

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.

The National Income of Thailand 2018 edition, following the International System of National Accounts (SNA), is compiled using the chained volume measures (CVMs) in measuring the real terms. In this 2018 edition, data are revised back to 2012 in accordance with the latest available primary data. This is to ensure the accuracy and the consistency of the entire system of national accounts. Details of revisions are indicated in the revision note on the following pages.

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



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Secretary-General
National Economic and Social Development Council
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Revisions to the National Income of Thailand 2018 Edition

In this publication, the main estimates have been revised back to 2012. 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 agricultural figures back to 2016 according to the Agricultural Statistics of Thailand from the Office of Agricultural Economics, Ministry of Agriculture and Co-operatives; revising fishery production figures according to the Fisheries Statistic of Thailand 2017 and estimated data 2018 from the Department of Fisheries.
- Mining and quarrying sector: revising mineral production figures back to 2016 according to mineral production of Thailand from the Department of Primary Industries and Mines, Department of Mineral Fuels.
- Manufacturing sector: revising industrial production figures back to 2016 according to the Manufacturing Product Index (MPI) from the Office of Industrial Economics, Ministry of Industry; revising import and export of merchandise data from the Customs Department; revising other manufacturing data from relevant sectors.
- Construction sector: revising the construction data of the government back to 2016.
- Accommodation and catering services; real estate, renting and business services sector; other community, social, personal services activities sector; professional activities, science, and academic activities sector; and other services activities sector: revising income for the Value Added Taxes assessment back to 2016.
- Human health and social work activities sector: revising the data back to 2016 according to the revised expenditure data of health services of general government and private health services.
- Private final consumption expenditure: revising the data back to 2012 according to non-resident expenditure in the country which was latest revised in the balance of payments from the Bank of Thailand and data from relevant sectors.
- General government consumption expenditure: revising the data of autonomous universities back to 2016 and data from relevant sectors.
- Gross fixed capital formation expenditure: revising the construction data of the general government back to 2016 according to the latest report; revising the data of private construction according to the relevant data.
- Export and import of merchandise and services: revising the data back to 2012 according to the balance of payments of the Bank of Thailand.
- 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. And letter “p” stands for “preliminary” annual figure, which is subject to revisions in the next series of publication.

Executive Summary

The Thai economy in 2018, measured by the Gross Domestic Product (GDP), increased by 4.2%, compared to a rise of 4.1% in 2017. The expansion was mainly supported by domestic demand, which was continually growing in final consumption expenditure and investment of both public and private sectors. Moreover, the expansion in domestic demand led to higher production, which supported by the acceleration in agricultural production and the consecutive increase in non - agricultural production. However, the external demand decelerated due to increased trade barriers and temporary factors in the tourism sector.

Production increased by 4.2%, slightly rising from 4.1% in the previous year. Non-agricultural production, accounting for 91.9% of total production, grew by 4.0%, rising at the same rate in 2017. Manufacturing sector expanded by 3.2%, accelerating from a rise of 2.8% in the previous year, due partly to higher production in food products; motor vehicles; and chemicals and chemical products. Moreover, service activities increased led by transportation and storages with a rise of 4.4%, together with accommodation and food services, and wholesale and retail trade with a rise of 7.6%, and 6.6%, respectively. Meanwhile, agriculture production expanded by 5.5%, accelerating from 2017, due mainly to main crop production supported by sufficient water resources and favorable weather conditions.

Domestic demand continuously increased from the last year. Supporting factors were from the expansion in both the public sector and private sector, including both final consumption expenditure and investment. Household expenditure grew by 4.6%, improving from the high rate of employment, the continued expansion of consumer loan credit and the government welfare's card program. Gross fixed capital formation expanded by 3.8%, accelerating from a rise of 1.8% in the previous year. In particular, private investment increased by 4.1%, accelerating from a rise of 2.9% in 2017. Moreover, public investment expanded by 2.9%, in contrast to a decline of 1.4% in the previous year, due to the operations of state enterprises on new and ongoing projects such as housing development project of the National Housing Authority and the Orange line project (Thailand cultural centre - Min Buri) of the Mass Rapid Transit Authority of Thailand. General government final consumption expenditure grew by 2.6%, accelerating from a rise of 0.1% in the last year, due to the expansion of compensation of employees and purchases from enterprises and abroad. For the external sector, exports of goods and services grew by 3.3%. Whereas, imports of goods and services expanded by 8.3%.

National income in 2018 posted a value of 15,573,706 million baht, which rose by 5.3%. Sources of income were from a return to labor with a value of 5,046,273 million baht or a 3.9% rise. Moreover, a return to capital, land, and operation valued at 6,119,728 million baht, increased by 5.8%. In per capita terms, national income per capita in 2018 was 225,356 baht, rising from 215,010 baht in 2017. Disposable income per capita was 126,869 baht and consumption expenditure per capita was 115,802 baht. As a result, per capita personal savings valued at 12,995 baht in 2018.

For overall economic stability, recently gross saving slightly decreased, whereas gross investment trended to be continually increased. Gross saving contracted by 0.1%, whereas investment expanded by 16.1%. As a result, the saving-investment gap (equivalent to current account) postulated a surplus with the value of 913,249 million baht, accounting for 5.6% of GDP. However, it was lower than a surplus of 1,490,598 million baht in 2017.

GDP implicit price deflator expanded by 1.5%, decelerating from a rise of 2.0% in the previous year. The agricultural price index decreased by 3.1%, in contrast to a rise of 0.4% in the last year. Non-agricultural price index grew by 1.9%, decelerating from 2.1% in the previous year. Meanwhile, the consumer price index (CPI) rose by 1.1%, whereas the producer price index (PPI) expanded by 0.4%, decelerating from a growth of 0.7% in the last year.

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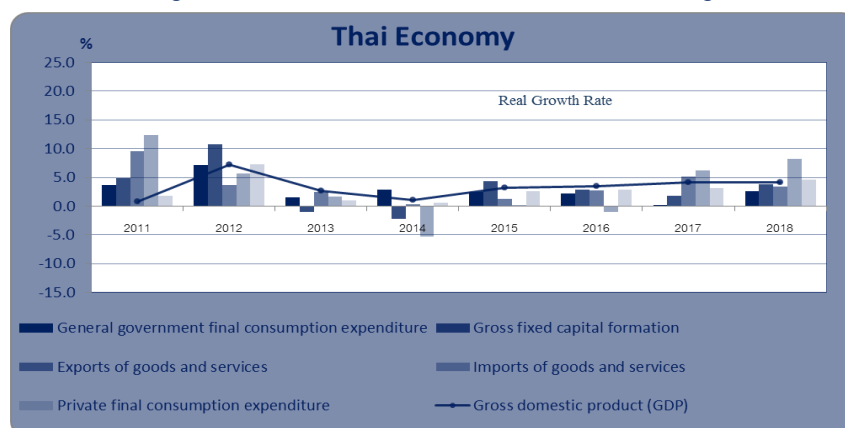
Thai Economy in 2018 National Accounts Perspectives

Overview

GDP in 2018 rose by 4.2%, compared to a rise of 4.1% in 2017, driven by domestic demand.

Gross Domestic Product of 2018 expanded by 4.2%, compared to a rise of 4.1% in 2017 as a result of a continuous expansion of domestic demand. Such an improvement in private final consumption increased as a result of the increased number of employees in both the agricultural and non-agricultural sectors. Another supporting factor is the government welfare's card program. Moreover, general government final consumption expenditure and investment, in both public sector and private investment favorable expanded. Higher demand led to rising in production, especially for the agricultural sector which grew at a favorable level especially in main crop production along with sufficient water resources and favorable weather conditions. Meanwhile, livestock production well expanded. Furthermore, non-agricultural production continuously increased in many sectors such as in manufacturing sector, particularly in food products; motor vehicles; chemical and chemical products; and computer and peripheral equipment in response to the external demand and service sector such as construction and tourist-related service covered accommodation and food service activities; and transportation.

Gross Domestic Product (GDP) in 2018 at current market prices valued at 16,365,574 million baht. After deducting 791,868 million baht of net factor income from the rest of the world, Gross National Income (GNI) registered at 15,573,706 million baht, with an expansion of 5.3%. While per capita NI was 225,356 baht higher than that of 215,010 baht in 2017 or a 4.8% growth.



Domestic Demand improved from the previous year, attributed to an expansion of private and government final consumption expenditure and private investment. Supporting factors were from 1) higher household income, especially farming income which was from rising in main crop, livestock, and fishing prices; 2) higher household purchasing power due to high employment in both agricultural and non-agricultural sectors; 3) household consumer credits well expanded, resulting in private final consumption expenditure which rose by 4.6%. Gross fixed capital formation expanded by 3.8% from a rise of 1.8% previously. Public investment grew by 2.9%, improved from a contraction of 1.4% in 2017 due to the operations of state enterprises on ongoing projects. While government final consumption expenditure increased by 2.6%, compared to a rise of 0.1% previously, attributed to the growth of 1.3% in compensation of employees, 9.3% in expenditure for goods and services, except a fall of 2.5% in social transfer in kind-purchased market production.

External Sector: exports of goods and services at current market prices valued at 10,616,163 million baht, with an expansion of 2.8%, compared to a rise of 5.5% in 2017. Such an expansion was chiefly contributed to a 2.5% rise in merchandise export and a 4.0% rise in service receipts. For the import side, imports of goods and services at current market prices grew by 9.2%. Particularly, merchandise imports rose by 8.5%, whereas service payments increased by 12.2%. Trade and services balance at current market prices valued a surplus of 1,446,473 million baht, attributed to 720,436 million baht for trade surplus, compared to a surplus of 1,104,945 million baht in 2017 and 726,037 million baht for service surplus, compared to a surplus of 824,049 million baht in 2017. However, net factor income recorded at a deficit of 791,868 million baht. Whereas net current transfers recorded a surplus of 258,644 million baht. Ultimately, a current account registered a surplus of 913,249 million baht in 2018, decreasing from a surplus of 1,490,598 million baht in 2017.

National Income (NI) or income from factors of production in 2018 recorded the value of 15,573,706 million baht, expanded by 5.3%. Expansion was found from both compensation of employees, accounting for 32.4% of NI, with a rise of 3.9%. Meanwhile, net property income and operating income, accounting for 39.3% of NI, grew by 5.8%.

Domestic Saving in 2018 registered the value of 5,035,290 million baht, decreasing by 0.1%, in contrast to a rise of 9.3% in 2017. Overall net savings valued at 2,415,574 million baht, with a rise of 4.1%, decelerated from a growth of 22.0% previously, as a result of the deceleration of net private saving.

Overall Economic Stability: recently, saving showed contraction, with a fall of 0.1%. Whereas overall investment increased markedly with a rise of 16.1%. As a result, the saving-investment gap (equivalent to current account surplus) registered a surplus of 913,251 million baht, accounting for 5.6% of gross domestic product, compared to a surplus of 1,490,598 million baht.

GDP Implicit Price Deflator increased by 1.5%, decelerating from a rise of 2.0% last year. The agricultural price index declined by 3.1%, compared to a growth of 0.4% previously. Meanwhile, the non-agricultural price index rose by 1.9%, decelerating from 2.1% in 2017. Consumer prices index (CPI) increased by 1.1%, while producer prices index (PPI) expanded by 0.4%, compared to a rise of 0.7% in the previous year.

Gross Domestic Product

GDP in 2018 expanded by 4.2% compared to a rise of 4.1% in the previous year.

Gross domestic product in 2018 expanded by 4.2%, compared to a rise of 4.1% in the previous year. This was propelled by agricultural sector with a growth of 5.5%, higher than 4.7% in the previous year together with 4.0% expansion of non-agricultural sector resulted from 2.7% growth of the industrial sector in response to the manufacturing sector and a 4.8% rise in the service sector.

Agricultural production grew by 5.5%, accelerating from the previous year. This was mainly attributable to greater yields of paddy, sugarcane, and maize owing to favorable weather conditions and sufficient water resources. Livestock production expanded due to the higher production of swine, chicken, and hen eggs. Moreover, fishing production grew favorably.

Non-agricultural production rose by 4.0%. The manufacturing sector grew by 3.2%, accelerating from the previous year due partly to higher production of motor vehicles; chemical and chemical products; and computer and peripheral equipment in response to the external demand. Moreover, the service sector and the tourist-related sector such as trade; and accommodation and food services with a rise of 6.6% and 7.6%, respectively, in line with 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		
	2016	2017	2018	2016	2017	2018
Agriculture	-1.2	4.7	5.5	8.5	8.4	8.1
Agriculture, forestry and fishing	-1.2	4.7	5.5	8.5	8.4	8.1
Non-agriculture	3.9	4.0	4.0	91.5	91.6	91.9
Mining and quarrying	0.8	-6.0	-3.0	2.7	2.5	2.5
Manufacturing	2.3	2.8	3.2	27.1	27.0	26.7
Electricity, gas, steam and air conditioning supply	2.9	1.8	2.2	2.6	2.6	2.6
Water supply; sewerage, waste management and remediation activities	7.5	5.9	5.7	0.4	0.4	0.5
Construction	8.0	-3.0	2.4	2.7	2.5	2.5
Wholesale and retail trade; repair of motor vehicles and motorcycles	6.2	6.4	6.6	15.0	15.4	15.9
Transportation and storage	5.3	7.8	4.4	5.9	5.9	5.8
Accommodation and food service activities	9.3	10.8	7.6	4.8	5.3	5.6
Information and communication	2.4	4.1	7.6	2.3	2.3	2.4
Financial and insurance activities	7.0	6.4	3.4	7.7	7.6	7.5
Real estate activities	7.0	6.5	5.7	2.4	2.4	2.5
Professional, scientific and technical activities	-2.2	6.1	3.3	1.7	1.8	1.7
Administrative and support service activities	1.5	2.5	3.4	1.7	1.6	1.6
Public administration and defence; compulsory social security	0.4	0.8	1.5	6.0	5.9	5.8
Education	-0.2	0.4	1.3	4.2	4.1	4.0
Human health and social work activities	3.0	2.8	5.1	2.1	2.1	2.1
Arts, entertainment and recreation	21.3	12.1	12.2	0.6	0.6	0.6
Other service activities	3.9	4.8	4.3	1.3	1.3	1.3
Activities of households as employers	-0.1	-2.0	-3.2	0.3	0.3	0.3
Gross domestic product, (GDP)	3.4	4.1	4.2	100.0	100.0	100.0

Agricultural sector

Agricultural sector grew by 5.5%, accelerating from 4.7%, driven by higher yields of main crops.

Overall agricultural production expanded by 5.5%, accelerating from 4.7% in 2017. This was propelled by the annual crops, perennial crops, livestock, and agricultural services with a growth of 6.7%, 5.3%, 2.5%, and 2.9%, respectively, together with a rise of 2.4% and 5.3% expansion of forestry and fishing production. Prices of agricultural products decreased by 3.1%, in contrast to an increase of 0.4% in the previous year.

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

	(%)		
Sector	2016	2017	2018
Agriculture, forestry and fishery growth	-1.2	4.7	5.5
Non-perennial crops	-3.0	5.4	6.7
Perennial crops	-2.9	8.0	5.3
Livestock	7.1	0.0	2.5
Agricultural services	1.9	6.8	2.9
Forestry	7.9	-7.8	2.4
Fishery	0.7	-2.4	5.3
Implicit price deflator growth	2.7	0.4	-3.1

Agriculture, forestry and fishery

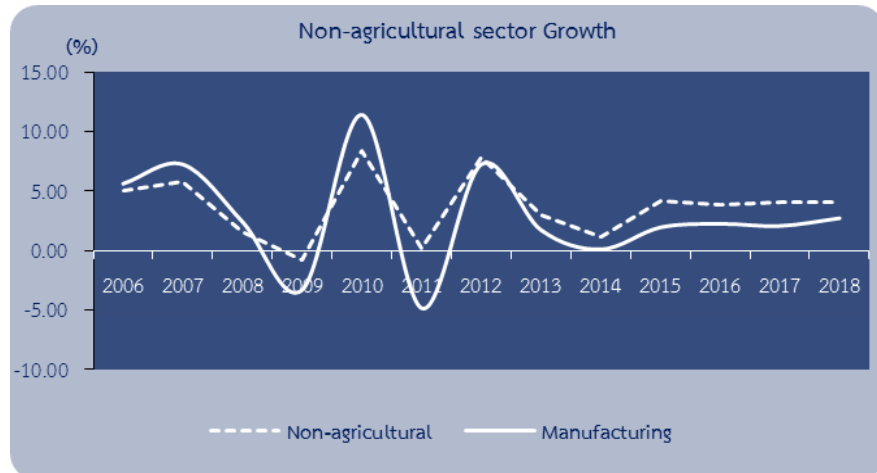
Total production expanded by 5.5%, continuously rising from the previous year. Major production activities were as follows:

- **Annual crops** expanded by 6.7%, due mainly to adequate water resources and favorable weather conditions. Yields of major crops including paddy, sugarcane, and maize increased by 1.9%, 33.8%, and 8.8%, respectively. Meanwhile, the production of tobacco and cereals decreased.
- **Perennial crops** grew by 5.3%. Products of major crops; namely pineapple, oil palm, and other fruits increased by 1.4%, 12.8%, and 6.1%, respectively.
- **Livestock** rose by 2.5%, owing to higher production of swine, chicken, hen's egg, and raw milk in response to expanding demand.
- **Agricultural services** rose by 2.9% as a result of an increase in planting and harvest services according to expanding in planting areas.
- **Forestry** rose by 2.4%, driven by logging and forest products in spite of a slight decrease in firewood and charcoal products.
- **Fishing** grew by 5.3%, propelled by an expansion in marine and freshwater fishing in response to higher domestic demand.

Implicit price of agricultural products declined by 3.1% in contrast to an increase of 0.4% in the previous year, resulted from a drop in prices of major crops including rubber, oil palm, pineapple, sugarcane, swine, and chicken. Meanwhile, the prices of paddy and hen's egg increased.

Non-agricultural sector

Non-agricultural sector expanded by 4.0%.



Mining and quarrying

Mining and quarrying decreased by 3.0%, compared with a drop of 6.0% in the previous year. This was attributable to a 3.0% contraction of crude oil and natural gas production, continually decreasing from a fall of 5.4% in the previous year. Crude oil production decreased by 8.4%, compared to a fall of 13.2% in the previous year, originated from main fields; namely the Erawan group, Tantawan Benchamas group, Jasmine-Banyen and Songkhla. Natural gas and condensate production also dropped by 1.1%, compared to a fall of 2.9% in the previous year, due to lower production from main fields including Erawan group, Bongkot, South Bongkot, and Tantawan Benchamas group. Moreover, the mining of chemical and fertilizer minerals declined by 28.3%, compared to a fall of 33.6% in the previous year.

Manufacturing

Manufacturing expanded by 3.2%, driven by export-oriented manufacturing products; namely chemical and chemical products; rubber and plastic products; motor vehicles; and other transport equipment due to an increase in domestic and external demand.

Manufacturing with an expansion

- **Food products** expanded by 6.8%, accelerating from a rise of 0.6% in the previous year, propelled by an increase in starch, sugar, milk, processed and preserved fruit and vegetables, and vegetable oil production.
- **Wearing apparel** grew by 3.3%, recovering from a contraction of 0.6% in the previous year.
- **Leather and related products** rose by 1.8%, supported by tanning and dressing of leather, and luggage products.
- **Paper and paper products** grew by 3.4%, continually rising from the previous year, owing to an expansion in all types of products.
- **Printing** rose by 3.6%.
- **Petroleum refinery** grew by 4.2% in response to higher domestic demand.

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

(%)

	Growth rate (real term)			Structure at current prices		
	2016	2017	2018	2016	2017	2018
Food products	1.5	0.6	6.8	15.1	14.6	14.1
Beverages	-0.6	-0.3	-3.9	7.2	6.5	6.3
Tobacco products	-9.1	-16.9	-16.7	1.3	1.0	0.8
Textiles	-3.7	-3.5	-3.5	2.8	2.5	2.4
Wearing apparel	-6.2	-2.7	3.3	2.2	2.3	2.3
Leather and related products	4.1	4.4	1.8	1.1	1.1	1.1
Wood and products of wood and cork	8.0	7.2	-3.8	1.2	1.1	1.1
Paper and paper products	1.6	1.1	3.4	1.3	1.3	1.3
Printing and reproduction of recorded media	-3.9	1.6	3.6	0.3	0.3	0.3
Coke and refined petroleum products	0.9	4.9	4.2	10.0	10.5	11.3
Chemicals and chemical products	3.2	4.6	4.3	8.1	8.5	9.0
Basic pharmaceutical products and pharmaceutical preparations	8.3	6.7	11.6	1.0	1.0	1.1
Rubber and plastics products	2.6	8.6	-4.3	7.1	7.8	7.1
Non-metallic mineral products	-0.2	-0.6	2.7	3.8	3.4	3.4
Basic metals	6.0	4.4	1.3	1.6	1.6	1.6
Fabricated metal products, except machinery and equipment	8.0	7.2	6.7	3.0	3.1	3.1
Computer, electronic and optical prod- ucts	1.7	10.2	5.8	8.4	9.1	9.1
Electrical equipment	6.1	-3.9	2.2	5.0	4.6	4.5
Machinery and equipment not else- where classified	1.0	8.8	5.1	4.1	4.2	4.2
Motor vehicles, trailers and semi-trailers	7.3	2.1	9.0	8.2	8.3	8.7
Other transport equipment	11.6	-1.7	2.0	2.4	2.6	2.5
Furniture	-1.4	7.3	0.0	0.8	0.8	0.8
Other manufacturing	0.5	-0.6	3.0	3.9	3.8	3.7
Repair and installation of machinery and equipment	12.2	-1.7	17.8	0.1	0.0	0.1
Total value added	2.3	2.8	3.2	100.0	100.0	100.0

- **Chemical and chemical products** grew by 4.3% owing to an expansion of the petrochemical industry in response to downstream industries demand.
- **Basic pharmaceutical products and pharmaceutical preparations** expanded by 11.6% in response to higher domestic demand.
- **Non-metallic mineral products** rose by 2.7% due partly to a continual expansion of concrete for construction.
- **Basic metals** rose by 1.3%, decelerating from the previous year.
- **Fabricated metal products** expanded by 6.7%, propelled by metal products for construction and metal apparatus.
- **Computer, electronic, and optical products** expanded by 5.8%, slowing down from the previous year, resulted from lower external demand.
- **Electrical equipment** rose by 2.2%. Despite a contraction of electric motors and domestic appliances production, the electric lighting equipment expanded.
- **Machinery and equipment** expanded by 5.1%, contributed by domestic appliances production including air-conditioner, electrical fan, and bulb.
- **Motor vehicles** expanded by 9.0%, owing to an expansion in demand for passenger and commercial cars.
- **Other transport equipment** rose by 2.0%, supported by higher demand for motorcycles.
- **Furniture** decelerated in response to domestic demand.
- **Other manufacturing** rose by 3.0%, due to an increase in external demand for gems and jewelry.

Manufacturing with a contraction

- **Beverages** declined by 3.9%, due to lower production of beer and liquor.
- **Tobacco** contracted by 16.7% as a result of raising the excise tax.
- **Textiles** fell by 3.5%, resulting from downstream industries importing lower-priced raw materials instead of using domestic ones.
- **Wood and products of wood** declined by 3.8%, in response to lower demand for wooden construction material and wood products.
- **Rubber and plastic products** dropped by 4.3%, due to lower exports of block and sheet rubber together with a contraction of plastic articles for the packaging of goods.

Electricity, gas and air conditioning supply

Electricity, gas, and air conditioning supply rose by 2.2%, continuously growing from a rise of 1.8% from the previous year. This was attributable to an increase in electric power generation with a growth of 2.7% in response to productions of the Electricity Generating Authority of Thailand (EGAT), the Metropolitan Electricity Authority (MEA) and private power generation companies in spite of a decrease in that of the Provincial Electricity Authority (PEA). Similarly, electricity consumption by users indicated an expansion in all types of users. Gas separation contracted by 1.7%, in contrast to a rise of 8.0% in the previous year.

Electricity and gas supply growth (real term)

(%)			
Items	2016	2017	2018
Electricity	2.2	1.2	2.7
Gas separate plant	13.6	8.0	-1.7
Total	2.9	1.8	2.2

Electricity consumption growth and consumption structure

(%)			
Items	2016	2017	2018
Consumption growth	4.6	1.3	1.4
Residential	6.4	1.0	1.9
Small enterprises	4.8	1.2	1.7
Medium enterprises	2.5	0.7	2.3
Large enterprises	4.7	2.1	0.6
Special enterprises	5.4	0.2	2.3
Others	-2.1	-3.2	2.4
Consumption structure	100.0	100.0	100.0
Residential	24.7	24.6	24.7
Small enterprises	11.7	11.6	11.7
Medium enterprises	16.7	16.7	16.7
Large enterprises	41.3	41.7	41.4
Special enterprises	3.6	3.5	3.5
Others	2.0	1.9	2.0

Water supply; sewerage, waste management and remediation activities

Water supply; sewerage, waste management and remediation activities expanded by 5.7%, slightly lower than 5.9% in the previous year. Water supply, waste collection, and materials recovery grew by 2.9%, 11.3%, and 18.1%, compared to a growth of 3.9%, 6.3%, and 20.2%, in the previous year, respectively.

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

Items	2016	2017	2018
Water supply	5.2	3.9	2.9
Waste collection and Materials recovery	16.1	12.4	14.6
Total	7.5	5.9	5.7

Construction

Construction expanded by 2.4%, accelerating from a fall of 3.0% in 2017, as a result of the expansions in both public construction and private construction. The improvement of private construction supported by an increase of dwelling and other constructions which was attributable by the construction of 3 train lines including MRT Pink line (Khae Rai - Min Buri), Yellow line (Lad Prao - Sam Rong) and Gold line (Thon Buri - Khlong San). Meanwhile, public construction was improved by the operations of state enterprise due to new and ongoing projects such as housing development project of the National Housing Authority, the construction of the electricity distribution assets of the Metropolitan Electricity Authority (MEA), the electricity power plant project of the Electricity Generating Authority of Thailand, the double-track railway of the State Railway of Thailand and the Orange line project (Thailand cultural centre - Min Buri) of the Mass Rapid Transit Authority of Thailand.

Wholesale and retail trade; repair of motor vehicles and motorcycles

Wholesale and retail trade; repair of motor vehicles and motorcycles continuously grew by 6.6%, due partly to a rise in sales of motor vehicles and motorcycles in response to higher domestic demand together with significant growth of repair of motor vehicles and motorcycles activities. Wholesale and retail trade also expanded, propelled by the spending of domestic and foreign tourists and a continual expansion of goods imports.

Transportation and storage

Transport and storage expanded by 4.4%, decelerating from a rise of 7.8% in the previous year. This was attributable to a 3.5% expansion of land transports, slowing down from 7.2% in the previous year together with an air transports with a growth of 0.4%, lower than a rise of 18.7% in the previous year as a result of a deceleration of passenger transport in line with the number of passengers. Water transports rose by 4.3%, higher than a rise of 1.0% in the previous year. Moreover, post and courier activities expanded by 12.7%, accelerating from a rise of 9.1% in the previous year according to entrepreneurs' turnover.

Accommodation and food service activities

Accommodation and food service activities rose by 7.6%, compared to a rise of 10.8% in the previous year, due mainly to a deceleration in both accommodation and food service activities. Accommodation rose by 7.3%, slowing down from 9.7% in the previous year, resulting from the deceleration in the number of foreign tourists which grew by 7.3%, lower than 9.4% in the previous year. The number of East Asia tourists increased by 8.9% which were mostly from Chinese tourists. Similarly, the number of tourists from Europe, America, the Middle East, and Africa grew favorably. Food and beverages services expanded by 7.9%, decelerating from a rise of 11.6% in 2017.

Information and communication

Information and communication expanded by 7.6%, accelerating from a rise of 4.1% in the previous year. This was propelled by telecommunication activities, and motion picture, video and television program production and sound recording activities with the growth of 11.6%, and 2.1%, higher than 4.2% and 0.5%, respectively in the previous year. Despite a 0.5% contraction of programming and broadcasting activities, computer programming and consultancy activities rose by 4.1%.

Financial and insurance activities

Financial and insurance activities expanded by 3.4%, decelerating from 6.4% in the previous year. This resulted from a slowdown in operating income of commercial banks, other depository institutions, and securities companies. Such a slowdown in commercial banks and other depositories was from a decrease of credits, deposits, and fees resulted from canceling online-banking fee collection since the beginning of the year. The net interest margin on deposits slightly increased. However, life-insurance expanded, whereas non-life insurances decreased from the previous year.

Real estate activities

Real estate activities grew by 5.7%, compared with a rise of 6.5% in the previous year. This was attributable to an increase in real estate activities with own or leased a property with a growth of 5.6%, slowing down from a rise of 7.0% in the previous year. Moreover, real estate activities on a fee or contract basis also rose by 7.1%, higher than 2.8% in the previous year.

Professional, scientific and technical activities

Professional, scientific and technical activities rose by 3.3%, slowing down from a rise of 6.1% in the previous year. Such a deceleration was from slowdowns in other management consultancy activities, scientific research and development activities, architecture and engineering activities; technical testing and analysis, legal and accounting activities, advertising and market research activities, and veterinary activities.

Administrative and support services activities

Administrative and support services activities grew by 3.4%, accelerating from a rise of 2.5% in the previous year. This was driven by an expansion of the renting of machinery and office equipment, especially for construction and civil engineering, as well as the acceleration in renting of air transport equipment. Renting of personal motor vehicle activities, activities of other employment placement agencies, activities of security system service, and activities of the investigation expanded, in spite of a slowdown in travel agency and tour operator in line with the number of foreign tourists.

Education

Education rose by 1.3%, accelerating from a rise of 0.4% in the previous year. Public education rose by 1.1%. Similarly, private education grew by 3.0% due to the greater number of students in formal vocational education, private universities, and special education.

Human health and social work activities

Human health and social work activities grew by 5.1%, accelerating from a rise of 2.8% in the previous year. Public health services grew by 4.1%, higher than 3.3% in the previous year. Private health services expanded by 6.8%, compared with 2.1% due to a favorable expansion of private hospital services.

Art, entertainment and recreation

Art, entertainment, and recreation expanded by 12.2%, slightly rising from 12.1% in the previous year. This expansion was attributable to government lottery activities with a growth of 15.7%, slowing down from 18.0% in the previous year, together with the expansion in sports activities; creative, arts and entertainment, and other amusement and recreation activities.

Other service activities

Other service activities grew by 4.3%, decelerating from a rise of 4.8% in the previous year. Repair of computers and personal and household goods rose by 3.6%, slowing down from 6.5% in the previous year. Moreover, activities of membership organizations expanded by 3.8% lower than 3.2% in the previous year, along with a continual expansion of personal service activities.

Expenditure on Gross Domestic Product

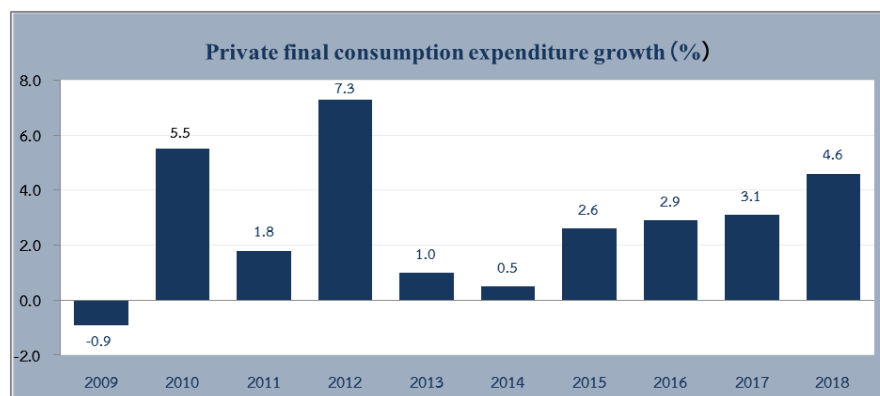
Private final consumption expenditure in 2018 expanded by 4.6%

Composition of private final consumption expenditure

Private final consumption expenditure in 2018 expanded by 4.6%, accelerating from a growth of 3.1% in 2017

Private final consumption expenditure continually increased, compared to the previous year. The main contributing factors were seen from the consumer confident index which improved to a rise of 80.9%. Furthermore, personal credit loans from commercial banks continued to expand. Additionally, both in the agricultural and non-agricultural sectors, the number of employed persons increased which is consistent with the low level of the unemployment rate, compared to the previous year. Moreover, the government's welfare card program which assisted low-income people led to an increase in purchasing power.

Spending on durable goods and non-durable goods expanded by 10.0% and 1.7%, decelerating from a growth of 13.5% and 2.3% in 2017, respectively. Particularly, spending on durable goods decelerated as a result of a slowdown in spending on personal vehicles. However, spending on semi-durable goods and net services rose by 4.1% and 6.8%, accelerating from a rise of 2.8% and 1.6% in 2017, respectively.



Private final consumption expenditure in the domestic market excluding residents abroad expanded by 3.8%, decelerating from an increase of 5.2% in 2017. Household final consumption expenditure expanded by 3.9%, whereas, final consumption expenditure of non-profit institutions serving households grew by 1.1%.

Private final consumption expenditure in the domestic market - excluding expenditure of non-residents in the country and expenditure of residents abroad expanded by 4.4%, accelerated from a rise of 2.8% in 2017. Meanwhile, including expenditure of residents abroad which expanded by 8.7%, thus private final consumption expenditure increased by 4.6%.

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

(%)

Item	Growth rate (real term)			Structure at current prices		
	2016	2017	2018	2016	2017	2018
PCE in domestic market	3.8	5.2	3.8	115.9	118.2	117.3
less: expenditure of non – residents in the country	12.2	16.9	1.5	19.9	22.5	21.7
PCE excluding expenditure of non-residents	2.3	2.8	4.4	96.0	95.8	95.6
plus: expenditure of residents abroad	20.6	10.1	8.7	4.0	4.2	4.4
PCE	2.9	3.1	4.6	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 2.1%, compared to a rise of 2.3% in 2017. Food items expanded by 2.0% decelerated from a rise of 2.6% in the previous year. The supporting factors were from the decreasing consumption in bread and cereals; meat; seafood; milk, cheese and eggs; vegetables; and sugar and dessert. Spending on non-alcoholic beverage expanded sharply by 3.2%, compared to a rise of 0.7% in 2017, especially for mineral water, drinking water, cocoa, and energy water as a result of an increase in sale volumes.

Alcoholic beverages and tobacco continually declined by 1.9%, compared to a decrease of 0.6% in 2017. Alcoholic beverages consumption reduced by 2.6%, compared to a decline of 0.6% in 2017. The main supporting factor was a decrease in the volume of sales in liquor, beer, and wine. Furthermore, tobacco consumption decreased by 0.9%, compared to a decrease of 0.5% in the previous year, following lower sale volumes of cigarette of Tobacco Authority of Thailand.

Clothing and footwear increased by 1.2%, decelerating from a rise of 2.2% in the previous year. This was a result of a decreasing consumption in clothing which grew by 1.1%, decelerating from a rise of 2.2% in 2017. Meanwhile, spending on footwear expanded by 2.0% compared to a rise of 1.9% in the previous year.

Housing, water, electricity, gas and other fuels expanded by 3.2%, decelerating from a rise of 4.2% in 2017. This was a result of the decline in a rental for housing which expanded by 6.1% which decelerated from a rise of 7.8% in 2017. Moreover, household water supply consumption; electricity consumption and expenses on gases and other fuels expanded by 1.9%, and 1.5%, compared to a rise of 1.8% and 1.4% in 2017, respectively.

Furnishing, household equipment and routine maintenance of the house increased by 5.1% accelerated from a rise of 3.1% in 2017. This was a result of a dramatic increase in household equipment and routine maintenance which grew by 7.4% from a rise of 4.0% in 2017. Moreover, spending on glassware, tableware and household utensils, and spending on tools and equipment for house and garden expanded by 7.1%, and 9.1%, respectively.

Health increased by 5.3%, accelerating from a rise of 3.1% in 2017. These were from a sharp increase in therapeutic appliances and equipment which expanded by 10.5%, in contrast to a decline of 3.4% in 2017. Moreover, spending on medical services grew by 7.4%, accelerating from a growth of 0.3% in the previous year. Whereas, expenses on other medical products expanded by 1.5%, slowing down from a rise of 4.7% in 2017.

Transport grew by 5.9%, slowing down from a growth of 8.3% in 2017. This was mainly due to the slowdown in vehicle purchases which rose by 13.2%, compared to a rise of 19.8% in 2017, following the decrease in passenger cars sales and the deceleration in expenses on personal transport equipment which grew by 1.8%, compared to a rise of 2.6% in 2017. Additionally, transport services grew by 3.7%.

Communication expanded by 4.9%, decelerating from a rise of 6.1% in 2017. This was a result of an expansion on postal services by 4.2%, compared to a rise of 10.0% in the previous year, followed by the turnover and a decrease in spending on postal services. Moreover, spending on telephone services expanded by 5.0%, decelerated from a rise of 6.1% in 2017. This led to a downward trend of communication consumption.

Recreation and culture grew by 5.4%, decelerating from a rise of 6.7% in the previous year as a result of the dramatic decrease of photographic equipment and optical instruments which declined by 9.3%, compared to the previous year. Furthermore, newspaper and periodicals continually decreased by 1.2%, compared to a decline of 0.9% in 2017.

Education increased by 5.1%, continually accelerating from a growth of 2.8% in the previous year. This was consistent with the rise in the number of students, especially in high schools, tertiary education and other educations.

Restaurants and hotels expanded to 4.1% decelerated from an increase of 10.6% in the previous year. This was from the result of the slowdown in spending on restaurants and hotels which expanded by 5.6% and 1.9% from a rise of 10.6% and 10.5% in the previous year, respectively. The main factor was partly from a slowdown in the number of foreign tourists.

Miscellaneous goods and services continually grew by 5.7%, from a rise of 5.6% in the previous year. This was the spending on personal effects which increased by 10.6%, compared to a rise of 8.7% in 2017. Moreover, there was a sharp increase in spending on insurance which grew by 8.2%, compared to a rise of 3.5% in the previous year. Meanwhile, other services expanded by 4.6%, compared to a growth of 8.9% in the previous year. Additionally, spending on financial services expanded by 2.0%.

Non-profit institutions serving households consumption expenditure grew by 1.1%, decelerating from an increase of 1.8% in 2017. Education, health, and social protection rose by 1.3%, compared to a rise of 5.9% in 2017. Moreover, other services increased by 0.9%, improved from a decline of 2.8% in the previous year.

Private consumption expenditure classified by durability 4 categories

PCE by durability of 4 factors

Durable goods grew by 10.0%, decelerating from a rise of 13.5% in the previous year, due mainly to vehicle purchases which expanded by 13.2%, compared to a growth of 19.8% in the previous year. Spending on other durable goods; recreation and culture; television and video grew by 4.1%, compared to a rise of 18.4% in the previous year. Spending on jewelry grew by 10.2%, decelerating from a rise of 10.8% in the previous year. On the contrary, photographic and other cinematographic equipment decreased by 9.3%, in contrast to a rise of 28.2% in 2017.

Semi-durable goods continually grew by 4.1%, accelerated from a rise of 2.8% in 2017. Major increased items included spending on household textiles with a rise of 5.9%, improving from a fall of 4.3% in 2017. While spending on household utensils; small tools and others miscellaneous accessories; and semi-durable goods of sports equipment, camping and open-air recreation increased by 7.1%, 9.1%, and 9.7%, accelerating from a rise of 5.7%, 5.8%, and 5.7% in 2017, respectively.

Non-durable goods expanded by 1.7%, which slightly decelerated from an increase of 2.3% in the previous year. Expenses on the consumption of food items expanded by 2.0%, compared to a rise of 2.6% in 2017. Furthermore, spending on alcoholic beverages and tobacco decreased by 1.9%, compared to a decline of 0.6% in the previous year. Additionally, expenses on the consumption of fuels and lubricants for personal transport equipment expanded by 1.4%, compared to a rise of 2.2% in 2017.

Services expanded by 6.8%, accelerating from a rise of 1.6% in the previous year. The main factors consisted of spending on medical services and recreational services and sport which expanded by 7.4%, and 8.4%, sharply rose from 0.3%, and 5.6% in 2017, respectively. Furthermore, life insurance, non-life insurance, and financial intermediation services expanded by 8.4%, 2.2%, and 2.0%, which increased from 3.5%, 2.0% and 1.6% in 2017, respectively.

Nevertheless, excluding the expenditure of non-residents in the country which rose by 1.5%, decelerated from a rise of 16.9% in 2017, due mainly to a decline in the number of foreign tourists while expenditure of residents abroad expanded by 8.7%. As a result, domestic net services consumption for Thai residents in 2018 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 (%)		
	2016	2017	2018	2016	2017	2018
By purpose (COICOP)						
Food and non-alcoholic beverages	2.2	2.3	2.1	27.9	27.2	26.1
Alcoholic beverages, tobacco and narcotics	-3.3	-0.6	-1.9	3.9	3.8	3.6
Clothing and footwear	2.4	2.2	1.2	5.0	4.9	4.8
Housing, water, electricity, gas and other fuels	4.3	4.2	3.2	10.1	10.1	10.0
Furnishings, household equipment and routine maintenance of the house	0.4	3.1	5.1	4.6	4.5	4.5
Health	4.7	3.1	5.3	5.2	5.2	5.2
Transport	4.4	8.3	5.9	14.7	15.8	16.2
Communications	2.2	6.1	4.9	2.3	2.3	2.3
Recreation and culture	16.3	6.7	5.4	6.2	6.4	6.4
Education	1.5	2.8	5.1	1.4	1.5	1.5
Restaurants and hotels	5.3	10.6	4.1	18.6	20.3	20.4
Miscellaneous goods and services	3.5	5.6	5.7	14.0	14.3	14.4
Individual consumption expenditure of Non-profit institutions serving households (NPISHs)	1.6	1.8	1.1	2.0	2.0	1.9
plus: Expenditure of residents abroad	20.6	10.1	8.7	4.0	4.2	4.4
less: Expenditure of non-residents in the country	12.2	16.9	1.5	19.9	22.5	21.7
Private consumption expenditure	2.9	3.1	4.6	100.0	100.0	100.0
By durable appearance						
Durable goods	1.0	13.5	10.0	8.7	9.5	9.9
Semi-durable goods	1.4	2.8	4.1	9.2	9.1	8.9
Non-durable goods	2.8	2.3	1.7	45.5	45.0	43.8
Services	3.8	1.6	6.8	36.6	36.4	37.4

Composition of general government final consumption expenditure

General government final consumption expenditure in real terms increased by 2.6%

General government final consumption expenditure at current market prices registered at the value of 2,643,382 million baht with an increase of 4.8%. Government compensation of employees valued at 1,463,298 million baht, an increase of 4.3% partially due to the rise in wages and salaries along with remuneration by 2.2% and 22.1%, respectively. Moreover, purchases from enterprises and abroad with a value of 794,751 million baht rose by 10.9% partially due to an expansion in costs of government supply purchase with a growth of 21.5%. Consumption of fixed capital registered at the value of 300,391 million baht with a 4.9% increase. Social transfers in kind – purchased market production had a value of 262,817 million baht with a decrease of 1.7%.

By function of the government, total general government final consumption at current market prices with the value of 2,643,382 million baht composed of education service with a 28.9% share of general government final consumption expenditure. The rest of government service by function comprised 17.3% share for health service, 14.2% share for general public service, 12.6% share for economic affair, 11.0% share for defence, 9.0% share for public order and safety, 7.1% share for remaining of instance housing and community amenities, recreation, culture and religion, environmental, and social protection.

General government final consumption expenditure in real terms grew by 2.6%, owing to a 1.3% increase for compensation of employees, 9.3% for purchases from enterprises and abroad, 3.4% for consumption of fixed capital. Meanwhile, social transfers in kind – purchased market production decreased by 2.5%. Lastly, purchases by households and enterprises increased by 15.7%.

Gross capital formation

Gross capital formation in 2018 at current market prices recorded the value of 4,122,041 million baht, consisting of 3,726,893 million baht in gross fixed capital formation and 395,148 million baht in change in inventories.

Gross fixed capital formation in real terms grew by 3.8%, raising from a rise of 1.8% in 2017, attributed by the escalations in both private and public sectors. The private sector expanded by 4.1%, accelerating from an increase of 2.9% in 2017 and the public sector improved by 2.9%, recovering from a decline of 1.4% in the previous year.

Investment (by type of institutions)

	Value at current market prices (Millions of Baht)			Growth rate (real term)(%)		
	2016	2017	2018	2016	2017	2018
Construction	1,223,405	1,211,850	1,268,577	8.0	-2.1	3.3
Private	524,010	526,729	561,595	1.1	-0.9	4.9
Public	699,395	685,121	706,982	13.8	-3.1	1.9
Equipment	2,236,496	2,367,995	2,458,316	0.2	3.9	4.1
Private	2,005,331	2,128,134	2,207,375	0.4	3.9	3.9
Public	231,165	239,861	250,941	-1.7	3.6	5.7
Investment	3,459,901	3,579,845	3,726,893	2.9	1.8	3.8
Private	2,529,341	2,654,863	2,768,970	0.6	2.9	4.1
Public	930,560	924,982	957,923	9.6	-1.4	2.9

Private Investment

Private investment in 2018 at current market prices registered at 2,768,970 million baht, consisting of 561,595 million baht for private construction and 2,207,375 million baht for private machinery and equipment. In real terms, the private investment expanded by 4.1%, improving from an increase of 2.9% in 2017.

Private Investment

	Value at current market prices (Millions of Baht)			Growth rate (real term)(%)		
	2016	2017	2018	2016	2017	2018
Construction	524,010	526,729	561,595	1.1	-0.9	4.9
Residential	293,168	297,375	313,067	2.3	0.1	3.6
Non-residential	147,773	150,369	154,736	-4.1	0.3	1.4
Others	65,225	61,007	74,370	8.0	-8.0	19.7
Cost of ownership transfer	17,844	17,978	19,422	5.4	-0.8	6.5
Machinery and equipment	2,005,331	2,128,134	2,207,375	0.4	3.9	3.9
Private Investment	2,529,341	2,654,863	2,768,970	0.6	2.9	4.1

Private construction at current market prices recorded the value of 561,595 million baht, consisting of residential, non-residential and other constructions with a value of 313,067 million baht, 154,736 million baht, and 74,370 million baht, respectively. In real terms, the private construction increased by 4.9%, accelerating from a drop of 0.9% in the previous year, resulted from a 3.6% rise in residential buildings from an increase of 0.1%, a 19.7% rise in other construction from a drop of 8.0% previously, and a 6.5% rise in cost of ownership transfer from a fall of 0.8% in 2017.

Private investment on equipment and machinery at current market prices posted the value of 2,207,375 million baht which increased by 3.9%, the same rate as 2017. The improvement was mainly driven by industrial equipment and machinery which rose by 5.5%, accelerating from a decrease of 4.9% in the previous year, according to an increase in imported value. However, motors vehicles and transport equipment were decelerating in particular for trucks and buses. Besides, office equipment items contracted by 1.5%, in contrast to a rise of 0.3% in 2017.

Public Investment

Public investment at current market prices registered the value of 957,923 million baht, comprising public construction and public machinery and equipment with a value of 706,982 million baht and 250,941 million baht, consecutively. Public investment in real terms grew by 2.9%, in comparison to a shrink of 1.4% in 2017.

Public Investment

	Value at current market prices			Growth rate		
	(Millions of Baht)			(real term)(%)		
	2016	2017	2018	2016	2017	2017
Construction	699,395	685,121	706,982	13.8	-3.1	1.9
Residential	16,185	15,368	15,156	-12.1	-5.2	-2.9
Non-residential	128,549	133,588	135,231	-10.9	3.5	0.3
Others	554,661	536,165	556,595	22.9	-4.5	2.5
Machinery and equipment	231,165	239,861	250,941	-1.7	3.6	5.7
Public investment	930,560	924,982	957,923	9.6	-1.4	2.9

Public construction at current market prices registered the value of 706,982 million baht, consisting of residential, non-residential, and other constructions with a value of 15,156 million baht, 135,231 million baht, and 556,595 million baht, respectively. The real value of public construction expanded by 1.9%, improving from a drop of 3.1% in 2017 due to maintaining on ongoing projects by state enterprises including housing development project of the National Housing Authority, the construction of electricity distribution assets of the Metropolitan Electricity Authority (MEA), and new construction project, namely the Orange line project (Thailand cultural centre - Min Buri) of the Mass Rapid Transit Authority of Thailand. However, the government construction contracted by 1.6%, recovering from a decrease of 8.7% in 2017 due to a decrease in the disbursement of government investment in water management projects and an urgent phase of land transport project.

Public machinery and equipment at current market prices valued at 250,941 million baht. The real value of public machinery and equipment grew by 5.7%, continuously increasing from a growth of 3.6% in 2017 as a consequence of importing 2 aircrafts by Thai Airways International Public Company and an increase in disbursement of annual budget for government machinery.

Investment (by type of assets)

	Value at current market prices (Millions of Baht)			Growth rate (real term)(%)		
	2016	2017	2018	2016	2017	2018
Tangible fixed assets	3,335,363	3,443,581	3,582,720	2.4	1.6	3.8
Residential	309,353	312,743	328,223	1.4	-0.2	3.3
Non-residential	821,420	810,761	843,620	3.6	-1.9	3.2
Machinery and equipment	2,198,316	2,312,637	2,400,715	2.0	3.2	4.1
Cultivated assets	6,274	7,440	10,162	31.2	20.3	23.9
Intangible fixed assets	106,694	118,287	124,751	22.4	5.9	1.9
Mineral exploration	63,234	68,805	75,725	80.8	1.2	3.4
Software	43,460	49,482	49,026	-17.8	12.8	-0.3
Costs of ownership transfer	17,844	17,977	19,422	5.4	-0.8	6.5
Investment	3,459,901	3,579,845	3,726,893	2.9	1.8	3.8

Investment classified by type of assets

Tangible fixed assets at current market prices recorded the value of 3,582,720 million baht, comprising 328,223 million baht in residential construction, 843,620 million baht in non-residential construction, 2,400,715 million baht in machinery and equipment, and 10,162 million baht in cultivated assets. The real value of tangible fixed assets expanded by 3.8%, compared to a rise of 1.6% in 2017, attributed to the increase in residential and non-residential construction by 3.3% and 3.2%, improving from a fall of 0.2%, and 1.9% in 2017, respectively. Likewise, machinery and equipment, and cultivated assets grew by 4.1%, and 23.9%, compared to a rise of 3.2%, and 20.3% in 2017.

Intangible fixed assets at current market prices posted the value of 124,751 million baht, consisting of 75,725 million baht in mineral exploration, and 49,026 million baht in computer software. The real value of intangible assets increased by 1.9%, decelerating from a growth of 5.9% in 2017, attributed to a 0.3% decrease in computer software, in contrast to a rise of 12.8% in the previous year.

Costs of ownership transfer at current market prices valued at 19,422 million baht. The real value grew by 6.5%, rebounding from a fall of 0.8% in 2017.

Change in inventories

Change in inventories at current prices increased with the value of 395,148 million baht in 2018. Accumulated stock was found from agricultural products, manufacturing products, rice, crude oil, and gold. Rising in stock of agricultural products was seen from paddy, rubber, and cassava. Moreover, the accumulated stock of industrial products covered electronic components and boards; computers and peripheral equipment; and plastics and synthetics rubber in primary forms. In particular, the stock level of electronic components and boards has been piled up due to increasing production to support the higher demand for electronic products as major components in the high-technology electronics products manufacturing industries in the world market. Declining in manufacturing products included electronic and electric wires and cables; other general-purpose machinery; and jewelry and related articles. Stocks of gold has increased significantly, as a result of falling of gold prices in the world market which resulted in higher import.

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 at current market prices in 2018 recorded value of 10,616,163 million baht, increased by 2.8% slowdown from 5.5% lifted in 2017. This was mainly derived from slowdown in both merchandised exports and services receipts.

Merchandise exports at current market prices registered value at 8,114,859 million baht, increased by 2.5%, due to an expansion of manufacturing products, while agricultural and fishery products decreased. Diminishing in agricultural products principally originated from lower rubber export because of an effort to address low rubber's prices of the International Tripartite Rubber Organization (Thailand, Malaysia and Indonesia) by cut in global supply. While, rice exports mostly improved by rice auction winner in the Philippines market and higher demand from Indonesia. Manufacturing exports grew up from major products, namely computer parts and telecommunication equipment, air conditioning unit, pick up truck, vehicle parts and petroleum product. While, exports of integrated circuits and parts of electrical appliances dropped. Exports by destination presented positive sign in Japan and ASEAN markets, while European Union, China, Australia and Middle East declined. Meanwhile, export prices decreased by 1.3%, whereas export volume increased by 3.8%, slowing down from 5.4% in 2017.

Service receipts at current market prices posted value at 2,501,304 million baht with a growth of 4.0%, lower than 6.8% rise in the previous year. Service receipts principally slowed down from deceleration in both travel and passenger receipts on account of a slowing down in foreign tourists. While other business services increased.

Imports of goods and services

Imports of goods and services at current market prices in 2018 presented the value of 9,169,690 million baht, grew by 9.2% accelerated from 7.6% increase in the previous year, this improvement derived from both merchandise and services.

Merchandise imports at current market prices showed the value of 7,394,423 million baht, increased by 8.5% slightly lower from 8.7% in last year. Expansion in consumer goods imports derived from both non-durable and durable goods in conformity with an increase in private final consumption expenditure, in particular food and beverages, apparel and furniture. Raw material goods increased, particularly in fuel, construction materials, and metal products in accordance with industrial production situations. Capital goods import declined, however import of machinery and equipment category grew up in consistent with demand from a gross fixed capital formation in equipment. In addition, overall import prices and import volume are also increased by the rate of 0.6% and 7.9%, respectively.

Service payments at current market prices posted a value of 1,775,267 million baht, increased by 12.2%. This was resulted from freight and travel service payments in accompany with international trade situations and the number of Thai travelers aboard, respectively. Moreover, other business service payments also expanded.

Higher surplus in trade and service balance, whilst continual current account surplus.

Trade and services balance and current account

Trade and services balance at current market prices presented a surplus of 1,446,473 million baht, lower than a surplus of 1,928,994 million baht. Trade balance posted a surplus at 720,436 million baht, lower than a surplus of 1,104,945 million baht in the previous year, while services balance posted a surplus at 726,037 million baht, lower than a surplus of 824,049 million baht in 2017. Primary income (net factor income from abroad) registered a deficit of 791,868 million baht, deeper than a deficit of 693,851 million baht in 2017, while secondary income presented a surplus value at 258,645 million baht. Eventually, overall current account component showed a surplus of 913,250 million baht, lower than a surplus of 1,490,599 million baht in the preceding year.

Trade and services balance and current account at current market prices

Items	Value at current market prices (Millions of Baht)			Growth rate (%)		
	2016	2017	2018	2016	2017	2018
Exports	9,785,869	10,326,731	10,616,163	5.3	5.5	2.8
Goods	7,533,353	7,920,724	8,114,859	3.1	5.1	2.5
Services	2,252,516	2,406,007	2,501,304	13.3	6.8	4.0
Imports	7,806,464	8,397,737	9,169,690	-0.7	7.6	9.2
Goods	6,270,835	6,815,779	7,394,423	-2.1	8.7	8.5
Services	1,535,629	1,581,958	1,775,267	5.6	3.0	12.2
Trade and services balance	1,979,405	1,928,994	1,446,473			
Percentage to GDP (%)	13.6	12.5	8.8			
Primary income	-685,365	-693,851	-791,868			
Secondary income	240,575	255,455	258,645			
Current account balance	1,534,616	1,490,599	913,250			
Percentage to GDP (%)	10.5	9.6	5.6			

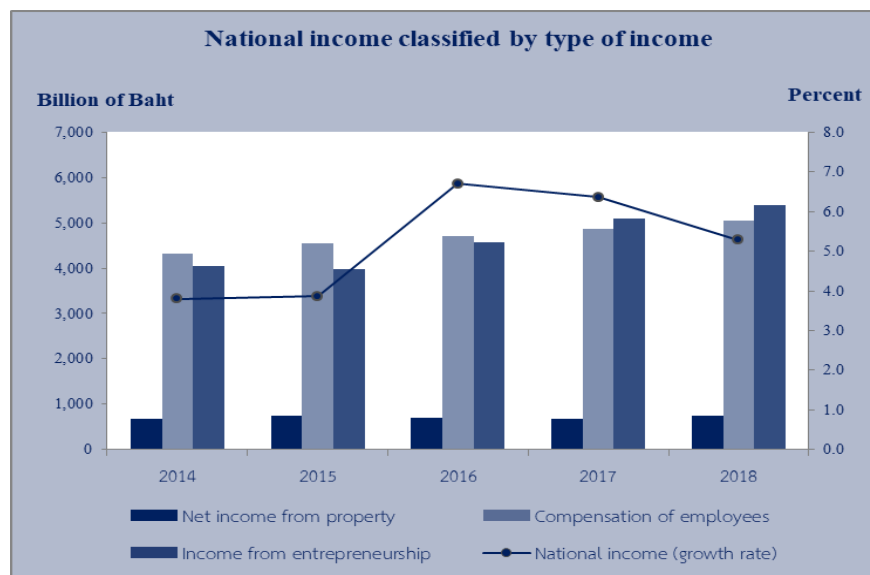
Exchange rate

Exchange rate presented an average value at 32.3 Thai Baht per U.S. dollar in 2018, appreciating from 33.9 Thai Baht per U.S. dollar in 2017.

National income and savings

National income

Gross National Income in 2018 presented value at 15,573,706 million baht, grew up by 5.3%. Compensation of employees, 32.4% of gross national income, rose by 3.9%. Return on capital, land, and entrepreneurship, 39.3% of gross national income, increased by 5.8%, principally due to a rebound in net property income after dropped in 2016 and 2017. While return on entrepreneurship decelerated. Moreover, taxes on production and imports less subsidies and consumption of fixed capital increased by 7.3% and 5.5%, respectively.



Type of income	Value at current market prices (Millions of Baht)			Growth rate (%)		
	2016	2017	2018	2016	2017	2018
Compensation of employees	4,711,543	4,855,710	5,046,273	3.5	3.1	3.9
Income from property and entrepreneurship	5,253,757	5,784,900	6,119,728	11.0	10.1	5.8
Income from property (Net)	694,239	684,677	740,456	-6.5	-1.4	8.1
• Households & Non-profit institutions	683,769	661,140	708,371	-4.7	-3.3	7.1
• Government	10,470	23,537	32,085	-59.1	124.8	36.3
Income from entrepreneurship	4,559,518	5,100,223	5,379,272	14.3	11.9	5.5
• Households & Non-profit institutions	2,785,069	3,014,298	3,185,172	9.8	8.2	5.7
• Corporations	1,774,449	2,085,925	2,194,100	22.2	17.6	5.2
Taxes on production and import less subsidies	1,453,542	1,526,340	1,637,031	3.6	5.0	7.3
Consumption of fixed capital	2,488,386	2,625,752	2,770,674	6.1	5.5	5.5
National income	13,907,228	14,792,702	15,573,706	6.7	6.4	5.3
Population (1,000 persons)	68,322	68,800	69,107	0.5	0.7	0.4
National income per capita (Baht)	203,554	215,010	225,356	6.2	5.6	4.8

Compensation of employees

Compensation of employees grew by 3.9%, better than 3.1% lift in the preceding year.

Compensation of employees or return on labor in 2018 amounted to 5,046,273 million baht, equivalence to 32.4% of Gross National Income (GNI), increased by 3.9%, slower than a rise of 3.1% in 2017. Compensation of employees accelerated in both public and private sectors; moreover, wages and salaries increased by 3.8%, while employers' social contributions and other welfare increased by 4.9%. Since 1st April 2018, new minimum wage enforcement was implemented which 8-20 Baht per day increasing in various provinces instead of former minimum wage law, lead to average minimum wage expanded by 4.8%. While salaries in the government sector were increased as normal rising only, special salary account adjustment was not applied. Labor force survey by the National Statistical Office (NSO) in 2018 indicated employed people increased by 1.1%. Number of employees decreased in private and public sectors, private employees, 80.8% proportion of total employees, diminished by 0.3%, while public employees fell by 2.1%.

Compensation of employees by economic activities

Sector	Value at current prices (Millions of Baht)			Growth rate (%)		
	2016	2017	2018	2016	2017	2018
Agricultural sector	189,600	196,576	202,555	1.1	3.7	3.0
Agriculture, forestry and fishing	189,600	196,576	202,555	1.1	3.7	3.0
Non-agricultural sector	4,499,916	4,649,871	4,840,294	3.5	3.3	4.1
Industrial	1,387,568	1,413,870	1,470,226	2.2	1.9	4.0
Manufacturing	1,250,080	1,267,123	1,311,969	2.3	1.4	3.5
Others	137,488	146,747	158,257	0.7	6.7	7.8
Services	3,112,348	3,236,001	3,370,068	4.2	4.0	4.1
Construction	204,325	200,910	202,226	3.2	-1.7	0.7
Wholesale and retail trade; repair of motor vehicles and motorcycles	449,853	474,927	488,817	5.5	5.6	2.9
Transportation and storage	171,492	181,758	189,532	4.5	6.0	4.3
Accommodation and food service activities	146,889	166,467	183,007	10.2	13.3	9.9
Financial and insurance activities	319,428	326,889	341,736	3.5	2.3	4.5
Public administration and defence; compulsory social security	653,625	678,453	705,037	4.3	3.8	3.9
Education	572,680	587,230	617,543	2.1	2.5	5.2
Human health and social work activities	259,571	275,423	287,285	7.0	6.1	4.3
Others	334,485	343,944	354,885	2.0	2.8	3.2
The rest of the world	22,027	9,263	3,424	7.8	-57.9	-63.0
Total	4,711,543	4,855,710	5,046,273	3.5	3.1	3.9

Private and Public compensation of employees

Compensation of employees of the public sector posted as 34.7% of total overall compensation of employees grew by 3.8%, accelerated from a rise of 3.4% in the preceding year. Compensation of employees of both government and state enterprises increased at the rate of 4.3% and 0.9%, respectively. Compensation of employees of the private sector, accounted for 65.3% of total compensation of employees, lifted by 4.0% higher than a rise of 2.9% in 2017. Compensation of employees in the agricultural sector decelerated in contrast to accelerating in the non-agricultural sector.

Compensation of employees in the agricultural sector decelerated whereas industrial and service sectors accelerated.

Compensation of employees by sector

Compensation of employees in the agricultural sector recorded the value at 202,555 million baht, 4.0% proportion of total compensation of employees, expanded by 3.0%, smaller than 3.7% rise in 2017. These originated from a decrease in the planting area, particularly in the rice farming area. Furthermore, the major agricultural product price level also decreased, along with a decline in the average rainfall throughout the country. Consequently, employment in the agricultural sector decelerated.

Compensation of employees in the non-agricultural sector valued at 4,840,294 million baht, a 95.9% share of total compensation of employees, expanded by 4.1%, improving from 3.3% increase in the previous year. Such an increase revealed in both the industrial and services sectors.

Compensation of employees in the industrial sector, a 29.1% share of overall compensation of employees, expanded by 4.0%, improving from a rise of 1.9% in 2017. The largest proportion in the industrial sector was manufacturing which improved from 1.4% expansion in 2017 to a 3.5% rise in 2018. Compensation of employees in mining and quarrying also improved from 2.7% in 2017 to a 6.1% rise in 2018. Moreover, compensation of employees in electricity, gas, steam and air conditioning supply together with water supply; sewerage, waste management, and remediation activities grew by 8.9%, and 2.9%, respectively.

Compensation of employees in the service sector, a 66.8% share of total compensation of employees, lifted by 4.1%, slightly increased from a 4.0% rise in the preceding year. Compensation of employees in accommodation and food service activities; and transportation and storage activities built up by 9.9%, and 4.3%, respectively, derived by the expansion of production situation, internal demand from domestic consumption and external demand from foreign tourists. Compensation of employees in public administration and defence; compulsory social security, education, and human health and social work activities also boosted up by 3.9%, 5.2%, and 4.3%, compared to a growth of 3.8%, 2.5%, and 6.1% in the preceding year, respectively, which mainly affected from an expansion in the public sector. Compensation of employees in financial and insurance activities enhanced from a growth of 2.3% in 2017 to a growth of 4.5% in 2018. Such an improvement originated from higher compensation of employees in financial service activities and activities auxiliary to financial service and insurance activities, especially in commercial banks and non-depository institution credit card operators, while insurance activities slowed down. Moreover, compensation of employees in other services activities expanded by 3.2%, better than 2.8% growth in 2017.

Net compensation of employees from the rest of the world recorded value at 3,424 million baht, dropped by 63.0% compared to the previous year. Compensation of employees from the rest of the world fell by 2.3%, in contrast to a 6.9% increase in compensation of employees to the rest of the world.

Returns on land, capital, and entrepreneurs

Net return on land, capital, and entrepreneurship valued at 6,119,728 million baht, equivalence to 39.3% of gross national income, expanded by 5.8%, slowing down from a rise of 10.1% in 2017.

Income from farms and households and non-profit institutions serving households (NPISHs) mixed income valued at 3,185,172 million baht, a 20.5% share of gross national income, increased by 5.7%, slower than an 8.2% increase in 2017. Income from farms expanded by 2.5% slowed down from a 4.0% rise in the preceding year. Such a deceleration was majorly due to lower agricultural product prices, in particular, rubber, oil crops, fruits, and vegetables. Furthermore, other mixed income also posted as a deceleration trend.

Income from entrepreneurship or profit of corporations recorded the value at 2,194,100 million baht, boosted up by 5.2%. Net saving of private corporations slowed down, while the net saving of state enterprises subtracted.

Net income from property of households and non-profit institutions serving households (NPISHs) valued at 708,371 million baht, increased by 7.1%, recovering from a 3.3% contraction in 2017. This was mainly due to an expansion in property income receipt expanded at a higher rate than the income payment.

Households and private non-profit institutions income from property

Item	Growth rate (%)			Structure (%)		
	2016	2017	2018	2016	2017	2018
Income						
Interest received	-7.9	-6.2	1.4	24.0	22.7	21.7
from banks	-10.6	-4.9	0.2	21.3	20.5	19.3
from others	21.4	-17.2	12.3	2.7	2.2	2.4
Dividends	-3.9	-1.2	8.6	51.6	51.5	52.6
Rent	1.1	0.0	3.1	7.8	7.9	7.7
Others	6.4	6.5	7.1	16.6	17.9	18.0
Total	-3.0	-1.0	6.3	100.0	100.0	100.0
Expense						
Interest paid	-1.1	4.1	5.3	65.4	66.0	66.4
Rent	1.1	0.0	3.1	22.6	21.9	21.5
Others	8.6	4.6	4.8	12.0	12.1	12.1
Total	0.4	3.2	4.7	100.0	100.0	100.0

Households and NPISHs property income receipt posted value at 1,100,722 million baht, increased by 6.3%, recovered from a 1.0% fall in the previous year, on account of an increase in all receipt items. Household dividends receive from the business sector grew up by 8.6%, enhanced from a 1.2% decline in 2017, which mainly attributed to improvements in dividends from private corporations. Income from interest receipts expanded by 1.4%, rebound from a 6.2% fall in the previous year, in line with increases in interest paid by banks and bank deposits of households and NPISHs, even though the interest rate slightly lowered than the preceding year. Interest receipts from government bonds and other interest receipts revealed an upward trend. Income from rent of farming area, and other receipts expanded by 3.1%, and 7.1%, respectively.

Households and NPISHs property income payment posted value at 392,351 million baht, increased by 4.7%, from a 3.2% rise in 2017. Such an increase originated from interest payment, the main payment item, expanded by 5.3%, which increased in interest payment to banks and cooperatives, in keeping with higher loan for consumption. However, the interest rate was slightly lower than the previous year. Moreover, rent for agricultural area increased.

General government income from property consists of income from rent, interest, and dividends which increased by 7.9%, compared to a rise of 6.4% in 2017. The increase was mainly from rent income which grew by 14.9%, attributed to an increase from real estate rental. Income from interests decreased by 4.0%, owing partially to a decrease in interest on loans of Student loan funds and deposit return from financial institutions. Meanwhile, dividend income increased by 12.2%, attributed to an increase in dividends from income of state enterprises in special cases, state revenue from the net profit from the operation of the Government Lottery Office.

General government income from property

Item	Growth rate (%)			Structure (%)		
	2016	2017	2018	2016	2017	2018
Rent	69.2	28.3	14.9	5.6	6.6	7.1
Interest received	-3.4	-0.4	-4.0	20.0	18.8	16.7
From Banks	-4.8	-6.1	-6.4	16.9	14.9	13.0
From others	5.5	32.2	3.3	3.1	3.9	3.7
Dividend	-6.8	7.4	12.2	54.8	55.3	57.5
Investment income on pension entitlement	8.6	4.6	4.8	19.6	19.3	18.7
Total	-0.9	6.4	7.9	100.0	100.0	100.0

Saving and saving - investment gap

Gross saving posted value at 5,035,290 million baht, declined by 0.1%, in contrast to a 9.3% increase in 2017. Net saving posted value at 2,415,574 million baht, grew by 4.1%, smaller than 22.0% in 2017 due mainly to a deceleration in private net saving. Private net saving increased by 0.6%, greatly slowing down from a rise of 21.3% in 2017 as a consequence of the deceleration in households and NPISHs and private corporations. Net saving of the public sector increased favorably because of 57,923 million baht deficit in 2018 less deficit than a large amount of 149,457 million baht deficit in 2017. Net saving of public corporations and government enterprises lessened by 4.0%. Consumption of fixed capital registered value at 2,770,674 million baht grew up by 5.5%, rising at the same as 2017.

Saving and gross capital formation

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2016	2017	2018	2016	2017	2018
Gross capital formation	3,079,366	3,550,960	4,122,041	0.2	15.3	16.1
• Private sector	2,529,341	2,654,863	2,768,970	0.9	5.0	4.3
• Public sector	930,560	924,982	957,923	7.6	-0.6	3.6
• Change in inventories	-380,535	-28,885	395,148	-27.4	92.4	1,468.0
Gross saving	4,613,982	5,041,558	5,035,290	14.6	9.3	-0.1
• Net saving	1,901,914	2,321,208	2,415,574	26.0	22.0	4.1
• Depreciation	2,488,386	2,625,752	2,770,674	6.1	5.5	5.5
• Discrepancy	223,682	94,598	-150,958			
Saving-investment gap	1,534,616	1,490,598	913,249	60.8	-2.9	-38.7
Saving-investment gap to GDP (%)	10.5	9.6	5.6			

Private net savings

Private net savings comprises of households and NPISHs, private corporations, and cooperatives presented the value of 2,243,870 million baht, slightly increased by 0.6%, less than a 21.3% rise in 2017.

1) Net savings of Households and Non-profit Institutions Serving Households (NPISHs)

Net savings of households and NPISHs showed value at 898,023 million baht, grew by 0.2%, slowing down from a rise of 18.2% in 2017 due to disposable income increasing by 5.2%, rising at the same rate of the preceding year. Meanwhile, the final consumption expenditure of households and NPISHs grew by 5.6%, accelerating from the previous year and a higher rate than disposable income, hence net savings of households and NPISHs revealed a low rate expansion.

Households and NPISHs income valued at 10,147,879 million baht, increased by 5.3%, supported by the increase in both primary and secondary income receivable. Primary income receivable, the principal source of income, increased by 4.8%, consists of (1) compensation of employees, 49.7% share of households and NPISHs income, increased by 3.9%, (2) property income increased by 6.3%, better than 2 consecutive years decreasing in 2016 and 2017 owing to an increase in interest income and dividend from private corporations in line with the bank deposit and dividend payout ratio situations, respectively, and (3) households and NPISHs mixed income, a 31.4% share of total income, expanded by 5.7%. Secondary income receivable comprises of social benefit

other than social transfers in kind and other current transfers grew by the rate of 10.9%.

Personal income, expenditure and saving

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2016	2017	2018	2016	2017	2018
Personal income	9,200,090	9,641,160	10,147,879	4.8	4.8	5.3
Personal outlay	1,279,307	1,310,239	1,380,347	4.9	2.4	5.4
Disposable personal income	7,920,783	8,330,921	8,767,532	4.8	5.2	5.2
<u>Less</u> Private consumption expenditure	7,296,687	7,579,743	8,002,720	3.4	3.9	5.6
<u>Plus</u> Adjustment for the change in pension entitlement	134,385	145,092	133,211	-0.3	8.0	-8.2
Personal savings	758,481	896,270	898,023	18.9	18.2	0.2
Disposable personal income per capita (Baht)	115,933	121,089	126,869	4.3	4.4	4.8
Personal outlay per capita (Baht)	106,798	110,171	115,802	2.9	3.2	5.1
Personal savings per capita (Baht)	11,102	13,027	12,995	18.3	17.3	-0.2

Primary and secondary income payment, inevitable expenses valued at 1,380,347 million baht, increased by 5.4%, accelerating from a rise of 2.4% in 2017. Property income payable rose by 4.7%, enhancing from a 3.2% rise in 2017. Income taxes grew up by 4.4%, rebound from a 3.0% fall in 2017. Net social security contribution grew by 5.5%. While transfer to government and rest of the world also increased.

Households and NPISHs disposable income increased by 5.2%, as same as the rate in the preceding year. After deducted by private final consumption expenditure, a 5.6% growth, and adjustment for the change in pension entitlement, contributed to net savings of households and NPISHs expanded by 0.2%. In other words, average net savings of households and NPISHs posted at 12,995 baht per person, slightly fell by 0.2%.

2) Net savings of private corporations and cooperatives

Net savings of private corporations and cooperatives, which adjusted by national accounts definition, valued at 1,345,847 million baht, rising at the rate of 0.8% compared to a rise of 23.6% in 2017. Net savings of cooperatives posted at 13,074 million baht with rate of growth at 10.1%. Net savings of private corporations registered at 1,332,773 million baht, increased by 0.7%, compared to a 23.7% growth in the previous year, mainly originated from a reduction of profit in national accounts figure of listed companies in the Stock Exchange of Thailand (private commercial banks and public corporations excluded) and commercial banks, together with a slowdown in other private corporation profit.

Net saving

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2016	2017	2018	2016	2017	2018
Net savings	1,901,914	2,321,208	2,415,574	26.0	22.0	4.1
Private sector	1,839,019	2,231,419	2,243,870	27.7	21.3	0.6
• Households	758,481	896,270	898,023	18.9	18.2	0.2
• Corporations & cooperatives	1,080,538	1,335,149	1,345,847	34.7	23.6	0.8
Public sector	62,895	89,789	171,704	-8.8	42.8	91.2
• Government	-146,527	-149,457	-57,923	-160.0	-2.0	61.2
• Enterprises	209,422	239,246	229,627	67.1	14.2	-4.0
Gross saving	4,613,982	5,041,558	5,035,291	14.6	9.3	-0.1
Gross savings to GDP (%)	31.6	32.6	30.8			

Public net savings

Public net savings consisting of general government, public corporations and government enterprises presented a surplus at 171,704 million baht, remarkably boosted up by 91.2%. Government net savings recorded as deficit at 57,923 million baht, better than deficit at 149,457 million baht in 2017. Net savings of public corporations and government enterprises posted a surplus at 229,627 million baht, decreased by 4.0%, in contrast to a rise of 14.2% in the preceding year.

1) General government net savings

General government net savings recorded the deficit value of 57,923 million baht, considered to be the fifth consecutive year deficit. However, it improved from the deficit of 149,457 million baht in 2017. In 2018, revenues of the general government registered the value of 4,655,426 million baht, an increase of 5.7%. The increase was from taxes, the major item income, which grew by 9.2%. Meanwhile, government expenditure in non-investment items posted at 4,279,746 million baht, which grew by 3.8%, compared to a rise of 4.1% in the previous year. In the meantime, the value of adjustment for the change in pension entitlement valued 133,211 million baht or a decrease of 8.2%, and consumption of fixed capital valued 300,391 million baht or an increase of 4.9%. Consequently, general government net saving increased by 61.2%, in contrast to a fall of 2.0% in 2017.

An increase in general government income in 2018 came mainly from increases in taxes on production and imports, property income from government, current taxes on income, wealth, etc. which enabled to categorize as follows:

General government income, expenditure and savings

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2016	2017	2018	2016	2017	2018
General government income	4,223,559	4,405,266	4,655,426	1.6	4.3	5.7
General government expenditure	1,501,471	1,601,743	1,636,365	2.4	6.7	2.2
Disposable general government income	2,722,088	2,803,523	3,019,061	1.1	3.0	7.7
<u>Less</u> Final consumption expenditure	2,460,817	2,521,454	2,643,382	4.6	2.5	4.8
<u>Less</u> Adjustment for the change in pension entitlement ^{1/}	134,385	145,092	133,211	-0.3	8.0	-8.2
<u>Less</u> Consumption of fixed capital	273,413	286,434	300,391	4.7	4.8	4.9
General government net savings	-146,527	-149,457	-57,923	-160.0	-2.0	61.2

Remark 1/ only government funds such as social security fund (in the case of child allowance and old age), private teacher aid fund, Bangkok Metropolitan Administration pension fund, and local administration pension fund

Taxes on production and imports regarded as the main source of revenues with a proportion of 36.8%, increased by 7.9%, owing to an increase in the value of government tax collection. Expansion of tax revenue was from (1) Value Added Taxes (VAT) as a result of an increase in vat collection which comes from importing raw materials, intermediate products as well as oil products. The main reason is that the crude oil price in the global market stayed relatively as high as it was last year. Moreover, the value added tax on consumption still expanded. Sectors whose vat contribution expanded most in the previous year were telecommunication (from 4G spectrum auction); electricity, gas steam and air conditioning supply; extraction of crude petroleum and natural gas. Sectors whose vat contribution declined were renting; financial service activities (from waiving transaction fees); and beverage production; (2) Oil and petroleum products taxes due to the adjustments of tax rate applied on diesel on June 19th, 2018 from 5.850 baht/liter to 6.440 baht/liter; and diesel B7 from 5.850 baht/liter to 5.980 baht/liter. (3) Tobacco tax as a result of more imports to satisfy higher domestic demand while the Tobacco Authority of Thailand has been able to adapt the market strategy to maintain the market share. (4) Specific business tax due to an increase in tax collection from the Land Department in the previous year according to higher sales revenue of real estates, in particular, Bangkok metropolis area which was seen from higher investment on real estate of private sector and that of condominium by foreign investors; however, in provincial areas, the sales of real estate increased moderately according to the public investment. Tax collection from financial institutes increased due to the expansion of commercial banks' loan. (5) Petroleum royalty due to increased turnover as a result of prices of crude oil and liquefied natural gas adjusted upward in 2018 which affected the turnover and profits of petroleum producers which were seen from higher tax collection on net profit and tax collection on forecasted net profit. (6) Import duties (7) Non-alcoholic beverage tax (8) Motor car tax due partly to car manufacturers launching various new models and sales promotions which resulted in higher tax collection on cars (9) Beer tax. Deceleration in tax revenue was from: (1) Import excise tax (2) Income of 20 percent of the lottery sales and interest.

Declining in tax collection was: (1) Income from the Tobacco Authority of Thailand (2) Liquor tax and stamp as a result of product forestalling before the

enforcement of Excise Act B.E. 2560 and lower consumption of some items under government control measures, such as the laws on liquor sales control along with anti-alcohol campaigns.

Property Income from government and Investment income payable on pension entitlements with the share of 5.5% of total government revenue increased by 7.9%, as a result of the income from dividend with the share of 57.5% of total government property income, increased by 12.2%, partly contribute to income from the Government Lottery Office, the Government Saving Bank, and Metropolitan Electricity Authority. Meanwhile, other property income, namely investment income payable on pension entitlements increased by 4.8%, due to an expansion of dividend receive (child allowance and old-age program) from social security fund, following rental income which increased by 14.9%, attributed partly to a rise in real estate rental fees. However, interest income decreased by 4.0%, due to a decrease in return of student loan, and a drop in return of deposit from financial institutions.

Current taxes on income, wealth, etc. accounting of 22.5% of total government revenue, increased by 11.4%. Tax expansion was found from corporate income taxes, which increased by 9.6%. 3 main reasons contributed to growth:

(1) Tax on net profit and forecasted net profit was higher than the previous year by 8.2% as a result of higher corporate income tax for the year 2017 collected in 2018. Similarly, tax collection on forecasted net profit was increased, as a result of the economic expansion during the first half of 2018, and favorable expansion in banking sector which resulted from the bank's rising level of provisioning for IFRS9 implementation in 2017 however the mandatory effective date of the standard was postponed to 2020. Moreover, the transfers of the concession within large corporations in the petroleum industry resulted in higher petroleum tax payment. Tax collection on net profit was much higher than the previous year but below the budget's forecast due partly to the deceleration in net profits of the companies in the Stock Exchange of Thailand, in particular, two main industries in the Stock Exchange of Thailand, namely banking sector due to the increase in level of provision, and telecommunication sector due to large expenses in radio frequency spectrum allocation. While, petrochemical and chemical industries had expanded according to an increase in oil prices (2) Withholding tax collection by private sector which increased by 8.3%, in line with the expansion in private investment and the Manufacturing production index as well as tax collection on corporate acquisitions. (3) Tax collection on service fees and profit distribution abroad increased by 7.4%, as a result of an increase in the corporate turnover in 2017 which resulted in a large tax collection on sale of shares to the foreign corporation. For personal income tax collection increased by 4.1%, due to an increase in the tax on salary base collection by 3.5% as a consequence of restructuring personal income tax. In the government sector, the withholding tax on salary also increased by 2.6%, as well as the private sector which increased by 3.6%. Finally, the withholding tax on interest payment collection increased by 7.5% and withholding tax collection on real estate transactions has increased by 11.1%. The higher collection was supported by an increase in land prices and a large number of land transactions, especially in provincial areas where the government infrastructure mega-projects located. Petroleum income tax collection increased by 103.8%, in line with a 28.8% increase in oil prices in 2017, together with due to

an additional tax payment resulting from court judgment under the Petroleum Income Tax Act, the transfers of the concession within large corporations resulting in higher petroleum tax payment.

Social contributions with the proportion of 12.3% to total government revenue increased by 5.5% compared to a rise of 5.9% in 2017 on a consequence of an increase in both employer and employee contributions to social security fund in line with an increase in the number of insured persons. Meanwhile, the rate of contributions of both employers and employees stayed at the same rate as last year. Meanwhile, contributions to the Bangkok government pension fund decreased.

Miscellaneous current transfers, receivable with the 1.2% share of total government revenue, increased by 14.1% due to an increase in income from donation, and income from unsubstantiated prize money and interest from the Government Lottery Office.

Interest paid with the 4.1% share of total government expenditure, increased by 4.8% as a result of a rise in government bond yield. Short-term government bond yield increased at the beginning of the fourth quarter due partly to the 3-month and 6 month supply of bond of the Bank of Thailand which increased and adjusted downward in November as a consequence of higher demand of the investors. However, short-term government bond yield improved greatly before the 8th meeting of the Monetary Policy Committee which reflected the speculation of the investors on adjusting the policy rate upward. Middle-term and long-term bond yield increased at the beginning of the fourth quarter, according to US treasury yield. However, US middle-term and long-term treasury yield decreased in the second half of November due to higher demand of some type of government bond in order to adjust the proportion of investment, global bond index, and the anxiety of the investors on US trade protection measure, and political uncertainty in the European Union, particularly Brexit negotiations, and passing Italy's the budget. Promissory notes for financing deficit decelerated by 3.7%. Interest paid decreased covered (1) Interest payment of Treasury bill discount decreased by 60.8% as a results of bills redemption with a fall of 45.3% (2) Interest expenses, promissory notes, debt restructuring decreased by 8.1% (3) Short-term yield from commercial banks loan decreased by 23.9% according to the fall of the loan as well as low level of short-term interest rate (4) Interest paid of international debt decreased by 3.7%.

Subsidies with the share of 1.8% to total government expenditure increased by 23.4% as a result of an increase in subsidized LPG and High Speed Diesel from Fuel fund and export subsidies.

Social benefits other than social transfers in kind with the share of 12.5% to total government expenditure, increased by 16.5%, compared to a rise of 8.5% in 2017. This was due to the expansion of a normal pension, monthly pension, social benefits case of old age pension and child allowance, allowance for the elderly, and allowance for the disabled. Similarly, the government scheme "state welfare scheme", which intended to raise income for poor people, valued 55,092 million baht (The participants have received the money since October 2017). While Outpatient medical expenses - state hospital for legal eligibility, except for pensioners and Outpatient medical expenses - state hospital for legal pensioners decreased.

Miscellaneous current transfers, payable with the share of 2.2% to total government expenditure decreased by 12.4% in contrast to a rise of 9.3% in 2017 as a result of a reduction of transfers expenses for operations - non-profit organizations and expenses to help the victims. While, transfers expenses for operations - household sector and training expenses - outsider increased.

2) Net savings of public corporations and government enterprises

Net savings of public corporations and government enterprises valued at 229,627 million baht, dropped by 4.0%, in contrast to a rise of 14.2% in the preceding year. Public corporations and government enterprises net profit in business accounting figure of 2018 calendar year showed value at 255,366 million baht, expanded by 31.7%, recovering from a fall of 7.6% in the previous year. After consolidated with 161,823 million baht of national accounts definition adjustment, public corporations and government enterprises net profit in national accounts aspect before profit allocation registered at 417,189 million baht, lessening by 2.1%, in contrast to a 12.1% expansion in 2017. After deduct by profit allocation, comprising (1) dividend (2) profit delivered to government and (3) bonus payment from net profit, which increased by 0.3%, consequently, net savings of public corporations and government enterprises declined.

Net savings of state enterprises classified by organization pattern, public corporations net saving or performance in national accounts aspects posted at 86,223 million baht, dropped by 11.3%, in contrast to a 19.2% increase in 2017. Other state enterprises showed net savings as 143,404 million baht, rose by 1.0%, decelerated from a rise of 11.1% in the previous year.

Saving - investment gap

Gross saving registered value at 5,035,290 million baht, slightly decreased by 0.1%, in contrast to a rise of 9.3% in the previous year. Gross capital formation or investment registered at 4,122,041 million baht, boosted up by 16.1%, larger than 15.3% in the previous year. Such gross saving and investment brought about to a surplus of saving-investment gap at 913,249 million baht, lower than a surplus of 1,490,598 million baht in 2017, equivalent to 5.6% of GDP.

GDP Implicit Price Deflator

Overall price level increased by 1.5% decelerating from a 2.0% rise in the previous year.

GDP Implicit Price Deflator

GDP Implicit Price Deflator grew by 1.5%, decelerating from a rise of 2.0% in the previous year. Agricultural price deflator decreased by 3.1%, compared to a rise of 0.4% previously. Meanwhile, non-agricultural price deflator rose by 1.9%, compared to a rise of 2.1% in the previous year as a result of a slowdown in the deflators contributed chiefly to main activities namely manufacturing; electricity, gas, steam and air conditioning supply; wholesale and retail trade; education; accommodation and food service and human health and social work. Increasing in deflators was found from financial and insurance; real estates; arts, entertainment and recreation; households as employers and other service activities. Falling in deflators was found from water supply, sewerage, waste management and remediation; transportation and storage; and information and communication.

On the expenditure side, overall price deflator rose by 0.0%, decelerating from a rise of 1.2% in the previous year. Private consumption expenditure price deflator inclined by 1.0%, compared to a rise of 0.8% previously. In addition, price deflator of investment rose by 0.3%. In addition, price of government final consumption expenditure grew by 2.2%. For external sector, price deflator of exports of goods and services declined by 0.5%, compared to a rise of 0.3% in the previous year. Price deflator of imports of goods and services increased by 0.8%, decelerating from a rise of 1.3% in the previous year.

Consumer price index (CPI) expanded by 1.1%, compared to a rise of 0.7% in the previous year while producer price index (PPI) increased by 0.4%, slowing down from a rise of 0.7% in 2017.

Growth rate of implicit price deflator

(%)

Implicit price deflator	2014	2015	2016	2017	2018
Gross domestic product, (GDP)	1.4	0.7	2.7	2.0	1.5
Agriculture	-8.5	-2.3	2.7	0.4	-3.1
Non-agriculture	2.7	1.0	2.7	2.1	1.9
Expenditure on gross domestic product	2.5	2.6	3.0	1.2	0.0
Private final consumption expenditure	2.0	-1.2	0.5	0.8	1.0
General government final consumption expenditure	3.0	2.6	2.4	2.3	2.2
Gross fixed capital formation	1.8	-1.0	-0.2	1.7	0.3
Exports of goods and services	3.9	1.5	2.5	0.3	-0.5
Imports of goods and services	3.6	-4.9	0.3	1.3	0.8
Consumer price index (CPI)	1.9	-0.9	0.2	0.7	1.1
Producer price index (PPI)	0.1	-4.1	-1.2	0.7	0.4

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Main Accounts

Account 1 Production account

(Millions of Baht)

Transactions and balancing items	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Uses								
Intermediate consumption	17,244,688	18,935,584	19,469,478	19,533,100	19,175,953	19,143,898	20,103,197	20,768,246
Value added, gross / Gross domestic product	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,592,593	15,486,553	16,365,574
Consumption of fixed capital	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,625,752	2,770,674
Value added, net / Net domestic product	9,568,381	10,399,186	10,830,634	11,016,107	11,398,629	12,104,207	12,860,801	13,594,900
Resources								
Output	27,499,711	30,068,101	31,112,133	31,554,616	31,574,287	32,357,896	34,137,579	35,577,320
Market output	25,814,064	28,210,923	29,147,172	29,474,523	29,379,318	30,064,655	31,784,914	33,091,488
Non-market output	1,685,647	1,857,178	1,964,961	2,080,093	2,194,969	2,293,241	2,352,665	2,485,832
Taxes on products	1,145,656	1,303,706	1,351,505	1,303,157	1,388,433	1,422,778	1,489,880	1,608,119
Subsidies on products (-)	93,772	78,879	79,001	94,370	43,304	44,183	37,709	51,619

Account 2 Generation of income account

(Millions of Baht)

Transactions and balancing items	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Uses								
Compensation of employees, payable	3,411,393	3,783,696	4,016,251	4,300,943	4,533,734	4,689,516	4,846,447	5,042,849
Wages and salaries	3,013,748	3,365,027	3,574,463	3,816,852	4,005,633	4,120,101	4,242,600	4,409,130
Employers' social contributions	397,645	418,669	441,788	484,091	528,101	569,415	603,847	633,719
Taxes on production and imports, payable	1,220,712	1,384,661	1,443,542	1,391,975	1,473,579	1,521,872	1,588,209	1,713,402
Taxes on products	1,145,656	1,303,706	1,351,505	1,303,157	1,388,433	1,422,778	1,489,880	1,608,119
Other taxes on production	75,056	80,955	92,037	88,818	85,146	99,094	98,329	105,283
(less) Subsidies, receivable	113,574	100,106	103,665	121,854	69,939	68,330	61,869	76,371
Subsidies on products	93,772	78,879	79,001	94,370	43,304	44,183	37,709	51,619
Other subsidies on production	19,802	21,227	24,664	27,484	26,635	24,147	24,160	24,752
Mixed income and operating surplus, gross	6,788,376	7,289,093	7,559,031	7,659,239	7,806,089	8,449,535	9,113,766	9,685,694
Consumption of fixed capital	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,625,752	2,770,674
Mixed income and operating surplus, net	5,049,850	5,330,935	5,474,506	5,445,043	5,461,255	5,961,149	6,488,014	6,915,020
Resources								
Value added, gross / Gross domestic product	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,592,593	15,486,553	16,365,574
Value added, net / Net domestic product	9,568,381	10,399,186	10,830,634	11,016,107	11,398,629	12,104,207	12,860,801	13,594,900

Account 3 Allocation of primary income account

(Millions of Baht)

Transactions and balancing items	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Uses								
Balance of primary incomes, gross								
/ National income, gross	11,034,197	11,791,146	12,089,670	12,549,606	13,034,490	13,907,228	14,792,702	15,573,706
Balance of primary incomes, net								
/ National income, net	9,295,671	9,832,988	10,005,145	10,335,410	10,689,656	11,418,842	12,166,950	12,803,032
Resources								
Mixed income and operating surplus, gross	6,788,376	7,289,093	7,559,031	7,659,239	7,806,089	8,449,535	9,113,766	9,685,694
Mixed income and operating surplus, net	5,049,850	5,330,935	5,474,506	5,445,043	5,461,255	5,961,149	6,488,014	6,915,020
Compensation of employees	3,430,944	3,812,499	4,041,907	4,323,540	4,554,169	4,711,543	4,855,710	5,046,273
Wages and salaries	3,033,299	3,393,830	3,600,119	3,839,449	4,026,068	4,142,128	4,251,863	4,412,554
Employers' social contributions	397,645	418,669	441,788	484,091	528,101	569,415	603,847	633,719
Taxes on production and imports	1,220,712	1,384,661	1,443,542	1,391,975	1,473,579	1,521,872	1,588,209	1,713,402
Taxes on products	1,145,656	1,303,706	1,351,505	1,303,157	1,388,433	1,422,778	1,489,880	1,608,119
Other taxes on production	75,056	80,955	92,037	88,818	85,146	99,094	98,329	105,283
(less) Subsidies	113,574	100,106	103,665	121,854	69,939	68,330	61,869	76,371
Subsidies on products	93,772	78,879	79,001	94,370	43,304	44,183	37,709	51,619
Other subsidies on production	19,802	21,227	24,664	27,484	26,635	24,147	24,160	24,752
Property income ^{1/}	-292,261	-595,001	-851,145	-703,294	-729,408	-707,392	-703,114	-795,292

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

Account 4 Secondary distribution of income account

(Millions of Baht)

Transactions and balancing items	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Uses								
Current transfers	2,415,240	2,810,224	2,875,549	2,821,762	3,014,010	3,073,897	3,207,049	3,372,557
Current taxes on income, wealth, etc.	886,235	925,098	988,890	915,579	944,041	945,045	940,953	1,048,574
Taxes on income	857,903	892,434	959,843	881,447	906,322	908,726	897,742	1,004,085
Other current taxes	28,332	32,664	29,047	34,132	37,719	36,319	43,211	44,489
Social contributions	486,896	514,329	555,529	610,254	658,254	705,434	745,189	783,967
Employers' actual social contributions	120,355	118,036	136,318	158,414	169,913	176,570	183,897	193,714
Employers' imputed social contributions	277,290	300,633	305,470	325,677	358,188	392,845	419,950	440,005
Households' actual social contributions ^{1/}	60,991	63,528	79,004	88,430	90,186	92,613	95,960	102,710
Households' social contributions supplements ^{2/}	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Social benefits other than social transfers in kind	275,045	326,151	330,096	346,702	376,524	422,139	457,995	533,378
Social security benefits in cash	22,352	26,986	29,400	30,159	31,332	36,394	38,769	44,247
Other social insurance benefits	197,138	215,128	207,476	227,205	252,364	294,399	315,210	332,761
Social assistance benefits in cash	55,555	84,037	93,220	89,338	92,828	91,346	104,016	156,370
Other current transfers	767,064	1,044,646	1,001,034	949,227.0	1,035,191	1,001,279	1,062,912	1,006,638
Net non-life insurance premiums ^{3/}	540	480	380	444	194	181	248	264
Current transfer within general government	580,745	814,877	712,042	656,299	734,081	701,203	762,526	710,498
Current international cooperation	1,553	1,334	1,375	1,819	1,602	2,548	1,980	1,718
Miscellaneous current transfers	184,226	227,955	287,237	290,665	299,314	297,347	298,158	294,158
Disposable income, gross	11,369,668	12,178,197	12,415,677	12,833,160	13,263,579	14,147,804	15,048,157	15,832,350
Disposable income, net	9,631,142	10,220,039	10,331,152	10,618,964	10,918,745	11,659,418	12,422,405	13,061,676
Resources								
Balance of primary incomes, gross								
/ National income, gross	11,034,197	11,791,146	12,089,670	12,549,606	13,034,490	13,907,228	14,792,702	15,573,706
Balance of primary incomes, net								
/ National income, net	9,295,671	9,832,988	10,005,145	10,335,410	10,689,656	11,418,842	12,166,950	12,803,032
Current transfers	2,750,711	3,197,275	3,201,556	3,105,316	3,243,099	3,314,473	3,462,504	3,631,201
Current taxes on income, wealth, etc.	886,235	925,098	988,890	915,579	944,041	945,045	940,953	1,048,574
Taxes on income	857,903	892,434	959,843	881,447	906,322	908,726	897,742	1,004,085
Other current taxes	28,332	32,664	29,047	34,132	37,719	36,319	43,211	44,489
Social contributions	486,896	514,329	555,529	610,254	658,254	705,434	745,189	783,967
Employers' actual social contributions	120,355	118,036	136,318	158,414	169,913	176,570	183,897	193,714
Employers' imputed social contributions	277,290	300,633	305,470	325,677	358,188	392,845	419,950	440,005
Households' actual social contributions ^{1/}	60,991	63,528	79,004	88,430	90,186	92,613	95,960	102,710
Households' social contributions supplements ^{2/}	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Social benefits other than social transfers in kind	275,045	326,151	330,096	346,702	376,524	422,139	457,995	533,378
Social security benefits in cash	22,352	26,986	29,400	30,159	31,332	36,394	38,769	44,247
Other social insurance benefits	197,138	215,128	207,476	227,205	252,364	294,399	315,210	332,761
Social assistance benefits in cash	55,555	84,037	93,220	89,338	92,828	91,346	104,016	156,370
Other current transfers	1,102,535	1,431,697	1,327,041	1,232,781	1,264,280	1,241,855	1,318,367	1,265,282
Non-life insurance claims ^{3/}	8	21	1	2	1	1	1	1
Current transfer within general government	580,745	814,877	712,042	656,299	734,081	701,203	762,526	710,498
Current international cooperation	3,592	5,214	3,120	3,497	2,190	3,009	2,572	3,063
Miscellaneous current transfers	518,190	611,585	611,878	572,983	528,008	537,642	553,268	551,720

Note : ^{1/} The government social security plans included in government account comprise 6 funds : Social security fund, The Workmen's Compensation fund, Welfare fund (the former name is headmaster and private school teacher welfare fund), The national health security fund, Bangkok Metropolitan Administration pension fund, Local administration pension fund

^{2/} Governmental funds consist of social security fund (In the case of child allowance and old age)

^{3/} Government only

Account 5 Use of disposable income account

(Millions of Baht)

Transactions and balancing items	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Uses								
Final consumption expenditure	7,813,380	8,603,354	8,900,573	9,196,721	9,409,847	9,757,504	10,101,197	10,646,102
Individual consumption expenditure	6,858,551	7,565,382	7,800,010	8,055,548	8,205,689	8,508,008	8,832,963	9,296,406
Collective consumption expenditure ^{1/}	954,829	1,037,972	1,100,563	1,141,173	1,204,158	1,249,496	1,268,234	1,349,696
Adjustment for the change in pension entitlements	94,873	107,370	129,060	131,124	134,843	134,385	145,092	133,211
Saving, gross	3,556,288	3,574,843	3,515,104	3,636,439	3,853,732	4,390,300	4,946,960	5,186,248
Saving, net	1,817,762	1,616,685	1,430,579	1,422,243	1,508,898	1,901,914	2,321,208	2,415,574
Resources								
Disposable income, gross ^{1/}	11,369,668	12,178,197	12,415,677	12,833,160	13,263,579	14,147,804	15,048,157	15,832,350
Disposable income, net	9,631,142	10,220,039	10,331,152	10,618,964	10,918,745	11,659,418	12,422,405	13,061,676
Adjustment for the change in pension entitlements	94,873	107,370	129,060	131,124	134,843	134,385	145,092	133,211

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

Account 6 Redistribution of income in kind account

(Millions of Baht)

Transactions and balancing items	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Uses								
Social transfers in kind	870,307	982,822	1,012,806	1,096,910	1,148,884	1,211,321	1,253,220	1,293,686
Social transfers in kind - non-market production	656,899	737,151	774,914	852,780	905,607	951,101	985,839	1,030,869
Social transfers in kind - purchased market production	213,408	245,671	237,892	244,130	243,277	260,220	267,381	262,817
Adjusted disposable income, gross	11,369,668	12,178,197	12,415,677	12,833,160	13,263,579	14,147,804	15,048,157	15,832,350
Adjusted disposable income, net	9,631,142	10,220,039	10,331,152	10,618,964	10,918,745	11,659,418	12,422,405	13,061,676
Resources								
Disposable income, gross	11,369,668	12,178,197	12,415,677	12,833,160	13,263,579	14,147,804	15,048,157	15,832,350
Disposable income, net	9,631,142	10,220,039	10,331,152	10,618,964	10,918,745	11,659,418	12,422,405	13,061,676
Social transfers in kind	870,307	982,822	1,012,806	1,096,910	1,148,884	1,211,321	1,253,220	1,293,686
Social transfers in kind - non-market production	656,899	737,151	774,914	852,780	905,607	951,101	985,839	1,030,869
Social transfers in kind - purchased market production	213,408	245,671	237,892	244,130	243,277	260,220	267,381	262,817

Account 7 Use of adjusted disposable income account

(Millions of Baht)

Transactions and balancing items	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Uses								
Actual final consumption	7,813,380	8,603,354	8,900,573	9,196,721	9,409,847	9,757,504	10,101,197	10,646,102
Actual individual consumption	6,858,551	7,565,382	7,800,010	8,055,548	8,205,689	8,508,008	8,832,963	9,296,406
Actual collective consumption	954,829	1,037,972	1,100,563	1,141,173	1,204,158	1,249,496	1,268,234	1,349,696
Adjustment for the change in pension entitlements	94,873	107,370	129,060	131,124	134,843	134,385	145,092	133,211
Saving, gross	3,556,288	3,574,843	3,515,104	3,636,439	3,853,732	4,390,300	4,946,960	5,186,248
Saving, net	1,817,762	1,616,685	1,430,579	1,422,243	1,508,898	1,901,914	2,321,208	2,415,574
Resources								
Adjusted disposable income, gross	11,369,668	12,178,197	12,415,677	12,833,160	13,263,579	14,147,804	15,048,157	15,832,350
Adjusted disposable income, net	9,631,142	10,220,039	10,331,152	10,618,964	10,918,745	11,659,418	12,422,405	13,061,676
Adjustment for the change in pension entitlements	94,873	107,370	129,060	131,124	134,843	134,385	145,092	133,211

Account 8 External income account

(Millions of Baht)

Transactions and balancing items	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Income of non-residents								
Import of goods and services	7,781,469	8,492,424	8,432,453	8,270,441	7,861,679	7,806,464	8,397,737	9,169,690
<i>Import of goods</i>	6,376,152	7,073,389	6,977,230	6,801,008	6,407,028	6,270,835	6,815,779	7,394,423
<i>Import of services</i>	1,405,317	1,419,035	1,455,223	1,469,433	1,454,651	1,535,629	1,581,958	1,775,267
Primary income receivable by non-residents	475,389	816,716	1,025,561	919,664	875,532	913,155	982,533	1,072,113
<i>Compensation of employees</i>	33,087	30,317	30,835	39,391	49,203	56,705	60,680	64,887
<i>Property income</i>	442,302	786,399	994,726	880,273	826,329	856,450	921,853	1,007,226
Secondary income receivable by non-residents	84,065	96,368	109,072	118,386	129,363	133,111	123,024	122,168
Other current transfer	84,065	96,368	109,072	118,386	129,363	133,111	123,024	122,168
<i>Public</i>	1,553	1,334	1,375	1,819	1,602	2,548	1,980	1,718
<i>Private</i>	82,512	95,034	107,697	116,567	127,761	130,563	121,044	120,450
Use of income by non-residents								
Export of goods and services	8,011,498	8,520,542	8,675,260	9,048,752	9,295,635	9,785,869	10,326,731	10,616,163
<i>Export of goods</i>	6,744,693	7,075,805	6,990,698	7,360,423	7,308,359	7,533,353	7,920,724	8,114,859
<i>Export of services</i>	1,266,805	1,444,737	1,684,562	1,688,329	1,987,276	2,252,516	2,406,007	2,501,304
Primary income payable by non-residents	202,679	250,518	200,072	238,967	166,559	227,790	288,682	280,245
<i>Compensation of employees</i>	52,638	59,120	56,491	61,988	69,638	78,732	69,943	68,311
<i>Property income</i>	150,041	191,398	143,581	176,979	96,921	149,058	218,739	211,934
Secondary income payable by non-residents	419,537	483,419	435,079	401,940	358,452	373,687	378,479	380,812
Other current transfer	419,537	483,419	435,079	401,940	358,452	373,687	378,479	380,812
<i>Public</i>	3,592	5,214	3,120	3,497	2,190	3,009	2,572	3,063
<i>Private</i>	415,945	478,205	431,959	398,443	356,262	370,678	375,907	377,749
Balance on external income account	-292,790	151,029	256,675	-381,168	-954,072	-1,534,616	-1,490,598	-913,249

Gross Domestic Product
Chain Volume Measures

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

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Private final consumption expenditure	5,988,244	6,582,560	6,787,204	6,958,637	7,056,805	7,296,687	7,579,743	8,002,720
General government final consumption expenditure	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,460,817	2,521,454	2,643,382
Gross fixed capital formation	2,921,293	3,335,697	3,278,326	3,262,778	3,371,069	3,459,901	3,579,845	3,726,893
Change in inventories	107,991	127,344	267,804	-98,217	-298,624	-380,535	-28,885	395,148
Plus : Exports of goods and services	8,011,498	8,520,542	8,675,260	9,048,752	9,295,635	9,785,869	10,326,731	10,616,163
<i>Exports of goods (f.o.b)</i>	6,744,693	7,075,805	6,990,698	7,360,423	7,308,359	7,533,353	7,920,724	8,114,859
<i>Exports of services</i>	1,266,805	1,444,737	1,684,562	1,688,329	1,987,276	2,252,516	2,406,007	2,501,304
Less : Imports of goods and services	7,781,469	8,492,424	8,432,453	8,270,441	7,861,679	7,806,464	8,397,737	9,169,690
<i>Imports of goods (f.o.b)</i>	6,376,152	7,073,389	6,977,230	6,801,008	6,407,028	6,270,835	6,815,779	7,394,423
<i>Imports of services</i>	1,405,317	1,419,035	1,455,223	1,469,433	1,454,651	1,535,629	1,581,958	1,775,267
Expenditure on gross domestic product	11,072,693	12,094,513	12,689,510	13,139,593	13,916,248	14,816,275	15,581,151	16,214,616
Plus : Statistical discrepancy	234,214	262,831	225,649	90,710	-172,785	-223,682	-94,598	150,958
Gross domestic product, (GDP)	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,592,593	15,486,553	16,365,574

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

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Private final consumption expenditure	4,392,805	4,714,916	4,759,900	4,785,278	4,909,814	5,051,305	5,207,242	5,444,906
General government final consumption expenditure	1,302,439	1,395,850	1,417,379	1,457,177	1,493,837	1,526,255	1,528,472	1,567,746
Gross fixed capital formation	2,101,552	2,326,977	2,303,441	2,252,515	2,350,865	2,418,543	2,461,276	2,554,311
Change in inventories	68,204	92,683	183,078	-63,572	-111,915	-340,739	-67,113	259,978
Plus : Exports of goods and services	6,645,480	6,888,817	7,062,025	7,086,421	7,175,013	7,368,455	7,750,033	8,009,507
<i>Exports of goods (f.o.b)</i>	5,578,730	5,699,840	5,706,462	5,750,028	5,615,083	5,628,099	5,931,454	6,154,112
<i>Exports of services</i>	1,065,011	1,188,539	1,358,020	1,339,154	1,565,896	1,750,022	1,828,271	1,865,057
Less : Imports of goods and services	6,368,345	6,726,852	6,839,905	6,477,504	6,477,757	6,413,517	6,812,903	7,376,613
<i>Imports of goods (f.o.b)</i>	5,209,398	5,579,979	5,680,561	5,322,667	5,334,768	5,212,824	5,600,454	6,042,682
<i>Imports of services</i>	1,163,672	1,150,819	1,163,166	1,157,418	1,145,494	1,199,428	1,214,912	1,335,215
Expenditure on gross domestic product (sum up)	8,135,671	8,688,007	8,884,553	9,040,495	9,343,318	9,621,233	10,074,236	10,468,213
Residual (GDE (sum up) - GDE CVM)	-99,421	-125,267	-139,221	-78,951	-66,221	-104,420	-36,663	-56,576
% Residual (GDE sum up) to GDE CVM	-1.2	-1.0	-2.0	-1.0	-1.0	-1.0	0.0	-1.0
Expenditure on gross domestic product	8,235,092	8,813,274	9,023,774	9,119,446	9,409,539	9,725,653	10,110,899	10,524,789
Gross domestic product, (GDP)	8,301,560	8,902,824	9,142,077	9,232,087	9,521,417	9,847,918	10,248,359	10,673,744

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)**

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Private final consumption expenditure	136.8	146.8	148.2	149.0	152.9	157.3	162.2	169.6
General government final consumption expenditure	171.4	183.7	186.5	191.7	196.6	200.8	201.1	206.3
Gross fixed capital formation	166.2	184.1	182.2	178.2	186.0	191.3	194.7	202.0
Change in inventories								
Plus : Exports of goods and services	189.9	196.9	201.8	202.5	205.1	210.6	221.5	228.9
<i>Exports of goods (f.o.b)</i>	196.6	200.9	201.1	202.6	197.9	198.3	209.0	216.9
<i>Exports of services</i>	161.0	179.7	205.3	202.5	236.8	264.6	276.4	282.0
Less : Imports of goods and services	203.2	214.6	218.2	206.7	206.7	204.6	217.4	235.4
<i>Imports of goods (f.o.b)</i>	213.1	228.3	232.4	217.7	218.2	213.2	229.1	247.2
<i>Imports of services</i>	168.7	166.9	168.7	167.8	166.1	173.9	176.2	193.6
Expenditure on gross domestic product	145.8	156.0	159.8	161.5	166.6	172.2	179.0	186.3
Gross domestic product, (GDP)	143.9	154.3	158.5	160.0	165.0	170.7	177.6	185.0

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

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p	Percent
Private final consumption expenditure	1.8	7.3	1.0	0.5	2.6	2.9	3.1	4.6	
General government final consumption expenditure	3.7	7.2	1.5	2.8	2.5	2.2	0.1	2.6	
Gross fixed capital formation	4.9	10.7	-1.0	-2.2	4.4	2.9	1.8	3.8	
Change in inventories									
Plus : Exports of goods and services	9.5	3.7	2.5	0.3	1.3	2.7	5.2	3.3	
<i>Exports of goods (f.o.b)</i>	8.8	2.2	0.1	0.8	-2.3	0.2	5.4	3.8	
<i>Exports of services</i>	13.6	11.6	14.3	-1.4	16.9	11.8	4.5	2.0	
Less : Imports of goods and services	12.4	5.6	1.7	-5.3	0.0	-1.0	6.2	8.3	
<i>Imports of goods (f.o.b)</i>	14.4	7.1	1.8	-6.3	0.2	-2.3	7.4	7.9	
<i>Imports of services</i>	4.5	-1.1	1.1	-0.5	-1.0	4.7	1.3	9.9	
Expenditure on gross domestic product	1.0	7.0	2.4	1.1	3.2	3.4	4.0	4.1	
Gross domestic product, (GDP)	0.8	7.2	2.7	1.0	3.1	3.4	4.1	4.2	

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

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p	Percent
Private final consumption expenditure	1.0	3.9	0.5	0.3	1.4	1.5	1.5	2.2	
General government final consumption expenditure	0.6	1.2	0.3	0.5	0.4	0.4	0.0	0.4	
Gross fixed capital formation	1.2	2.8	-0.3	-0.6	1.1	0.7	0.4	0.9	
Change in inventories	-0.5	0.3	1.0	-2.8	-0.6	-1.5	1.9	2.8	
Plus : Exports of goods and services	6.3	2.6	1.7	0.2	0.9	1.8	3.5	2.2	
<i>Exports of goods (f.o.b)</i>	5.0	1.3	0.1	0.4	-1.3	0.1	2.8	1.9	
<i>Exports of services</i>	1.4	1.3	1.7	-0.2	2.2	1.7	0.7	0.3	
Less : Imports of goods and services	7.5	3.9	1.2	-3.5	0.0	-0.6	3.3	4.5	
<i>Imports of goods (f.o.b)</i>	7.0	4.0	1.0	-3.4	0.1	-1.1	3.2	3.5	
<i>Imports of services</i>	0.5	-0.1	0.1	-0.1	-0.1	0.5	0.1	1.0	
Expenditure on gross domestic product	1.0	6.9	2.3	1.0	3.2	3.4	4.0	4.1	
Gross domestic product, (GDP)	0.8	7.2	2.7	1.0	3.1	3.4	4.1	4.2	

*Gross Domestic Product
(Production)*

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Agriculture	1,310,673	1,421,602	1,462,283	1,334,795	1,219,420	1,237,006	1,300,994	1,330,008
Agriculture, forestry and fishing	1,310,673	1,421,602	1,462,283	1,334,795	1,219,420	1,237,006	1,300,994	1,330,008
Non-agriculture	9,996,234	10,935,742	11,452,876	11,895,508	12,524,043	13,355,587	14,185,559	15,035,566
<i>Industrial</i>	<i>3,987,898</i>	<i>4,273,733</i>	<i>4,420,724</i>	<i>4,526,819</i>	<i>4,592,338</i>	<i>4,792,403</i>	<i>5,033,817</i>	<i>5,282,490</i>
Mining and quarrying	400,576	483,427	496,562	495,627	431,425	399,763	386,153	416,991
Manufacturing	3,278,536	3,456,693	3,563,122	3,648,058	3,762,150	3,960,862	4,186,823	4,375,689
Electricity, gas, steam and air conditioning supply	270,494	291,725	313,431	331,412	343,430	373,149	396,601	422,127
Water supply; sewerage, waste management and remediation activities	38,292	41,888	47,609	51,722	55,333	58,629	64,240	67,683
<i>Services</i>	<i>6,008,336</i>	<i>6,662,009</i>	<i>7,032,152</i>	<i>7,368,689</i>	<i>7,931,705</i>	<i>8,563,184</i>	<i>9,151,742</i>	<i>9,753,076</i>
Construction	306,622	340,956	344,786	337,043	379,940	400,421	394,720	410,800
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,570,715	1,709,703	1,729,206	1,816,182	1,966,439	2,187,470	2,383,488	2,595,442
Transportation and storage	616,470	666,331	693,603	720,581	779,135	864,601	918,722	954,633
Accommodation and food service activities	349,523	413,291	472,928	497,777	600,218	696,936	817,102	919,502
Information and communication	242,816	265,239	290,854	301,427	327,394	337,524	362,625	386,043
Financial and insurance activities	644,682	744,615	871,377	961,260	1,037,951	1,121,023	1,178,057	1,234,500
Real estate activities	306,174	317,770	319,055	324,590	332,488	354,607	377,351	401,002
Professional, scientific and technical activities	214,438	258,785	266,926	267,745	261,390	255,303	274,635	286,185
Administrative and support service activities	189,205	227,941	234,426	231,496	237,026	240,806	250,667	262,167
Public administration and defence; compulsory social security	681,051	732,534	765,985	802,790	843,417	881,905	917,087	956,832
Education	454,248	503,346	528,167	565,146	594,280	612,191	629,776	651,606
Human health and social work activities	219,165	235,802	250,812	270,681	288,404	307,440	324,344	348,227
Arts, entertainment and recreation	50,656	60,357	65,422	65,640	70,145	81,156	91,070	102,413
Other service activities	142,068	162,716	175,308	181,557	185,669	193,698	204,434	216,296
Activities of households as employers	20,503	22,623	23,297	24,774	27,809	28,103	27,664	27,428
Gross domestic product, (GDP)	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,592,593	15,486,553	16,365,574
plus : Net primary income from the rest of the world	-272,710	-566,198	-825,489	-680,697	-708,973	-685,365	-693,851	-791,868
Gross national income, (GNI) 1	11,034,197	11,791,146	12,089,670	12,549,606	13,034,490	13,907,228	14,792,702	15,573,706
less : Consumption of fixed capital	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,625,752	2,770,674
Net national income, (NNI)	9,295,671	9,832,988	10,005,145	10,335,410	10,689,656	11,418,842	12,166,950	12,803,032
Per capita GDP (Baht)	170,467	185,159	192,327	195,807	202,151	213,586	225,095	236,815
Per capita GNI (Baht)	166,356	176,675	180,034	185,733	191,723	203,554	215,010	225,356
Population (1,000 Heads)	66,329	66,739	67,152	67,568	67,986	68,322	68,800	69,107

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

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

(Millions of Baht)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Agriculture	1,320,175	1,432,087	1,473,403	1,350,216	1,231,908	1,249,182	1,306,399	1,333,632
Agriculture, forestry and fishing	1,320,175	1,432,087	1,473,403	1,350,216	1,231,908	1,249,182	1,306,399	1,333,632
Non-agriculture	8,879,594	9,640,702	10,101,879	10,609,966	11,107,915	11,889,869	12,653,814	13,394,911
<i>Industrial</i>	<i>3,439,054</i>	<i>3,649,058</i>	<i>3,758,625</i>	<i>3,929,076</i>	<i>3,886,163</i>	<i>4,070,322</i>	<i>4,298,943</i>	<i>4,481,564</i>
Mining and quarrying	333,316	404,734	409,178	413,451	364,614	339,771	327,469	352,793
Manufacturing	2,828,043	2,948,468	3,028,467	3,171,404	3,156,421	3,330,343	3,542,982	3,675,256
Electricity, gas, steam and air conditioning supply	240,413	255,634	275,402	294,216	311,475	343,396	366,432	388,258
Water supply; sewerage, waste management and remediation	37,282	40,222	45,578	50,005	53,653	56,812	62,060	65,257
<i>Services</i>	<i>5,440,540</i>	<i>5,991,644</i>	<i>6,343,254</i>	<i>6,680,890</i>	<i>7,221,752</i>	<i>7,819,547</i>	<i>8,354,871</i>	<i>8,913,347</i>
Construction	284,213	311,791	316,566	304,563	346,034	364,219	357,242	371,479
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,233,603	1,287,403	1,339,604	1,429,304	1,572,302	1,766,590	1,940,012	2,135,169
Transportation and storage	607,285	655,375	680,226	710,558	769,473	851,703	902,127	939,029
Accommodation and food service activities	337,783	402,049	458,667	484,520	585,837	681,077	798,234	899,172
Information and communication	227,787	251,529	265,039	285,132	307,382	323,466	346,501	365,349
Financial and insurance activities	608,095	702,801	821,296	916,509	984,858	1,067,826	1,123,999	1,178,647
Real estate activities	250,267	254,284	245,462	239,352	254,946	277,944	288,653	304,995
Professional, scientific and technical activities	186,879	229,623	236,284	233,252	224,870	220,351	238,254	248,964
Administrative and support service activities	151,453	183,924	184,700	177,327	178,761	186,579	196,668	206,907
Public administration and defence; compulsory social security	681,051	732,534	765,985	802,790	843,417	881,905	917,087	956,832
Education	473,843	524,395	552,668	592,437	620,754	636,165	653,766	676,094
Human health and social work activities	217,864	234,416	249,362	269,170	286,849	305,727	322,483	346,058
Arts, entertainment and recreation	32,083	41,262	48,681	48,812	52,891	55,263	59,808	65,817
Other service activities	127,831	157,635	155,417	162,390	165,569	172,629	182,373	191,407
Activities of households as employers	20,503	22,623	23,297	24,774	27,809	28,103	27,664	27,428
Gross domestic product, (GDP)	10,199,769	11,072,789	11,575,282	11,960,182	12,339,823	13,139,051	13,960,213	14,728,543

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Agriculture	638,483	655,755	660,364	658,463	615,884	608,582	637,252	672,389
Agriculture, forestry and fishing	638,483	655,755	660,364	658,463	615,884	608,582	637,252	672,389
Non-agriculture	7,667,868	8,268,856	8,512,404	8,610,045	8,972,634	9,320,632	9,694,067	10,084,326
<i>Industrial</i>	<i>2,907,682</i>	<i>3,118,300</i>	<i>3,171,484</i>	<i>3,174,354</i>	<i>3,235,835</i>	<i>3,308,189</i>	<i>3,376,246</i>	<i>3,467,619</i>
Mining and quarrying	220,682	237,723	242,838	238,871	244,576	246,598	231,886	225,024
Manufacturing	2,414,078	2,581,224	2,629,744	2,630,605	2,670,312	2,730,539	2,807,963	2,898,627
Electricity, gas, steam and air conditioning supply	237,735	262,120	257,165	265,070	277,958	286,140	291,268	297,754
Water supply; sewerage, waste management and remediation activities	33,373	36,151	38,763	39,830	43,419	46,681	49,423	52,226
<i>Services</i>	<i>4,766,472</i>	<i>5,158,855</i>	<i>5,351,833</i>	<i>5,448,767</i>	<i>5,754,360</i>	<i>6,032,259</i>	<i>6,339,752</i>	<i>6,640,983</i>
Construction	218,454	235,808	235,098	229,389	268,506	289,914	281,229	288,092
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,207,515	1,270,509	1,280,384	1,270,224	1,340,744	1,423,265	1,513,818	1,613,758
Transportation and storage	497,067	538,898	566,749	584,038	607,677	639,925	689,871	720,342
Accommodation and food service activities	336,294	383,693	420,918	431,370	496,112	542,082	600,407	646,158
Information and communication	338,732	368,592	403,823	425,195	468,111	479,355	499,131	536,958
Financial and insurance activities	432,403	498,628	560,159	602,101	652,498	698,226	742,692	768,167
Real estate activities	319,237	328,441	331,765	339,124	344,220	368,449	392,523	415,003
Professional, scientific and technical activities	171,610	201,072	204,638	202,429	199,458	194,983	206,887	213,726
Administrative and support service activities	142,970	166,525	168,445	163,710	169,527	172,053	176,406	182,462
Public administration and defence; compulsory social security	473,339	492,985	495,464	502,006	507,469	509,645	513,590	521,451
Education	296,475	311,032	316,795	323,739	324,311	323,598	324,937	329,123
Human health and social work activities	174,525	184,775	191,678	202,005	208,554	214,829	220,936	232,267
Arts, entertainment and recreation	47,530	56,228	60,845	61,046	66,670	80,860	90,647	101,743
Other service activities	111,664	125,052	132,434	135,403	139,542	144,950	151,931	158,449
Activities of households as employers	18,689.0	19,117.0	17,731.0	16,946.0	17,580.0	17,564.0	17,216.0	16,670.0
Gross domestic product (sum up)	8,330,855	8,954,328	9,215,800	9,321,564	9,663,128	10,018,238	10,440,013	10,890,389
Residual (GDP (sum up) - GDP CVM)	29,295	51,504	73,723	89,477	141,711	170,320	191,654	216,645
% Residual (GDP sum up) to GDP CVM	0.4	0.6	0.8	1.0	1.5	1.7	1.9	2.0
Gross domestic product, (CVM)^{1/}	8,301,560	8,902,824	9,142,077	9,232,087	9,521,417	9,847,918	10,248,359	10,673,744
Gross National Income (GNI), CVM 2	8,107,064	8,507,164	8,573,608	8,776,272	9,040,499	9,384,004	9,779,993	10,144,077

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)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Agriculture	127.3	130.8	131.7	131.3	122.8	121.4	127.1	134.1
Agriculture, forestry and fishing	127.3	130.8	131.7	131.3	122.8	121.4	127.1	134.1
Non-agriculture	145.6	157.0	161.6	163.4	170.3	176.9	184.0	191.4
<i>Industrial</i>	<i>148.2</i>	<i>158.9</i>	<i>161.7</i>	<i>161.8</i>	<i>164.9</i>	<i>168.6</i>	<i>172.1</i>	<i>176.7</i>
Mining and quarrying	161.0	173.5	177.2	174.3	178.5	180.0	169.2	164.2
Manufacturing	146.7	156.9	159.8	159.9	162.3	166.0	170.7	176.2
Electricity, gas, steam and air conditioning supply	155.6	171.6	168.3	173.5	181.9	187.3	190.7	194.9
Water supply; sewerage, waste management and remediation activities	123.9	134.2	143.9	147.9	161.2	173.3	183.5	193.9
<i>Services</i>	<i>144.2</i>	<i>156.0</i>	<i>161.9</i>	<i>164.8</i>	<i>174.1</i>	<i>182.5</i>	<i>191.8</i>	<i>200.9</i>
Construction	131.0	141.4	141.0	137.6	161.1	173.9	168.7	172.8
Wholesale and retail trade; repair of motor vehicles and motorcycles	133.3	140.3	141.4	140.3	148.1	157.2	167.2	178.2
Transportation and storage	133.2	144.5	151.9	156.6	162.9	171.5	184.9	193.1
Accommodation and food service activities	155.1	176.9	194.1	198.9	228.8	250.0	276.9	298.0
Information and communication	239.0	260.1	285.0	300.1	330.3	338.3	352.2	378.9
Financial and insurance activities	156.3	180.3	202.5	217.7	235.9	252.4	268.5	277.7
Real estate activities	138.8	142.8	144.2	147.4	149.6	160.2	170.6	180.4
Professional, scientific and technical activities	175.2	205.2	208.9	206.6	203.6	199.0	211.2	218.2
Administrative and support service activities	148.3	172.7	174.7	169.8	175.9	178.5	183.0	189.3
Public administration and defence; compulsory social security	139.0	144.7	145.5	147.4	149.0	149.6	150.8	153.1
Education	138.1	144.9	147.5	150.8	151.0	150.7	151.3	153.3
Human health and social work activities	146.5	155.1	160.9	169.6	175.1	180.3	185.4	195.0
Arts, entertainment and recreation	199.4	235.8	255.2	256.1	279.6	339.2	380.2	426.8
Other service activities	130.8	146.5	155.2	158.7	163.5	169.9	178.0	185.7
Activities of households as employers	106.1	108.6	100.7	96.2	99.8	99.8	97.8	94.7
Gross domestic product, (GDP)	143.9	154.3	158.5	160.0	165.0	170.7	177.6	185.0
Gross National Income (GNI), CVM	145.6	152.8	154.0	157.7	162.4	168.6	175.7	182.2

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

								Percent
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Agriculture	6.3	2.7	0.7	-0.3	-6.5	-1.2	4.7	5.5
Agriculture, forestry and fishing	6.3	2.7	0.7	-0.3	-6.5	-1.2	4.7	5.5
Non-agriculture	0.2	7.8	2.9	1.1	4.2	3.9	4.0	4.0
<i>Industrial</i>	-4.1	7.2	1.7	0.1	1.9	2.2	2.1	2.7
Mining and quarrying	-1.6	7.7	2.2	-1.6	2.4	0.8	-6.0	-3.0
Manufacturing	-4.9	6.9	1.9	0.0	1.5	2.3	2.8	3.2
Electricity, gas, steam and air conditioning supply	1.3	10.3	-1.9	3.1	4.9	2.9	1.8	2.2
Water supply; sewerage, waste management and remediation activities	-1.4	8.3	7.2	2.8	9.0	7.5	5.9	5.7
<i>Services</i>	3.3	8.2	3.7	1.8	5.6	4.8	5.1	4.8
Construction	-4.3	7.9	-0.3	-2.4	17.1	8.0	-3.0	2.4
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.0	5.2	0.8	-0.8	5.6	6.2	6.4	6.6
Transportation and storage	1.6	8.4	5.2	3.1	4.0	5.3	7.8	4.4
Accommodation and food service activities	12.3	14.1	9.7	2.5	15.0	9.3	10.8	7.6
Information and communication	8.4	8.8	9.6	5.3	10.1	2.4	4.1	7.6
Financial and insurance activities	6.1	15.3	12.3	7.5	8.4	7.0	6.4	3.4
Real estate activities	3.5	2.9	1.0	2.2	1.5	7.0	6.5	5.7
Professional, scientific and technical activities	6.4	17.2	1.8	-1.1	-1.5	-2.2	6.1	3.3
Administrative and support service activities	6.1	16.5	1.2	-2.8	3.6	1.5	2.5	3.4
Public administration and defence; compulsory social security	3.8	4.2	0.5	1.3	1.1	0.4	0.8	1.5
Education	2.7	4.9	1.9	2.2	0.2	-0.2	0.4	1.3
Human health and social work activities	4.8	5.9	3.7	5.4	3.2	3.0	2.8	5.1
Arts, entertainment and recreation	13.2	18.3	8.2	0.3	9.2	21.3	12.1	12.2
Other service activities	7.0	12.0	5.9	2.2	3.1	3.9	4.8	4.3
Activities of households as employers	6.0	2.3	-7.3	-4.4	3.7	-0.1	-2.0	-3.2
Gross domestic product, (GDP)	0.8	7.2	2.7	1.0	3.1	3.4	4.1	4.2
Gross National Income (GNI), CVM	2.7	4.9	0.8	2.4	3.0	3.8	4.2	3.7

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

								Percent
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Agriculture	0.7	0.3	0.1	0.0	-0.7	-0.1	0.4	0.5
Agriculture, forestry and fishing	0.7	0.3	0.1	0.0	-0.7	-0.1	0.4	0.5
Non-agriculture	0.2	6.9	2.6	1.0	3.8	3.5	3.7	3.7
<i>Industrial</i>	-1.5	2.6	0.6	0.0	0.7	0.7	0.7	0.9
Mining and quarrying	-0.1	0.3	0.1	-0.1	0.1	0.0	-0.2	-0.1
Manufacturing	-1.5	2.0	0.5	0.0	0.4	0.6	0.8	0.9
Electricity, gas, steam and air conditioning supply	0.0	0.2	0.0	0.1	0.1	0.1	0.0	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
<i>Services</i>	1.7	4.4	2.0	1.0	3.1	2.8	3.0	2.8
Construction	-0.1	0.2	0.0	-0.1	0.4	0.2	-0.1	0.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.0	0.7	0.1	-0.1	0.8	0.9	1.0	1.0
Transportation and storage	0.1	0.5	0.3	0.2	0.2	0.3	0.5	0.3
Accommodation and food service activities	0.4	0.4	0.3	0.1	0.6	0.4	0.5	0.4
Information and communication	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2
Financial and insurance activities	0.3	0.9	0.7	0.5	0.6	0.5	0.5	0.3
Real estate activities	0.1	0.1	0.0	0.1	0.0	0.2	0.2	0.1
Professional, scientific and technical activities	0.1	0.3	0.0	0.0	0.0	0.0	0.1	0.1
Administrative and support service activities	0.1	0.3	0.0	-0.1	0.1	0.0	0.0	0.1
Public administration and defence; compulsory social security	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.1
Education	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.1
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	0.0	0.0	0.0	0.1	0.1	0.1
Other service activities	0.1	0.2	0.1	0.0	0.0	0.1	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)	0.8	7.2	2.7	1.0	3.1	3.4	4.1	4.2

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

(Millions of Baht)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Crop and animal production, hunting and related service activities	1,191,369	1,298,258	1,349,641	1,213,571	1,104,801	1,114,458	1,177,420	1,202,484
Forestry and logging	9,322	10,283	9,901	11,269	11,593	12,626	11,902	12,292
Fishing and aquaculture	109,982	113,061	102,741	109,955	103,026	109,922	111,672	115,232
Total value added	1,310,673	1,421,602	1,462,283	1,334,795	1,219,420	1,237,006	1,300,994	1,330,008

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

(Millions of Baht)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Crop and animal production, hunting and related service activities	481,130	498,300	505,212	508,470	477,126	470,172	496,282	523,888
Forestry and logging	8,475	8,096	7,375	7,961	8,101	8,741	8,062	8,254
Fishing and aquaculture	149,331	140,311	131,494	113,953	101,822	102,545	100,086	105,433
Total value added	638,483	655,755	660,364	658,463	615,884	608,582	637,252	672,389

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Crop and animal production, hunting and related service activities	124.5	129.0	130.8	131.6	123.5	121.7	128.5	135.6
Forestry and logging	125.8	120.2	109.5	118.2	120.2	129.7	119.7	122.5
Fishing and aquaculture	137.7	129.4	121.3	105.1	93.9	94.6	92.3	97.2
Total value added	127.3	130.8	131.7	131.3	122.8	121.4	127.1	134.1

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

Percent

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Crop and animal production, hunting and related service activities	6.8	3.6	1.4	0.6	-6.2	-1.5	5.6	5.6
Forestry and logging	12.8	-4.5	-8.9	7.9	1.8	7.9	-7.8	2.4
Fishing and aquaculture	0.5	-6.0	-6.3	-13.3	-10.6	0.7	-2.4	5.3
Total value added	6.3	2.7	0.7	-0.3	-6.5	-1.2	4.7	5.5

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Mining of coal and lignite	15,359	12,874	12,938	12,744	11,368	12,155	12,034	11,865
Extraction of crude petroleum and natural gas	335,798	416,860	430,493	428,433	357,965	309,731	302,890	336,604
Mining of metal ores	5,052	7,238	6,113	6,545	4,180	5,302	1,347	79
Other mining and quarrying	44,367	46,455	47,018	47,905	57,912	72,575	69,882	68,443
Total value added	400,576	483,427	496,562	495,627	431,425	399,763	386,153	416,991

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Mining of coal and lignite	7,681	6,505	6,545	6,509	5,470	5,721	5,786	5,806
Extraction of crude petroleum and natural gas	176,430	191,971	197,156	193,575	198,766	199,316	188,640	182,979
Mining of metal ores	1,170	1,601	1,568	1,668	1,131	1,342	349	22
Other mining and quarrying	33,244	34,626	34,054	33,613	36,761	37,570	35,769	35,198
Total value added	220,682	237,723	242,838	238,871	244,576	246,598	231,886	225,024

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Mining of coal and lignite	102.7	87.0	87.5	87.1	73.2	76.5	77.4	77.7
Extraction of crude petroleum and natural gas	171.0	186.0	191.1	187.6	192.6	193.2	182.8	177.3
Mining of metal ores	52.1	71.3	69.8	74.3	50.4	59.8	15.5	1.0
Other mining and quarrying	137.8	143.5	141.2	139.3	152.4	155.7	148.3	145.9
Total value added	161.0	173.5	177.2	174.3	178.5	180.0	169.2	164.2

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Mining of coal and lignite	15.4	-15.3	0.6	-0.6	-16.0	4.6	1.1	0.3
Extraction of crude petroleum and natural gas	-3.6	8.8	2.7	-1.8	2.7	0.3	-5.4	-3.0
Mining of metal ores	-25.7	36.8	-2.1	6.4	-32.2	18.7	-74.0	-93.7
Other mining and quarrying	11.2	4.2	-1.7	-1.3	9.4	2.2	-4.8	-1.6
Total value added	-1.6	7.7	2.2	-1.6	2.4	0.8	-6.0	-3.0

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Food products	556,940	511,169	520,315	526,674	532,958	602,040	608,299	625,526
Beverages	194,939	242,332	261,252	274,971	286,228	285,301	272,839	275,680
Tobacco products	60,642	59,704	60,050	58,198	56,424	51,338	42,765	35,623
Textiles	123,770	119,156	119,755	118,529	114,327	110,155	106,748	102,942
Wearing apparel	86,238	79,339	76,391	79,607	78,951	85,606	94,513	100,991
Leather and related products	39,697	34,762	39,854	43,441	41,036	42,610	45,321	46,227
Wood and products of wood and cork	35,582	37,100	38,593	42,553	43,295	46,823	47,217	46,178
Paper and paper products	51,271	52,461	50,821	52,178	52,402	53,446	55,368	58,396
Printing and reproduction of recorded media	11,564	12,057	11,841	11,552	11,478	11,555	11,748	11,828
Coke and refined petroleum products	187,741	203,996	237,021	269,519	310,945	396,023	440,640	497,933
Chemicals and chemical products	250,135	263,205	277,598	296,089	326,200	318,889	355,539	394,597
Basic pharmaceutical products and pharmaceutical preparations	25,452	27,946	31,973	33,838	35,568	38,531	41,179	45,953
Rubber and plastics products	238,103	249,528	250,830	245,173	264,573	281,111	327,504	310,114
Non-metallic mineral products	132,649	142,571	151,940	151,052	148,621	148,894	144,228	150,630
Basic metals	63,442	63,621	65,453	68,132	60,793	63,168	67,620	68,467
Fabricated metal products, except machinery and equipment	96,596	101,923	101,122	105,823	110,410	118,886	127,882	136,624
Computer, electronic and optical products	369,417	346,078	345,172	387,943	367,282	332,968	381,783	396,970
Electrical equipment	139,210	152,603	165,465	186,095	185,753	199,414	193,464	196,859
Machinery and equipment not elsewhere classified	140,816	146,023	151,677	149,263	160,332	162,323	176,641	185,152
Motor vehicles, trailers and semi-trailers	213,181	333,777	337,886	287,410	300,730	326,988	341,357	379,432
Other transport equipment	87,298	94,117	86,863	80,411	90,633	95,939	108,567	109,888
Furniture	30,230	30,471	32,119	31,788	33,203	32,786	35,271	35,361
Other manufacturing	142,227	151,243	147,576	146,173	148,192	153,787	158,472	162,110
Repair and installation of machinery and equipment	1,396	1,511	1,555	1,646	1,816	2,281	1,858	2,208
Total value added	3,278,536	3,456,693	3,563,122	3,648,058	3,762,150	3,960,862	4,186,823	4,375,689

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Food products	319,071	330,926	326,661	335,690	333,035	338,048	340,060	363,059
Beverages	159,989	189,675	198,046	201,606	209,670	208,404	207,882	199,849
Tobacco products	36,151	35,615	35,862	34,690	33,707	30,630	25,462	21,214
Textiles	102,025	97,842	99,546	98,732	94,684	91,135	87,900	84,856
Wearing apparel	96,034	87,969	83,936	86,966	85,617	80,332	78,196	80,748
Leather and related products	36,349	33,277	37,059	40,113	37,821	39,367	41,108	41,844
Wood and products of wood and cork	27,789	28,343	29,563	32,403	32,634	35,247	37,780	36,348
Paper and paper products	45,091	45,756	43,998	45,463	45,579	46,313	46,829	48,441
Printing and reproduction of recorded media	8,858	8,721	8,499	8,306	7,894	7,588	7,710	7,984
Coke and refined petroleum products	105,820	110,645	113,893	117,393	126,783	127,930	134,143	139,760
Chemicals and chemical products	136,022	145,797	155,143	157,551	164,931	170,219	178,012	185,673
Basic pharmaceutical products and pharmaceutical preparations	24,252	26,652	30,338	32,124	33,746	36,536	38,995	43,513
Rubber and plastics products	121,360	137,671	143,344	145,817	154,656	158,625	172,299	164,951
Non-metallic mineral products	104,788	114,249	120,161	118,587	114,749	114,511	113,806	116,852
Basic metals	43,905	45,146	47,135	49,268	48,606	51,524	53,810	54,499
Fabricated metal products, except machinery and equipment	70,527	73,317	72,662	76,435	79,822	86,219	92,427	98,591
Computer, electronic and optical products	335,642	305,133	298,035	313,509	304,333	309,637	341,139	360,915
Electrical equipment	121,236	134,019	135,705	138,176	134,996	143,172	137,609	140,632
Machinery and equipment not elsewhere classified	125,100	132,769	137,651	134,931	140,451	141,829	154,298	162,135
Motor vehicles, trailers and semi-trailers	197,554	298,801	310,248	254,144	266,288	285,769	291,818	317,999
Other transport equipment	85,301	89,809	84,412	77,055	75,886	84,654	83,215	84,886
Furniture	23,564	23,590	24,648	24,174	25,045	24,685	26,478	26,475
Other manufacturing	74,854	76,451	78,849	79,448	81,309	81,683	81,218	83,620
Repair and installation of machinery and equipment	1,269	1,362	1,384	1,450	1,584	1,778	1,748	2,059
Total value added	2,414,078	2,581,224	2,629,744	2,630,605	2,670,312	2,730,539	2,807,963	2,898,627

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)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Food products	145.6	151.1	149.1	153.2	152.0	154.3	155.2	165.7
Beverages	141.3	167.5	174.9	178.0	185.2	184.0	183.6	176.5
Tobacco products	104.5	102.9	103.7	100.3	97.4	88.5	73.6	61.3
Textiles	86.6	83.1	84.5	83.8	80.4	77.4	74.6	72.0
Wearing apparel	94.1	86.2	82.2	85.2	83.9	78.7	76.6	79.1
Leather and related products	98.1	89.8	100.0	108.3	102.1	106.2	110.9	112.9
Wood and products of wood and cork	142.4	145.2	151.5	166.0	167.2	180.6	193.6	186.2
Paper and paper products	117.4	119.1	114.5	118.3	118.6	120.5	121.9	126.1
Printing and reproduction of recorded media	111.8	110.1	107.3	104.9	99.7	95.8	97.3	100.8
Coke and refined petroleum products	89.0	93.1	95.8	98.7	106.6	107.6	112.8	117.5
Chemicals and chemical products	158.9	170.3	181.2	184.0	192.6	198.8	207.9	216.9
Basic pharmaceutical products and pharmaceutical preparations	126.7	139.2	158.5	167.8	176.3	190.8	203.7	227.3
Rubber and plastics products	134.4	152.5	158.7	161.5	171.3	175.7	190.8	182.7
Non-metallic mineral products	130.4	142.1	149.5	147.5	142.8	142.5	141.6	145.4
Basic metals	99.2	102.0	106.5	111.3	109.8	116.4	121.6	123.2
Fabricated metal products, except machinery and equipment	116.2	120.8	119.7	125.9	131.5	142.0	152.2	162.4
Computer, electronic and optical products	274.9	250.0	244.1	256.8	249.3	253.6	279.5	295.7
Electrical equipment	188.2	208.1	210.7	214.5	209.6	222.3	213.6	218.3
Machinery and equipment not elsewhere classified	223.4	237.1	245.8	240.9	250.8	253.3	275.5	289.5
Motor vehicles, trailers and semi-trailers	230.0	347.8	361.1	295.8	310.0	332.7	339.7	370.2
Other transport equipment	211.1	222.2	208.9	190.7	187.8	209.5	205.9	210.0
Furniture	125.2	125.3	130.9	128.4	133.0	131.1	140.7	140.6
Other manufacturing	110.3	112.7	116.2	117.1	119.8	120.4	119.7	123.2
Repair and installation of machinery and equipment	171.7	184.3	187.3	196.2	214.3	240.6	236.5	278.6
Total value added	146.7	156.9	159.8	159.9	162.3	166.0	170.7	176.2

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Food products	8.1	3.7	-1.3	2.8	-0.8	1.5	0.6	6.8
Beverages	-0.5	18.6	4.4	1.8	4.0	-0.6	-0.3	-3.9
Tobacco products	4.1	-1.5	0.7	-3.3	-2.8	-9.1	-16.9	-16.7
Textiles	-16.7	-4.1	1.7	-0.8	-4.1	-3.7	-3.5	-3.5
Wearing apparel	-15.3	-8.4	-4.6	3.6	-1.6	-6.2	-2.7	3.3
Leather and related products	-2.0	-8.5	11.4	8.2	-5.7	4.1	4.4	1.8
Wood and products of wood and cork	9.3	2.0	4.3	9.6	0.7	8.0	7.2	-3.8
Paper and paper products	-3.5	1.5	-3.8	3.3	0.3	1.6	1.1	3.4
Printing and reproduction of recorded media	-4.6	-1.5	-2.5	-2.3	-5.0	-3.9	1.6	3.6
Coke and refined petroleum products	-13.4	4.6	2.9	3.1	8.0	0.9	4.9	4.2
Chemicals and chemical products	-5.1	7.2	6.4	1.6	4.7	3.2	4.6	4.3
Basic pharmaceutical products and pharmaceutical preparations	6.8	9.9	13.8	5.9	5.0	8.3	6.7	11.6
Rubber and plastics products	-4.4	13.4	4.1	1.7	6.1	2.6	8.6	-4.3
Non-metallic mineral products	0.0	9.0	5.2	-1.3	-3.2	-0.2	-0.6	2.7
Basic metals	-9.0	2.8	4.4	4.5	-1.3	6.0	4.4	1.3
Fabricated metal products, except machinery and equipment	2.0	4.0	-0.9	5.2	4.4	8.0	7.2	6.7
Computer, electronic and optical products	-21.1	-9.1	-2.3	5.2	-2.9	1.7	10.2	5.8
Electrical equipment	-0.5	10.5	1.3	1.8	-2.3	6.1	-3.9	2.2
Machinery and equipment not elsewhere classified	1.7	6.1	3.7	-2.0	4.1	1.0	8.8	5.1
Motor vehicles, trailers and semi-trailers	-9.4	51.3	3.8	-18.1	4.8	7.3	2.1	9.0
Other transport equipment	18.1	5.3	-6.0	-8.7	-1.5	11.6	-1.7	2.0
Furniture	-7.7	0.1	4.5	-1.9	3.6	-1.4	7.3	0.0
Other manufacturing	-1.5	2.1	3.1	0.8	2.3	0.5	-0.6	3.0
Repair and installation of machinery and equipment	13.4	7.3	1.6	4.8	9.2	12.2	-1.7	17.8
Total value added	-4.9	6.9	1.9	0.0	1.5	2.3	2.8	3.2

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Electric power generation, transmission and distribution	236,559	267,864	292,649	305,348	320,690	342,700	355,239	379,624
Manufacture of gas; distribution of gaseous fuels through ma	33,935	23,861	20,782	26,064	22,740	30,449	41,362	42,503
Total value added	270,494	291,725	313,431	331,412	343,430	373,149	396,601	422,127

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Electric power generation, transmission and distribution	219,491	243,655	240,846	247,987	258,484	264,148	267,419	274,591
Manufacture of gas; distribution of gaseous fuels through ma	14,543	15,272	13,719	14,351	16,107	18,290	19,758	19,426
Total value added	237,735	262,120	257,165	265,070	277,958	286,140	291,268	297,754

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Electric power generation, transmission and distribution	150.0	166.6	164.6	169.5	176.7	180.6	182.8	187.7
Manufacture of gas; distribution of gaseous fuels through ma	224.5	235.7	211.7	221.5	248.6	282.3	305.0	299.8
Total value added	155.6	171.6	168.3	173.5	181.9	187.3	190.7	194.9

**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							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Electric power generation, transmission and distribution	-0.2	11.0	-1.2	3.0	4.2	2.2	1.2	2.7
Manufacture of gas; distribution of gaseous fuels through ma	19.9	5.0	-10.2	4.6	12.2	13.6	8.0	-1.7
Total value added	1.3	10.3	-1.9	3.1	4.9	2.9	1.8	2.2

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Water collection and supply	32,792	35,219	39,409	41,824	43,758	45,243	48,981	49,961
Waste collection, treatment and disposal activities; materials recovery	5,500	6,669	8,200	9,898	11,575	13,386	15,259	17,722
Total value added	38,292	41,888	47,609	51,722	55,333	58,629	64,240	67,683

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Water collection and supply	28,309	30,021	31,183	31,024	33,296	35,039	36,415	37,469
Waste collection, treatment and disposal activities; materials recovery	5,024	6,125	7,650	9,058	10,520	12,218	13,739	15,743
Total value added	33,373	36,151	38,763	39,830	43,419	46,681	49,423	52,226

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)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Water collection and supply	118.0	125.2	130.0	129.3	138.8	146.1	151.8	156.2
Waste collection, treatment and disposal activities; materials recovery	170.2	207.5	259.1	306.8	356.4	413.9	465.4	533.3
Total value added	123.9	134.2	143.9	147.9	161.2	173.3	183.5	193.9

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							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Water collection and supply	-1.3	6.0	3.9	-0.5	7.3	5.2	3.9	2.9
Waste collection, treatment and disposal activities; materials recovery	-1.5	21.9	24.9	18.4	16.1	16.1	12.4	14.6
Total value added	-1.4	8.3	7.2	2.8	9.0	7.5	5.9	5.7

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Private construction	147,342	163,217	172,500	165,642	162,381	159,685	159,844	168,995
Public construction	159,280	177,739	172,286	171,401	217,559	240,736	234,876	241,805
Total value added	306,622	340,956	344,786	337,043	379,940	400,421	394,720	410,800

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Private construction	106,988	114,821	119,020	114,525	115,490	116,277	114,588	119,201
Public construction	110,862	120,308	115,572	114,325	151,730	172,086	165,169	167,419
Total value added	218,454	235,808	235,098	229,389	268,506	289,914	281,229	288,092

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Private construction	162.56	174.46	180.84	174.01	175.47	176.67	174.10	181.11
Public construction	109.87	119.23	114.54	113.30	150.37	170.55	163.69	165.92
Total value added	131.03	141.44	141.02	137.59	161.05	173.89	168.69	172.80

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Private construction	6.9	7.3	3.7	-3.8	0.8	0.7	-1.5	4.0
Public construction	-12.9	8.5	-3.9	-1.1	32.7	13.4	-4.0	1.4
Total value added	-4.3	7.9	-0.3	-2.4	17.1	8.0	-3.0	2.4

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Trade and repair of motor vehicles and motorcycles	143,287	174,191	165,227	154,973	157,198	170,759	186,286	209,450
Trade, except of motor vehicles and motorcycles	1,427,428	1,535,512	1,563,979	1,661,209	1,809,241	2,016,711	2,197,202	2,385,992
Total value added	1,570,715	1,709,703	1,729,206	1,816,182	1,966,439	2,187,470	2,383,488	2,595,442

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)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Trade and repair of motor vehicles and motorcycles	132,319	168,819	169,863	158,580	161,986	167,961	176,682	198,267
Trade, except of motor vehicles and motorcycles	1,074,546	1,106,475	1,115,297	1,113,335	1,178,681	1,253,750	1,334,760	1,416,518
Total value added	1,207,515	1,270,509	1,280,384	1,270,224	1,340,744	1,423,265	1,513,818	1,613,758

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)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Trade and repair of motor vehicles and motorcycles	153.2	195.4	196.6	183.6	187.5	194.4	204.5	229.5
Trade, except of motor vehicles and motorcycles	131.2	135.1	136.1	135.9	143.9	153.0	162.9	172.9
Total value added	133.3	140.3	141.4	140.3	148.1	157.2	167.2	178.2

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							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Trade and repair of motor vehicles and motorcycles	-5.6	27.6	0.6	-6.6	2.1	3.7	5.2	12.2
Trade, except of motor vehicles and motorcycles	0.6	3.0	0.8	-0.2	5.9	6.4	6.5	6.1
Total value added	0.0	5.2	0.8	-0.8	5.6	6.2	6.4	6.6

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Land transport and transport via pipelines	261,560	273,405	273,097	294,872	312,973	354,326	376,557	388,399
Water transport	115,418	119,717	127,987	135,351	147,693	151,455	154,986	159,474
Air transport	115,781	130,506	135,154	129,037	144,481	167,232	182,285	181,538
Warehousing and support activities for transportation	102,701	120,503	134,067	136,277	148,170	160,551	170,233	185,886
Postal and courier activities	21,010	22,200	23,298	25,044	25,818	31,037	34,661	39,336
Total value added	616,470	666,331	693,603	720,581	779,135	864,601	918,722	954,633

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Land transport and transport via pipelines	185,604	195,125	196,278	203,521	196,135	200,458	214,984	222,477
Water transport	92,391	95,798	101,382	107,924	114,690	119,060	120,210	125,429
Air transport	124,051	143,843	156,434	156,646	175,322	200,278	237,793	238,687
Warehousing and support activities for transportation	76,285	86,665	96,085	96,787	108,208	111,536	115,832	126,484
Postal and courier activities	14,482	15,694	16,619	17,800	17,742	20,283	22,136	24,938
Total value added	497,067	538,898	566,749	584,038	607,677	639,925	689,871	720,342

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Land transport and transport via pipelines	107.1	112.5	113.2	117.4	113.1	115.6	124.0	128.3
Water transport	189.0	196.0	207.4	220.8	234.6	243.5	245.9	256.6
Air transport	128.2	148.6	161.6	161.8	181.1	206.9	245.7	246.6
Warehousing and support activities for transportation	169.6	192.6	213.6	215.1	240.5	247.9	257.5	281.1
Postal and courier activities	161.0	174.5	184.8	197.9	197.2	225.5	246.1	277.2
Total value added	133.2	144.5	151.9	156.6	162.9	171.5	184.9	193.1

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Land transport and transport via pipelines	2.9	5.1	0.6	3.7	-3.6	2.2	7.2	3.5
Water transport	4.5	3.7	5.8	6.5	6.3	3.8	1.0	4.3
Air transport	-3.1	16.0	8.8	0.1	11.9	14.2	18.7	0.4
Warehousing and support activities for transportation	2.3	13.6	10.9	0.7	11.8	3.1	3.9	9.2
Postal and courier activities	-4.5	8.4	5.9	7.1	-0.3	14.3	9.1	12.7
Total value added	1.6	8.4	5.2	3.1	4.0	5.3	7.8	4.4

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Accommodation	141,309	172,636	203,553	207,497	265,728	311,840	367,950	417,687
Food and beverage service activities	208,214	240,655	269,375	290,280	334,490	385,096	449,152	501,815
Total value added	349,523	413,291	472,928	497,777	600,218	696,936	817,102	919,502

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Accommodation	139,677	172,439	194,769	201,348	244,609	265,250	291,065	312,278
Food and beverage service activities	197,092	212,350	228,004	232,125	256,214	281,640	314,287	339,091
Total value added	336,294	383,693	420,918	431,370	496,112	542,082	600,407	646,158

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Accommodation	175.4	216.6	244.6	252.9	307.2	333.1	365.5	392.2
Food and beverage service activities	143.6	154.8	166.2	169.2	186.7	205.2	229.0	247.1
Total value added	155.1	176.9	194.1	198.9	228.8	250.0	276.9	298.0

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Accommodation	28.7	23.5	12.9	3.4	21.5	8.4	9.7	7.3
Food and beverage service activities	3.1	7.7	7.4	1.8	10.4	9.9	11.6	7.9
Total value added	12.3	14.1	9.7	2.5	15.0	9.3	10.8	7.6

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Publishing activities	12,630	13,537	14,417	14,455	16,397	17,444	15,973	14,725
Motion picture, video and television programme production, sound recording and music publishing activities	6,086	6,633	7,454	7,645	8,630	8,753	8,835	9,058
Programming and broadcasting activities	24,581	24,886	27,614	27,594	27,844	27,226	27,572	27,679
Telecommunications	145,076	157,798	164,889	166,270	179,459	183,876	202,796	221,053
Computer programming, consultancy and related activities	52,612	60,609	74,194	82,788	92,047	96,761	103,568	108,876
Information service activities	1,831	1,776	2,286	2,675	3,017	3,464	3,881	4,652
Total value added	242,816	265,239	290,854	301,427	327,394	337,524	362,625	386,043

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Publishing activities	12,550	12,474	12,875	12,862	14,503	15,400	14,222	13,337
Motion picture, video and television programme production, sound recording and music publishing activities	4,494	4,778	5,351	5,431	6,151	6,162	6,194	6,324
Programming and broadcasting activities	18,578	18,244	19,823	19,449	19,810	19,334	19,430	19,308
Telecommunications	277,532	307,507	325,932	342,511	376,620	381,921	399,948	446,376
Computer programming, consultancy and related activities	40,639	45,260	54,259	59,445	66,716	70,002	74,354	77,371
Information service activities	1,412	1,326	1,670	1,919	2,185	2,503	2,783	3,303
Total value added	338,732	368,592	403,823	425,195	468,111	479,355	499,131	536,958

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)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Publishing activities	116.9	116.2	119.9	119.8	135.1	143.5	132.5	124.2
Motion picture, video and television programme production, sound recording and music publishing activities	96.6	102.8	115.1	116.8	132.3	132.5	133.2	136.0
Programming and broadcasting activities	125.2	123.0	133.6	131.1	133.5	130.3	131.0	130.2
Telecommunications	286.2	317.1	336.1	353.2	388.4	393.9	412.5	460.4
Computer programming, consultancy and related activities	295.0	328.6	393.9	431.5	484.3	508.2	539.8	561.7
Information service activities	188.3	176.8	222.7	255.9	291.3	333.7	371.1	440.4
Total value added	239.0	260.1	285.0	300.1	330.3	338.3	352.2	378.9

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Publishing activities	2.7	-0.6	3.2	-0.1	12.8	6.2	-7.6	-6.2
Motion picture, video and television programme production, sound recording and music publishing activities	6.3	6.3	12.0	1.5	13.3	0.2	0.5	2.1
Programming and broadcasting activities	5.0	-1.8	8.7	-1.9	1.9	-2.4	0.5	-0.6
Telecommunications	7.9	10.8	6.0	5.1	10.0	1.4	4.7	11.6
Computer programming, consultancy and related activities	13.5	11.4	19.9	9.6	12.2	4.9	6.2	4.1
Information service activities	11.8	-6.1	25.9	14.9	13.9	14.6	11.2	18.7
Total value added	8.4	8.8	9.6	5.3	10.1	2.4	4.1	7.6

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Financial service activities	522,075	605,715	694,738	766,535	825,928	872,181	913,276	946,865
Insurance, reinsurance and pension funding	94,181	109,289	133,372	154,535	171,974	204,447	216,620	234,088
Activities auxiliary to financial service and insurance activities	28,426	29,611	43,267	40,190	40,049	44,395	48,161	53,547
Total value added	644,682	744,615	871,377	961,260	1,037,951	1,121,023	1,178,057	1,234,500

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Financial service activities	333,645	389,034	426,102	455,833	492,211	513,859	547,743	560,074
Insurance, reinsurance and pension funding	71,373	80,302	96,031	110,514	124,138	147,337	154,893	165,633
Activities auxiliary to financial service and insurance activities	21,543	21,758	31,145	28,734	28,901	31,985	34,428	37,878
Total value added	432,403	498,628	560,159	602,101	652,498	698,226	742,692	768,167

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Financial service activities	160.53	187.18	205.02	219.32	236.83	247.24	263.55	269.48
Insurance, reinsurance and pension funding	136.01	153.03	183.00	210.60	236.57	280.78	295.17	315.64
Activities auxiliary to financial service and insurance activities	132.11	133.43	190.99	176.21	177.23	196.14	211.12	232.28
Total value added	156.32	180.26	202.50	217.67	235.88	252.42	268.49	277.70

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Financial service activities	6.6	16.6	9.5	7.0	8.0	4.4	6.6	2.3
Insurance, reinsurance and pension funding	5.1	12.5	19.6	15.1	12.3	18.7	5.1	6.9
Activities auxiliary to financial service and insurance activities	1.8	1.0	43.1	-7.7	0.6	10.7	7.6	10.0
Total value added	6.1	15.3	12.3	7.5	8.4	7.0	6.4	3.4

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Real estate activities with own or leased property	272,667	279,198	280,267	288,137	296,728	317,075	339,201	359,770
Real estate activities on a fee or contract basis	33,507	38,572	38,788	36,453	35,760	37,532	38,150	41,232
Total value added	306,174	317,770	319,055	324,590	332,488	354,607	377,351	401,002

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Real estate activities with own or leased property	291,938	297,340	301,213	311,926	317,662	340,417	364,172	384,471
Real estate activities on a fee or contract basis	25,879	28,800	28,483	26,360	26,056	27,621	28,389	30,401
Total value added	319,237	328,441	331,765	339,124	344,220	368,449	392,523	415,003

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Real estate activities with own or leased property	135.0	137.5	139.3	144.3	146.9	157.5	168.4	177.8
Real estate activities on a fee or contract basis	187.0	208.1	205.8	190.4	188.3	199.6	205.1	219.6
Total value added	138.8	142.8	144.2	147.4	149.6	160.2	170.6	180.4

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Real estate activities with own or leased property	1.8	1.9	1.3	3.6	1.8	7.2	7.0	5.6
Real estate activities on a fee or contract basis	21.3	11.3	-1.1	-7.5	-1.2	6.0	2.8	7.1
Total value added	3.5	2.9	1.0	2.2	1.5	7.0	6.5	5.7

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Legal and accounting activities	11,009	11,368	11,202	12,464	13,476	14,559	15,499	16,078
Activities of head offices; management consultancy activities	151,467	176,407	185,227	185,916	178,109	173,893	188,047	198,127
Architectural and engineering activities; technical testing and a	14,454	16,975	17,098	16,647	17,120	17,120	17,927	18,424
Scientific research and development	13,525	26,137	25,809	25,370	24,198	23,602	26,150	26,888
Advertising and market research	11,491	12,354	12,907	13,398	13,496	13,058	14,046	14,197
Other professional, scientific and technical activities	12,185	15,158	14,292	13,444	14,371	12,338	12,039	11,354
Veterinary activities	307	386	391	506	620	733	927	1,117
Total value added	214,438	258,785	266,926	267,745	261,390	255,303	274,635	286,185

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Legal and accounting activities	8,504	8,489	8,235	9,023	9,859	10,657	11,182	11,490
Activities of head offices; management consultancy activities	116,997	131,730	136,107	134,535	130,239	127,224	135,607	141,510
Architectural and engineering activities; technical testing and a	11,164	12,676	12,560	12,044	12,516	12,521	12,923	13,156
Scientific research and development	10,458	19,538	18,975	18,369	17,705	17,278	18,869	19,216
Advertising and market research	8,873	9,222	9,486	9,697	9,871	9,555	10,131	10,142
Other professional, scientific and technical activities	17,586	22,686	22,103	21,050	22,254	19,261	18,824	17,990
Veterinary activities	281	350	356	456	551	647	808	965
Total value added	171,610	201,072	204,638	202,429	199,458	194,983	206,887	213,726

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Legal and accounting activities	124.1	123.8	120.1	131.6	143.8	155.5	163.1	167.6
Activities of head offices; management consultancy activities	157.9	177.7	183.6	181.5	175.7	171.7	183.0	190.9
Architectural and engineering activities; technical testing and a	185.2	210.3	208.4	199.8	207.6	207.7	214.4	218.2
Scientific research and development	2,538.3	4,742.2	4,605.6	4,458.5	4,297.3	4,193.7	4,579.9	4,664.1
Advertising and market research	145.7	151.4	155.7	159.2	162.1	156.9	166.3	166.5
Other professional, scientific and technical activities	407.4	525.5	512.0	487.6	515.5	446.2	436.0	416.7
Veterinary activities	186.1	231.8	235.8	302.0	364.9	428.5	535.1	639.1
Total value added	175.2	205.2	208.9	206.6	203.6	199.0	211.2	218.2

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Legal and accounting activities	7.9	-0.2	-3.0	9.6	9.3	8.1	4.9	2.8
Activities of head offices; management consultancy activities	0.8	12.6	3.3	-1.2	-3.2	-2.3	6.6	4.4
Architectural and engineering activities; technical testing and a	13.4	13.5	-0.9	-4.1	3.9	0.0	3.2	1.8
Scientific research and development	118.8	86.8	-2.9	-3.2	-3.6	-2.4	9.2	1.8
Advertising and market research	5.9	3.9	2.9	2.2	1.8	-3.2	6.0	0.1
Other professional, scientific and technical activities	10.0	29.0	-2.6	-4.8	5.7	-13.4	-2.3	-4.4
Veterinary activities	17.1	24.6	1.7	28.1	20.8	17.4	24.9	19.4
Total value added	6.4	17.2	1.8	-1.1	-1.5	-2.2	6.1	3.3

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Rental and leasing activities	67,192	78,521	80,993	75,325	74,741	73,765	73,279	76,279
Employment activities	7,547	9,414	10,021	10,262	11,396	11,953	12,362	12,661
Travel agency, tour operator, reservation service and related activities	28,025	33,251	37,159	37,028	40,672	44,212	51,476	56,635
Security and investigation activities	9,407	11,259	12,031	12,689	13,931	14,843	15,337	15,931
Services to buildings and landscape activities	13,830	15,449	16,633	17,035	17,712	18,875	19,547	20,262
Office administrative, office support and other business support activities	63,204	80,047	77,589	79,157	78,574	77,158	78,666	80,399
Total value added	189,205	227,941	234,426	231,496	237,026	240,806	250,667	262,167

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Rental and leasing activities	51,901	58,634	59,506	54,507	54,668	53,959	52,834	54,446
Employment activities	5,830	7,030	7,368	7,431	8,341	8,750	8,919	9,129
Travel agency, tour operator, reservation service and related activities	18,495	21,228	23,250	22,709	25,296	27,332	31,262	33,815
Security and investigation activities	7,263	8,403	8,840	9,183	10,190	10,859	11,059	11,372
Services to buildings and landscape activities	10,672	11,522	12,214	12,324	12,952	13,804	14,090	14,459
Office administrative, office support and other business support activities	48,816	59,770	57,036	57,313	57,505	56,473	56,749	57,419
Total value added	142,970	166,525	168,445	163,710	169,527	172,053	176,406	182,462

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Rental and leasing activities	136.3	154.0	156.3	143.2	143.6	141.7	138.8	143.0
Employment activities	288.5	347.8	364.6	367.7	412.7	433.0	441.3	451.7
Travel agency, tour operator, reservation service and related activities	122.8	141.0	154.4	150.8	168.0	181.5	207.6	224.6
Security and investigation activities	240.3	278.1	292.5	303.9	337.2	359.3	365.9	376.3
Services to buildings and landscape activities	163.7	176.7	187.3	189.0	198.7	211.7	216.1	221.8
Office administrative, office support and other business support activities	154.0	188.5	179.9	180.8	181.4	178.1	179.0	181.1
Total value added	148.3	172.7	174.7	169.8	175.9	178.5	183.0	189.3

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Rental and leasing activities	9.7	13.0	1.5	-8.4	0.3	-1.3	-2.1	3.1
Employment activities	23.9	20.6	4.8	0.9	12.2	4.9	1.9	2.4
Travel agency, tour operator, reservation service and related activities	11.2	14.8	9.5	-2.3	11.4	8.0	14.4	8.2
Security and investigation activities	12.4	15.7	5.2	3.9	11.0	6.6	1.8	2.8
Services to buildings and landscape activities	8.0	8.0	6.0	0.9	5.1	6.6	2.1	2.6
Office administrative, office support and other business support activities	-2.0	22.4	-4.6	0.5	0.3	-1.8	0.5	1.2
Total value added	6.1	16.5	1.2	-2.8	3.6	1.5	2.5	3.4

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Creative, arts and entertainment activities	1,627	1,870	2,129	2,020	2,205	2,117	2,138	2,183
Libraries, archives, museums and other cultural activities	215	261	267	324	387	415	430	414
Gambling and betting activities	31,765	38,184	38,867	38,713	38,570	48,194	57,255	66,911
Sport activities and amusement and recreation activities	17,049	20,042	24,159	24,583	28,983	30,430	31,247	32,905
Total value added	50,656	60,357	65,422	65,640	70,145	81,156	91,070	102,413

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Creative, arts and entertainment activities	1,565	1,794	2,043	1,932	2,106	2,021	2,040	2,081
Libraries, archives, museums and other cultural activities	271	324	325	399	467	498	520	508
Gambling and betting activities	24,009	27,995	27,888	27,266	28,561	38,506	45,430	52,540
Sport activities and amusement and recreation activities	23,821	29,014	36,010	37,706	43,799	46,162	47,860	51,162
Total value added	47,530	56,228	60,845	61,046	66,670	80,860	90,647	101,743

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Creative, arts and entertainment activities	250.8	287.5	327.4	309.6	337.5	323.9	326.9	333.5
Libraries, archives, museums and other cultural activities	79.7	95.3	95.6	117.4	137.4	146.5	152.9	149.4
Gambling and betting activities	191.0	222.7	221.8	216.9	227.2	306.3	361.3	417.9
Sport activities and amusement and recreation activities	231.2	281.6	349.5	365.9	425.1	448.0	464.5	496.5
Total value added	199.4	235.8	255.2	256.1	279.6	339.2	380.2	426.8

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Creative, arts and entertainment activities	16.8	14.6	13.9	-5.4	9.0	-4.0	0.9	2.0
Libraries, archives, museums and other cultural activities	11.5	19.6	0.3	22.8	17.0	6.6	4.4	-2.3
Gambling and betting activities	15.1	16.6	-0.4	-2.2	4.7	34.8	18.0	15.7
Sport activities and amusement and recreation activities	9.7	21.8	24.1	4.7	16.2	5.4	3.7	6.9
Total value added	13.2	18.3	8.2	0.3	9.2	21.3	12.1	12.2

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Activities of membership organizations	20,652	25,008	27,297	28,086	28,759	29,155	30,280	31,779
Repair of computers and personal and household goods	64,789	75,152	79,556	82,241	83,900	88,031	94,195	99,520
Other personal service activities	56,627	62,556	68,455	71,230	73,010	76,512	79,959	84,997
Total value added	142,068	162,716	175,308	181,557	185,669	193,698	204,434	216,296

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Activities of membership organizations	15,565	18,297	19,540	19,730	20,391	20,630	21,283	22,102
Repair of computers and personal and household goods	51,039	58,005	60,469	61,927	64,176	67,661	72,044	74,657
Other personal service activities	44,705	48,309	51,953	53,278	54,492	56,211	58,196	61,244
Total value added	111,664	125,052	132,434	135,403	139,542	144,950	151,931	158,449

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Activities of membership organizations	181.9	213.8	228.4	230.6	238.3	241.1	248.7	258.3
Repair of computers and personal and household goods	190.6	216.7	225.9	231.3	239.7	252.7	269.1	278.9
Other personal service activities	89.4	96.6	103.9	106.5	109.0	112.4	116.4	122.5
Total value added	130.8	146.5	155.2	158.7	163.5	169.9	178.0	185.7

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

	Percent							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Activities of membership organizations	6.6	17.6	6.8	1.0	3.4	1.2	3.2	3.8
Repair of computers and personal and household goods	10.3	13.6	4.2	2.4	3.6	5.4	6.5	3.6
Other personal service activities	3.6	8.1	7.5	2.6	2.3	3.2	3.5	5.2
Total value added	7.0	12.0	5.9	2.2	3.1	3.9	4.8	4.3

Gross Domestic Product
(Expenditure)

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

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Individual consumption expenditure of households	6,476,051	7,117,384	7,502,260	7,643,855	7,960,248	8,311,026	8,812,313	9,235,886
Food and non-alcoholic	1,726,426	1,800,731	1,858,282	1,917,188	1,961,940	2,038,672	2,061,406	2,090,298
<i>Food</i>	<i>1,513,100</i>	<i>1,568,172</i>	<i>1,616,657</i>	<i>1,669,734</i>	<i>1,710,676</i>	<i>1,784,477</i>	<i>1,804,993</i>	<i>1,823,568</i>
Bread and cereals	334,982	359,854	361,517	376,621	380,171	387,110	386,122	394,249
Meat	188,477	182,280	194,167	212,389	215,353	221,986	222,618	218,083
Fish	189,259	194,336	202,566	195,350	199,793	208,266	215,204	215,800
Milk, cheese and eggs	128,819	126,582	141,814	144,778	140,695	147,765	151,743	154,988
Oil and fat	82,162	85,604	85,098	91,302	89,637	83,462	85,255	82,733
Fruit	133,727	147,069	153,732	158,888	163,158	171,016	178,307	187,946
Vegetables	355,753	369,611	372,524	380,903	408,782	449,152	446,836	446,889
Sugar, jam, honey, chocolate and confectionery	47,194	49,568	51,098	52,807	53,958	53,915	54,987	55,660
Food products n.e.c.	52,727	53,268	54,141	56,696	59,129	61,805	63,921	67,220
Non-alcoholic beverages	213,326	232,559	241,625	247,454	251,264	254,195	256,413	266,730
Alcoholic beverages, tobacco and narcotic	235,457	249,956	255,988	264,832	270,515	281,891	287,214	289,185
Alcoholic beverages	160,724	174,266	172,575	178,588	184,085	181,524	180,667	176,742
Tobacco	74,733	75,690	83,413	86,244	86,430	100,367	106,547	112,443
Clothing and footwear	329,516	337,151	333,514	333,965	348,188	363,489	371,511	382,354
Clothing	303,322	310,476	304,331	303,211	315,305	329,545	336,975	347,092
Footwear	26,194	26,675	29,183	30,754	32,883	33,944	34,536	35,262
Housing, water, electricity, gas and other fuels	559,203	620,357	646,148	687,411	718,918	737,331	767,857	801,132
Housing and water	408,547	429,903	441,515	465,375	491,096	513,093	543,824	567,789
Electricity, gas and other fuels	150,656	190,454	204,633	222,036	227,822	224,238	224,033	233,343
Furnishings, households equipment and routine maintenance of the house	283,522	307,570	308,190	318,740	332,920	334,813	342,831	359,950
Furniture and furnishings, carpets and other floor covering	23,916	25,215	25,390	25,469	26,686	26,572	27,117	28,796
Households equipment and routine maintenance of the house	259,606	282,355	282,800	293,271	306,234	308,241	315,714	331,154
Health	296,608	310,393	329,353	343,909	358,763	378,323	393,782	414,681
Transport	1,015,093	1,235,889	1,265,225	1,129,091	1,065,411	1,069,580	1,191,980	1,298,588
Purchase of vehicles	312,060	484,882	480,754	331,077	302,467	307,901	369,883	420,017
Operation of personal transport equipment	387,606	426,781	447,849	456,596	408,970	407,185	452,859	494,305
Transport services	315,427	324,226	336,622	341,418	353,974	354,494	369,238	384,266
Communication	139,026	150,069	155,176	156,451	162,153	165,564	175,326	184,008
Recreation and culture	311,765	356,053	383,395	386,418	393,524	454,055	486,072	513,513
Audio-visual, photographic and information processing equipment	76,954	88,385	88,017	87,343	73,874	73,517	78,869	78,927
Other recreation and entertainment	184,951	213,686	237,113	239,975	262,387	325,478	354,117	381,732
Newspaper, books and stationery	49,860	53,982	58,265	59,100	57,263	55,060	53,086	52,854
Education	88,971	88,651	94,398	95,462	101,379	105,648	110,988	117,826
Restaurants and hotels	836,762	925,390	1,058,545	1,120,131	1,278,216	1,355,958	1,538,632	1,631,582
Miscellaneous goods and services	653,702	735,174	814,046	890,257	968,321	1,025,702	1,084,714	1,152,769
Personal care	121,559	131,241	140,988	153,215	169,966	176,784	189,010	194,436
Personal effects n.e.c.	142,000	154,313	163,120	182,164	214,836	238,174	258,206	280,423
Financial services	295,487	346,828	400,997	441,114	465,898	489,394	504,950	538,093
Other services n.e.c.	94,656	102,792	108,941	113,764	117,621	121,350	132,548	139,817
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	112,359	122,135	132,065	144,252	144,725	145,949	149,530	152,837
Health, education, and social protection	64,454	67,757	72,135	77,503	77,342	77,148	82,240	84,225
Other services n.e.c.	47,905	54,378	59,930	66,749	67,383	68,801	67,290	68,612
Private final consumption expenditure in the domestic market	6,588,410	7,239,519	7,634,325	7,788,107	8,104,973	8,456,975	8,961,843	9,388,723
Plus : Expenditure of residents abroad	156,957	186,322	188,700	215,003	239,935	290,023	321,458	353,053
Less : Expenditure of non-residents in the country	757,123	843,281	1,035,821	1,044,473	1,288,103	1,450,311	1,703,558	1,739,056
Private final consumption expenditure	5,988,244	6,582,560	6,787,204	6,958,637	7,056,805	7,296,687	7,579,743	8,002,720

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

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Individual consumption expenditure of households	4,787,151	5,141,167	5,308,082	5,306,409	5,574,363	5,790,263	6,096,121	6,332,611
Food and non-alcoholic	900,363	904,120	895,137	902,910	922,877	942,830	964,756	985,376
<i>Food</i>	724,287	721,116	709,685	715,023	732,320	750,117	769,323	784,655
Bread and cereals	170,111	171,541	171,841	177,905	179,856	183,788	185,854	186,585
Meat	112,088	111,234	110,768	112,225	116,748	119,880	123,366	123,639
Fish	120,038	116,980	108,242	97,869	98,943	100,143	101,296	101,412
Milk, cheese and eggs	84,416	83,863	88,994	89,645	90,029	92,279	95,922	98,059
Oil and fat	41,296	42,851	43,773	46,570	47,019	44,770	46,171	48,872
Fruit	44,315	43,677	43,029	43,964	44,704	45,035	47,157	50,839
Vegetables	96,571	96,119	91,233	92,796	97,560	103,191	106,574	108,589
Sugar, jam, honey, chocolate and confectionery	32,985	32,157	32,549	32,050	32,059	31,656	32,152	31,656
Food products n.e.c.	41,563	41,048	41,490	42,138	43,484	44,739	45,039	47,733
Non-alcoholic beverages	186,507	198,597	204,546	207,912	209,597	210,302	211,727	218,404
Alcoholic beverages, tobacco and narcotic	208,220	214,424	208,513	204,218	207,397	200,544	199,362	195,512
Alcoholic beverages	150,952	159,802	151,743	145,087	147,805	142,333	141,438	137,816
Tobacco	56,608	54,785	56,158	57,704	58,224	56,794	56,500	56,012
Clothing and footwear	301,228	300,378	290,835	284,688	288,308	295,285	301,711	305,382
Clothing	273,580	272,580	261,070	253,849	255,767	262,045	267,815	270,849
Footwear	28,364	28,558	31,126	32,586	34,659	35,382	36,064	36,798
Housing, water, electricity, gas and other fuels	522,510	564,773	574,489	595,425	623,709	650,267	677,513	699,019
Housing and water	403,902	422,150	430,276	449,072	467,212	486,142	512,480	532,192
Electricity, gas and other fuels	117,759	138,686	140,431	143,354	152,299	159,461	161,663	164,157
Furnishings, households equipment and routine maintenance of the house	269,523	288,697	287,094	292,501	301,948	303,081	312,366	328,195
Furniture and furnishings, carpets and other floor covering	24,717	25,685	26,116	25,748	26,629	26,326	27,388	29,416
Households equipment and routine maintenance of the house	244,258	262,354	260,374	266,047	274,595	275,988	284,212	298,044
Health	275,700	288,922	304,290	313,074	323,326	338,618	349,200	367,556
Transport	665,149	796,273	804,490	713,461	735,203	767,245	830,608	879,799
Purchase of vehicles	287,700	448,379	435,114	293,513	266,130	270,020	323,504	366,267
Operation of personal transport equipment	175,785	184,870	191,618	195,025	214,534	229,941	235,893	240,084
Transport services	222,048	226,127	234,163	237,871	251,541	260,525	272,875	282,964
Communication	178,372	185,408	196,805	217,781	231,361	236,490	250,854	263,036
Recreation and culture	302,730	341,943	366,552	365,174	372,687	433,406	462,654	487,752
Audio-visual, photographic and information processing equipment	89,483	100,356	99,558	98,379	82,794	81,825	87,695	88,342
Other recreation and entertainment	166,574	191,454	211,125	210,888	232,316	291,970	315,183	338,716
Newspaper, books and stationery	45,901	49,037	53,009	52,888	50,565	48,448	48,000	47,409
Education	85,593	85,247	90,151	90,239	94,088	95,519	98,168	103,210
Restaurants and hotels	655,770	712,109	794,734	814,304	915,296	964,207	1,066,212	1,110,204
Miscellaneous goods and services	465,241	513,986	570,631	610,495	669,403	692,619	731,089	772,690
Personal care	103,318	109,501	116,208	124,399	136,415	140,568	149,703	152,574
Personal effects n.e.c.	80,989	86,384	95,776	106,483	131,051	135,051	146,752	162,358
Financial services	206,033	238,546	274,577	292,371	307,454	319,563	329,049	345,238
Other services n.e.c.	71,375	75,241	78,037	79,977	84,419	86,931	94,324	98,449
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	85,648	90,374	95,631	102,512	101,973	103,575	105,411	106,572
Health, education, and social protection	49,131	50,136	52,234	55,077	54,784	55,040	58,282	59,040
Other services n.e.c.	36,518	40,239	43,399	47,438	47,193	48,531	47,151	47,556
Private final consumption expenditure in the domestic market	4,872,696	5,231,478	5,403,594	5,408,647	5,676,178	5,893,687	6,201,438	6,439,139
Plus : Expenditure of residents abroad	125,791	145,124	143,833	160,884	181,197	218,528	240,633	261,521
Less : Expenditure of non-residents in the country	617,383	674,573	813,539	808,294	987,273	1,107,337	1,294,919	1,314,275
Private final consumption expenditure	4,392,805	4,714,916	4,759,900	4,785,278	4,909,814	5,051,305	5,207,242	5,444,906

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)

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Individual consumption expenditure of households	142.9	153.4	158.4	158.4	166.4	172.8	181.9	189.0
Food and non-alcoholic	124.4	124.9	123.7	124.7	127.5	130.2	133.3	136.1
<i>Food</i>	117.6	117.1	115.2	116.1	118.9	121.8	124.9	127.4
Bread and cereals	114.4	115.4	115.6	119.7	121.0	123.6	125.0	125.5
Meat	129.4	128.4	127.9	129.5	134.8	138.4	142.4	142.7
Fish	152.2	148.3	137.3	124.1	125.5	127.0	128.5	128.6
Milk, cheese and eggs	118.4	117.7	124.9	125.8	126.3	129.5	134.6	137.6
Oil and fat	197.8	205.2	209.6	223.0	225.2	214.4	221.1	234.0
Fruit	81.3	80.2	79.0	80.7	82.1	82.7	86.6	93.3
Vegetables	110.2	109.7	104.1	105.9	111.3	117.8	121.6	123.9
Sugar, jam, honey, chocolate and confectionery	127.3	124.1	125.7	123.7	123.8	122.2	124.1	122.2
Food products n.e.c.	99.9	98.7	99.7	101.3	104.5	107.6	108.3	114.8
Non-alcoholic beverages	172.6	183.8	189.3	192.4	194.0	194.6	196.0	202.1
Alcoholic beverages, tobacco and narcotic	121.1	124.7	121.2	118.8	120.6	116.6	115.9	113.7
Alcoholic beverages	130.8	138.5	131.5	125.7	128.1	123.3	122.6	119.4
Tobacco	100.1	96.8	99.3	102.0	102.9	100.4	99.9	99.0
Clothing and footwear	126.8	126.4	122.4	119.8	121.3	124.3	127.0	128.5
Clothing	123.8	123.4	118.2	114.9	115.8	118.6	121.2	122.6
Footwear	169.7	170.9	186.2	195.0	207.4	211.7	215.8	220.1
Housing, water, electricity, gas and other fuels	137.5	148.6	151.2	156.7	164.1	171.1	178.3	183.9
Housing and water	136.6	142.7	145.5	151.8	158.0	164.4	173.3	179.9
Electricity, gas and other fuels	139.8	164.6	166.7	170.2	180.8	189.3	191.9	194.9
Furnishings, households equipment and routine maintenance of the house	173.6	185.9	184.9	188.4	194.5	195.2	201.2	211.4
Furniture and furnishings, carpets and other floor covering	92.0	95.6	97.2	95.8	99.1	98.0	101.9	109.5
Households equipment and routine maintenance of the house	190.2	204.3	202.8	207.2	213.9	215.0	221.4	232.1
Health	175.0	183.4	193.1	198.7	205.2	214.9	221.6	233.3
Transport	146.0	174.8	176.6	156.6	161.4	168.4	182.3	193.1
Purchase of vehicles	220.1	343.0	332.8	224.5	203.6	206.5	247.4	280.2
Operation of personal transport equipment	110.9	116.6	120.9	123.0	135.4	145.1	148.8	151.5
Transport services	133.5	135.9	140.8	143.0	151.2	156.6	164.0	170.1
Communication	196.6	204.4	217.0	240.1	255.0	260.7	276.5	290.0
Recreation and culture	169.2	191.2	204.9	204.2	208.4	242.3	258.6	272.7
Audio-visual, photographic and information processing equipment	140.6	157.7	156.5	154.6	130.1	128.6	137.8	138.9
Other recreation and entertainment	197.3	226.8	250.1	249.8	275.2	345.9	373.4	401.2
Newspaper, books and stationery	148.9	159.0	171.9	171.5	164.0	157.1	155.7	153.8
Education	150.4	149.8	158.4	158.6	165.4	167.9	172.5	181.4
Restaurants and hotels	152.8	165.9	185.2	189.7	213.3	224.7	248.4	258.7
Miscellaneous goods and services	148.7	164.2	182.3	195.1	213.9	221.3	233.6	246.9
Personal care	159.9	169.5	179.9	192.5	211.1	217.6	231.7	236.1
Personal effects n.e.c.	160.7	171.4	190.0	211.3	260.0	267.9	291.2	322.1
Financial services	157.4	182.3	209.8	223.4	234.9	244.2	251.4	263.8
Other services n.e.c.	106.4	112.2	116.4	119.3	125.9	129.6	140.7	146.8
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	149.4	157.7	166.8	178.8	177.9	180.7	183.9	185.9
Health, education, and social protection	113.9	116.2	121.1	127.7	127.0	127.6	135.1	136.8
Other services n.e.c.	257.7	283.9	306.2	334.7	333.0	342.4	332.7	335.5
Private final consumption expenditure in the domestic market	143.0	153.5	158.6	158.7	166.6	172.9	182.0	188.9
Plus : Expenditure of residents abroad	110.7	127.7	126.5	141.5	159.4	192.2	211.7	230.1
Less : Expenditure of non-residents in the country	198.9	217.4	262.1	260.4	318.1	356.8	417.3	423.5
Private final consumption expenditure	136.8	146.8	148.2	149.0	152.9	157.3	162.2	169.6

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

							Percent	Percent
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Individual consumption expenditure of households	4.3	7.4	3.2	0.0	5.0	3.9	5.3	3.9
Food and non-alcoholic	0.8	0.4	-1.0	0.9	2.2	2.2	2.3	2.1
<i>Food</i>	<i>0.8</i>	<i>-0.4</i>	<i>-1.6</i>	<i>0.8</i>	<i>2.4</i>	<i>2.4</i>	<i>2.6</i>	<i>2.0</i>
Bread and cereals	1.6	0.8	0.2	3.5	1.1	2.2	1.1	0.4
Meat	0.6	-0.8	-0.4	1.3	4.0	2.7	2.9	0.2
Fish	5.2	-2.5	-7.5	-9.6	1.1	1.2	1.2	0.1
Milk, cheese and eggs	-4.0	-0.7	6.1	0.7	0.4	2.5	3.9	2.2
Oil and fat	14.4	3.8	2.2	6.4	1.0	-4.8	3.1	5.8
Fruit	-3.2	-1.4	-1.5	2.2	1.7	0.7	4.7	7.8
Vegetables	-0.7	-0.5	-5.1	1.7	5.1	5.8	3.3	1.9
Sugar, jam, honey, chocolate and confectionery	-3.7	-2.5	1.2	-1.5	0.0	-1.3	1.6	-1.5
Food products n.e.c.	1.1	-1.2	1.1	1.6	3.2	2.9	0.7	6.0
Non-alcoholic beverages	1.1	6.5	3.0	1.6	0.8	0.3	0.7	3.2
Alcoholic beverages, tobacco and narcotic	-0.9	3.0	-2.8	-2.1	1.6	-3.3	-0.6	-1.9
Alcoholic beverages	-2.6	5.9	-5.0	-4.4	1.9	-3.7	-0.6	-2.6
Tobacco	3.0	-3.2	2.5	2.8	0.9	-2.5	-0.5	-0.9
Clothing and footwear	3.2	-0.3	-3.2	-2.1	1.3	2.4	2.2	1.2
Clothing	2.7	-0.4	-4.2	-2.8	0.8	2.5	2.2	1.1
Footwear	9.6	0.7	9.0	4.7	6.4	2.1	1.9	2.0
Housing, water, electricity, gas and other fuels	2.8	8.1	1.7	3.6	4.8	4.3	4.2	3.2
Housing and water	3.3	4.5	1.9	4.4	4.0	4.1	5.4	3.8
Electricity, gas and other fuels	1.2	17.8	1.3	2.1	6.2	4.7	1.4	1.5
Furnishings, households equipment and routine maintenance of the house	8.6	7.1	-0.6	1.9	3.2	0.4	3.1	5.1
Furniture and furnishings, carpets and other floor covering	-2.4	3.9	1.7	-1.4	3.4	-1.1	4.0	7.4
Households equipment and routine maintenance of the house	9.7	7.4	-0.8	2.2	3.2	0.5	3.0	4.9
Health	15.0	4.8	5.3	2.9	3.3	4.7	3.1	5.3
Transport	1.8	19.7	1.0	-11.3	3.0	4.4	8.3	5.9
Purchase of vehicles	7.2	55.8	-3.0	-32.5	-9.3	1.5	19.8	13.2
Operation of personal transport equipment	-3.7	5.2	3.7	1.8	10.0	7.2	2.6	1.8
Transport services	3.2	1.8	3.6	1.6	5.7	3.6	4.7	3.7
Communication	6.2	3.9	6.1	10.7	6.2	2.2	6.1	4.9
Recreation and culture	9.9	13.0	7.2	-0.4	2.1	16.3	6.7	5.4
Audio-visual, photographic and information processing equipment	7.9	12.2	-0.8	-1.2	-15.8	-1.2	7.2	0.7
Other recreation and entertainment	12.5	14.9	10.3	-0.1	10.2	25.7	8.0	7.5
Newspaper, books and stationery	4.1	6.8	8.1	-0.2	-4.4	-4.2	-0.9	-1.2
Education	1.1	-0.4	5.8	0.1	4.3	1.5	2.8	5.1
Restaurants and hotels	8.7	8.6	11.6	2.5	12.4	5.3	10.6	4.1
Miscellaneous goods and services	7.2	10.5	11.0	7.0	9.6	3.5	5.6	5.7
Personal care	8.2	6.0	6.1	7.0	9.7	3.0	6.5	1.9
Personal effects n.e.c.	18.8	6.7	10.9	11.2	23.1	3.1	8.7	10.6
Financial services	3.2	15.8	15.1	6.5	5.2	3.9	3.0	4.9
Other services n.e.c.	3.7	5.4	3.7	2.5	5.6	3.0	8.5	4.4
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	7.8	5.5	5.8	7.2	-0.5	1.6	1.8	1.1
Health, education, and social protection	5.1	2.0	4.2	5.4	-0.5	0.5	5.9	1.3
Other services n.e.c.	11.7	10.2	7.9	9.3	-0.5	2.8	-2.8	0.9
Private final consumption expenditure in the domestic market	4.3	7.4	3.3	0.1	4.9	3.8	5.2	3.8
Plus : Expenditure of residents abroad	0.4	15.4	-0.9	11.9	12.6	20.6	10.1	8.7
Less : Expenditure of non-residents in the country	27.7	9.3	20.6	-0.6	22.1	12.2	16.9	1.5
Private final consumption expenditure	1.8	7.3	1.0	0.5	2.6	2.9	3.1	4.6

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

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Individual consumption expenditure of households	6,476,051	7,117,384	7,502,260	7,643,855	7,960,248	8,311,026	8,812,313	9,235,886
Food and non-alcoholic	1,726,426	1,800,731	1,858,282	1,917,188	1,961,940	2,038,672	2,061,406	2,090,298
Non-durable goods	1,726,426	1,800,731	1,858,282	1,917,188	1,961,940	2,038,672	2,061,406	2,090,298
Alcoholic beverages, tobacco and narcotic	235,457	249,956	255,988	264,832	270,515	281,891	287,214	289,185
Non-durable goods	235,457	249,956	255,988	264,832	270,515	281,891	287,214	289,185
Clothing and footwear	329,516	337,151	333,514	333,965	348,188	363,489	371,511	382,354
Semi-durable goods	325,926	333,238	329,207	329,756	343,611	359,511	367,520	378,304
Services	3,590	3,913	4,307	4,209	4,577	3,978	3,991	4,050
Housing, water, electricity, gas and other fuels	559,203	620,357	646,148	687,411	718,918	737,331	767,857	801,132
Non-durable goods	181,014	224,030	241,003	262,268	269,133	265,914	267,646	277,625
Services	378,189	396,327	405,145	425,143	449,785	471,417	500,211	523,507
Furnishings, households equipment and routine maintenance of the house	283,522	307,570	308,190	318,740	332,920	334,813	342,831	359,950
Durable goods	69,315	71,641	71,549	72,043	73,998	73,860	74,124	75,944
Semi-durable goods	141,813	159,455	157,699	163,946	170,862	169,988	174,697	186,593
Non-durable goods	41,740	43,418	45,199	47,089	49,088	51,101	53,220	55,523
Services	30,654	33,056	33,743	35,662	38,972	39,864	40,790	41,890
Health	296,608	310,393	329,353	343,909	358,763	378,323	393,782	414,681
Durable goods	5,423	6,093	6,096	6,375	6,511	6,819	6,781	7,504
Non-durable goods	106,786	114,531	129,225	138,706	147,430	160,771	171,053	175,922
Services	184,399	189,769	194,032	198,828	204,822	210,733	215,948	231,255
Transport	1,015,093	1,235,889	1,265,225	1,129,091	1,065,411	1,069,580	1,191,980	1,298,588
Durable goods	312,060	484,882	480,754	331,077	302,467	307,901	369,883	420,017
Semi-durable goods	25,652	28,079	28,706	28,408	30,999	31,691	32,963	34,384
Non-durable goods	322,725	354,673	370,827	378,652	324,834	317,948	358,449	396,246
Services	354,656	368,255	384,938	390,954	407,111	412,040	430,685	447,941
Communication	139,026	150,069	155,176	156,451	162,153	165,564	175,326	184,008
Durable goods	6,033	6,535	7,306	7,497	7,467	7,543	7,658	7,757
Services	132,993	143,534	147,870	148,954	154,686	158,021	167,668	176,251
Recreation and culture	311,765	356,053	383,395	386,418	393,524	454,055	486,072	513,513
Durable goods	67,167	78,861	79,365	78,529	65,500	64,710	69,415	69,075
Semi-durable goods	42,202	43,056	43,204	43,656	44,085	41,346	43,088	44,778
Non-durable goods	35,042	39,058	43,166	42,880	40,530	41,715	39,866	39,763
Services	167,354	195,078	217,660	221,353	243,409	306,284	333,703	359,897
Education	88,971	88,651	94,398	95,462	101,379	105,648	110,988	117,826
Services	88,971	88,651	94,398	95,462	101,379	105,648	110,988	117,826
Restaurants and hotels	836,762	925,390	1,058,545	1,120,131	1,278,216	1,355,958	1,538,632	1,631,582
Services	836,762	925,390	1,058,545	1,120,131	1,278,216	1,355,958	1,538,632	1,631,582
Miscellaneous goods and services	653,702	735,174	814,046	890,257	968,321	1,025,702	1,084,714	1,152,769
Durable goods	115,616	123,157	130,220	134,886	154,960	173,172	192,099	209,406
Semi-durable goods	26,231	31,070	32,762	47,294	59,976	65,149	66,305	71,314
Non-durable goods	92,923	100,717	108,698	119,367	132,333	136,714	147,033	150,597
Services	418,932	480,230	542,366	588,710	621,052	650,667	679,277	721,452
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	112,359	122,135	132,065	144,252	144,725	145,949	149,530	152,837
Semi-durable goods	589	794	961	1,092	1,115	1,091	1,017	974
Non-durable goods	21,623	21,691	22,851	24,483	25,808	25,915	26,644	27,120
Services	90,147	99,650	108,253	118,677	117,802	118,943	121,869	124,743
Private final consumption expenditure in the domestic	6,588,410	7,239,519	7,634,325	7,788,107	8,104,973	8,456,975	8,961,843	9,388,723
Plus : Expenditure of residents abroad	156,957	186,322	188,700	215,003	239,935	290,023	321,458	353,053
Less : Expenditure of non-residents in the country	757,123	843,281	1,035,821	1,044,473	1,288,103	1,450,311	1,703,558	1,739,056
Private final consumption expenditure	5,988,244	6,582,560	6,787,204	6,958,637	7,056,805	7,296,687	7,579,743	8,002,720
Durable goods	575,615	771,169	775,291	630,408	610,904	634,005	719,961	789,704
Semi-durable goods	562,414	595,692	592,540	614,152	650,648	668,775	685,590	716,347
Non-durable goods	2,763,736	2,948,805	3,075,239	3,195,465	3,221,614	3,320,642	3,412,530	3,502,280
Services	2,086,479	2,266,894	2,344,134	2,518,612	2,573,639	2,673,265	2,761,662	2,994,389

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

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Individual consumption expenditure of households	4,787,151	5,141,167	5,308,082	5,306,409	5,574,363	5,790,263	6,096,121	6,332,611
Food and non-alcoholic	900,363	904,120	895,137	902,910	922,877	942,830	964,756	985,376
<i>Non-durable goods</i>	900,363	904,120	895,137	902,910	922,877	942,830	964,756	985,376
Alcoholic beverages, tobacco and narcotic	208,220	214,424	208,513	204,218	207,397	200,544	199,362	195,512
<i>Non-durable goods</i>	208,220	214,424	208,513	204,218	207,397	200,544	199,362	195,512
Clothing and footwear	301,228	300,378	290,835	284,688	288,308	295,285	301,711	305,382
<i>Semi-durable goods</i>	297,818	296,690	286,829	280,796	284,164	291,682	298,086	301,783
<i>Services</i>	3,421	3,710	4,056	3,940	4,212	3,600	3,615	3,581
Housing, water, electricity, gas and other fuels	522,510	564,773	574,489	595,425	623,709	650,267	677,513	699,019
<i>Non-durable goods</i>	145,509	168,988	171,728	176,055	186,325	194,248	197,072	200,297
<i>Services</i>	375,318	391,220	398,168	415,341	432,296	450,719	476,559	495,609
Furnishings, households equipment and routine maintenance of the house	269,523	288,697	287,094	292,501	301,948	303,081	312,366	328,195
<i>Durable goods</i>	72,478	74,789	75,138	75,288	76,803	76,537	77,954	80,614
<i>Semi-durable goods</i>	142,339	159,125	157,161	162,366	168,110	166,707	172,938	185,592
<i>Non-durable goods</i>	32,068	32,674	34,010	34,938	36,231	37,988	39,600	41,081
<i>Services</i>	25,752	26,127	24,665	24,085	24,963	25,316	25,550	25,593
Health	275,700	288,922	304,290	313,074	323,326	338,618	349,200	367,556
<i>Durable goods</i>	5,740	7,364	7,388	7,303	7,181	7,307	7,059	7,803
<i>Non-durable goods</i>	101,379	109,950	123,235	131,630	139,315	152,403	160,359	165,006
<i>Services</i>	168,750	172,102	174,507	175,204	178,086	180,698	183,837	196,631
Transport	665,149	796,273	804,490	713,461	735,203	767,245	830,608	879,799
<i>Durable goods</i>	287,699	448,378	435,113	293,512	266,129	270,019	323,503	366,266
<i>Semi-durable goods</i>	20,214	21,595	22,123	21,743	24,237	24,794	25,364	26,057
<i>Non-durable goods</i>	129,924	136,490	141,238	144,033	158,565	170,730	174,487	176,862
<i>Services</i>	249,846	255,316	265,075	269,513	285,944	297,447	311,610	323,127
Communication	178,372	185,408	196,805	217,781	231,361	236,490	250,854	263,036
<i>Durable goods</i>	9,148	10,161	11,340	12,819	12,894	13,031	13,235	13,413
<i>Services</i>	169,286	175,416	185,764	205,344	218,732	223,704	237,773	249,701
Recreation and culture	302,730	341,943	366,552	365,174	372,687	433,406	462,654	487,752
<i>Durable goods</i>	81,111	92,792	93,126	91,806	75,986	74,423	79,783	80,053
<i>Semi-durable goods</i>	40,595	41,239	41,419	41,488	41,584	38,799	40,355	42,010
<i>Non-durable goods</i>	31,334	34,215	38,110	37,294	34,892	35,935	35,607	35,029
<i>Services</i>	149,258	173,176	191,558	192,030	212,974	271,774	293,694	315,709
Education	85,593	85,247	90,151	90,239	94,088	95,519	98,168	103,210
<i>Services</i>	85,594	85,247	90,152	90,239	94,089	95,520	98,169	103,210
Restaurants and hotels	655,770	712,109	794,734	814,304	915,296	964,207	1,066,212	1,110,204
<i>Services</i>	655,770	712,109	794,734	814,304	915,295	964,206	1,066,211	1,110,203
Miscellaneous goods and services	465,241	513,986	570,631	610,495	669,403	692,619	731,089	772,690
<i>Durable goods</i>	60,381	64,218	72,021	75,125	91,640	93,371	103,459	114,035
<i>Semi-durable goods</i>	23,082	24,931	26,345	36,618	46,271	49,090	50,590	56,636
<i>Non-durable goods</i>	79,809	85,000	90,771	98,401	107,924	110,807	118,792	121,384
<i>Services</i>	302,887	341,206	382,028	402,699	424,745	440,795	458,691	479,592
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	85,648	90,374	95,631	102,512	101,973	103,575	105,411	106,572
<i>Semi-durable goods</i>	598	798	957	1,079	1,095	1,076	1,003	958
<i>Non-durable goods</i>	17,833	17,578	18,210	19,078	19,829	19,852	20,288	20,339
<i>Services</i>	67,268	71,978	76,432	82,286	81,082	82,638	84,092	85,214
Private final consumption expenditure in the domestic market	4,872,696	5,231,478	5,403,594	5,408,647	5,676,178	5,893,687	6,201,438	6,439,139
Plus : Expenditure of residents abroad	125,791	145,124	143,834	160,885	181,198	218,529	240,634	261,522
Less : Expenditure of non-residents in the country	617,383	674,573	813,539	808,294	987,273	1,107,338	1,294,920	1,314,276
Private final consumption expenditure	4,392,805	4,714,916	4,759,900	4,785,278	4,909,814	5,051,305	5,207,242	5,444,906
<i>Durable goods</i>	512,813	687,175	688,974	554,835	543,060	548,337	622,381	684,721
<i>Semi-durable goods</i>	524,117	542,950	533,609	543,311	565,958	573,837	589,755	613,745
<i>Non-durable goods</i>	1,632,883	1,679,269	1,690,013	1,713,980	1,778,139	1,828,283	1,870,795	1,902,233
<i>Services</i>	1,750,562	1,871,934	1,915,014	2,023,457	2,063,035	2,141,206	2,176,350	2,324,978

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)

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Individual consumption expenditure of households	142.9	154.5	159.5	159.5	167.5	174.0	183.2	190.3
Food and non-alcoholic	124.4	125.5	124.3	125.4	128.1	130.9	133.9	136.8
<i>Non-durable goods</i>	124.4	125.5	124.3	125.4	128.1	130.9	133.9	136.8
Alcoholic beverages, tobacco and narcotic	121.1	124.7	121.2	118.8	120.6	116.6	115.9	113.7
<i>Non-durable goods</i>	121.1	124.7	121.2	118.8	120.6	116.6	115.9	113.7
Clothing and footwear	126.8	126.4	122.4	119.8	121.3	124.3	127.0	128.5
<i>Semi-durable goods</i>	126.3	125.9	121.7	119.1	120.6	123.7	126.5	128.0
<i>Services</i>	177.3	192.3	210.3	204.3	218.4	186.6	187.4	185.6
Housing, water, electricity, gas and other fuels	137.5	148.6	151.2	156.7	164.1	171.1	178.3	183.9
<i>Non-durable goods</i>	141.4	164.2	166.8	171.0	181.0	188.7	191.5	194.6
<i>Services</i>	135.5	141.2	143.7	149.9	156.0	162.7	172.0	178.9
Furnishings, households equipment and routine maintenance of the house	173.6	185.9	184.9	188.4	194.5	195.2	201.2	211.4
<i>Durable goods</i>	234.2	241.7	242.8	243.3	248.2	247.3	251.9	260.5
<i>Semi-durable goods</i>	194.1	217.0	214.3	221.4	229.3	227.3	235.8	253.1
<i>Non-durable goods</i>	133.5	136.0	141.5	145.4	150.8	158.1	164.8	171.0
<i>Services</i>	95.5	96.9	91.5	89.3	92.6	93.9	94.8	94.9
Health	175.0	183.4	193.1	198.7	205.2	214.9	221.6	233.3
<i>Durable goods</i>	436.2	559.6	561.4	554.9	545.7	555.2	536.4	592.9
<i>Non-durable goods</i>	177.5	192.5	215.8	230.5	244.0	266.9	280.8	289.0
<i>Services</i>	170.2	173.6	176.0	176.7	179.7	182.3	185.5	198.4
Transport	146.0	175.0	176.8	156.8	161.6	168.6	182.5	193.4
<i>Durable goods</i>	220.1	343.0	332.8	224.5	203.6	206.5	247.4	280.2
<i>Semi-durable goods</i>	132.6	141.7	145.1	142.7	159.0	162.7	166.4	171.0
<i>Non-durable goods</i>	107.7	113.2	117.1	119.4	131.5	141.6	144.7	146.6
<i>Services</i>	132.2	135.7	140.9	143.2	151.9	158.1	165.6	171.7
Communication	196.6	204.4	216.9	240.1	255.0	260.7	276.5	290.0
<i>Durable goods</i>	168.0	186.6	208.3	235.5	236.8	239.4	243.1	246.4
<i>Services</i>	198.5	205.7	217.9	240.8	256.5	262.3	278.8	292.8
Recreation and culture	169.2	194.0	208.0	207.2	211.4	245.9	262.5	276.7
<i>Durable goods</i>	137.9	157.7	158.3	156.1	129.2	126.5	135.6	136.1
<i>Semi-durable goods</i>	229.8	233.4	234.4	234.8	235.4	219.6	228.4	237.8
<i>Non-durable goods</i>	114.9	125.4	139.7	136.7	127.9	131.8	130.5	128.4
<i>Services</i>	198.7	236.8	261.9	262.6	291.2	371.6	401.6	431.7
Education	150.4	149.8	158.4	158.6	165.4	167.9	172.5	181.4
<i>Services</i>	150.4	149.8	158.4	158.6	165.4	167.9	172.5	181.4
Restaurants and hotels	152.8	171.8	191.8	196.5	220.9	232.7	257.3	267.9
<i>Services</i>	152.8	171.8	191.8	196.5	220.9	232.7	257.3	267.9
Miscellaneous goods and services	148.7	164.4	182.5	195.2	214.1	221.5	233.8	247.1
<i>Durable goods</i>	137.2	145.9	163.6	170.7	208.2	212.1	235.0	259.1
<i>Semi-durable goods</i>	366.0	396.9	419.5	583.0	736.7	781.6	805.5	901.7
<i>Non-durable goods</i>	161.1	172.4	184.1	199.6	218.9	224.8	241.0	246.2
<i>Services</i>	142.1	160.1	179.3	189.0	199.3	206.9	215.3	225.1
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	149.4	157.7	166.8	178.8	177.9	180.7	183.9	185.9
<i>Semi-durable goods</i>	263.4	351.5	421.6	475.3	482.4	474.0	441.9	422.0
<i>Non-durable goods</i>	359.7	356.3	369.1	386.7	401.9	402.3	411.2	412.2
<i>Services</i>	129.0	137.9	146.5	157.7	155.4	158.3	161.1	163.3
Private final consumption expenditure in the domestic m	143.0	154.6	159.7	159.8	167.7	174.1	183.2	190.2
Plus : Expenditure of residents abroad	110.7	127.5	126.4	141.4	159.2	192.1	211.5	229.8
Less : Expenditure of non-residents in the country	198.9	239.8	289.1	287.3	350.9	393.6	460.2	467.1
Private final consumption expenditure	136.8	146.0	147.4	148.2	152.0	156.4	161.2	168.6
<i>Durable goods</i>	189.0	253.3	254.0	204.5	200.2	202.1	229.4	252.4
<i>Semi-durable goods</i>	150.4	155.8	153.2	155.9	162.4	164.7	169.3	176.2
<i>Non-durable goods</i>	127.3	131.4	132.2	134.1	139.1	143.0	146.4	148.8
<i>Services</i>	133.7	140.0	143.3	151.4	154.3	160.2	162.8	173.9

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

	Percent							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Individual consumption expenditure of households	4.3	7.4	3.2	0.0	5.0	3.9	5.3	3.9
Food and non-alcoholic	0.8	0.4	-1.0	0.9	2.2	2.2	2.3	2.1
<i>Non-durable goods</i>	0.8	0.4	-1.0	0.9	2.2	2.2	2.3	2.1
Alcoholic beverages, tobacco and narcotic	-0.9	3.0	-2.8	-2.1	1.6	-3.3	-0.6	-1.9
<i>Non-durable goods</i>	-0.9	3.0	-2.8	-2.1	1.6	-3.3	-0.6	-1.9
Clothing and footwear	3.2	-0.3	-3.2	-2.1	1.3	2.4	2.2	1.2
<i>Semi-durable goods</i>	3.1	-0.4	-3.3	-2.1	1.2	2.6	2.2	1.2
<i>Services</i>	7.1	8.4	9.3	-2.9	6.9	-14.5	0.4	-0.9
Housing, water, electricity, gas and other fuels	2.8	8.1	1.7	3.6	4.8	4.3	4.2	3.2
<i>Non-durable goods</i>	2.7	16.1	1.6	2.5	5.8	4.3	1.5	1.6
<i>Services</i>	2.8	4.2	1.8	4.3	4.1	4.3	5.7	4.0
Furnishings, households equipment and routine maintenance of the house	8.6	7.1	-0.6	1.9	3.2	0.4	3.1	5.1
<i>Durable goods</i>	18.7	3.2	0.5	0.2	2.0	-0.3	1.9	3.4
<i>Semi-durable goods</i>	9.2	11.8	-1.2	3.3	3.5	-0.8	3.7	7.3
<i>Non-durable goods</i>	2.7	1.9	4.1	2.7	3.7	4.8	4.2	3.7
<i>Services</i>	-5.9	1.5	-5.6	-2.4	3.6	1.4	0.9	0.2
Health	15.0	4.8	5.3	2.9	3.3	4.7	3.1	5.3
<i>Durable goods</i>	-2.3	28.3	0.3	-1.2	-1.7	1.8	-3.4	10.5
<i>Non-durable goods</i>	21.4	8.5	12.1	6.8	5.8	9.4	5.2	2.9
<i>Services</i>	12.0	2.0	1.4	0.4	1.6	1.5	1.7	7.0
Transport	1.8	19.7	1.0	-11.3	3.0	4.4	8.3	5.9
<i>Durable goods</i>	7.2	55.8	-3.0	-32.5	-9.3	1.5	19.8	13.2
<i>Semi-durable goods</i>	-5.2	6.8	2.4	-1.7	11.5	2.3	2.3	2.7
<i>Non-durable goods</i>	-4.2	5.1	3.5	2.0	10.1	7.7	2.2	1.4
<i>Services</i>	3.0	2.2	3.8	1.7	6.1	4.0	4.8	3.7
Communication	6.2	3.9	6.1	10.7	6.2	2.2	6.1	4.9
<i>Durable goods</i>	8.5	11.1	11.6	13.0	0.6	1.1	1.6	1.3
<i>Services</i>	6.1	3.6	5.9	10.5	6.5	2.3	6.3	5.0
Recreation and culture	9.9	13.0	7.2	-0.4	2.1	16.3	6.7	5.4
<i>Durable goods</i>	9.9	14.4	0.4	-1.4	-17.2	-2.1	7.2	0.3
<i>Semi-durable goods</i>	0.0	1.6	0.4	0.2	0.2	-6.7	4.0	4.1
<i>Non-durable goods</i>	4.7	9.2	11.4	-2.1	-6.4	3.0	-0.9	-1.6
<i>Services</i>	14.1	16.0	10.6	0.2	10.9	27.6	8.1	7.5
Education	1.1	-0.4	5.8	0.1	4.3	1.5	2.8	5.1
<i>Services</i>	1.1	-0.4	5.8	0.1	4.3	1.5	2.8	5.1
Restaurants and hotels	8.7	8.6	11.6	2.5	12.4	5.3	10.6	4.1
<i>Services</i>	8.7	8.6	11.6	2.5	12.4	5.3	10.6	4.1
Miscellaneous goods and services	7.2	10.5	11.0	7.0	9.6	3.5	5.6	5.7
<i>Durable goods</i>	16.6	6.4	12.2	4.3	22.0	1.9	10.8	10.2
<i>Semi-durable goods</i>	29.6	8.0	5.7	39.0	26.4	6.1	3.1	12.0
<i>Non-durable goods</i>	8.1	6.5	6.8	8.4	9.7	2.7	7.2	2.2
<i>Services</i>	3.7	12.7	12.0	5.4	5.5	3.8	4.1	4.6
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	7.8	5.5	5.8	7.2	-0.5	1.6	1.8	1.1
<i>Semi-durable goods</i>	16.6	33.4	19.9	12.7	1.5	-1.7	-6.8	-4.5
<i>Non-durable goods</i>	4.4	-1.4	3.6	4.8	3.9	0.1	2.2	0.3
<i>Services</i>	8.6	7.0	6.2	7.7	-1.5	1.9	1.8	1.3
Private final consumption expenditure in the domestic m	4.3	7.4	3.3	0.1	4.9	3.8	5.2	3.8
Plus : Expenditure of residents abroad	0.4	15.4	-0.9	11.9	12.6	20.6	10.1	8.7
Less : Expenditure of non-residents in the country	27.7	9.3	20.6	-0.6	22.1	12.2	16.9	1.5
Private final consumption expenditure	1.8	7.3	1.0	0.5	2.6	2.9	3.1	4.6
<i>Durable goods</i>	10.4	34.0	0.3	-19.5	-2.1	1.0	13.5	10.0
<i>Semi-durable goods</i>	5.0	3.6	-1.7	1.8	4.2	1.4	2.8	4.1
<i>Non-durable goods</i>	1.2	2.8	0.6	1.4	3.7	2.8	2.3	1.7
<i>Services</i>	-0.4	6.9	2.3	5.7	2.0	3.8	1.6	6.8

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
By type of expenditure								
Compensation of employees	995,458	1,087,339	1,140,263	1,228,295	1,297,373	1,350,895	1,402,483	1,463,298
Consumption of fixed capital	209,493	232,355	245,156	249,347	261,017	273,413	286,434	300,391
Purchases from enterprises and abroad	484,161	532,817	590,214	621,383	680,722	716,958	716,662	794,751
Less: Purchases by households and enterprises	77,384	77,388	100,156	105,072	129,347	140,669	151,506	177,875
Social transfers in kind - purchased market production	213,408	245,671	237,892	244,131	243,277	260,220	267,381	262,817
General government final consumption expenditure	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,460,817	2,521,454	2,643,382
By classification of the functions of government (COFOG)								
General public services	239,642	275,399	303,314	322,281	349,286	359,146	359,787	374,912
Defence	177,694	183,465	194,480	218,360	239,571	259,043	260,560	289,647
Public order and safety	176,949	191,284	192,827	200,720	211,882	221,443	224,529	237,017
Economic affairs	262,366	278,155	295,570	294,757	301,524	300,791	314,567	333,122
Environmental protection	25,542	28,273	28,143	28,925	31,598	34,293	35,079	33,486
Housing and community amenities	53,600	63,622	72,800	67,899	70,063	74,872	75,980	80,218
Health	282,445	328,196	339,741	369,807	383,705	409,954	436,099	457,424
Recreation, culture and religion	34,283	38,685	38,127	37,452	37,673	39,908	40,504	41,682
Education	543,631	602,520	619,739	665,947	695,012	727,991	743,308	763,847
Social protection	28,984	31,195	28,628	31,936	32,728	33,376	31,041	32,027
General government final consumption expenditure	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,460,817	2,521,454	2,643,382
By type of services								
Collective consumption expenditure	954,829	1,037,972	1,100,563	1,141,173	1,204,158	1,249,496	1,268,234	1,349,696
Individual consumption expenditure	870,307	982,822	1,012,806	1,096,911	1,148,884	1,211,321	1,253,220	1,293,686
General government final consumption expenditure	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,460,817	2,521,454	2,643,382

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
By type of expenditure								
Compensation of employees	650,919	681,549	686,105	708,807	715,799	718,298	721,341	731,063
Consumption of fixed capital	153,040	164,360	169,502	168,101	170,249	172,031	177,506	183,599
Purchases from enterprises and abroad	405,560	438,987	478,588	499,066	556,270	588,817	582,668	636,841
Less: Purchases by households and enterprises	65,952	64,761	82,571	85,908	107,878	118,027	125,805	145,599
Social transfers in kind - purchased market production	181,892	205,124	196,646	198,656	195,931	208,932	213,675	208,290
General government final consumption expenditure	1,302,439	1,395,850	1,417,379	1,457,177	1,493,837	1,526,255	1,528,472	1,567,746
By classification of the functions of government (COFOG)								
General public services	177,340	198,766	212,911	220,622	234,841	235,835	230,286	234,465
Defence	126,171	126,580	129,176	140,887	151,070	159,065	155,567	168,535
Public order and safety	129,871	136,717	133,494	135,064	138,798	140,710	138,435	142,173
Economic affairs	191,408	197,345	203,022	197,605	198,511	193,013	197,902	205,586
Environmental protection	18,404	19,823	19,130	19,209	20,682	21,919	21,950	20,518
Housing and community amenities	39,433	45,494	50,455	45,974	46,553	48,531	48,341	50,101
Health	215,684	244,347	246,432	261,793	266,116	278,822	290,780	298,909
Recreation, culture and religion	27,040	29,850	28,934	27,954	27,996	29,311	29,257	29,570
Education	355,097	375,383	375,331	387,527	389,331	398,943	398,621	401,236
Social protection	22,802	24,014	21,579	23,591	23,971	24,134	21,969	22,171
General government final consumption expenditure	1,302,439	1,395,850	1,417,379	1,457,177	1,493,837	1,526,255	1,528,472	1,567,746
By type of services								
Collective consumption expenditure	731,766	778,452	804,280	817,333	850,271	864,215	860,519	899,053
Individual consumption expenditure	570,027	615,863	613,814	638,952	644,962	662,542	667,420	671,679
General government final consumption expenditure	1,302,439	1,395,850	1,417,379	1,457,177	1,493,837	1,526,255	1,528,472	1,567,746

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
By type of expenditure								
Compensation of employees	143.9	150.7	151.7	156.7	158.2	158.8	159.5	161.6
Consumption of fixed capital	133.3	143.2	147.7	146.5	148.3	149.9	154.7	160.0
Purchases from enterprises and abroad	223.2	241.6	263.4	274.7	306.2	324.1	320.7	350.5
Less: Purchases by households and enterprises	309.9	304.3	388.0	403.6	506.9	554.6	591.1	684.1
Social transfers in kind - purchased market production	559.9	631.5	605.4	611.6	603.2	643.2	657.8	641.2
General government final consumption expenditure	171.4	183.7	186.5	191.7	196.6	200.8	201.1	206.3
By classification of the functions of government (COFOG)								

General public services	157.9	177.0	189.6	196.4	209.1	210.0	205.0	208.7
Defence	134.8	135.3	138.0	150.6	161.4	170.0	166.2	180.1
Public order and safety	177.4	186.8	182.3	184.5	189.6	192.2	189.1	194.2
Economic affairs	159.6	164.6	169.3	164.8	165.6	161.0	165.1	171.5
Environmental protection	339.2	365.3	352.6	354.0	381.2	404.0	404.5	378.1
Housing and community amenities	195.6	225.6	250.2	228.0	230.9	240.7	239.8	248.5
Health	224.8	254.7	256.9	272.9	277.4	290.6	303.1	311.5
Recreation, culture and religion	165.3	182.5	176.9	170.9	171.2	179.2	178.9	180.8
Education	163.6	172.9	172.9	178.5	179.3	183.8	183.6	184.8
Social protection	380.6	400.8	360.2	393.8	400.1	402.8	366.7	370.1
General government final consumption expenditure	171.4	183.7	186.5	191.7	196.6	200.8	201.1	206.3
By type of services								
Collective consumption expenditure	167.5	178.2	184.1	187.1	194.6	197.8	197.0	205.8
Individual consumption expenditure	176.4	190.6	189.9	197.7	199.6	205.0	206.5	207.8
General government final consumption expenditure	171.4	183.7	186.5	191.7	196.6	200.8	201.1	206.3

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

	2011	2012	2013	2014	2015	2016r	2017r	Percent 2018p
By type of expenditure								
Compensation of employees	3.6	4.7	0.7	3.3	1.0	0.3	0.4	1.3
Consumption of fixed capital	4.4	7.4	3.1	-0.8	1.3	1.0	3.2	3.4
Purchases from enterprises and abroad	6.5	8.2	9.0	4.3	11.5	5.9	-1.0	9.3
Less: Purchases by households and enterprises	5.4	-1.8	27.5	4.0	25.6	9.4	6.6	15.7
Social transfers in kind - purchased market production	-1.6	12.8	-4.1	1.0	-1.4	6.6	2.3	-2.5
General government final consumption expenditure	3.7	7.2	1.5	2.8	2.5	2.2	0.1	2.6
By classification of the functions of government (COFOG)								
General public services	6.1	12.1	7.1	3.6	6.4	0.4	-2.4	1.8
Defence	11.6	0.3	2.1	9.1	7.2	5.3	-2.2	8.3
Public order and safety	1.0	5.3	-2.4	1.2	2.8	1.4	-1.6	2.7
Economic affairs	0.1	3.1	2.9	-2.7	0.5	-2.8	2.5	3.9
Environmental protection	4.0	7.7	-3.5	0.4	7.7	6.0	0.1	-6.5
Housing and community amenities	16.6	15.4	10.9	-8.9	1.3	4.2	-0.4	3.6
Health	0.7	13.3	0.9	6.2	1.7	4.8	4.3	2.8
Recreation, culture and religion	-4.4	10.4	-3.1	-3.4	0.2	4.7	-0.2	1.1
Education	3.7	5.7	0.0	3.2	0.5	2.5	-0.1	0.7
Social protection	11.1	5.3	-10.1	9.3	1.6	0.7	-9.0	0.9
General government final consumption expenditure	3.7	7.2	1.5	2.8	2.5	2.2	0.1	2.6
By type of services								
Collective consumption expenditure	5.5	6.4	3.3	1.6	4.0	1.6	-0.4	4.5
Individual consumption expenditure	1.8	8.0	-0.3	4.1	0.9	2.7	0.7	0.6
General government final consumption expenditure	3.7	7.2	1.5	2.8	2.5	2.2	0.1	2.6

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Construction	916,456	1,036,338	1,052,167	1,038,061	1,159,732	1,223,405	1,211,850	1,268,577
<i>Private</i>	469,477	523,806	555,072	543,891	529,357	524,010	526,729	561,595
<i>Public</i>	446,979	512,532	497,095	494,170	630,375	699,395	685,121	706,982
Equipment	2,004,837	2,299,359	2,226,159	2,224,717	2,211,337	2,236,496	2,367,995	2,458,316
<i>Private</i>	1,807,446	2,083,755	1,986,164	2,028,293	1,976,806	2,005,331	2,128,134	2,207,375
<i>Public</i>	197,391	215,604	239,995	196,424	234,531	231,165	239,861	250,941
Gross fixed capital formation	2,921,293	3,335,697	3,278,326	3,262,778	3,371,069	3,459,901	3,579,845	3,726,893
<i>Private</i>	2,276,923	2,607,561	2,541,236	2,572,184	2,506,163	2,529,341	2,654,863	2,768,970
<i>Public</i>	644,370	728,136	737,090	690,594	864,906	930,560	924,982	957,923
Change in inventories	107,991	127,344	267,804	-98,217	-298,624	-380,535	-28,885	395,148
Gross capital formation	3,029,284	3,463,041	3,546,130	3,164,561	3,072,445	3,079,366	3,550,960	4,122,041

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

	(Millions of Baht)							
	2011	2012	2013	2014	2015	2016r	2017r	2018p
Construction	642,821	691,834	691,867	677,748	784,133	846,807	828,865	855,804
<i>Private</i>	332,572	358,418	372,965	360,653	361,713	365,590	362,390	380,325
<i>Public</i>	309,332	332,440	318,683	316,664	420,053	478,040	463,458	472,468
Equipment	1,455,284	1,632,021	1,608,039	1,571,194	1,556,729	1,559,793	1,620,507	1,686,155
<i>Private</i>	1,314,883	1,483,403	1,440,338	1,436,150	1,397,005	1,402,885	1,457,959	1,514,377
<i>Public</i>	141,285	149,752	168,301	136,581	160,781	158,061	163,756	173,027
Gross fixed capital formation	2,101,552	2,326,977	2,303,441	2,252,515	2,350,865	2,418,543	2,461,276	2,554,311
<i>Private</i>	1,646,895	1,840,836	1,813,138	1,795,944	1,758,459	1,768,279	1,820,109	1,894,438
<i>Public</i>	452,317	484,060	487,714	455,702	585,133	641,321	632,358	650,747
Change in inventories	68,204	92,683	183,078	-63,572	-111,915	-340,739	-67,113	259,978
Gross capital formation	2,196,846	2,452,199	2,539,573	2,226,085	2,273,757	2,188,291	2,428,078	2,822,057

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)

	2011	2012	2013	2014	2015r	2016r	2017p	2018p
Construction	135.5	145.9	145.9	142.9	165.3	178.6	174.8	180.4
<i>Private</i>	167.3	180.3	187.6	181.4	182.0	183.9	182.3	191.3
<i>Public</i>	112.3	120.7	115.7	114.9	152.5	173.5	168.2	171.5
Equipment	184.2	206.6	203.6	198.9	197.1	197.5	205.1	213.5
<i>Private</i>	194.7	219.7	213.3	212.7	206.9	207.8	215.9	224.3
<i>Public</i>	123.1	130.5	146.7	119.0	140.1	137.8	142.7	150.8
Gross fixed capital formation	166.2	184.1	182.2	178.2	186.0	191.3	194.7	202.0
<i>Private</i>	188.4	210.6	207.5	205.5	201.2	202.3	208.3	216.8
<i>Public</i>	115.9	124.0	125.0	116.8	149.9	164.3	162.0	166.8
Change in inventories								
Gross capital formation	167.4	186.9	193.5	169.6	173.3	166.8	185.0	215.1

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

	2011	2012	2013	2014	2015r	2016r	Percent 2017p	Percent 2018p
Construction	-4.6	7.6	0.0	-2.0	15.7	8.0	-2.1	3.3
<i>Private</i>	6.7	7.8	4.1	-3.3	0.3	1.1	-0.9	4.9
<i>Public</i>	-14.2	7.5	-4.1	-0.6	32.6	13.8	-3.1	1.9
Equipment	9.9	12.1	-1.5	-2.3	-0.9	0.2	3.9	4.1
<i>Private</i>	10.2	12.8	-2.9	-0.3	-2.7	0.4	3.9	3.9
<i>Public</i>	7.0	6.0	12.4	-18.8	17.7	-1.7	3.6	5.7
Gross fixed capital formation	4.9	10.7	-1.0	-2.2	4.4	2.9	1.8	3.8
<i>Private</i>	9.5	11.8	-1.5	-0.9	-2.1	0.6	2.9	4.1
<i>Public</i>	-8.6	7.0	0.8	-6.6	28.4	9.6	-1.4	2.9
Change in inventories								
Gross capital formation	2.6	11.6	3.6	-12.3	2.1	-3.8	11.0	16.2

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

(Millions of Baht)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Construction	916,456	1,036,338	1,052,167	1,038,061	1,159,732	1,223,405	1,211,850	1,268,577
Private	469,477	523,806	555,072	543,891	529,357	524,010	526,729	561,595
Dwellings	251,738	283,386	306,479	306,604	295,710	293,168	297,375	313,067
Non-dwelling construction	149,953	169,580	173,431	161,304	158,754	147,773	150,369	154,736
Other construction	54,426	56,096	56,850	58,478	57,532	65,225	61,007	74,370
Costs of ownership transfer	13,360	14,744	18,312	17,505	17,361	17,844	17,978	19,422
Public	446,979	512,532	497,095	494,170	630,375	699,395	685,121	706,982
Dwellings	43,443	40,705	22,784	22,108	18,863	16,185	15,368	15,156
Non-dwelling construction	75,250	90,723	104,906	100,818	149,717	128,549	133,588	135,231
Other construction	328,286	381,104	369,405	371,245	461,795	554,661	536,165	556,595
Machinery and other equipment	2,004,837	2,299,359	2,226,159	2,224,717	2,211,337	2,236,496	2,367,995	2,458,316
Transport equipment	874,872	1,045,955	1,037,788	919,411	881,046	837,349	937,190	1,004,520
Road motor equipment	639,317	829,384	808,844	771,639	757,286	731,921	799,688	868,652
Other vehicles	235,555	216,571	228,944	147,772	123,760	105,428	137,502	135,868
Machinery and equipment	1,129,965	1,253,404	1,188,371	1,305,306	1,330,291	1,399,147	1,430,805	1,453,796
Industrial machinery	668,910	782,207	719,089	739,746	707,781	757,497	761,098	775,955
Office equipment	461,055	471,197	469,282	565,560	622,510	641,650	669,707	677,841
Gross fixed capital formation	2,921,293	3,335,697	3,278,326	3,262,778	3,371,069	3,459,901	3,579,845	3,726,893

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

(Millions of Baht)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Construction	642,821	691,834	691,867	677,748	784,133	846,807	828,865	855,804
Private	332,572	358,418	372,965	360,653	361,713	365,590	362,390	380,325
Dwellings	176,206	192,740	203,295	200,327	198,656	203,129	203,347	210,723
Non-dwelling construction	106,949	114,905	116,299	106,616	108,128	103,664	104,006	105,438
Other construction	37,177	37,718	38,061	39,022	40,091	43,317	39,830	47,695
Costs of ownership transfer	10,934	11,685	14,201	13,547	13,753	14,497	14,384	15,315
Public	309,332	332,440	318,683	316,664	420,053	478,040	463,458	472,468
Dwellings	30,410	27,189	15,175	14,685	12,456	10,950	10,376	10,076
Non-dwelling construction	52,952	60,617	69,171	65,448	96,234	85,783	88,795	89,034
Other construction	225,524	244,139	233,873	235,920	310,447	381,412	364,221	373,325
Machinery and other equipment	1,455,284	1,632,021	1,608,039	1,571,194	1,556,729	1,559,793	1,620,507	1,686,155
Transport equipment	687,992	789,617	791,503	720,035	718,438	666,776	754,845	809,391
Road motor equipment	504,408	638,125	639,905	594,293	597,226	565,417	630,500	677,435
Other vehicles	185,523	153,821	153,953	129,709	124,576	101,403	126,746	134,299
Machinery and equipment	778,798	857,542	832,717	862,636	850,448	893,733	878,694	896,017
Industrial machinery	457,648	531,056	505,356	498,534	488,658	499,358	478,101	490,415
Office equipment	320,380	325,213	326,296	362,733	360,303	390,521	395,817	400,902
Gross fixed capital formation	2,101,552	2,326,977	2,303,441	2,252,515	2,350,865	2,418,543	2,461,276	2,554,311

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)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Construction	135.5	145.9	145.9	142.9	165.3	178.6	174.8	180.4
Private	167.3	180.3	187.6	181.4	182.0	183.9	182.3	191.3
<i>Dwellings</i>	169.3	185.2	195.4	192.5	190.9	195.2	195.4	202.5
<i>Non-dwelling construction</i>	166.6	179.0	181.1	166.1	168.4	161.5	162.0	164.2
<i>Other construction</i>	163.5	165.9	167.4	171.7	176.4	190.5	175.2	209.8
<i>Costs of ownership transfer</i>	140.8	150.5	182.9	174.4	177.1	186.7	185.2	197.2
Public	112.3	120.7	115.7	114.9	152.5	173.5	168.2	171.5
<i>Dwellings</i>	376.4	336.5	187.8	181.7	154.2	135.5	128.4	124.7
<i>Non-dwelling construction</i>	144.1	165.0	188.2	178.1	261.9	233.4	241.6	242.3
<i>Other construction</i>	97.8	105.8	101.4	102.3	134.6	165.4	157.9	161.8
Machinery and other equipment	184.2	206.6	203.6	198.9	197.1	197.5	205.1	213.5
Transport equipment	303.9	348.8	349.6	318.0	317.3	294.5	333.4	357.5
<i>Road motor equipment</i>	284.3	359.6	360.6	334.9	336.6	318.7	355.3	381.8
<i>Other vehicles</i>	378.9	314.2	314.4	264.9	254.4	207.1	258.9	274.3
Machinery and equipment	138.2	152.2	147.8	153.1	150.9	158.6	155.9	159.0
<i>Industrial machinery</i>	141.2	163.9	155.9	153.8	150.8	154.1	147.5	151.3
<i>Office equipment</i>	133.8	135.8	136.3	151.5	150.5	163.1	165.3	167.4
Gross fixed capital formation	166.2	184.1	182.2	178.2	186.0	191.3	194.7	202.0

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

	2011	2012	2013	2014	2015	2016r	2017r	2018p
	Percent							
Construction	-4.6	7.6	0.0	-2.0	15.7	8.0	-2.1	3.3
Private	6.7	7.8	4.1	-3.3	0.3	1.1	-0.9	4.9
<i>Dwellings</i>	3.2	9.4	5.5	-1.5	-0.8	2.3	0.1	3.6
<i>Non-dwelling construction</i>	9.9	7.4	1.2	-8.3	1.4	-4.1	0.3	1.4
<i>Other construction</i>	15.2	1.5	0.9	2.5	2.7	8.0	-8.0	19.7
<i>Costs of ownership transfer</i>	5.9	6.9	21.5	-4.6	1.5	5.4	-0.8	6.5
Public	-14.2	7.5	-4.1	-0.6	32.6	13.8	-3.1	1.9
<i>Dwellings</i>	-9.4	-10.6	-44.2	-3.2	-15.2	-12.1	-5.2	-2.9
<i>Non-dwelling construction</i>	-9.4	14.5	14.1	-5.4	47.0	-10.9	3.5	0.3
<i>Other construction</i>	-15.8	8.3	-4.2	0.9	31.6	22.9	-4.5	2.5
Machinery and other equipment	9.9	12.1	-1.5	-2.3	-0.9	0.2	3.9	4.1
Transport equipment	28.2	14.8	0.2	-9.0	-0.2	-7.2	13.2	7.2
<i>Road motor equipment</i>	11.9	26.5	0.3	-7.1	0.5	-5.3	11.5	7.4
<i>Other vehicles</i>	131.0	-17.1	0.1	-15.7	-4.0	-18.6	25.0	6.0
Machinery and equipment	-1.1	10.1	-2.9	3.6	-1.4	5.1	-1.7	2.0
<i>Industrial machinery</i>	-1.1	16.0	-4.8	-1.3	-2.0	2.2	-4.3	2.6
<i>Office equipment</i>	-1.1	1.5	0.3	11.2	-0.7	8.4	1.4	1.3
Gross fixed capital formation	4.9	10.7	-1.0	-2.2	4.4	2.9	1.8	3.8

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

(Millions of Baht)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Tangible fixed assets	2,850,791	3,252,695	3,182,925	3,162,777	3,270,124	3,335,363	3,443,581	3,582,720
Dwellings	295,181	324,091	329,263	328,712	314,573	309,353	312,743	328,223
Other buildings and structures	579,227	663,573	668,291	654,660	800,134	821,420	810,761	843,620
Machinery and equipment	1,973,897	2,262,102	2,180,542	2,174,941	2,150,867	2,198,316	2,312,637	2,400,715
Cultivated assets	2,486	2,929	4,829	4,465	4,550	6,274	7,440	10,162
Intangible fixed assets	57,142	68,258	77,089	82,497	83,585	106,694	118,287	124,751
Mineral exploration	27,724	32,875	35,151	35,985	34,108	63,234	68,805	75,725
Computer software	29,418	35,383	41,938	46,512	49,477	43,460	49,482	49,026
Costs of ownership transfer	13,360	14,744	18,312	17,504	17,361	17,844	17,977	19,422
Gross fixed capital formation	2,921,293	3,335,697	3,278,326	3,262,778	3,371,069	3,459,901	3,579,845	3,726,893

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

(Millions of Baht)

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Tangible fixed assets	2,047,632	2,265,181	2,232,179	2,175,996	2,272,657	2,326,421	2,364,745	2,455,350
Dwellings	206,614	219,928	218,253	214,799	210,935	213,871	213,502	220,563
Other buildings and structures	401,771	432,953	463,032	455,846	609,222	631,292	619,264	638,966
Machinery and equipment	1,431,950	1,602,684	1,532,241	1,485,895	1,434,959	1,463,364	1,509,865	1,571,250
Cultivated assets	1,757	4,267	16,513	21,385	24,711	32,424	39,008	48,346
Intangible fixed assets	43,546	50,830	58,632	65,078	66,416	81,313	86,136	87,747
Mineral exploration	22,318	26,044	28,365	28,683	27,669	50,015	50,604	52,344
Computer software	22,168	25,883	31,404	37,455	39,845	32,759	36,967	36,852
Costs of ownership transfer	10,936	11,687	14,203	13,550	13,756	14,500	14,387	15,318
Gross fixed capital formation	2,101,552	2,326,977	2,303,441	2,252,515	2,350,865	2,418,543	2,461,276	2,554,311

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)**

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Tangible fixed assets	164.1	181.5	178.8	174.3	182.1	186.4	189.5	196.7
Dwellings	184.2	196.1	194.6	191.5	188.1	190.7	190.4	196.7
Other buildings and structures	114.5	123.4	132.0	130.0	173.7	180.0	176.6	182.2
Machinery and equipment	183.8	205.8	196.7	190.8	184.2	187.9	193.8	201.7
Cultivated assets	27.9	67.8	262.3	339.7	392.5	515.0	619.6	767.9
Intangible fixed assets	521.0	608.1	701.4	778.5	794.5	972.8	1,030.5	1,049.7
Mineral exploration	2,682.5	3,130.3	3,409.2	3,447.5	3,325.6	6,011.4	6,082.2	6,291.3
Computer software	294.5	343.9	417.2	497.6	529.4	435.2	491.1	489.6
Costs of ownership transfer	140.8	150.5	182.9	174.5	177.1	186.7	185.3	197.2
Gross fixed capital formation	166.2	184.1	182.2	178.2	186.0	191.3	194.7	202.0

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

Percent

	2011	2012	2013	2014	2015	2016r	2017r	2018p
Tangible fixed assets	4.7	10.6	-1.5	-2.5	4.4	2.4	1.6	3.8
Dwellings	1.2	6.4	-0.8	-1.6	-1.8	1.4	-0.2	3.3
Other buildings and structures	-9.0	7.8	6.9	-1.6	33.6	3.6	-1.9	3.2
Machinery and equipment	10.3	11.9	-4.4	-3.0	-3.4	2.0	3.2	4.1
Cultivated assets	-30.3	142.9	286.9	29.5	15.6	31.2	20.3	23.9
Intangible fixed assets	12.2	16.7	15.3	11.0	2.1	22.4	5.9	1.9
Mineral exploration	46.5	16.7	8.9	1.1	-3.5	80.8	1.2	3.4
Computer software	-8.0	16.8	21.3	19.3	6.4	-17.8	12.8	-0.3
Costs of ownership transfer	6.0	6.9	21.5	-4.6	1.5	5.4	-0.8	6.5
Gross fixed capital formation	4.9	10.7	-1.0	-2.2	4.4	2.9	1.8	3.8

National income

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

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Compensation of employees	3,430,944	3,812,499	4,041,907	4,323,540	4,554,169	4,711,543	4,855,710	5,046,273
Wages and salaries	3,033,299	3,393,830	3,600,119	3,839,449	4,026,068	4,142,128	4,251,863	4,412,554
Employers' social contributions	397,645	418,669	441,788	484,091	528,101	569,415	603,847	633,719
<i>Employers' actual social contributions</i>	120,355	118,036	136,318	158,414	169,913	176,570	183,897	193,714
<i>Employers' imputed social contributions</i>	277,290	300,633	305,470	325,677	358,188	392,845	419,950	440,005
Households mixed income and operating surplus	2,812,244	2,833,318	2,664,139	2,629,119	2,537,405	2,785,069	3,014,298	3,185,172
Households property income receivable	700,534	865,923	986,607	1,021,446	1,078,521	1,046,623	1,035,774	1,100,722
Interest	221,526	280,638	305,577	291,902	272,684	251,230	235,551	238,766
Distributed income of corporations	295,939	376,824	456,117	491,414	561,602	539,754	533,304	579,406
Investment income disbursements	109,496	126,718	139,944	155,102	163,185	173,698	184,944	198,074
Rent	73,573	81,743	84,969	83,028	81,050	81,941	81,975	84,476
General government property income receivable	165,526	178,784	194,127	209,437	223,094	221,190	235,393	254,030
Interest	31,692	39,719	43,696	43,113	45,883	44,309	44,147	42,372
Distributed income of corporations	90,254	86,628	104,330	119,288	130,004	121,228	130,150	146,064
Investment income disbursements	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Rent	15,320	20,305	11,364	9,303	7,240	12,247	15,714	18,056
Appropriated corporation profit	1,485,368	1,339,443	1,299,454	1,425,255	1,451,598	1,774,449	2,085,925	2,194,100
Savings of corporations	1,082,153	966,241	805,328	930,338	927,312	1,289,960	1,574,395	1,575,474
Corporate current taxes on income	652,921	660,416	704,087	662,078	653,868	644,309	649,281	744,212
Corporate transfer payments	-249,706	-287,214	-209,961	-167,161	-129,582	-159,820	-137,751	-125,586
<i>Received by general government</i>	13,720	17,116	14,452	21,332	29,730	4,369	23,837	26,406
<i>Received by households and NPISHs</i>	18,377	21,739	24,197	21,659	24,563	23,322	23,680	26,558
<i>Received by Row (net)</i>	-281,803	-326,069	-248,610	-210,152	-183,875	-187,511	-185,268	-178,550
Households property income payable	246,497	302,508	344,537	351,155	361,284	362,854	374,634	392,351
Interest	144,664	188,633	224,831	230,394	240,267	237,507	247,277	260,337
Investment income disbursements	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Rent	73,573	81,743	84,969	83,028	81,050	81,941	81,975	84,476
General government property income payable	159,585	179,026	176,429	192,353	197,487	210,720	211,856	221,945
Interest	131,321	146,890	141,688	154,616	157,516	167,309	166,467	174,402
Investment income disbursements	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Rent	4	4	4	4	4	5	7	5
Taxes on production and imports less subsidies	1,107,138	1,284,555	1,339,877	1,270,121	1,403,640	1,453,542	1,526,340	1,637,031
Net National Income (NNI)	9,295,671	9,832,988	10,005,145	10,335,410	10,689,656	11,418,842	12,166,950	12,803,032
Consumption of fixed capital	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,625,752	2,770,674
Gross National Income (GNI)	11,034,197	11,791,146	12,089,670	12,549,606	13,034,490	13,907,228	14,792,702	15,573,706
Primary income from the rest of the world, net	-272,710	-566,198	-825,489	-680,697	-708,973	-685,365	-693,851	-791,868
Gross Domestic Product (GDP)	11,306,907	12,357,344	12,915,159	13,230,303	13,743,463	14,592,593	15,486,553	16,365,574

Table 51 Savings and gross capital formation

(Millions of Baht)

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Private sector	2,276,923	2,607,561	2,541,236	2,572,184	2,506,163	2,529,341	2,654,863	2,768,970
Public sector	644,370	728,136	737,090	690,594	864,906	930,560	924,982	957,923
Change in inventories	107,991	127,344	267,804	-98,217	-298,624	-380,535	-28,885	395,148
Gross domestic capital formation	3,029,284	3,463,041	3,546,130	3,164,561	3,072,445	3,079,366	3,550,960	4,122,041
Net savings	1,817,762	1,616,685	1,430,579	1,422,243	1,508,898	1,901,914	2,321,208	2,415,574
Private sector	1,586,969	1,398,953	1,250,470	1,490,934	1,439,933	1,839,019	2,231,419	2,243,870
Households	622,527	583,165	560,543	649,807	637,953	758,481	896,270	898,023
Corporations and cooperatives	964,442	815,788	689,927	841,127	801,980	1,080,538	1,335,149	1,345,847
Public sector	230,793	217,732	180,109	-68,691	68,965	62,895	89,789	171,704
General government	113,082	67,279	64,708	-157,902	-56,367	-146,527	-149,457	-57,923
Public corporations and government enterprises	117,711	150,453	115,401	89,211	125,332	209,422	239,246	229,627
Provision for consumption of fixed capital	1,738,526	1,958,158	2,084,525	2,214,196	2,344,834	2,488,386	2,625,752	2,770,674
Statistical discrepancy	-234,214	-262,831	-225,649	-90,710	172,785	223,682	94,598	-150,958
Gross savings	3,322,074	3,312,012	3,289,455	3,545,729	4,026,517	4,613,982	5,041,558	5,035,290
Less : Surplus of the nation on current account	292,790	-151,029	-256,675	381,168	954,072	1,534,616	1,490,598	913,249
Finance of gross domestic capital formation	3,029,284	3,463,041	3,546,130	3,164,561	3,072,445	3,079,366	3,550,960	4,122,041

Table 52 General government income account

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Income								
Primary income receivable	1,595,731	1,795,800	1,882,825	1,850,760	1,957,690	2,016,475	2,110,036	2,267,823
Gross operation surplus	209,493	232,355	245,156	249,348	261,017	273,413	286,434	300,391
Taxes on production and imports	1,220,712	1,384,661	1,443,542	1,391,975	1,473,579	1,521,872	1,588,209	1,713,402
Property income	165,526	178,784	194,127	209,437	223,094	221,190	235,393	254,030
Interest	31,692	39,719	43,696	43,113	45,883	44,309	44,147	42,372
Dividends	90,254	86,628	104,330	119,288	130,004	121,228	130,150	146,064
Investment income payable on pension entitlement	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Rent	15,320	20,305	11,364	9,303	7,240	12,247	15,714	18,056
Secondary income receivable	1,836,149	2,133,294	2,115,686	2,042,535	2,201,157	2,207,084	2,295,230	2,387,603
Current taxes on income, wealth, etc.	886,235	925,098	988,890	915,579	944,041	945,045	940,953	1,048,574
Taxes on income	857,903	892,434	959,843	881,447	906,322	908,726	897,742	1,004,085
Other current taxes	28,332	32,664	29,047	34,132	37,719	36,319	43,211	44,489
Social contributions	340,494	356,245	378,522	427,890	460,340	510,715	541,014	570,509
Other current transfers	609,420	851,951	748,274	699,066	796,776	751,324	813,263	768,520
Non-life insurance claims	8	21	1	2	1	1	1	1
Current transfers within general government	580,745	814,877	712,042	656,299	734,081	701,203	762,526	710,498
Current international cooperation	3,592	5,214	3,120	3,497	2,190	3,009	2,572	3,063
Miscellaneous current transfers	25,075	31,839	33,111	39,268	60,504	47,111	48,164	54,958
Total income receivable	3,431,880	3,929,094	3,998,511	3,893,295	4,158,847	4,223,559	4,405,266	4,655,426
Use of income								
Primary income uses	273,159	279,132	280,094	314,207	267,426	279,050	273,725	298,316
Property income	159,585	179,026	176,429	192,353	197,487	210,720	211,856	221,945
Interest	131,321	146,890	141,688	154,616	157,516	167,309	166,467	174,402
Investment income payable on pension entitlement	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Rent	4	4	4	4	4	5	7	5
Subsidies	113,574	100,106	103,665	121,854	69,939	68,330	61,869	76,371
Secondary income uses	916,137	1,222,164	1,166,124	1,118,434	1,198,886	1,222,421	1,328,018	1,338,049
Social benefits other than social transfers in kind	275,045	326,151	330,096	346,702	376,524	422,139	457,995	533,378
Social security benefits in cash	22,352	26,986	29,400	30,159	31,332	36,394	38,769	44,247
Other social insurance benefits	197,138	215,128	207,476	227,205	252,364	294,399	315,210	332,761
Social assistance benefits in cash	55,555	84,037	93,220	89,338	92,828	91,346	104,016	156,370
Other current transfers	641,092	896,013	836,028	771,732	822,362	800,282	870,023	804,671
Net non-life insurance premiums	540	480	380	444	194	181	248	264
Current transfers within general government	580,745	814,877	712,042	656,299	734,081	701,203	762,526	710,498
Current international cooperation	1,553	1,334	1,375	1,819	1,602	2,548	1,980	1,718
Miscellaneous current transfers	58,254	79,322	122,231	113,170	86,485	96,350	105,269	92,191
Total income payable	1,189,296	1,501,296	1,446,218	1,432,641	1,466,312	1,501,471	1,601,743	1,636,365
Gross disposable income	2,242,584	2,427,798	2,552,293	2,460,654	2,692,535	2,722,088	2,803,523	3,019,061
Final consumption expenditure	1,825,136	2,020,794	2,113,369	2,238,084	2,353,042	2,460,817	2,521,454	2,643,382
Adjustment for the change in pension entitlement	94,873	107,370	129,060	131,124	134,843	134,385	145,092	133,211
Net saving	113,082	67,279	64,708	-157,902	-56,367	-146,527	-149,457	-57,923
Consumption of fixed capital	209,493	232,355	245,156	249,348	261,017	273,413	286,434	300,391
Total use of gross income	3,431,880	3,929,094	3,998,511	3,893,295	4,158,847	4,223,559	4,405,266	4,655,426

Note: - is zero or rounded to zero

n.a. is not available

Table 53 Households and NPISHs income account

(Millions of Baht)

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Income								
Primary income receivable	6,943,722	7,511,740	7,692,653	7,974,105	8,170,095	8,543,235	8,905,782	9,332,167
<i>Compensation of employees</i>	3,430,944	3,812,499	4,041,907	4,323,540	4,554,169	4,711,543	4,855,710	5,046,273
<i>Mixed income</i>	2,812,244	2,833,318	2,664,139	2,629,119	2,537,405	2,785,069	3,014,298	3,185,172
<i>Property income receivable</i>	700,534	865,923	986,607	1,021,446	1,078,521	1,046,623	1,035,774	1,100,722
Secondary income receivable	455,138	539,510	612,239	623,930	609,334	656,855	735,378	815,712
Social benefits other than social transfers in kind	275,045	326,151	330,096	346,702	376,524	422,139	457,995	533,378
Other current transfers	180,093	213,359	282,143	277,228	232,810	234,716	277,383	282,334
<i>from corporate</i>	18,377	21,739	24,197	21,659	24,563	23,322	23,680	26,558
<i>from general government</i>	54,093	74,899	112,035	105,648	76,012	68,835	95,626	82,937
<i>from the rest of the world</i>	107,623	116,721	145,911	149,921	132,235	142,559	158,077	172,839
Total income receivable	7,398,859	8,051,250	8,304,892	8,598,035	8,779,429	9,200,090	9,641,160	#####
Use of income								
Primary income payable	246,497	302,508	344,537	351,155	361,284	362,854	374,634	392,351
Property income payable	246,497	302,508	344,537	351,155	361,284	362,854	374,634	392,351
Secondary income payable	636,464	690,387	741,668	769,560	858,230	916,453	935,605	987,996
Current taxes on income, wealth, etc.	233,314	264,682	284,803	253,501	290,173	300,736	291,672	304,362
Net social security contribution	340,494	356,245	378,522	427,890	460,340	510,715	541,014	570,509
Other current transfers	62,656	69,460	78,343	88,169	107,717	105,002	102,919	113,125
<i>to general government</i>	6,662	9,841	8,084	9,972	20,108	15,047	14,437	19,035
<i>to the rest of the world</i>	55,994	59,619	70,259	78,197	87,609	89,955	88,482	94,090
Total income payable	882,961	992,895	1,086,205	1,120,715	1,219,514	1,279,307	1,310,239	1,380,347
Disposable income	6,515,898	7,058,355	7,218,687	7,477,320	7,559,915	7,920,783	8,330,921	8,767,532
Final consumption expenditure	5,988,244	6,582,560	6,787,204	6,958,637	7,056,805	7,296,687	7,579,743	8,002,720
Adjustment for the change in pension entitlement ^{1/}	94,873	107,370	129,060	131,124	134,843	134,385	145,092	133,211
Saving	622,527	583,165	560,543	649,807	637,953	758,481	896,270	898,023
Total use of disposable income	6,515,898	7,058,355	7,218,687	7,477,320	7,559,915	7,920,783	8,330,921	8,767,532
Per capita disposable income (Baht)	98,236	105,761	107,498	110,664	111,198	115,933	121,089	126,869
Per capita final consumption expenditure (Baht)	90,281	98,631	101,072	102,987	103,798	106,798	110,171	115,802
Per capita saving (Baht)	9,385	8,738	8,347	9,617	9,384	11,102	13,027	12,995
Population (1,000 Heads)	66,329	66,739	67,152	67,568	67,986	68,322	68,800	69,107

Table 54 Compensation of employees

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Domestic	3,411,393	3,783,696	4,016,251	4,300,943	4,533,734	4,689,516	4,846,447	5,042,849
Agriculture	186,587	212,101	214,783	203,083	187,482	189,600	196,576	202,555
Agriculture, forestry and fishing	186,587	212,101	214,783	203,083	187,482	189,600	196,576	202,555
Non-Agriculture	3,224,806	3,571,595	3,801,468	4,097,860	4,346,252	4,499,916	4,649,871	4,840,294
Industrial	986,815	1,100,513	1,162,734	1,273,831	1,358,017	1,387,568	1,413,870	1,470,226
Mining and quarrying	21,053	25,513	30,216	31,201	29,613	28,541	29,310	31,085
Manufacturing	878,969	985,451	1,039,349	1,148,327	1,221,541	1,250,080	1,267,123	1,311,969
Electricity, gas, steam and air conditioning supply	79,293	81,010	83,838	84,461	96,199	98,177	105,763	115,157
Water supply; sewerage, waste management and remediation	7,500	8,539	9,331	9,842	10,664	10,770	11,674	12,015
Services	2,237,991	2,471,082	2,638,734	2,824,029	2,988,235	3,112,348	3,236,001	3,370,068
Construction	169,237	185,182	195,416	192,060	197,968	204,325	200,910	202,226
Wholesale and retail trade; repair of motor vehicles and motorcycles	299,435	335,914	367,277	407,810	426,209	449,853	474,927	488,817
Transportation and storage	127,156	137,314	145,957	151,707	164,155	171,492	181,758	189,532
Accommodation and food service activities	81,333	90,105	103,605	117,385	133,351	146,889	166,467	183,007
Information and communication	59,040	64,430	69,178	67,332	72,531	73,324	73,912	75,195
Financial and insurance activities	225,224	249,767	270,241	290,552	308,564	319,428	326,889	341,736
Real estate activities	40,476	43,785	46,365	47,849	50,086	50,840	53,017	54,709
Professional, scientific and technical activities	59,057	67,219	69,195	71,510	74,324	74,717	76,689	79,647
Administrative and support service activities	53,429	56,409	54,548	56,288	58,244	59,560	61,418	64,248
Public administration and defence; compulsory social security	502,811	534,908	557,649	596,040	626,484	653,625	678,453	705,037
Education	414,416	470,517	496,414	533,896	561,078	572,680	587,230	617,543
Human health and social work activities	152,339	175,645	198,722	223,961	242,562	259,571	275,423	287,285
Arts, entertainment and recreation	6,874	8,511	9,832	10,290	11,224	11,763	12,494	13,234
Other service activities	26,661	28,753	31,038	32,575	33,646	36,178	38,758	40,424
Activities of households as employers	20,503	22,623	23,297	24,774	27,809	28,103	27,656	27,428
The rest of the world	19,551	28,803	25,656	22,597	20,435	22,027	9,263	3,424
Total	3,430,944	3,812,499	4,041,907	4,323,540	4,554,169	4,711,543	4,855,710	5,046,273

Table 55 Households and NPISHs mixed income receivable

(Millions of Baht)

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Farm income	824,338	871,557	893,192	817,123	738,530	751,775	781,969	801,315
Other	1,987,906	1,961,761	1,770,947	1,811,996	1,798,875	2,033,294	2,232,329	2,383,857
Total	2,812,244	2,833,318	2,664,139	2,629,119	2,537,405	2,785,069	3,014,298	3,185,172

Table 56 Households and NPISHs property income receivable

(Millions of Baht)

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Rent	73,573	81,743	84,969	83,028	81,050	81,941	81,975	84,476
Actual rent	14,834	16,312	16,808	16,271	15,880	16,051	16,053	16,548
Imputed rent	58,739	65,431	68,161	66,757	65,170	65,890	65,922	67,928
Interest	221,526	280,638	305,577	291,902	272,684	251,230	235,551	238,766
Interest paid by banks to households and NPISHs	187,215	240,052	273,910	262,295	249,611	223,208	212,351	212,719
Government bond interest	30,383	27,848	19,023	18,547	12,592	13,095	7,456	9,120
Others	6,925	17,156	17,769	16,175	15,325	18,972	19,572	20,853
Net interest received from ROW	-2,997	-4,418	-5,125	-5,115	-4,844	-4,045	-3,828	-3,926
Distributed income of corporations	295,939	376,824	456,117	491,414	561,602	539,754	533,304	579,406
Dividends from private corporations	244,032	319,129	393,693	425,617	491,033	460,236	445,690	484,498
Dividends from cooperatives	42,402	47,863	52,938	58,197	62,725	69,151	74,817	81,671
Dividends from public corporations	9,505	9,832	9,486	7,600	7,844	10,367	12,797	13,237
Investment income disbursements	109,496	126,718	139,944	155,102	163,185	173,698	184,944	198,074
Beneficiaries from provident fund	16,446	19,906	21,442	21,884	21,344	19,189	18,537	19,105
Beneficiaries from government pension fund	16,695	18,570	19,284	21,145	22,220	21,851	21,793	23,070
Investment income payable on pension entitlement ^{1/}	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Investment income attributable to insurances policy holder	48,095	56,110	64,481	74,340	79,654	89,252	99,232	108,361
Total	700,534	865,923	986,607	1,021,446	1,078,521	1,046,623	1,035,774	1,100,722

Note : ^{1/} Governmental funds consist of social security fund (In the case of child allowance and old age),
Bangkok Metropolitan Administration pension fund and local administration pension fund.

Table 57 Household and NPISHs property income payable

(Millions of Baht)

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Interest	144,664	188,633	224,831	230,394	240,267	237,507	247,277	260,337
Interest paid to banks	85,292	115,997	139,039	137,291	135,542	129,082	131,925	139,569
Pawnshop interest	5,986	7,007	6,815	6,441	6,299	6,516	6,841	6,722
Interest on loan from life insurance policy	698	847	945	1,043	1,137	1,201	1,344	1,521
Interest paid to cooperatives	50,239	62,084	74,747	81,834	93,061	94,874	99,749	105,349
Others	2,450	2,698	3,285	3,785	4,228	5,834	7,418	7,176
Investment income disbursements	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Investment income payable on pension entitlement ^{1/}	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Rent	73,573	81,743	84,969	83,028	81,050	81,941	81,975	84,476
Total	246,497	302,508	344,537	351,155	361,284	362,854	374,634	392,351

Note : ^{1/} Governmental funds consist of social security fund (In the case of child allowance and old age),
private teacher aid fund
Bangkok Metropolitan Administration pension fund and local administration pension fund.

Table 58 Saving of corporations

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Saving of private corporation	957,489	808,415	681,323	834,005	791,899	#####	#####	#####
Saving of public corporation and government enterprises	117,711	150,453	115,401	89,211	125,332	209,422	239,246	229,627
Saving of cooperatives	6,953	7,373	8,604	7,122	10,081	10,880	11,871	13,074
Total	1,082,153	966,241	805,328	930,338	927,312	1,289,960	1,574,395	1,575,474

Table 59 Corporate transfer payments received by household and NPISHs

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Transfer from private corporation	14,488	17,987	20,382	18,913	20,152	20,835	20,682	22,527
Transfer from public corporation and government enterprises	3,093	3,194	2,668	2,312	3,241	1,982	2,451	2,557
Transfer from cooperatives	796	558	1,147	434	1,170	505	547	1,474
Total	18,377	21,739	24,197	21,659	24,563	23,322	23,680	26,558

Table 60 Taxes

	(Millions of Baht)							
	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Taxes								
Current taxes on income, wealth, etc.	886,235	925,098	988,890	915,579	944,041	945,045	940,953	1,048,574
Taxes on income	857,903	892,434	959,843	881,447	906,322	908,726	897,742	1,004,085
From corporation	635,842	641,226	687,298	642,468	632,293	623,236	622,758	717,834
From households	222,061	251,208	272,545	238,979	274,029	285,490	274,984	286,251
Other current taxes	28,332	32,664	29,047	34,132	37,719	36,319	43,211	44,489
From corporation	17,079	19,190	16,789	19,610	21,575	21,073	26,523	26,378
From households	11,253	13,474	12,258	14,522	16,144	15,246	16,688	18,111
Taxes on production and imports	1,220,712	1,384,661	1,443,542	1,391,975	1,473,579	1,521,872	1,588,209	1,713,402
Taxes on products	1,145,656	1,303,706	1,351,505	1,303,157	1,388,433	1,422,778	1,489,880	1,608,119
Value added type taxes (VAT) ^{1/}	450,545	507,039	522,724	531,117	556,442	557,872	594,433	637,347
Taxes and duties on imports excluding VAT	159,607	211,522	183,960	179,553	185,550	194,093	206,278	212,773
Import duties	102,010	120,050	106,972	108,770	112,322	103,471	103,506	107,067
Taxes on imports excluding VAT and duties	57,597	91,472	76,988	70,783	73,228	90,622	102,772	105,706
Export taxes	298	270	220	305	189	83	103	170
Taxes on products except VAT, import and export tax	535,206	584,875	644,601	592,182	646,252	670,730	689,066	757,829
Other taxes on production	75,056	80,955	92,037	88,818	85,146	99,094	98,329	105,283
Total taxes	2,106,947	2,309,759	2,432,432	2,307,554	2,417,620	2,466,917	2,529,162	2,761,976
Subsidies								
Subsidies on products	93,772	78,879	79,001	94,370	43,304	44,183	37,709	51,619
Import subsidies	3,596	3,106	3,041	3,674	816	962	1,284	1,742
Export subsidies	13,298	7,235	10,634	9,005	9,364	8,987	7,912	12,837
Other subsidies on products	76,878	68,538	65,326	81,691	33,124	34,234	28,513	37,040
Other subsidies on production	19,802	21,227	24,664	27,484	26,635	24,147	24,160	24,752
Total subsidies	113,574	100,106	103,665	121,854	69,939	68,330	61,869	76,371
Total taxes on production and imports less subsidies	1,107,138	1,284,555	1,339,877	1,270,121	1,403,640	1,453,542	1,526,340	1,637,031

Note : ^{1/} VAT originated from 1992

Table 61 Social contributions and social transfers

(Millions of Baht) ns of Baht)

	2011	2012r	2013r	2014r	2015r	2016r	2017r	2018p
Social contributions	340,494	356,245	378,522	427,890	460,340	510,715	541,014	570,509
Employers' actual social contributions ^{1/}	54,105	45,457	57,305	74,522	77,823	80,297	84,462	87,500
Employers' imputed social contributions	197,138	215,128	207,476	227,205	252,364	294,399	315,210	332,761
Households' actual social contributions ^{1/}	60,991	63,528	79,004	88,430	90,186	92,613	95,960	102,710
Households' social contributions supplements ^{1/}	28,260	32,132	34,737	37,733	39,967	43,406	45,382	47,538
Social benefits other than social transfers in kind	275,045	326,151	330,096	346,702	376,524	422,139	457,995	533,378
Social security benefits in cash ^{1/}	22,352	26,986	29,400	30,159	31,332	36,394	38,769	44,247
Other social insurance benefits	197,138	215,128	207,476	227,205	252,364	294,399	315,210	332,761
Social assistance benefits in cash	55,555	84,037	93,220	89,338	92,828	91,346	104,016	156,370
Social transfers in kind	870,307	982,822	1,012,806	1,096,910	1,148,884	1,211,321	1,253,220	1,293,686
Social transfers in kind - non-market production	656,899	737,151	774,914	852,780	905,607	951,101	985,839	1,030,869
Social transfers in kind - purchased market produ	213,408	245,671	237,892	244,130	243,277	260,220	267,381	262,817
<i>Social security benefits, reimbursements ^{1/}</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>5,567</i>
<i>Other social security benefits in kind ^{1/}</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>44,995</i>
<i>Social assistance benefits in kind</i>	<i>184,807</i>	<i>211,111</i>	<i>202,813</i>	<i>208,766</i>	<i>200,972</i>	<i>213,485</i>	<i>217,977</i>	<i>212,255</i>

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

- 1 Social security fund
- 2 The Workmen's 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:

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ตาราง / Tables	ผู้ประสานงาน / Coordinators	e-mail address	ต่อ / Ext. No.
Main Accounts			
Account 1. Production account	Natsuda Phetchnoon	natsuda@nesdc.go.th	6512
	Peeranat Dangskul	peeranat@nesdc.go.th	6521
Account 2. Generation of income account	Thanapat suntivong	thanapat@nesdc.go.th	6513
	Jaruwan Poolsuk	jaruwan@nesdc.go.th	6514
Account 3. Allocation of primary income account	Natsuda Phetchnoon	natsuda@nesdc.go.th	6512
	Santi Srisomboon	santi@nesdc.go.th	6526
Account 4. Secondary distribution of income account	Natsuda Phetchnoon	natsuda@nesdc.go.th	6512
Account 5. Use of disposable income account	Phirunthip Sukneongbung	phirunthip@nesdc.go.th	6505
	Jaruwan Poolsuk	jaruwan@nesdc.go.th	6514
Account 6. Redistribution of income in kind account	Natsuda Phetchnoon	natsuda@nesdc.go.th	6512
Account 7. Use of adjusted disposable income account	Natsuda Phetchnoon	natsuda@nesdc.go.th	6512
Account 8. External income account	Santi Srisomboon	santi@nesdc.go.th	6526
Gross Domestic Product, Chain Volume Measures			
Table 1 - 2.3	Peeranat Dangskul	peeranat@nesdc.go.th	6521
Gross Domestic Product (Production)			
Table 3 - 5.3, 22-23.2, 28-29.2, 32-33.2	Peeranat Dangskul	peeranat@nesdc.go.th	6521
Table 6 - 7.2, 12-15.2, 34-35.2	Nuttakorn Ajchariyasakunchai	nuttakorn@nesdc.go.th	6535
Table 8 - 9.2, 20-21.2, 24-25.2, 30-31.2	Nathicha Singnoi	Nathicha@nesdc.go.th	6527
Table 10 - 11.2, 18-19.2, 36-37.2	Mattanee Phumklai	mattanee@nesdc.go.th	6523
Table 16 - 17.2	Jindarat Shibue	jindarat-s@nesdc.go.th	6509
Table 26 - 27.2	Udomsuk Khieopong	udomsuk@nesdc.go.th	6506
Gross Domestic Product (Expenditure)			
<i>Private final consumption expenditure</i>			
Table 38 - 41.2	Phirunthip Sukneongbung	phirunthip@nesdc.go.th	6505
	Kittisak Sirikhun	Kittisak-s@nesdc.go.th	6538
<i>General government final consumption expenditure</i>			
Table 42 - 43.2	Natsuda Phetchnoon	natsuda@nesdc.go.th	6512
	Jaruwan Poolsuk	jaruwan@nesdc.go.th	6514
Capital formation			
Table 44 - 49.2	Jindarat Shibue	jindarat-s@nesdc.go.th	6509
	Jaruwan Poolsuk	jaruwan@nesdc.go.th	6514
	Supaporn Wareerat	supaporn_c@nesdc.go.th	6510
National Income			
Table 50 - 51	Santi Srisomboon	santi@nesdc.go.th	6526
	Kullatree Kitjaruwong	Kullatree@nesdc.go.th	6524
Table 52	Natsuda Phetchnoon	natsuda@nesdc.go.th	6512
	Jaruwan Poolsuk	jaruwan@nesdc.go.th	6514
Table 53 - 54	Santi Srisomboon	santi@nesdc.go.th	6526
	Kullatree Kitjaruwong	Kullatree@nesdc.go.th	6524
Table 55	Santi Srisomboon	santi@nesdc.go.th	6526
Table 56 - 57	Santi Srisomboon	santi@nesdc.go.th	6526
Table 58 - 59	Santi Srisomboon	santi@nesdc.go.th	6526
Table 60 - 61	Natsuda Phetchnoon	natsuda@nesdc.go.th	6512
	Jaruwan Poolsuk	jaruwan@nesdc.go.th	6514

