



รายได้ประชาชาติของประเทศไทย พ.ศ. ๒๕๕๘
แบบปริมาณลูกโซ่
National Income of Thailand 2015
Chain Volume Measures



สำนักงานคณะกรรมการพัฒนาการเศรษฐกิจและสังคมแห่งชาติ
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Preface

The Office of the National Economic and Social Development Board (NESDB) 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--namely production, expenditure and income, which reflect the overall economic activities of accounting of the country.

The National Income of Thailand 2015 edition, following the International System of National Accounts (SNA), is compiled using the chained volume measures (CVMs) in measuring the real terms. In this 2015 edition, data are revised back to 2009 in accordance with the latest available primary data and latest revision of data sources provided by responsible agencies. 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.

NESDB 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.



(Porametee Vimolsiri)
Secretary-General

National Economic and Social Development Board
January 2017

Revisions to the National Income of Thailand 2015 Edition

In this publication, the estimates have been revised back to 2009. The revisions are made based on the most recent data from the primary sources as follows:

1. Revising data

- Agricultural, forestry and fishing sector: revising crops and livestock production figures back to 2013 and 2014 according to the Agricultural Statistics of Thailand 2015 from the Office of Agricultural Economic, Ministry of Agriculture and Co-operatives. In addition, revising fishery production figures back to 2013 and 2014 according to the Fisheries Statistics of Thailand 2014 and the Fisheries Forecast of 2015 from the Department of Fisheries.
- Manufacturing sector: revising industrial production figures back to 2013 and 2014 according to the Manufacturing Product Index (MPI) from the Office of Industrial Economics, Ministry of Industry and data from relevant sectors.
- Construction sector: revising the data back to 2013 and 2014 on the item of reforestation in the private construction, the item of petroleum exploration, the item of donation for construction in the construction of the government, and other construction of the construction of state enterprises.
- Real estate activities; professional, scientific and technical activities; administrative and support service activities: revising the data according to income for value added tax assessment back to 2013 and 2014.
- Education; and human health and social work activities: revising data of education, and public health and social work activities back from 2009 to 2014.
- General government consumption expenditure: revising salary index and the expenditure of local government back to 2009. In addition, revising the data source of autonomous university according to Government Fiscal Management Information System (GFMIS) back to 2009. Moreover, adding two independent public agencies: 1) Office of the National Broadcasting and Telecommunications Commission (NBTC) and 2) Electronic Government Agency (EGA) back to 2010.
- Revising data of the export and import of merchandise and services; and data of primary income and secondary income back to 2009 according to the current accounts of the Bank of Thailand.
- Updating other basic data according to the latest data available from original data sources.

2. Abbreviation

- Revising the existing classification of economic activities, Thailand Standard Industrial Classification of All Economic Activities (TSIC) 2001, to TSIC 2009. See the details in the next page.
- 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.

****Any reproduction of data and materials in this publication must make a proper reference to NESDB as data source.****

Exposition of the Transition from Thailand Standard Industrial Classification of All Economic Activities (TSIC) 2001 to TSIC 2009

The Office of the National Economic and Social Development Board (NESDB) has long been responsible for compiling Gross Domestic Products (GDP) regularly in both annual and quarterly basis at current prices and chain volume measures (CVMs). At present, Thailand's economic activities within the production boundary comply with Thailand Standard Industrial Classification of All Economic Activities 2001 (TSIC 2001) which published by the Department of Employment, Ministry of Labor. TSIC 2001 is based on International Standard Industrial Classification of All Economic Activities revision 3 (1990) of the United Nations (UN) (ISIC Rev.3, 1990) and has been used in GDP compilation since the publication of the National Income of Thailand 2002 edition. Currently, the Department of Employment has revised the classification of national economic activities in order to be consistent with International Standard Industrial Classification of All Economic Activities revision 4 (2008): ISIC Rev.4 (2008), namely Thailand Standard Industrial Classification of All Economic Activities 2009 (TSIC 2009). Many agencies have also improved the data collection and presentation based on TSIC 2009 for example the National Statistical Office, the Department of Business Development, the Department of Revenue, and etc. Thus, the NESDB has to revise the existing classifications of economic activities to harmonize with TSIC 2009 in order to be beneficial to facilitate economic analysis effectively, be a standardized classification with the other agencies, and allow for data comparison at international levels.

The International Standard Industrial Classification of All Economic Activities (ISIC) was initiated by the Statistical Commission of the United Nations. The main purposes of the economic activities classification are intended to facilitate the collection of data, the presentation of economic and social standard statistical data, and an up-to-date framework for the international comparison of national statistics precisely and accurately. The ISIC has been reviewed and revised by the Statistical Commission for 5 revisions as follows the first revision of ISIC (ISIC, Rev.1) issued in 1958; the second revision (ISIC, Rev.2) issued in 1968; the third revision of ISIC (ISIC, Rev.3) issued in 1990; the update to the third revision (ISIC, Rev.3.1) issued in 2004; and the latest revision (ISIC, Rev.4) issued in 2008.

Thailand has primarily adopted and implemented the ISIC as the basis for developing national industrial classifications in 1972 by the Department of Labor, Ministry of Interior as the central agency. It is also comprised of many public and private agencies who gave recommendations and opinions based on the ISIC, Rev.2, 1968. The second revision of TSIC was issued in 2001 based on the ISIC, Rev.3, 1990. The third revision of TSIC was issued in 2009, the latest TSIC, based on ISIC, Rev.4, 2008 by the Department of Employment,

The guideline for classifications of the TSIC structure has been based on ISIC of the United Nations since the first revision of the ISIC. However, Thailand is using national classifications based on or derived from ISIC. This method is called “Derived Classifications”. Thoroughly, the international guideline of ISIC is adopted and then, the details of economic activities are added up in order to accord with domestic economic and social activities. The economic activities of ISIC are classified into four-digit classes but that of TSIC are classified into five-digit classes. Economic activities that are similar in respect of these criteria have been grouped together in the categories of ISIC.

For this National Income of Thailand publication, TSIC 2009 is used in the compilation of Gross Domestic Product (GDP) which revised the data from 1990 to 2015 for the advantage of users. However, TSIC 2001 is still used in the compilation of quarterly gross domestic product (QGDP) because the NESDB has a plan to change the existing compilation method of QGDP to new version to be consistent with TSIC 2009 in 2017 and publish them in 2018.

Executive Summary

The Thai economy in 2015, measured by the Gross Domestic Product (GDP), increased by 2.9%, better than a slight rise of 0.9% in 2014, mainly contributed by domestic demand from both consumption expenditure and investment. In addition, global economy recovery resulted in non-agricultural production improvement which was seen from production of both goods and services. Nevertheless, agricultural production continued to decrease due to the drought. Domestic consumption expenditure expanded, attributed mainly to an increase in private and general government final consumption expenditures. Moreover, public investment rose greatly as a consequence of disbursement acceleration measure. On the contrary, private investment kept contracting.

Production grew by 2.9%, higher than a rise of 0.9% in the previous year. Non-agricultural production, accounted for 91.3% of total production, grew by 3.9%, compared to a rise of 1.1% previously. Increase in production was seen from manufacturing growth with a 1.4% expansion, recovered from a zero growth in 2014, led by coke and refined petroleum products; chemicals and chemical products; and rubber and plastics products. Moreover, construction increased significantly by 17.0% as a consequence of disbursement acceleration of public construction. Services related to tourism expanded at a favorable growth in response to increasing number of tourists. On the contrary, agricultural production dropped by 5.7% due to the drought.

Domestic demand increased as a result of an expansion of private consumption expenditure, government consumption expenditure, and public investment. Supporting factors for private consumption expenditure were from low price level of major products, especially fuel prices as well as less stringent lending of commercial banks. This led to an expansion of private consumption expenditure with a growth of 2.2%, higher than a gradual rise of 0.9% in 2014. Moreover, gross fixed capital formation expanded at a rate of 4.4%, compared with a contraction of 2.2% in the previous year. The expansion was seen in public construction with a 29.3% growth in contrast to a fall of 7.1% in 2014 due to disbursement acceleration of public investment, particularly on the project of the development of water resources management system and land transport system. Government consumption expenditure grew by 3.0%, compared to a rise of 2.8% in the previous year and government's purchase of goods and services increased. Meanwhile, compensation of government employees showed a slowdown growth. For the external sector, exports of goods and services increased by 0.7% while imports of goods and services growth remained unchanged.

National income in 2015 recorded the value of Baht 9,271,795 million, grew by 2.7% compared to a 4.1% growth in the previous year. Sources of income were from a return to labor with the value of Baht 4,511,999 million or a 5.4% growth and a return to capital, land and operation with the value of 4,759,796 million or a 0.2% rise. In per capita terms, national income per capita in 2015 was Baht 137,899, higher than Baht 134,765 in 2014. Disposable income per capita was Baht 112,293 compared to consumption expenditure per capita of Baht 104,481. Hence, per capita personal saving valued at Baht 9,820, lower than Baht 9,961 in 2014.

For overall economic stability, gross saving expanded but investment contracted with a rise of 13.4% in saving and fall of 3.8% in investment. This led to a surplus in saving-investment gap or current account surplus with the value of Baht 1,104,350 million, accounting for 8.1% of GDP, continually higher than a surplus of Baht 493,515 million in 2014.

GDP implicit price deflator increased by 0.6%, lower than a rise of 1.3% in last year. Agricultural price index dropped by 4.9%, compared to a fall of 8.6% in 2014. Non-agricultural price index increased by 1.2%, lower than a 2.5% growth previously. Meanwhile, consumer prices index (CPI) and producer prices index (PPI) declined by 0.9% and 4.1%, respectively.

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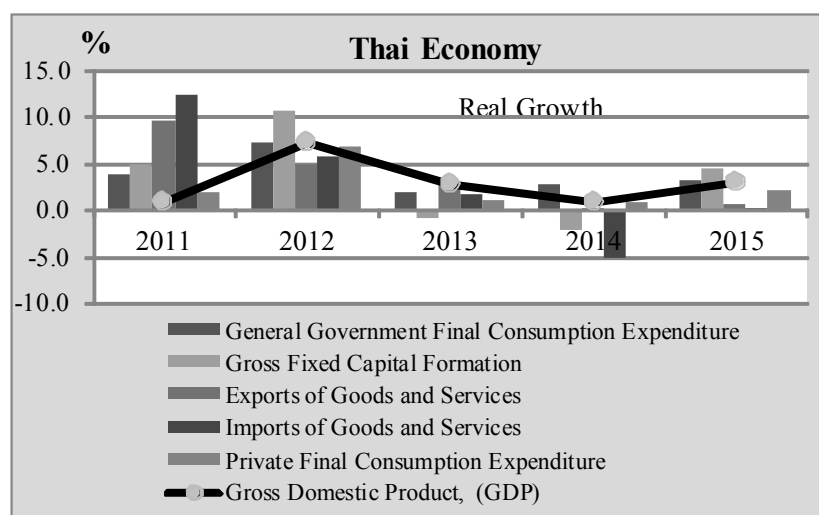
Thai Economy in 2015 National Accounts Perspectives

Overview

GDP expanded by 2.9% compared to a rise of 0.9% in 2014 as a result of the acceleration in domestic demand and investment.

Gross Domestic Product of 2015 increased by 2.9%, compared to a rise of 0.9% in 2014 as a result of the acceleration in domestic demand and investment. Private final consumption expenditure increased significantly owing to low level of inflation rate in line with low prices in major products particularly oil prices. Moreover, general government final consumption expenditure and public investment expanded greatly as a consequence of the acceleration in disbursement of loan program for the development of water resources management system and land transport system (priority project). Such accelerated domestic demand resulted in the expansion in GDP, mainly contributed by non-agricultural sector. Non-agricultural sector with highly increasing growth was seen in construction; and accommodation and food service activities, moreover manufacturing; transportation and storage; and financial and insurance activities showed favorable growths. On the contrary, agricultural sector continued to decline due to the contraction in major crops as a result of the drought.

Gross Domestic Product (GDP) of 2015 at current market prices valued at Baht 13,672,851 million. After deducting Baht 708,974 million of net factor income from the rest of the world, Gross National Product (GNP) registered at Baht 12,963,877 million, with a 3.6% growth. Given further deduction of net indirect taxes and depreciation, National Income (NI) of 2015 valued at Baht 9,271,795 million. The per capita GNP was Baht 192,812 while per capita NI was Baht 137,899, higher than that of Baht 134,765 in 2014 or a 2.3% growth.



Domestic Demand increased as a result of the expansion in private final consumption expenditure and public investment. Factors to the increase of growth were high household purchasing power due to low prices level of major products, as well as the improvement of non-farm income together with less stringent lending of commercial banks. As a result, private final consumption expenditure expanded by 2.2%, compared to a rise of 0.9% in the previous year. Gross Fixed Capital Formation expanded at a rate of 4.4%, compared with a contraction of 2.2% in the previous year. Public investment grew by 29.3% due to the acceleration in disbursement of major investment of the government.

Government Consumption Expenditure grew by 3.0%, compared to a rise of 2.8% in the previous year, attributed to the growth of 1.0% in compensation of employees, 12.1% in expenditure for goods and services, and 20.7% in purchase by household and enterprises.

External Sector showed the deceleration of exports at current market prices with a 3.0% growth, compared to a 4.2% growth in 2014. It was chiefly contributed to the decrease in merchandise export of 0.4% though service receipts increased by 17.1%. On the import side, the imports of goods and services at current market prices decreased by 4.9%, a further decline after its previous fall of 1.9% over the last year. In particular, both merchandise imports and services payments dropped by 5.8% and 1.0%, respectively. Trade and Services Balance at current market prices valued a surplus of Baht 1,584,468 million higher than Baht 896,743 million surplus in the previous year as a result of surplus in both goods and services. Trade balance registered a surplus of Baht 926,081 million, while service balance showed a surplus at Baht 658,387 million. However, net factor income revealed a deficit at Baht 708,974 million. Furthermore, net current transfers recorded a surplus at Baht 228,855 million. Ultimately, aggregation of all components led to a current account surplus at Baht 1,104,350 million in 2015.

National Income (NI) or income from factors of production in 2015 recorded the value of Baht 9,271,795 million, a 2.7% growth compared to a 4.1% growth in the previous year. Compensation of employees accounted for 48.7% of national income decelerated by 5.4%. In the meantime, the returns on capital, land, and firms, a 51.3% share, increased only by 0.2%. Net property income increased by 5.7% while operating income dropped by 0.6%.

Domestic Savings in 2015 registered the value of Baht 4,146,245 million, a rise of 13.4% compared to a rise of 7.2% in 2014. Overall net savings valued at Baht 1,519,041 million, an 8.4% growth in contrast to a fall of 4.7% previously. Public net saving increased sharply by 243.9%, while private net saving decreased by 2.4%.

Overall Economic Stability, an expansion in savings albeit a fall in investments, attributed to a 13.4% growth in savings and a 3.8% fall in investment. This led to a surplus in savings-investment gap and hence current account surplus with the value of Baht 1,104,350 million, accounting for 8.1% of GDP. Therefore, there was a continual shift from a current account surplus of Baht 493,515 million in the previous year.

GDP Implicit Price Deflator increased by 0.6%, decelerating from 1.3% in the last year. Agricultural price index dropped by 4.9%, compared to a fall of 8.6% in 2014. Concurrently, non-agricultural price index increased by 1.2%, lower than an earlier 2.5% growth. Consumer prices index (CPI) and producer prices index (PPI) declined by 0.9% and 4.1%, respectively.

Gross Domestic Product

GDP in 2015 grew by 2.9%, accelerating from a 0.9% growth in previous year by non-agricultural sector rose while agricultural sector still declined.

Gross domestic product in 2015 grew by 2.9%, improving from a 0.9% rise in 2014. This was attributed to a significant increase in non-agricultural sector with a 3.9% growth. Domestic demand was the main growth driver including a recovery of private consumption expenditure together with an increase in public investment. In addition, various economic stimulus packages and a high performance of tourism were also the supporting factors to the expansion. The relevant sectors showed the favorable growths such as construction, accommodation and food services, transportation, and other service activities. Besides, manufacturing sector grew by 1.4%, higher than a 0.0% growth previously. On the contrary, agricultural sector continued to decrease by 5.7%, owing to a decline in crops production and fishery. However, livestock still rose.

Agricultural production decreased continually by 5.7%, compared to a decline of 0.6% previously. This was due to a contraction of major crops as a result of the drought such as paddy, oil palm, rubber, and fruits. Livestock increased by 7.9%, owing to an expansion in swine and hen's egg. Fishery kept declining by 2.3%, following lower production of marine fishery. This was mainly due to the IUU fishing regulation and the fishing concession discontinuity for Thai's fishing boats by Indonesia.

Non-agricultural production grew by 3.9%, higher than a growth of 1.1% in the previous year, led by a recovery of manufacturing sector with a 1.4% growth. This was seen in some major activities such as refinery, chemical and chemical product, rubber and plastic product. In addition, construction sector grew sharply by 17.0% as well as a remarkable increase in service sectors that related to tourism including hotels and restaurants (14.6%), and transportation (4.2%), following a high number of foreign tourists with a growth of 20.6% in 2015.

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

(%)

Economic activities	Real GDP growth			Structure at current prices		
	2013	2014	2015	2013	2014	2015
Agriculture	0.7	-0.6	-5.7	11.3	10.1	8.7
Agriculture, forestry and fishing	0.7	-0.6	-5.7	11.3	10.1	8.7
Non-agriculture	3.0	1.1	3.9	88.7	89.9	91.3
Mining and quarrying	2.2	-1.6	2.2	3.8	3.8	3.1
Manufacturing	1.9	0.0	1.4	27.6	27.6	27.5
Electricity, gas, steam and air conditioning supply	-1.8	3.1	4.0	2.4	2.5	2.5
Water supply; sewerage, waste management and remediation activities	7.3	2.7	9.0	0.4	0.4	0.4
Construction	-0.2	-2.4	17.0	2.7	2.6	2.8
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.9	-0.8	3.9	13.4	13.6	14.2
Transportation and storage	5.2	3.0	4.2	5.4	5.5	5.7
Accommodation and food service activities	9.8	2.4	14.6	3.7	3.8	4.4
Information and communication	9.6	5.6	8.9	2.3	2.3	2.4
Financial and insurance activities	12.3	7.5	8.8	6.7	7.3	7.6
Real estate activities	1.0	2.2	2.2	2.5	2.5	2.4
Professional, scientific and technical activities	1.8	-1.1	-2.1	2.1	2.0	1.9
Administrative and support service activities	1.2	-2.8	3.5	1.8	1.8	1.7
Public administration and defence; compulsory social security	0.5	1.2	1.1	5.9	6.1	6.1
Education	1.9	1.2	-0.2	4.1	4.2	4.3
Human health and social work activities	3.8	5.3	3.7	1.9	2.0	2.1
Arts, entertainment and recreation	8.2	0.3	9.3	0.5	0.5	0.5
Other service activities	5.9	2.2	3.1	1.4	1.4	1.4
Activities of households as employers	-7.3	-4.4	3.7	0.2	0.2	0.2
Gross domestic product, (GDP)	2.7	0.9	2.9	100.0	100.0	100.0

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National Income of Thailand 2015, chain volume measures

Agricultural sector

Agricultural sector continually declined by 5.7%. Agricultural prices also declined.

Overall agricultural production decreased continually by 5.7% from a fall of 0.6% in 2014 as major agriculture production fell. Both non-perennial and perennial crops declined by 10.1% and 4.8%, respectively. Moreover, fishery declined by 2.3% whereas livestock still expanded by 7.9%. Agricultural services and forestry slightly expanded by 0.1% and 1.6%, respectively. Prices of agricultural products also fell by 4.9%.

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

(%)

Sector	2013	2014	2015
Agriculture, forestry and fishery growth	0.7	-0.6	-5.7
<i>Non-perennial crops</i>	-1.8	-3.5	-10.1
<i>Perennial crops</i>	5.4	5.4	-4.8
<i>Livestock</i>	2.9	8.6	7.9
<i>Agricultural services</i>	8.6	-5.4	0.1
<i>Forestry</i>	-8.9	8.0	1.6
<i>Fishery</i>	-6.2	-13.3	-2.3
Implicit price deflator growth	2.1	-8.6	-4.9

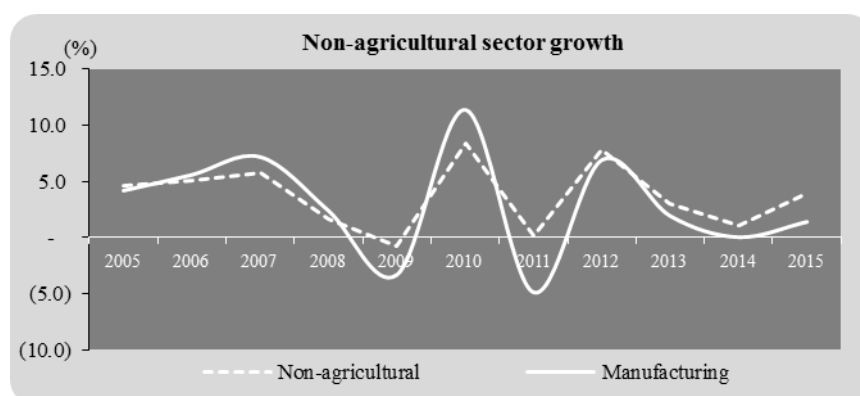
Agriculture, forestry and fishery

This sector decreased by 5.7%, lower than a 0.6% decline in the previous year. Major production activities are described as follows:

- **Non-perennial crops** fell by 10.1%, owing mainly to the drought. Major crops decreased as the 2nd round paddy fell, caused by the water shortage as well as a fall in the 1st round paddy, due to the delay of the rainy season. Consequently, total production of paddy fell by 20.4%.
- **Perennial crops** dropped by 4.8% as a result of unfavorable weather condition. Major productions namely rubber, oil palm, pineapple, and other fruits fell by 1.3%, 10.4%, 3.3%, and 7.4%, respectively.
- **Livestock** increased by 7.9%. Production of swine, cattle, chicken, and hen's egg increased by 11.5%, 4.0%, 4.6%, and 6.5%, respectively.
- **Agricultural services** increased slightly by 0.1% on account of a rise in planting areas.
- **Forestry** increased by 1.6% as a result of an increase in firewood and charcoal products.
- **Fishery** decreased by 2.3% improving from a fall of 13.3% previously. Freshwater fishery declined by 1.3%. Meanwhile, marines fishery decreased by 2.6%, better than an 11.5% fall in the previous year because the Early Mortality Syndrome (EMS) in shrimps receded. However, production of marine fish decreased as a result of the IUU fishing regulation and the Indonesia's cancellation on fishing license for Thai's fishing boats.
- **Implicit prices deflator of agricultural sector** declined by 4.9% as a result of prices of major agricultural products namely paddy, sugarcane, and rubber fell following the world market prices. In addition, prices of fishery products decreased, affected by higher supply in the global market as the EMS has subdued.

Non-agricultural expanded by 3.9% from a rise of 1.1% in previous year.

Non-agricultural sector



Mining and quarrying

Mining and quarrying increased by 2.2%, better than a decline of 1.6% in the previous year. This was from a rise of crude oil and natural gas production by 2.6%, compared with a decline of 1.8% in the previous year. Crude oil production rose by 9.8% (in major oil fields namely Sirikit, Manora, Yala, Karpong and Maliwan). Liquefied natural gas rose by 2.1% in major fields, namely, Bongkot, Satoon, South-parkarlung, Bonpot and Jakkawan. On the other hand, natural gas declined by 1.2%. Other minerals, namely stone and sand rose by 10.4%, while, lignite decreased by 16.0%.

Manufacturing

Manufacturing rose by 1.4%. Major manufacturing productions contributed to the expansion were beverages, petroleum, chemical and chemical products, rubber and plastic products, fabricated metal products, machinery and equipment, motor vehicle, and other transport equipment.

Industries with a favorable expansion

- **Beverages** expanded by 3.7%. This was due to a high production in spirits and beer following the improvement of domestic demand and the number of foreign tourists.
- **Petroleum refinery** increased by 8.2% as a result of higher domestic demand and lower oil prices. In addition, some refinery plants were shut down for repair and maintenance for longer periods in 2015.
- **Chemical and chemical products** expanded by 5.4% on account of an increase in petrochemical manufacturing following higher demand in downstream industries in both domestic and trading partners.
- **Rubber and plastic products** rose by 6.4%. Production of tires and tubes rose as a consequence of higher demand in vehicles industries. At the same time, plastic products rose because of higher demand in plastics articles for the packaging of goods.
- **Fabricated metal products** expanded by 5.3% in response to higher demand in treatment and coating of metal of downstream industries.
- **Machinery and equipment** rose by 4.4%. This was mainly from the increase in production of general-purpose machinery and office machinery due to higher domestic demand.

- **Motor vehicles** rose by 1.8%, from an increase in exports of compact cars (Eco car) to EU countries. Spare parts also increased.
- **Other transport equipment** rose by 3.5% on account of an increase in the manufacturing of motorcycles and ships. On the other hand, manufacturing of motorcycles slightly declined.
- **Other manufacturing industries** rose by 2.2% due to higher demand for manufacturing of jewelry and related articles.

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

(%)

	Growth rate (real term)			Structure at current prices		
	2013	2014	2015	2013	2014	2015
Food products	-1.2	2.2	-0.9	14.6	14.4	13.9
Beverages	4.5	1.7	3.7	7.3	7.5	7.7
Tobacco products	0.8	-3.3	-2.8	1.7	1.6	1.5
Textiles	1.8	-0.8	-3.3	3.4	3.2	3.0
Wearing apparel	-4.5	3.6	-6.9	2.1	2.2	2.0
Leather and related products	11.4	8.2	-6.2	1.1	1.2	1.1
Wood and products of wood and cork	4.4	9.6	0.7	1.1	1.2	1.2
Paper and paper products	-3.8	3.3	0.3	1.4	1.4	1.4
Printing and reproduction of recorded media	-2.5	-2.3	-4.9	0.3	0.3	0.3
Coke and refined petroleum products	3.0	3.1	8.2	6.7	7.4	8.2
Chemicals and chemical products	6.5	1.5	5.4	7.8	8.1	8.7
Basic pharmaceutical products and pharmaceutical preparations	13.9	5.9	5.0	0.9	0.9	0.9
Rubber and plastics products	4.2	1.7	6.4	7.0	6.7	7.1
Non-metallic mineral products	5.2	-1.3	-3.0	4.3	4.1	4.0
Basic metals	4.5	4.5	-1.4	1.8	1.9	1.7
Fabricated metal products, except machinery and equipment	-0.8	5.2	5.3	2.8	2.9	3.0
Computer, electronic and optical products	-2.3	5.8	-2.4	9.7	10.7	9.9
Electrical equipment	1.3	1.8	-2.3	4.6	5.1	4.9
Machinery and equipment not elsewhere classified	3.7	-2.1	4.4	4.3	4.1	4.3
Motor vehicles, trailers and semi-trailers	3.9	-18.1	1.8	9.5	7.9	7.8
Other transport equipment	-6.0	-8.7	3.5	2.4	2.2	2.6
Furniture	4.6	3.4	2.1	0.9	0.9	0.9
Other manufacturing	3.2	0.8	2.2	4.1	4.0	3.9
Repair and installation of machinery and equipment	1.8	18.7	4.9	0.0	0.1	0.1
Total value added	1.9	0.0	1.4	100.0	100.0	100.0

Industries with a contraction

- **Food products** contracted by 0.9% in contrast to a 2.2% growth in 2014, due primarily to a material shortage for canned food products and lower foreign demand following the GSP situation.
- **Textile** contracted by 3.3% on account of lower demand in both domestic and foreign markets. Moreover, materials for downstream industries were highly imported.
- **Wearing apparel** contracted by 6.9% because the production bases have been relocated to the neighbor countries along with a contraction in exports.
- **Leather and related products** decreased by 6.2%. This was due to a reduction in tanning industry and decorative leather industry following lower domestic demand of related industries.
- **Other non-metallic products** contracted by 3.0%. Production of cements and concrete decreased as a consequence of the change in patterns and technology of buildings construction, resulted to a lower demand of cements and concrete products.
- **Computer, electronic and optical products** contracted by 2.4% due to lower external demand in computers and parts. In addition, television production base has been moved to neighbor countries.
- **Electrical machinery and apparatus** dropped by 2.3% as a result of a decrease in households electrical machinery in line with lower domestic demand and exports.

Electricity, gas and air conditioning supply

Electricity, gas and air conditioning supply rose by 4.0%, accelerating from 3.1% growth in the previous year. Electric power generation, transmission and distribution expanded by 3.1% due to higher demand in all types. Gas separation rose by 14.3% faster than a 4.9% growth in the previous year.

Electricity and gas supply growth (real term)

(%)

Items	2013	2014	2015
Electricity	-1.0	3.0	3.1
Gas separate plant	-10.1	4.9	14.3
Total	-1.8	3.1	4.0

Electricity consumption growth and consumption structure

(%)

Items	2013	2014	2015
Consumption growth	1.5	2.6	3.6
Residential	3.3	3.5	5.9
Small enterprises	8.0	2.4	5.1
Medium enterprises	9.4	2.4	3.7
Large enterprises	2.2	1.9	1.5
Special enterprises	3.4	1.1	6.3
Others	-57.0	9.7	6.4
Consumption structure	100.0	100.0	100.0
Residential	23.6	23.8	24.3
Small enterprises	11.5	11.5	11.6
Medium enterprises	17.0	17.0	17.0
Large enterprises	42.5	42.2	41.3
Special enterprises	3.5	3.4	3.5
Others	2.0	2.1	2.2

Water supply; sewerage, waste management and remediation activities

Water supply; sewerage, waste management and remediation activities rose by 9.0% accelerating from a 2.7% growth in the previous year. This was attributable to the significant rise of water supply by 7.3%, in contrast to a fall of 0.5% in the previous year. Additionally, recycle of goods continually rose. Meanwhile, sewerage activities rose by 2.4%, slowing down from an expansion of 13.2% in the previous year.

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

(%)

Items	2013	2014	2015
Water supply	3.9	-0.5	7.3
Waste collection	26.2	13.2	2.4
Materials recovery	23.2	27.1	37.3
Total	7.3	2.7	9.0

Construction

Construction sector increased by 17.0%, recovered from a contraction of 2.4% in 2014. Public construction grew greatly by 32.5% as a result of an accelerating disbursement of the construction in the water resources management system and road transport system, priority project. In addition, private construction rose by 0.8%, improved from a reduction of 3.8% in 2014. This was driven by an increase in non-residential building construction in response to higher demand in office and commercial buildings, especially in areas along the sky train routes.

Wholesale and retail trade; repair of motor vehicles and motorcycles.

This sector increased by 3.9%, This was mainly due to a rise in wholesale and retail trade by 4.1% following higher domestic demand. In addition, a significant increase in the number of foreign tourists together with the government economic stimulus packages by the end of 2015 enhanced the consumer spending on both goods and services. Repair of motor vehicles and motorcycles rose by 2.0% following a favorable performance of sale and maintenance of vehicles.

Transportation and storage

This sector increased by 4.2%, compared to a growth of 3.0% in the previous year. This was attributable to an acceleration in air transports by 12.2%, higher than a 0.1% growth in the previous year as a result of the increase in freights and a number of passengers following higher tourists. Moreover, water transport rose by 6.3%. On the contrary, land transport fell by 3.6% which was affected by a reduction of passengers transport while freight transport still rose. Post activities fell by 0.2% which was consistent with lower revenue of entrepreneurs.

Accommodation and food service activities

This sector grew by 14.6%, continuingly increased from 2.4% in the previous year. Accommodation services grew greatly by 20.6%, much higher than a 3.2% rise previously, driven mainly the number of foreign tourists with an increase of 20.6%. The number of inbound tourists from East Asia rose by 36.3% (mainly from China and Malaysia, America, South Asia, and Middle East). Meanwhile, tourists from Europe declined following lower tourists from Russia. Moreover, bombing incident in Bangkok in August 2015 affected the European tourist's confidence. Food service activities rose by 10.3%, better than a growth of 1.8% previously. This was in part due to a project called "12 Cities...You Can't Say No" by The Tourism Authority of Thailand, resulted an increase in spending on food and beverages services, especially for domestic tourism.

Information and communication

Information and communication sector grew by 8.9%. Communication services grew by 7.6%, up from a growth of 5.1% in the previous year, attributed to the new spectrum auction that supported the efficiency of telecommunications industry. In addition, computer programming, consultancy and related activities rose by 12.2% as a result of the rise in information related activities. Meanwhile, motion picture, video and television program production, sound recording and musical publishing activities rose by 13.2% in response to new media channels.

Financial and insurance activities

The overall sector expanded by 8.8%, compared to a 7.5% growth in the previous year. This resulted from a continuing increase in operating income of financial institutions following a rise of both personal loan and commercial loan. In addition, income from fees and other services also rose. For insurance services, both life insurances and non-life insurances grew continuously.

Real estate activities

Real estate activities sector grew by 2.2%, contributed mainly to an expansion of renting of dwellings activities by 3.1%. Although real estate services contracted by 4.5%, this activity improved from a fall of 7.5% in the previous year. This was due largely to a higher real estate transactions following a government measure in real estate sector to reduce transfer and mortgage fees from 2.0% to 0.01% in the last quarter of 2015.

Professional, scientific and technical activities

This sector decreased by 2.1%. Management consultancy activities and research and development activities declined by 4.1%, and 3.4%, respectively. Meanwhile, legal activities, technical testing and analysis, advertising and market research, and veterinary activities slowed down. On the contrary, architectural and engineering activities; accounting, bookkeeping and auditing activities; tax consultancy; and photographic activities rose.

Administrative and support service activities

The overall sector grew by 3.5% in contrast to a reduction of 2.8% in the previous year. The major growth driver was an expansion in travel agency and tour operator activities by 11.4% because of higher number of Thai and foreign tourists. Furthermore, activities of employment placement agencies, security and investigation activities, and services to building and landscape activities rose by 12.2%, 11.0%, and 5.1%, respectively. However, office administrative and business support activities, the highest share of the sector, kept slowing down.

Education

Education decreased by 0.2% due mainly to a reduction in public education by 0.5%. Conversely, private education increased by 2.9%, compared to a 1.3% fall in the previous year. This was seen in high school education, non-formal education, vocational education, special education, and other education foundations which are consistent with higher number of students. However, private universities declined.

Human health and social work activities

Human health and social work activities grew by 3.7% as public health services accelerated by 4.7% and private health services grew by 2.2%, better than a zero growth in the previous year. The expansion in private sector was seen in all types of services providers including private hospitals, NPISHs, and child day-care activities.

Art, entertainment and recreation

This sector grew by 9.3%, compared to a 0.3% rise in the previous year. The expansion was from an increase in sale of lottery tickets following the new policy allowing for lottery reservation in advance. In addition, creative, arts and entertainment activities, private museum, botanical, sport activities, and other recreation activities kept rising.

Other service activities

Overall sector rose by 3.1% in comparison to a 2.2% growth in the previous year. Repair of computers and communication equipment and activities of membership organizations continually grew.

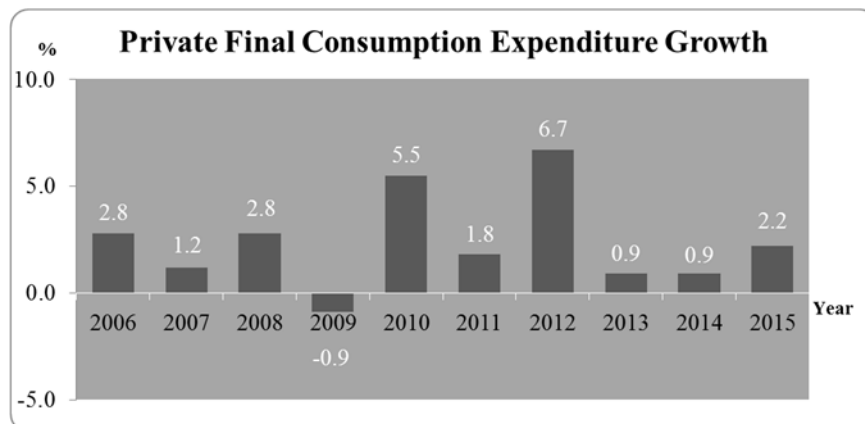
- Activities of membership organizations grew by 3.3%, owing to the expansion of activities of business employers' membership organization, political organization and other membership organizations not elsewhere classified.
- Repair of computers and communication equipment rose by 3.7%, attributed to an increase in repair of computers and communication equipment. Meanwhile, repair of household goods remained at the same level as last year.
- Other personal service activities rose by 2.3%, slightly lower than a 2.5% growth in the previous year. This was from the deceleration in laundry services, funeral activities, and other personal service activities.

Expenditure on Gross Domestic Product

Private final consumption expenditure in 2015 expanded by 2.2%.

Composition of private final consumption expenditure

Private final consumption expenditure in 2015 expanded by 2.2%, improving from a growth of 0.9% in 2014.



The main contributing factors to the expansion were the low inflation as a result of a fall of major commodity prices, especially a dramatic drop in oil prices, the less stringent lending by the commercial banks which induced the purchasing power, and the improvement of consumer confidence. These supporting factors led to an upward trend of overall consumption. Spending on semi-durable goods and non-durable goods continued to grow, while, net services decelerated. Nonetheless, spending on durables goods continuing contracted, this spending recovered from a sharp drop in the previous year.

Private final consumption expenditure in the domestic market excluding non-residents expanded by 1.8%, higher than an increase of 0.6% in 2014.

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

(%)

Item	Growth rate (real term)			Structure at current prices		
	2013	2014	2015	2013	2014	2015
PCE in domestic market	3.5	0.1	4.9	114.2	113.2	116.6
<i>less: expenditure of non – residents in the country</i>	20.7	-2.7	23.0	17.0	16.3	20.0
PCE excluding expenditure of non-residents	1.0	0.6	1.8	97.2	96.9	96.6
<i>plus: expenditure of residents abroad</i>	-0.9	11.9	12.6	2.8	3.1	3.4
PCE	0.9	0.9	2.2	100.0	100.0	100.0

Private final consumption expenditure in the domestic market - including expenditure of non-residents in the country and excluding expenditure of residents abroad - expanded by 4.9% in comparison to a rise of 0.1% in the previous year. This was from an increase of household final consumption expenditure by 5.0%, whereas non-profit institutions serving households final consumption expenditure reduced.

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 % in comparison to a rise of 1.3% in 2014. Food expanded by 2.4%, improving from 0.7% in the previous year. The growth was seen in almost all items, especially seafood and vegetables, bread and cereals, and meat. Nonetheless, consumption of non-alcoholic beverage slowed down by 0.2%, compared to a rise of 4.9% in 2014. In particular, juices and soft drinks decreased according to a reduction of its sale.

Alcoholic beverages and tobacco expanded by 1.6%, better than a decrease of 2.1% in the previous year. Alcoholic beverages rose by 1.9%, improving from a drop of 4.4% in 2014. This was a result of an increase in consumption of liquor, beer, and wine. Meanwhile, tobacco consumption expanded gradually by 0.9%, decelerating from a rise of 2.8% in the previous year following lower sale volumes of cigarette of Thailand Tobacco Monopoly.

Clothing and footwear increased by 1.9%, in contrast to a 2.1% decrease in the previous year. This was a result of a rising consumption in both clothing and footwear. Spending on clothing grew by 1.4%, better than a decline of 2.8% in 2014. In addition, footwear spending expanded by 7.3%, improving from the previous increase of 4.7%.

Housing, water, electricity, gas and other fuels expanded by 4.8% in comparison to an increase of 3.6% in 2014. This was a result of the rise in electricity consumption, rental for housing and expenses on gases and fuels. Meanwhile, household water supply consumption still expanded at the rate else to the previous year.

Furnishing, household equipment and routine maintenance of the house grew by 3.7%, better than a 2.1% growth in 2014. The spending on equipment and routine maintenance of the house increased by 4.1% from a growth of 2.1% in 2014, owing partially to a rise of expenditure on household textile. Conversely, spending on furniture and furnishings declined by 1.2%, compared to an expansion of 1.4% in 2014.

Health increased by 3.2%, better than an expansion of 2.9% in 2014. This was from an increase in expenditure of out-patient services with a growth of 2.2%, picked up from a drop in 2014. Medical services grew by 1.4%, higher than a rise of 1.1% in the previous year. Moreover, spending on medicines and medical supplies expanded by 5.4%.

Transport accelerated to 2.8% from a contraction of 11.3% in 2014. This was mainly due to the recovery of vehicle purchases from a contraction of 32.5% in 2014, accelerating to a decrease of only 9.3% in 2015 following the improvement of passenger cars sale. In terms of personal transportation, the spending expanded by 9.9%, faster than a rise of 1.8% in the previous year. Moreover, public transportation grew by 5.2%, owing partly to an increase in the number of foreign tourists.

Communication expanded by 6.5%, decelerating from a 10.7% growth in the previous year. Telephone services increased by 6.8%, lower than a 10.5% expansion in 2014, consistent with the revenue of service providers and the mobile phone airtime usages. Furthermore, expenses on postal services grew by 6.2%, slowing down from a 12.3% rise in 2014.

Recreation and culture grew by 3.0%, improving from a drop of 2.2% in 2014. This was evidenced by an increase in other recreational and cultural services with an 11.0% growth in 2015 from a decline of 3.1% in 2014. Meanwhile, spending on newspapers and magazines, and recreation equipment and instruments dropped by 4.2% and 14.4%, consecutively.

Education increased by 4.3% from a gradual rise of 0.1% in 2014. This was consistent with the higher number of students especially, in the vocational education.

Restaurants and hotels accelerated to 12.5% from an expansion of 2.2% in 2014. Restaurant services and hotel services greatly increased by 10.3% and 15.9%, higher than a rise of 3.4% and 0.3% in the previous year, respectively. The significant expansion was mainly due to the higher number of both Thai and foreign tourists along with the improvement of purchasing power following the relevant government stimulus measures.

Miscellaneous goods and services expanded by 8.5% from an increase of 7.0% in the previous year. Personal effects spending expanded by 16.2% from 11.3% in 2014. Moreover, personal services and financial services grew by 11.3% and 5.2% in comparison to an increase of 7.2% and 6.5% in the previous year, respectively.

Non-profit institutions serving households consumption expenditure decreased by 0.2% in contrast to an expansion of 7.2% in the previous year. Education, health, and social protection experienced a zero growth, compared to a 5.4% pickup in 2014. Moreover, other services reduced by 0.4% from a rise of 9.3% in 2014.

PCE by durability consist of 4 factors

Private consumption expenditure classified by durability 4 categories

Durable goods contracted by 4.1%, recovery from a decrease of 19.4% in the previous year. Purchase of vehicles dropped by 9.3%, better than a contraction of 32.5% in the previous year. Spending on furniture and households equipment decelerated to 0.6% from an increase of 1.2% in 2014. Moreover, other durable goods showed the favorable growths.

Semi-durable goods grew by 4.8%, higher than an expansion of 1.9% in the previous year. Major items including clothing, footwear, and household kitchenware and textiles continued to grow. In addition, expenditure on spare parts greatly increased following a higher household spending on repair and maintenance of vehicles.

Non-durable goods increased by 3.7% in comparison to a growth of 1.7% in the previous year. This was due primarily to the rise in consumption of food, beverages. Moreover, other non-durable goods that expanded including medicines and medical products and miscellaneous goods with the growth of 5.8% and 11.8%, consecutively.

Services expanded by 1.2%, decelerating from an increase of 6.4% in the previous year. Major services such as transport services, health, hotels and restaurants rose by 5.6%, 1.6%, and 12.5% in comparison to the expansion of 1.6%, 0.4%, and 2.2% in 2014, respectively. Other services that showed favorable growths including telecommunication services and domestic services with the increase of 6.8% and 2.8%, respectively. In 2015, expenditure of non-residents in the country increased greatly by 23.0% following the higher number of foreign tourists while expenditure of residents abroad grew at the rate close to last year. This led to the deceleration in net services consumption in 2015.

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

	Growth rate (%)			Structure (%)		
	2013	2014	2015	2013	2014	2015
By purpose (COICOP)						
<i>Food and non-alcoholic beverages</i>	-0.8	1.3	2.1	27.7	27.9	28.2
<i>Alcoholic beverages, tobacco and narcotics</i>	-2.8	-2.1	1.6	24.0	24.0	24.3
<i>Clothing and footwear</i>	-3.2	-2.1	1.9	5.4	5.3	5.3
<i>Housing, water, electricity, gas and other fuels</i>	1.7	3.6	4.8	2.9	3.1	3.1
<i>Furnishings, household equipment and routine maintenance of the house</i>	-0.6	2.1	3.7	3.0	2.9	3.0
<i>Health</i>	5.3	2.9	3.2	2.1	2.1	2.0
<i>Transport</i>	1.0	-11.3	2.8	1.3	1.3	1.3
<i>Communications</i>	6.1	10.7	6.5	2.3	2.3	2.3
<i>Recreation and culture</i>	7.9	-2.2	3.0	5.5	5.5	5.8
<i>Education</i>	5.8	0.1	4.3	0.8	0.8	0.8
<i>Restaurants and hotels</i>	12.3	2.2	12.5	0.8	0.8	0.8
<i>Miscellaneous goods and services</i>	10.9	7.0	8.5	3.8	3.9	3.9
<i>Individual consumption expenditure of Non-profit institutions serving households (NPISHs)</i>	5.8	7.2	-0.2	3.8	3.8	3.8
plus: <i>Expenditure of residents abroad</i>	-0.9	11.9	12.6	2.8	3.1	3.4
less: <i>Expenditure of non-residents in the country</i>	20.7	-2.7	23.0	17.0	16.3	20.0
Private consumption expenditure	0.9	0.9	2.2	100.0	100.0	100.0
By durable appearance						
<i>Durable goods</i>	0.3	-19.4	-4.1	11.5	9.1	8.7
<i>Semi-durable goods</i>	-1.7	1.9	4.8	8.8	8.9	9.3
<i>Non-durable goods</i>	0.8	1.7	3.7	45.8	46.3	46.1
<i>Services</i>	2.1	6.4	1.2	34.0	35.7	35.9

Composition of general government final consumption expenditure

General government final consumption expenditure at current market prices registered at the value of Baht 2,366,136 million with an increase of 5.5%. Government compensation of employees valued at Baht 1,287,733 million, an increase of 5.4% partially due to the 4.0% increase in salary of middle and lower-level civil servants which accumulated since December 2014 but later disbursed in July 2015. Wages and salaries along with pension increased by 4.6% and 14.5%, respectively. Meanwhile, purchases from enterprises and aboard with the value of Baht 696,627 million rose by 10.2% due to the rise in ordinary expense and repair and maintenance expense. Consumption of fixed capital registered at the value of Baht 259,716 million - a 4.2% increase. Social transfers in kind – purchased market production had a value of Baht 240,365 million with an increase of 0.3%, lower than a 0.8% increase in the previous year.

General government final consumption expenditure in real terms grew by 3.0%, attributed to 1.0% increase in compensation of employees, 12.1% in purchases from enterprises and aboard, and 0.7% in consumption of fixed capital. However, social transfers in kind – purchased market production dropped by 0.8%. Lastly, purchases by households and enterprises increased by 20.7%.

Gross capital formation

Gross Capital Formation or investment at current market prices recorded at the value of Baht 3,041,895 million, consisting of gross fixed capital formation and change in inventories with the value of Baht 3,373,323 million and Baht -331,428 million, respectively.

Gross fixed capital formation in real terms expanded by 4.4%, compared with a contraction of 2.2% in 2014 as a result of a continuing contraction of private investment by 2.2%, lower than a fall of 0.8% in 2014. However, public investment grew sharply by 29.3%, improving from a 7.1% contraction in 2014.

Investment (by type of institutions)

	Value at current market prices (Millions of Baht)			Growth rate (real term) (%)		
	2013	2014	2015	2013	2014	2015
Construction	1,052,166	1,038,464	1,158,192	0.0	-2.0	15.7
<i>Private</i>	555,072	543,891	529,357	4.1	-3.3	0.3
<i>Public</i>	497,094	494,573	629,555	-4.1	-0.6	32.5
Equipment	2,226,160	2,222,507	2,214,411	-1.5	-2.3	-0.8
<i>Private</i>	1,986,164	2,029,493	1,978,197	-2.9	-0.1	-2.9
<i>Public</i>	239,996	193,014	236,214	12.4	-20.5	20.9
Investment	3,278,326	3,260,971	3,373,323	-1.0	-2.2	4.4
<i>Private</i>	2,541,236	2,573,384	2,507,554	-1.5	-0.8	-2.2
<i>Public</i>	737,090	687,587	865,769	0.8	-7.1	29.3

Private Investment

Private investment at current market prices registered at the value of Baht 2,507,554 million, consisting of Baht 529,357 million of private construction and Baht 1,978,197 million of private machinery and equipment. Private investment in real terms continued to contract by 2.2%, compared to a fall of 0.8% in 2014.

Private Investment

	Value at current market prices (Millions of Baht)			Growth rate (real term) (%)		
	2013	2014	2015	2013	2014	2015
Construction	555,072	543,891	529,357	4.1	-3.3	0.3
<i>Residential</i>	306,479	306,604	295,710	5.5	-1.5	-0.8
<i>Non-residential</i>	173,431	161,304	158,754	1.2	-8.3	1.4
<i>Others</i>	56,850	58,478	57,532	0.9	2.5	2.7
<i>Cost of ownership transfer</i>	18,312	17,505	17,361	21.5	-4.6	1.5
Machinery and equipment	1,986,164	2,029,493	1,978,197	-2.9	-0.1	-2.9
Private Investment	2,541,236	2,573,384	2,507,554	-1.5	-0.8	-2.2

Private construction at current market prices recorded the value of Baht 529,357 million consisting of residential, non-residential, and other constructions with a value of Baht 295,710 million, Baht 158,754 million, and Baht 57,532 million, consecutively. Private construction in real terms increased by 0.3%, improving from a shrink of 3.3% in 2014 on account of a rise of non-residential buildings construction. This resulted from the higher demand for office and commercial buildings especially along the sky train route areas.

Private investment on equipment and machineries at current prices had the value of Baht 1,978,197 million and the real value continued to shrink by 2.9% in comparison to a 0.1% contraction in 2014. This was mainly due to a fall of industrial machineries in line with lower capital goods imports. Moreover, vehicles and transport equipment also contracted because of a decline in trucks and buses.

Public investment

Public investment at current market prices posted the value of Baht 865,769 million, comprising public construction and public machinery and equipment with the value of Baht 629,555 million, and Baht 236,214 million, consecutively. Public investment in real terms expanded by 29.3%, improving from a contraction of 7.1% in 2014.

Public investment

	Value at current market prices (Millions of Baht)			Growth rate (real term) (%)		
	2013	2014	2015	2013	2014	2015
Construction	497,095	494,574	629,555	-4.1	-0.6	32.5
<i>Residential</i>	22,784	22,108	18,863	-44.2	-3.2	-15.2
<i>Non-residential</i>	104,906	100,818	149,717	14.1	-5.4	47.0
<i>Others</i>	369,405	371,648	460,975	-4.2	0.9	31.4
Machinery and equipment	239,996	193,014	236,214	12.4	-20.5	20.9
Public investment	737,090	687,587	865,769	0.8	-7.1	29.3

Public construction at current market prices registered at the value of Baht 629,555 million, consisting of residential, non-residential, and other constructions with the value of Baht 18,863 million, Baht 149,717 million, and Baht 460,975 million, respectively. The real value of public construction rose significantly by 32.5%, recovery from a contraction of 0.6% in 2014 in consequence of the accelerated disbursement of the government project on loans for development of water resources management system and road transport system. Meanwhile construction of state enterprises is ongoing projects such as construction of substation buildings and transmission system of Metropolitan Electricity Authority (MEA).

Public machinery and equipment at current market prices valued at Baht 236,214 million. The real value of public machinery and equipment increased by 20.9%, in contrast to a 20.5% contraction in the previous year. In 2015, Thai Airways International Public Company Limited imported 6 aircrafts, compared to 5 aircrafts imports in 2014. Moreover, Mass Rapid Transit Authority of Thailand (MRT) also imported trains for the purple line train in 2015.

Investment (by type of assets)

	Value at current market prices (Millions of Baht)			Growth rate (real term) (%)		
	2013	2014	2015	2013	2014	2015
Tangible fixed assets	3,182,925	3,160,969	3,274,021	-1.5	-2.5	4.5
Residential	329,263	328,712	314,573	-0.8	-1.6	-1.8
Non-residential	668,291	655,062	799,314	6.9	-1.6	33.6
Machinery and equipment	2,180,542	2,172,731	2,155,583	-4.4	-3.1	-3.3
Cultivated assets	4,829	4,465	4,550	286.9	29.5	15.6
Intangible fixed assets	77,089	82,497	81,941	15.3	11.0	-0.1
Mineral exploration	35,151	35,985	32,462	8.9	1.1	-8.1
Software	41,938	46,512	49,480	21.3	19.3	6.4
Cost of ownership transfer	18,312	17,505	17,361	21.5	-4.6	1.5
Investment	3,278,326	3,260,971	3,373,323	-1.0	-2.2	4.4

Investment classified by type of assets

Tangible fixed assets at current market prices valued at Baht 3,274,021 million, consisting of residential construction, non-residential construction, machinery and equipment, and cultivated assets with the value at Baht 314,573 million, Baht 799,314 million, Baht 2,155,583 million, and Baht 4,550 million, respectively. The real value of tangible fixed assets expanded by 4.5%, better than a contraction of 2.5% in 2014, attributed to a 33.6% increase in other construction, compared to a fall of 1.6% in 2014. Residential buildings continued to shrink by 1.8% from a contraction of 1.6% in 2014. Likewise, machinery and equipment decreased by 3.3%, compared to a contraction of 3.1% in 2014.

Intangible fixed assets at current market prices posted the value of Baht 81,941 million, consisting of mineral exploration; and computer software with the values of Baht 32,462 million, and Baht 49,480 million, respectively. The real value of intangible fixed asset grew by 0.1%, lower than an expansion of 11.0% in the previous year, as a result of a contraction in mineral exploration by 8.1% in 2015, compared to a rise of 1.1% in 2014.

Cost of ownership transfer at current market prices valued at Baht 17,361 million. The real value expanded by 1.5%, decelerating from a 4.6% growth in 2014.

Change in inventories

Change in inventories at current market prices valued at -331,428 million Baht. Overall production, investment, and net exports expanded, meanwhile private consumption expenditure and general government final consumption expenditure decelerated from the previous year. The manufacturing goods with the increase in stock included jewelry and related articles; dairy products; and coffee. On the contrary, the stock of some manufacturing goods decreased; namely, plastic in primary form, motor vehicles and engines, and office automation and computing machinery. In specific, production of motor vehicles and engines showed sluggish growth, though the exports of passenger cars expanded in response to higher demand from Oceania, European, and North America countries. Meanwhile, the stock of crude oil decreased in terms of both quantity and prices as a consequence of the sharp decline in prices. Moreover, the stock of paddy declined due to the drought resulting in less supply to the mills as well as the government's offloading the rice scheme. In overall, change in inventories therefore decreased.

External Sectors

Exports of goods and services decelerated.

Exports of goods and services

Exports of goods and services at current market prices registered Baht 9,446,147 million, increased by 3.0%, lower than 4.2% in the previous year. This resulted from lower exports, however service receipts highly expanded.

Merchandise exports at current prices posted at 7,333,109 million Baht, fell by 0.4% in contrast to a 5.3% expansion in the preceding year. Export volume declined by 3.4%. Declining in agricultural exports derived from lower parboiled rice export to Nigeria due to producer protection policy as high import levy. Fisheries were influenced by illegal fishing boats non-operation. Reduction in manufacturing originated from lower pickup truck exports because the large vehicle company prepared to launch new model, in accompany with lower computer parts and accessories, telecommunication equipment, chemicals, petro chemical, petroleum products, and agro-manufacturing products. Export reduction resulted from China's economic slowdown along with low global demand situation. On the contrary, exports to CLMV countries including Cambodia, Laos P.D.R., Myanmar, and Vietnam kept high growth rates. In addition, export prices rose by 3.1%, decelerated from 4.6% in last year.

Service receipts at current market prices valued at 2,113,038 million Baht, increased by 17.1%, higher than a 0.1% decrease in last year. This was mainly derived from higher foreign tourists especially, East Asia, U.S.A. and India due to a political stability which led to an expansion in travel and transport receipts. Moreover, terrorism in Paris and blast in Bangkok along with the downgrade of Thailand's civil aviation safety standard by the International Civil Aviation Organization (ICAO) and the US Federation Aviation Administration (FAA) affected the country's tourism only in short term. On the contrary, other business service slowed down.

Imports of goods and services declined.

Imports of goods and services

Imports of goods and services at current market prices registered at 7,861,679 million Baht, fell by 4.9%, lower than a 1.9% decrease in 2014, due to lower in both goods and services imports.

Merchandise imports at current market prices registered the value of 6,407,028 million Baht, continued to decrease by 5.8% from a 2.5% contraction in 2014, mainly originated from lower import price level particularly, crude oil and petroleum products. Import volume slightly grew up by 0.2% on account of internal demand and tourism situation improvement, led to consumer goods expansion. Capital goods and raw material imports revealed a smaller subtraction in accordance with an increasing in public investment such as MRT purple line train as well as better production situation.

Service payments at current market prices shown showed value of 1,454,651 million Baht, diminished by 1.0% in comparison to a growth of 1.0% in 2014. This was largely contributed to freight payments. On the other hand, charge on passengers and travel payments lifted up in line with the number of Thai outbound. In addition, other business services and intellectual property charges expanded.

Trade and services balance and current account

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

Trade and services balance at current market prices presented a surplus at 1,584,468 million Baht, improving from 896,743 million Baht in 2014. Trade surplus of 926,081 million Baht was larger than 560,943 million Baht surplus in last year due to smaller imports. Services balance posted a surplus of 658,387 million Baht increasing from 335,800 million Baht surplus in previous year. Primary income (net factor income) showed a deficit of 708,974 million Baht fall away from 686,783 million Baht deficit in preceding year, on the strength of lower investment income receipts. Secondary income registered surplus value at 228,856 million Baht, lower than a surplus in last year. Ultimately, aggregation of all current account components returned to a sound external position with a surplus of 1,104,350 million Baht, after surplus of 493,515 million Baht in previous year.

Trade and services balance and current account at current market prices

Items	Value at current market prices (Millions of Baht)			Growth rate (%)		
	2013	2014	2015	2013	2014	2015
Exports	8,797,512	9,167,178	9,446,147	2.0	4.2	3.0
Goods	6,990,899	7,361,945	7,333,109	-1.2	5.3	-0.4
Services	1,806,613	1,805,233	2,113,038	17.0	-0.1	17.1
Imports	8,432,173	8,270,435	7,861,679	-0.7	-1.9	-4.9
Goods	6,976,970	6,801,002	6,407,028	-1.4	-2.5	-5.8
Services	1,455,203	1,469,433	1,454,651	2.5	1.0	-1.0
Trade and services balance	365,339	896,743	1,584,468			
Percentage to GDP (%)	2.8	6.8	11.6			
Primary income	-825,488	-686,783	-708,974			
Secondary income	326,007	283,555	228,856			
Current account balance	-134,142	493,515	1,104,350			
Percentage to GDP (%)	-1.0	3.7	8.1			

Exchange rate

Exchange rate presented an average value at 34.25 Thai Baht per U.S. Dollar, depreciated from 32.48 Thai Baht per U.S. Dollar in preceding year.

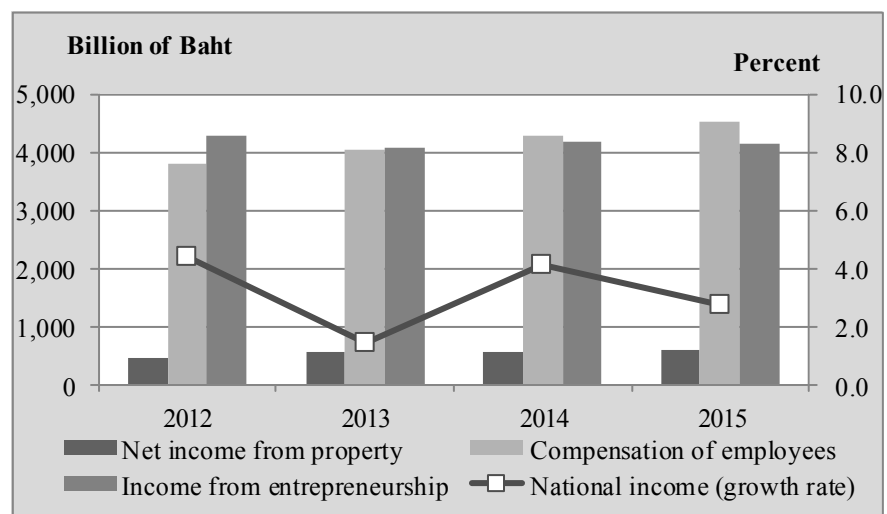
National income and savings

National income decelerated by 2.7%.

National income

National income in 2015 recorded at Baht 9,271,795 million, increased by 2.7%, lower than a rise of 4.1% in 2014 because of a deceleration in compensation of employees, and returns on capital, land, and entrepreneurs. Compensation of employees, accounted for 48.7% of total national income grew at slower rate by 5.4%. Returns on capital, land, and entrepreneurs accounted for 51.3% of total national income, decelerated by 0.2%. This was contributed by a rise of property income by 5.7% and a decline of entrepreneurship income by 0.6%. Moreover, per capita national income was Baht 137,899, higher than Baht 134,765 in 2014.

National income classified by type of income



Type of income	Value at current market prices (Millions of Baht)			Growth rate (%)		
	2013	2014	2015	2013	2014	2015
Compensation of employees	4,037,743	4,278,891	4,511,999	5.9	6.0	5.4
Income from property and entrepreneurship	4,633,522	4,750,751	4,759,796	-2.2	2.5	0.2
Income from property (Net)	547,122	569,423	601,952	17.9	4.1	5.7
• Households & Non-profit institutions	523,848	547,794	568,733	12.9	4.6	3.8
• Government	23,274	21,629	33,219	9,717.4	-7.1	53.6
Income from entrepreneurship	4,086,401	4,181,327	4,157,844	-4.3	2.3	-0.6
• Households & Non-profit institutions	2,786,526	2,797,412	2,715,849	-5.0	0.4	-2.9
• Corporations	1,299,875	1,383,915	1,441,995	-3.0	6.5	4.2
National income	8,671,265	9,029,642	9,271,795	1.4	4.1	2.7
Population (1,000 persons)	66,755	67,003	67,236	0.4	0.4	0.3
National income per capita (Baht)	129,897	134,765	137,899	1.0	3.7	2.3

Compensation of employees

Overall compensation of employees slowed down by 5.4% from both public sector and private sector.

Compensation of employees amounted Baht 4,511,999 million, 48.7% of total national income, rose by 5.4%, decelerating from a 6.0% expansion in 2014. Compensation of employees in agricultural sector reduced by 8.4%; whilst, non-agricultural sector decelerated by 6.2% owing to a slowdown in compensation of employees in both public sector and private sector. Average wage increased only by 1.8%, compared to a rise of 10.2% principally, resulted from a lower wage in public sector and private sector. This was caused by an unchanged minimum wage of private sector, however the salary base of government officials, professional level and lower has been adjusted since the late 2014. In terms of employment, total employees slowed down as a consequence of a deceleration in number of private employees, while employees in public sector increased. Nonetheless, unemployment rate in 2015 was still at the low level.

Private and Public compensation of employees

Private compensation of employees recorded at Baht 2,948,664 million, 65.3% of total compensation of employees, raised by 5.5%, less than a 6.1% increase in 2014. Meanwhile, public compensation of employees, which consist of public servants, state enterprises employees, public permanent employees, and public temporary employees registered the value at Baht 1,563,335 million, grew up by 5.3%, compared to a rise of 5.7% in 2014. Government compensation of employees expanded by 5.4%, lower than a 7.2% rise in 2014 whereas employees in state enterprises increased by 5.2%.

Compensation of employees by sector

Sector	Value at current prices (Millions of Baht)			Growth rate (%)		
	2013	2014	2015	2013	2014	2015
Agricultural sector	214,782	202,616	185,517	1.3	-5.7	-8.4
Agriculture, forestry and fishing	214,782	202,616	185,517	1.3	-5.7	-8.4
Non-agricultural sector	3,797,305	4,053,678	4,306,047	6.3	6.8	6.2
Manufacturing	1,039,514	1,117,262	1,186,571	5.5	7.5	6.2
Construction	195,429	192,039	202,829	5.5	-1.7	5.6
Wholesale and retail trade; repair of motor vehicles and motorcycles	367,318	404,080	427,007	9.3	10.0	5.7
Accommodation and food service activities	102,342	112,967	130,066	13.6	10.4	15.1
Financial and insurance activities	267,702	287,724	304,685	7.2	7.5	5.9
Public administration and defence; compulsory social security	557,649	595,433	623,529	4.3	6.8	4.7
Education	495,039	526,628	552,683	5.2	6.4	4.9
Human health and social work activities	198,726	224,003	237,999	13.1	12.7	6.2
Others	573,586	593,542	640,678	5.4	3.5	7.9
Net compensation of employees from aboard	25,656	22,597	20,435	-10.9	-11.9	-9.6
Total	4,037,743	4,278,891	4,511,999	5.9	6.0	5.4

Compensation of employees in agricultural sector diminished, while non-agricultural sector grew at slower pace.

Compensation of employees by sector

Compensation of employees in agricultural sector registered the value at Baht 185,517 million, equal to 4.1% of total compensation of employees, diminished by 8.4%, deeper than a 5.7% decrease in the previous year. These were resulted from lower agricultural product prices, in particular, rice, rubber, oil crops, livestock, and fisheries. In addition, major agricultural products such as rice, fruits, oil palm, and fisheries also decreased on account of lower precipitation and illegal fishing boats non-operation which resulted in lower employment in agricultural sector.

Compensation of employees in non-agricultural sector valued at Baht 4,306,047 million, rose by 6.2%, slowing down from 6.8% in 2014, due to lower average wage, as well as lower number of employees in manufacturing and several service sectors. Nevertheless, employment in construction sector recovered after a contraction in the previous year. Such increase was seen from the expansion in public construction and being support activities in case of the mobility of agricultural labor because of the drought. Moreover, employment in accommodation and food service activities also expanded as a result of upward trend in tourism in line with an increase number of foreign tourists.

Sectors with decelerated compensation of employees included manufacturing; wholesale and retail trade; financial and insurance activities; professional, scientific and technical activities; public administration and defence; education; and human health and social work activities. Compensation of employees in manufacturing, 27.6% share of all compensation of employees in non-agricultural sector, increased by 6.2%, compared to a rise of 7.5% in 2014 as a result of decelerated average wage. However, activities with increasing compensation of employees were food products and beverages; coke and refined petroleum products; and repair and installation of machinery and equipment. Compensation of employees in production of motor vehicles, trailers and semi-trailers remained unchanged. Compensation of employees in computer, electronic and optical products decreased.

Wholesale and retail trade; repair of motor vehicles and motorcycles slowed down to 5.7% due to lower number of employees and average wage. Public administration and defence; education; and human health and social work activities decelerated by 4.7%, 4.9%, and 6.2%, respectively, mainly contributed by compensation of employees of government sector. Compensation of employees in electricity, gas, steam and air conditioning supply; and water supply; sewerage, waste management and remediation activities increased by 13.9% and 10.8%, respectively as a result of an expansion in part of state enterprises. Accommodation and food service activities grew by 15.1%, due to an expansion in both accommodation services and food services, contributed mainly by an increase in number of foreign and Thai tourists. Construction sector grew by 5.6%, in contrast to a decline in the previous year owing to an expansion in construction, particularly public construction. Other service activities mostly improved except mining and quarrying with a decrease in compensation of employees which was seen from the decrease in fuel mining owned by state enterprises and private sector.

Returns on land, capital, and entrepreneurs

Net property income recovered, whilst both mixed income and corporation's profit declined.

Net return on land, capital, and entrepreneurship registered at Baht 4,759,796 million, 51.3% of total national income, rose gradually by 0.2%, slowing down from a 2.5% rise in 2014. The slight rise was categorized by type of income as follows.

Income from farms and unincorporated enterprises valued at Baht 2,715,849 million, 29.3% contribution in national income, decreased by 2.9%, in contrast to a 0.4% rise in 2014. Income from farm dropped by 9.4%, compared to a fall of 8.4% in 2014 owing to continual lower agricultural products, particularly paddy, vegetables, fruits, oil palm, and rubber as a result of the drought. Moreover, income from fishery still declined as a consequence of illegal fishing and the suspension of fishing concession in Indonesia. Nevertheless, self-employed and unincorporated enterprise income remained unchanged.

Income from entrepreneurship or profit of corporations presented the value of Baht 1,441,995 million, 15.6% of national income, grew by 4.2%, lower than a 6.5% rise in 2014. This was due to a decline in corporation's profit in private corporations, meanwhile profit in state enterprises and co-operatives increased favorably.

Households and private non-profit institutions income from property (net) registered at Baht 568,733 million, increased by 3.8%, slowing down from a 4.6% growth in 2014 because of a decelerating in both revenue and payments. Household property income valued at Baht 972,820 million, increased by 3.6%, compared to a 4.4% growth in the previous year. This was mainly due to higher dividend from corporations to households. Income from interests and agricultural land rents continued to decline. Other property income increased sluggishly. Income from dividend increased by 11.0%, compared to a rise of 8.2% in 2014, due to a rise in both dividends from private corporations and state enterprises, and dividend from cooperatives. Income from agricultural land rents dropped by 3.3%, as a result of lower rental rate in line with the reduction in agricultural production. Income from interests decreased by 11.7%, compared to a fall of 5.0% previously due to lower interest rate, meanwhile outstanding household deposit at the end of 2015 grew at slower rate.

Households and private non-profit institutions income from property

Item	Growth rate (%)			Structure (%)		
	2013	2014	2015	2013	2014	2015
Income						
Interest received	3.6	-5.0	-11.7	24.3	22.1	18.8
<i>from banks</i>	9.7	-4.7	-10.0	20.7	18.9	16.4
<i>from others</i>	-22.0	-6.5	-22.2	3.5	3.2	2.4
Dividends	21.0	8.2	11.0	50.7	52.6	56.3
Rent	3.9	-2.5	-3.3	9.5	8.8	8.2
Others	10.4	10.8	4.3	15.6	16.5	16.6
Total	13.0	4.4	3.6	100.0	100.0	100.0
Expense						
Interest paid	17.3	5.8	5.0	68.1	69.2	70.3
Rent	3.9	-2.5	-3.3	22.6	21.2	19.8
Others	8.1	8.6	5.9	9.3	9.6	9.9
Total	13.1	4.2	3.3	100.0	100.0	100.0

Property income payment recorded at Baht 404,086 million, expanded by 3.3%, lower than a 4.2% growth in the preceding year. This was principally resulted from a slowdown of interest payments at the rate of 5.0%. Such slowdown was seen from the deceleration in households' interests payment on personal loan to commercial banks and cooperatives. In details, personal loan from commercial banks (excluded purchases of land; accommodations, and real estates; and loans for working abroad) slowed down meanwhile average interest rate on loan declined.

General government income from property consists of income from rent, interest, and dividends grew by 7.5%, compared to an increase of 7.3% in 2014. The acceleration was mainly from rent income which increased by 4.2%, attributed to an increase from property rental. Income from interests increased by 6.4%, partially owing to an increase in return of deposit from oil fund and student loan fund. Meanwhile, dividend income decelerated by 8.7%, attributed to a slowdown in dividend from utility services sector.

General government income from property

Item	Growth rate (%)			Structure (%)		
	2013	2014	2015	2013	2014	2015
Rent	-44.0	-18.1	4.2	5.7	4.3	4.2
Interest received	24.8	-2.9	6.4	24.8	22.4	22.2
<i>From Banks</i>	22.4	-2.9	6.5	22.0	20.0	19.8
<i>From others</i>	47.7	-3.2	5.3	2.7	2.5	2.4
Dividend	20.4	14.5	8.7	52.2	55.7	56.3
Investment income on pension entitlement	8.1	8.6	5.9	17.4	17.6	17.3
Total	11.9	7.3	7.5	100.0	100.0	100.0

Savings and saving - investment gap

Higher saving and lower investment led to high saving-investment gap.

Gross savings and net savings, gross saving in 2015 presented at Baht 4,146,245 million, grew up by 13.4%, improving from a 7.2% rise in 2014. Net saving grew by 8.4%, in contrast to a fall of 4.7% previously, mainly due to a sharp increase in public net saving by 243.9%. Net saving of government and state enterprises increased, particularly, that of latter grew by 50.2% meanwhile government's net saving showed deficit but improved from the previous year. However, private net saving dropped by 2.4% mainly contributed by a decline in private corporations and household net saving. Finally, consumption of fixed capital showed at Baht 2,282,671 million, grew at slower rate by 3.1%.

Savings and gross capital formation

Item	Value at current price (Millions of Baht)			Growth rate (%)		
	2013	2014	2015	2013	2014	2015
Gross capital formation	3,546,130	3,162,754	3,041,895	2.4	-10.8	-3.8
• Private sector	2,541,236	2,573,384	2,507,554	-2.5	1.3	-2.6
• Public sector	737,090	687,587	865,769	1.2	-6.7	25.9
• Change in inventories	267,804	-98,217	-331,428	110.3	-136.7	-237.4
Gross savings	3,411,988	3,656,269	4,146,245	-0.1	7.2	13.4
• Net savings	1,471,358	1,401,794	1,519,041	-11.1	-4.7	8.4
• Depreciation	2,084,525	2,214,196	2,282,671	6.5	6.2	3.1
• Discrepancy	-143,894	40,278	344,533	27.9	128.0	755.4
Saving-investment gap	-134,142	493,515	1,104,350	-172.8	467.9	123.8
Saving-investment gap to GDP (%)	-1.0	3.7	8.1			

Private net savings

Private net savings, comprising households, non-profit institutions, corporations and cooperatives, had the value of Baht 1,429,472 million, decreased by 2.4%, in contrast to a rise of 13.4% in 2014.

1) Households and non-profit institutes net savings

Households and non-profit institutes net savings recorded the value at Baht 660,260 million, dropped by 1.1%, in contrast to an 11.1% rise in 2014. This was from a slowdown in household's disposable income as a result of lower income, while the expenses continued to increase. Household's income showed the value at Baht 8,803,348 million, decelerated by 1.9%, lower than a 3.6% rise in the preceding year. The slowdown income mainly originated from a deceleration in household's primary income which was considered to be the main income of household, consisting of compensation of employees, income from farm and entrepreneurs, and property income. Thoroughly, income from compensation of employees, 51.3% share of total income, slowed down by 5.4%, meanwhile income from farm and unincorporated enterprises, 30.9% share of total income, dropped by 2.9% owing to the reduction on farm income and the remained unchanged in unincorporated enterprises income. Household's property income increased by 3.6%, lower than a rise of 4.4% in 2014. The slowdown income mainly originated from the decline in income from rent and interest. After including primary and secondary income which consists of income from other social benefits other than social transfers in kind and other current transfer with a fall of 2.9%, consequently, overall household's income decelerated.

Inevitable expenses grew up by 8.3%, compared to a 3.6% expansion in 2014. Property income payments, and net social security payments slowed down by 3.3%, and 8.1%, respectively, while income tax payments and transfer payments increased. Income tax payments increased by 14.5%, in contrast to a fall of 11.0% in the preceding year. Household income slowed down, while the expenses still increased, consequently, household's disposable income increased only gradually by 1.0%, compared to a 3.6% expansion in 2014. After a deduction of household expenditure, and adjustment for the change in pension entitlement, households and non-profit institutes net saving recorded the value at Baht 660,260 million, dropped by 1.1%. Average per capita households and non-profit institutes net saving in 2015 was Baht 9,820, decreased by 1.4%, in contrast to a rise of 10.7% in 2014.

Personal income, expenditure and savings

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2013	2014	2015	2013	2014	2015
Personal income	8,335,598	8,635,773	8,803,348	3.2	3.6	1.9
Personal outlay	1,116,910	1,157,591	1,253,233	9.3	3.6	8.3
Disposable personal income	7,218,689	7,478,181	7,550,115	2.3	3.6	1.0
<u>Less</u> Private consumption expenditure	6,746,876	6,941,585	7,024,885	3.1	2.9	1.2
<u>Plus</u> adjusting with benefit from funds ¹	129,060	130,838	135,030	20.2	1.4	3.2
Personal savings	600,873	667,434	660,260	-3.3	11.1	-1.1
Disposable personal income per capita (Baht)	108,137	111,610	112,293	1.9	3.2	0.6
Personal outlay per capita (Baht)	101,069	103,601	104,481	2.7	2.5	0.8
Personal savings per capita (Baht)	9,001	9,961	9,820	-3.7	10.7	-1.4

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

2) Corporations and cooperatives net savings

Corporations and cooperatives net savings valued at Baht 769,212 million, dropped by 3.4%. Corporations net saving decreased by 3.8%. On the contrary, cooperatives net savings increased significantly by 43.5% in contrast to a reduction in the previous year. Net profit of corporations, listed in Securities Exchange of Thailand (excluding commercial banks and public corporations) after adjusting to national accounts definition increased greatly. Meanwhile, commercial banks and other corporations showed downward trend. After including deficit saving in international net saving, overall corporations and cooperatives net savings subtracted.

Net savings

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2013	2014	2015	2013	2014	2015
Net savings	1,471,358	1,401,794	1,519,041	-11.1	-4.7	8.4
Private sector	1,291,239	1,464,057	1,429,472	-10.2	13.4	-2.4
• <i>Households</i>	600,873	667,434	660,260	-3.3	11.1	-1.1
• <i>Corporations & cooperatives</i>	690,366	796,623	769,212	-15.4	15.4	-3.4
Public sector	180,119	-62,263	89,569	-17.3	-134.6	243.9
• <i>Government</i>	64,718	-158,646	-55,176	-3.8	-345.1	65.2
• <i>Enterprises</i>	115,401	96,383	144,745	-23.3	-16.5	50.2
Gross savings	3,411,988	3,656,269	4,146,245	0.1	7.2	13.4
Gross savings to GDP (%)	26.4	27.7	30.3			

Public net savings

Public net savings consisting of savings of general government; public corporations and government enterprises, posted the value of Baht 89,569 million, increased dramatically by 243.9%, in contrast to a fall of 134.6% in the previous year, which was resulted from the increase in net saving of general government, public corporations and government enterprises. Net saving of state enterprises expanded by 50.2%, better than a contraction of 16.5% in 2014. Meanwhile, net saving of general government showed the recovery with the deficit of Baht 55,176 million, less than the deficit of Baht 158,646 million in the previous year.

1) General government net savings

General government net saving recorded the value of Baht -55,176 million. In 2015, revenues of general government registered the value of Baht 4,012,810 million, an increase of 5.2% as the major item income from taxes increased by 4.8%. Meanwhile, government expenditure in non-investment item posted at Baht 3,673,240 million, which increased by 2.2%. In the meantime, the value of adjustment for the change in pension entitlement expanded by 3.2%; consequently, general government net saving increased by 65.2%, compared to a 345.1% extremely drop in 2014.

In 2015, an increase in general government income came mainly from production and import taxes, property holdings tax, and general government income from property.

General government income, expenditure and savings

Item	Value at current prices (Millions of Baht)			Growth rate (%)		
	2013	2014	2015	2013	2014	2015
General government income	4,004,369	3,815,750	4,012,810	1.9	-4.7	5.2
General government expenditure	1,446,519	1,351,277	1,307,104	-3.7	-6.6	-3.3
Disposable general government income	2,557,850	2,464,473	2,705,706	5.4	-3.7	9.8
<i>Less Final consumption expenditure</i>	2,118,916	2,242,933	2,366,136	4.9	5.9	5.5
<i>Less Adjustment for the change in pension entitlement¹</i>	129,060	130,838	135,030	20.2	1.4	3.2
<i>Less Consumption of fixed capital</i>	245,156	249,348	259,716	5.5	1.7	4.2
General government net savings	64,718	-158,646	-55,176	-3.8	-345.1	65.2

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

Taxes on production and imports regarded as the main source of revenues with the proportion of 36.8%, increased by 6.0%, owing to an increase in the value of government taxes collection.

Taxes with the increase growths were (1) oil and oil products as a result of the adjustments of diesel oil tax on 16 December 2014, from Baht 0.75 per litre to Baht 3.25 per litre, and on 10 March 2015, from Baht 3.25 per litre to Baht 4.25 per litre. In addition, lower retail prices of gasohol which promoted higher consumption; (2) value added tax as a result of a higher vat collection on consumption such as restaurants, retail, and hotel sector which expanded as a result of higher number of tourists, construction sector, public service sector, business and real estate service sector, plastic production sector, manufacturing of other industrial products, especially banking and insurance sector which had continual growths; (3) beer tax due to the enactment of the Sport Authority of Thailand Act B.E. 2558 which collected additional 2% on top of excise tax to support sport promotion activities; (4) import duty; (5) excise tax from imports; (6) income from Thailand Tobacco Monopoly; (7) stamp duty owing to an increase in transfers of land transactions due to the expectation of the effect of Inheritance Tax Act, including an increase in transaction which subject to stamp duty payment in cash (Or.Sor.4) as a result of an increase in instrument which subject to payment of duty in cash pursuant to the Revenue Department Director-General's Notification prescribing the methods of payments of duty in cash in lieu of affixing stamp duty for certain categories of instruments.

Taxes with decelerating growths were (1) special business taxes, owing to a deceleration in financial institution transaction following a slowdown of commercial bank loan together with a reduction of interest rate (MLR) in 2015; and (2) tax and premium for vehicles; (3) property tax.

Taxes with declining growths were (1) petroleum royalty; (2) vehicle tax as a result of lower car purchases in 2015 due to high advance demand for passenger cars under the government's first car scheme in the preceding year, and low agricultural products prices together with financial institution's caution in extending credit, led to lower tax payments than the previous year;

(3) tobacco tax as a result of the enactment of the Sports Authority of Thailand Act B.E. 2558, which required 2% of excise tax collected on liquor, beer, and tobacco to be contributed to the Sport Promotion Fund, which resulted to higher retail cigarette prices and encouraged smokers to switch to cheaper ones, and therefore affected lower tax collection; (4) liquor tax and stamp as result of the enactment of the Sports Authority of Thailand Act B.E. 2558, led to higher sales prices of all liquor products, also the slow economic recovery and lower agricultural prices reduced consumer purchasing power, and the strict liquor consumption measures have discouraged consumption; and (5) non-alcohol tax.

Property Income from government and Investment income payable on pension entitlements with the share of 5.7% of total government revenue, increased by 7.5%, as a result of a 6.4% increase in interest income due to an increased in return from deposit of oil fund and student loan fund. Rents increased by 4.2%, attributed to an increase in property rental. In the meantime, dividend with the share of 56.3% of total government property income, decelerated by 8.7%, as a result of a slowdown in revenue income from utility services sector and revenue income from net profit of the Government Lottery Office. Meanwhile, other property income such as investment income from pension entitlements decelerated by 5.9%, due to a deceleration of interest receive (child allowance and old-age program) from social security fund.

Current taxes on income, wealth, etc. the share of 23.5% of total government revenue increased by 3.1%, as a result of an increase in taxes from income base in line with the expansion of wages and employment.

Taxes with increasing growths were described as follows:

(1) Personal income tax grew by 14.7%, consistent with a 10.8% increase in tax on salary base collection in line with the expansion of wages and employment. Service sector employment expanded by 2.7%, while manufacturing and agriculture sector employment decreased by 2.2% and 2.7%, respectively. In the meantime, withholding tax collection from real estate increased by 15.6%; meanwhile, withholding tax collection from interest payments dropped by 1.0%.
 (2) Direct taxes on corporations increased by 1.3%, as a consequence of a gradual rise of 1.0% of taxes on services and distributed income. Moreover, operating income of corporations slightly increased, led to an expansion of service payments and income distribution abroad. For withholding tax collection of private sector (Por.Ngor.Dor.53) decelerated to 4.1%, in consequence of low level of hire of work activities in line with a slowdown in production and investment. Meanwhile, tax collection from net profit was lower than that of the previous year as a results of low performance of corporations in 2014 following the unfavorable economy. In addition, tax collection on forecasted net profit in the first haft of 2015, decelerated to 4.6% refer to a gradual recovery of the economy. Industries with lower tax payments from net profit were banking and insurance industry, wholesale and retail sector, real estate service sector, automobiles and spare parts sector, transportation sector, and public service sector. The lower tax payment from forecasting net profit was seen in some industries such as automobiles and spare parts sector which continued to contract from the previous year following the lower operating income after the end of the first-car tax rebate scheme.

Petroleum income tax collection decreased by 17.1%, as a result of lower turnover following a continuous reduction of prices of crude oil and natural gas (liquid) since the end of 2014. This affected the turnover and profits of petroleum producers, resulted in lower tax collection on net profit, forecasted net profit and profit distribution abroad.

Social contributions with the proportion of 11.5% to total government revenue decelerated by 8.1%, on a consequence of a deceleration in both employer and employee contributions to social security fund. Meanwhile, the rate of contributions of both employers and employees stayed at the same rate as last year.

Miscellaneous current transfers, receivable with the 1.2% share of total government revenue, increased by 34.5% because of a rise in income from donation.

Interest paid with the 4.3% share of total government revenue, decelerated by 1.5%, following a slowdown in interest payments on domestic debt with a growth of 1.4%. This was found from major items. (1) Government bond yield decelerated as bond redemption decreased by 51.9%, whereas short-term yields decreased in line with the movement of policy interest rate. At the end of 2015, the 1-month government bond yield stood at 1.40% and 1.50%, approximately 0.50% and 0.54% down from the end of the previous year. Meanwhile, short-term and long-term yield was volatile in line with external factors especially the movement of policy interest rate from the US central Bank (Fed) and monetary policy divergence among major economies, and economic risks of China and ASEAN countries. As a result, overall short-term and long-term yields in 2015 declined. In addition, the 10-year government bond yield traded at 2.51% at the end of 2015, a 0.32% drop from 2014. (2) Debt restructuring bills slowed down in response to an 18.5% increase in its debt restructuring bills redemption 2015. (3) Treasury bill decelerated in line with a decline in the short-term interests as a consequence of lower interest rate in the market in response to the movement of policy interest rate. At the end of 2015, the interbank rate and the overnight rate stood at 1.40% and 1.50%, approximately 0.50% and 0.40% down from the end of 2014, respectively.

Subsidies with the share of 1.9% to total government expenditure dropped by 43.7% as a result of a decrease of subsidy on LPG, Gasohol, and high speed diesel from oil fund, together with subsidy on sugarcane planters.

Social benefits other than social transfers in kind with the share of 10.3% to total government expenditure increased by 8.8%. This was due to an expansion of pension, education fees, fees for the cost of living pension recipients, financial aid for disable, and financial aid for AIDS patients. In contrast, medical fees, subsistence allowances, monthly subsistence allowances, financial aid for elderly decelerated.

Miscellaneous current transfers, payable with the share of 2.0% to total government expenditure dropped by 35.1% as a result of the decrease in the First Car Tax Rebate Scheme, current transfer as subsidies to non-profits organizations, households, and private enterprises.

2) Public corporations and government enterprises net savings

Net saving of public corporations and government enterprises showed value at Baht 144,745 million, boosted up by 50.2%, higher than a 16.5% subtraction in 2014. Net profit of public corporations and government enterprises posted the value of Baht 222,762 million, increased by 72.2%, from a 45.6% reduction in 2014. Nevertheless, net profits after the adjustment to follow national accounts concept recorded the value of Baht 61,615 million, hence overall operating income before a deduction of appropriation of income valued at Baht 284,377 million. After subtracting appropriation of income by Baht 139,631 million, net saving of public corporations and government enterprises boosted up.

In 2015, net saving of public corporations registered at Baht 53,376 million, shortened by 21.9%, on account of a reduction in the net profits of public corporations. Furthermore, net saving of other government enterprises grew rapidly in consequence of high performance of overall operations. After the adjustment to conform the national accounts concept and income appropriation, this net saving showed value at Baht 91,369 million, expanded remarkably after the reduction in the previous year.

Saving-investment gap

Saving-investment gap recorded a surplus of Baht 1,104,350 million, which equal to 8.1% to GDP. It improved from a surplus of Baht 493,515 million in 2014, showing the surplus for the two consecutive years. Such a surplus was originated by a contraction of investment by 3.8%, compared to a fall of 10.8% in the previous year, coupled with a higher saving with an increase of 13.4%, compared to a rise of 7.2% in 2014, consequently, saving-investment gap showed the higher surplus.

GDP Implicit Price Deflator

Overall price level increased by 0.6% slowing down from a rise of 1.3% in previous year.

GDP Implicit Price Deflator

GDP Implicit Price Deflator grew by 0.6%, slower than a 1.3% rise in the previous year. Agricultural price deflator decreased by 4.9%, compared to a fall of 8.6% in previous year. Non-agricultural price deflator rose by 1.2%, compared to a rise of 2.5% in previous year as a result of a drop in price level of several items, particularly mining and quarrying; electricity, gas, steam and air conditioning supply; water supply; sewerage, waste management and remediation activities; construction; information and communication; financial and insurance activities; professional, scientific and technical activities; administrative and support service activities; arts, entertainment and recreation; and other service activities. Nonetheless, price level of transportation and storage; public administration and defence; compulsory social security; education; and human health and social work activities increased. Meanwhile, price level of manufacturing; and wholesale and retail trade; repair of motor vehicles and motorcycles slowed down.

On the expenditure side, overall price deflator rose by 2.6%, compared to a rise of 2.5% in the previous year. Private consumption expenditure price deflator declined by 1.0% in contrast to a rise of 2.0% previously. In addition, price deflator of investment declined by 0.9%. However, price of government consumption expenditure slowed down by 2.4%. Moreover, exports of goods and services price deflator rose by 2.4%, slower than a rise of 4.0% in 2014. Prices of import goods and services dropped to 4.9%, in contrast to a rise of 3.6% previously.

Consumer price index (CPI) decreased by 0.9%, in contrast to a 1.9% rise in the earlier year, while producer price index (PPI) also decreased by 4.1%, in contrast to a slight rise of 0.1% in the previous year.

Growth rate of implicit price deflator

(%)

Implicit price deflator	2011	2012	2013	2014	2015
Gross domestic product, (GDP)	3.7	1.9	1.8	1.3	0.6
Agriculture	8.4	5.6	2.1	-8.6	-4.9
Non-agriculture	3.2	1.4	1.7	2.5	1.2
Expenditure on gross domestic product	2.4	2.2	2.6	2.5	2.6
Private final consumption expenditure	4.3	2.4	2.1	2.0	-1.0
General government final consumption expenditure	3.0	3.3	3.0	3.0	2.4
Gross fixed capital formation	7.4	3.1	-0.7	1.8	-0.9
Exports of goods and services	1.8	2.6	-0.6	4.0	2.4
Imports of goods and services	5.4	3.3	-2.3	3.6	-4.9
Consumer price index (CPI)	3.8	3.0	2.2	1.9	-0.9
Producer price index (PPI)	5.5	1.0	0.3	0.1	-4.1

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Main Accounts

Account 1 Production account

(Millions of Baht)

Transactions and balancing items	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Uses								
Intermediate consumption	15,336,601	14,692,104	16,864,439	17,244,688	18,935,603	19,469,268	19,657,519	19,157,260
Value added, gross / Gross domestic product	9,706,929	9,658,664	10,808,142	11,306,907	12,357,403	12,921,155	13,203,737	13,672,851
Consumption of fixed capital	1,463,103	1,486,739	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,282,671
Value added, net / Net domestic product	8,243,826	8,171,925	9,217,366	9,568,381	10,399,245	10,836,630	10,989,541	11,390,180
Resources								
Output	24,227,319	23,482,149	26,611,337	27,499,711	30,068,179	31,117,919	31,649,554	31,480,381
Market output	22,901,005	22,041,567	25,050,350	25,814,064	28,211,001	29,147,410	29,560,236	29,264,801
Non-market output	1,326,314	1,440,582	1,560,987	1,685,647	1,857,178	1,970,509	2,089,318	2,215,580
Taxes on products	860,066	907,295	1,111,386	1,145,656	1,303,706	1,351,505	1,306,072	1,391,581
Subsidies on products (-)	43,855	38,676	50,142	93,772	78,879	79,001	94,370	41,851

Account 2 Generation of income account

(Millions of Baht)

Transactions and balancing items	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Uses								
Compensation of employees, payable	2,930,695	3,030,554	3,227,942	3,411,393	3,783,696	4,012,087	4,256,294	4,491,564
Wages and salaries	2,588,067	2,686,451	2,857,125	3,013,748	3,365,027	3,570,505	3,773,451	3,964,781
Employers' social contributions	342,628	344,103	370,817	397,645	418,669	441,582	482,843	526,783
Taxes on production and imports, payable	921,858	966,756	1,181,367	1,220,712	1,384,661	1,443,542	1,394,987	1,478,064
Taxes on products	860,066	907,295	1,111,386	1,145,656	1,303,706	1,351,505	1,306,072	1,391,581
Other taxes on production	61,792	59,461	69,981	75,056	80,955	92,037	88,915	86,483
(less) Subsidies, receivable	55,130	56,145	69,892	113,574	100,106	103,665	121,871	68,653
Subsidies on products	43,855	38,676	50,142	93,772	78,879	79,001	94,370	41,851
Other subsidies on production	11,275	17,469	19,750	19,802	21,227	24,664	27,501	26,802
Mixed income and operating surplus, gross	5,909,506	5,717,499	6,468,725	6,788,376	7,289,152	7,569,191	7,674,327	7,771,876
Consumption of fixed capital	1,463,103	1,486,739	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,282,671
Mixed income and operating surplus, net	4,446,403	4,230,760	4,877,949	5,049,850	5,330,994	5,484,666	5,460,131	5,489,205
Resources								
Value added, gross / Gross domestic product	9,706,929	9,658,664	10,808,142	11,306,907	12,357,403	12,921,155	13,203,737	13,672,851
Value added, net / Net domestic product	8,243,826	8,171,925	9,217,366	9,568,381	10,399,245	10,836,630	10,989,541	11,390,180

Account 3 Allocation of primary income account

(Millions of Baht)

Transactions and balancing items	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Uses								
Balance of primary incomes, gross								
/ National income, gross	9,352,926	9,320,201	10,355,373	11,034,196	11,791,205	12,095,667	12,516,954	12,963,877
Balance of primary incomes, net								
/ National income, net	7,889,823	7,833,462	8,764,597	9,295,670	9,833,047	10,011,142	10,302,758	10,681,206
Resources								
Mixed income and operating surplus, gross	5,909,506	5,717,499	6,468,725	6,788,376	7,289,152	7,569,191	7,674,327	7,771,876
Mixed income and operating surplus, net	4,446,403	4,230,760	4,877,949	5,049,850	5,330,994	5,484,666	5,460,131	5,489,205
Compensation of employees	2,915,696	3,026,432	3,231,751	3,430,944	3,812,499	4,037,743	4,278,891	4,511,999
Wages and salaries	2,573,068	2,682,329	2,860,934	3,033,299	3,393,830	3,596,161	3,796,048	3,985,216
Employers' social contributions	342,628	344,103	370,817	397,645	418,669	441,582	482,843	526,783
Taxes on production and imports	921,858	966,756	1,181,367	1,220,712	1,384,661	1,443,542	1,394,987	1,478,064
Taxes on products	860,066	907,295	1,111,386	1,145,656	1,303,706	1,351,505	1,306,072	1,391,581
Other taxes on production	61,792	59,461	69,981	75,056	80,955	92,037	88,915	86,483
(less) Subsidies	55,130	56,145	69,892	113,574	100,106	103,665	121,871	68,653
Subsidies on products	43,855	38,676	50,142	93,772	78,879	79,001	94,370	41,851
Other subsidies on production	11,275	17,469	19,750	19,802	21,227	24,664	27,501	26,802
Property income1/	-339,004	-334,341	-456,578	-292,262	-595,001	-851,144	-709,380	-729,409

Note : 1/ Property income receivable less property income payable

Account 4 Secondary distribution of income account

(Millions of Baht)

Transactions and balancing items	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Uses								
Current transfers	1,786,513	1,964,171	2,292,107	2,415,240	2,810,223	2,875,366	2,733,895	2,842,098
Current taxes on income, wealth, etc.	721,061	662,185	727,713	886,235	925,098	988,890	915,578	944,049
Taxes on income	703,347	639,928	701,328	857,903	892,434	959,843	881,447	906,322
Other current taxes	17,714	22,257	26,385	28,332	32,664	29,047	34,131	37,727
Social contributions	414,135	413,316	452,084	486,896	514,329	555,323	609,006	656,936
Employers' actual social contributions	119,149	99,526	112,828	120,355	118,036	136,318	158,325	162,767
Employers' imputed social contributions	223,875	244,577	257,989	277,290	300,633	305,264	324,518	364,016
Households' actual social contributions1/	51,815	48,378	57,310	60,991	63,528	79,004	88,430	90,186
Households' social contributions supplements1/	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Social benefits other than social transfers in kind	195,478	256,223	293,530	275,045	326,151	330,096	346,137	376,686
Social security benefits in cash	16,448	21,534	20,860	22,352	26,986	29,400	30,164	30,675
Other social insurance benefits	158,037	177,665	186,434	197,138	215,128	207,476	226,664	253,463
Social assistance benefits in cash	20,993	57,024	86,236	55,555	84,037	93,220	89,309	92,548
Other current transfers	455,839	632,447	818,780	767,064	1,044,645	1,001,057	863,174	864,427
Net non-life insurance premiums 2/	2	223	576	540	480	401	460	193
Current transfer within general government	323,847	441,100	589,381	580,745	814,877	712,042	576,166	590,104
Current international cooperation	1,335	1,467	1,631	1,553	1,334	1,375	1,827	1,437
Miscellaneous current transfers	130,655	189,657	227,192	184,226	227,954	287,239	284,721	272,693
Disposable income, gross	9,500,891	9,495,955	10,548,387	11,369,667	12,178,256	12,421,674	12,800,509	13,192,733
Disposable income, net	8,037,788	8,009,216	8,957,611	9,631,141	10,220,097	10,337,150	10,586,312	10,910,062
Resources								
Balance of primary incomes, gross								
/ National income, gross	9,352,926	9,320,201	10,355,373	11,034,196	11,791,205	12,095,667	12,516,954	12,963,877
Balance of primary incomes, net								
/ National income, net	7,889,823	7,833,462	8,764,597	9,295,670	9,833,047	10,011,142	10,302,758	10,681,206
Current transfers	1,934,477	2,139,924	2,485,121	2,750,711	3,197,274	3,201,373	3,017,449	3,070,953
Current taxes on income, wealth, etc.	721,061	662,185	727,713	886,235	925,098	988,890	915,578	944,049
Taxes on income	703,347	639,928	701,328	857,903	892,434	959,843	881,447	906,322
Other current taxes	17,714	22,257	26,385	28,332	32,664	29,047	34,131	37,727
Social contributions	414,135	413,316	452,084	486,896	514,329	555,323	609,006	656,936
Employers' actual social contributions	119,149	99,526	112,828	120,355	118,036	136,318	158,325	162,767
Employers' imputed social contributions	223,875	244,577	257,989	277,290	300,633	305,264	324,518	364,016
Households' actual social contributions1/	51,815	48,378	57,310	60,991	63,528	79,004	88,430	90,186
Households' social contributions supplements1/	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Social benefits other than social transfers in kind	195,478	256,223	293,530	275,045	326,151	330,096	346,137	376,686
Social security benefits in cash	16,448	21,534	20,860	22,352	26,986	29,400	30,164	30,675
Other social insurance benefits	158,037	177,665	186,434	197,138	215,128	207,476	226,664	253,463
Social assistance benefits in cash	20,993	57,024	86,236	55,555	84,037	93,220	89,309	92,548
Other current transfers	603,803	808,200	1,011,794	1,102,535	1,431,696	1,327,064	1,146,728	1,093,282
Non-life insurance claims2/	1	3	2	8	21	3	1	2
Current transfer within general government	323,847	441,100	589,381	580,745	814,877	712,042	576,166	590,104
Current international cooperation	2,461	2,737	2,818	3,592	5,214	3,120	3,497	1,956
Miscellaneous current transfers	277,494	364,360	419,593	518,190	611,584	611,899	567,064	501,220

Note : 1/ Governmental funds consist of social security fund (welfare and senility plan)

2/ Government only

Account 5 Use of disposable income account

(Millions of Baht)

Transactions and balancing items	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Uses								
Final consumption expenditure	6,598,910	6,668,904	7,346,989	7,813,380	8,564,855	8,865,792	9,184,518	9,391,021
Individual consumption expenditure	5,835,073	5,851,294	6,456,541	6,858,551	7,526,883	7,761,303	8,037,066	8,171,893
Collective consumption expenditure	763,837	817,610	890,448	954,829	1,037,972	1,104,489	1,147,452	1,219,128
Adjustment for the change in pension entitlements	76,882	75,480	85,883	94,873	107,370	129,060	130,838	135,030
Saving, gross	2,901,981	2,827,051	3,201,398	3,556,287	3,613,401	3,555,882	3,615,991	3,801,712
Saving, net	1,438,878	1,340,312	1,610,622	1,817,761	1,655,242	1,471,358	1,401,794	1,519,041
Resources								
Disposable income, gross	9,500,891	9,495,955	10,548,387	11,369,667	12,178,256	12,421,674	12,800,509	13,192,733
Disposable income, net	8,037,788	8,009,216	8,957,611	9,631,141	10,220,097	10,337,150	10,586,312	10,910,062
Adjustment for the change in pension entitlements	76,882	75,480	85,883	94,873	107,370	129,060	130,838	135,030

Account 6 Redistribution of income in kind account

(Millions of Baht)

Transactions and balancing items	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Uses								
Social transfers in kind	628,329	725,852	817,330	870,307	982,822	1,014,427	1,095,480	1,147,008
Social transfers in kind - non-market production	509,212	557,793	603,236	656,899	737,151	776,535	855,726	906,642
Social transfers in kind - purchased market production	119,117	168,059	214,094	213,408	245,671	237,892	239,754	240,366
Adjusted disposable income, gross	9,500,891	9,495,955	10,548,387	11,369,667	12,178,256	12,421,674	12,800,509	13,192,733
Adjusted disposable income, net	8,037,788	8,009,216	8,957,611	9,631,141	10,220,097	10,337,150	10,586,312	10,910,062
Resources								
Disposable income, gross	9,500,891	9,495,955	10,548,387	11,369,667	12,178,256	12,421,674	12,800,509	13,192,733
Disposable income, net	8,037,788	8,009,216	8,957,611	9,631,141	10,220,097	10,337,150	10,586,312	10,910,062
Social transfers in kind	628,329	725,852	817,330	870,307	982,822	1,014,427	1,095,480	1,147,008
Social transfers in kind - non-market production	509,212	557,793	603,236	656,899	737,151	776,535	855,726	906,642
Social transfers in kind - purchased market production	119,117	168,059	214,094	213,408	245,671	237,892	239,754	240,366

Account 7 Use of adjusted disposable income account

(Millions of Baht)

Transactions and balancing items	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Uses								
Actual final consumption	6,598,910	6,668,904	7,346,989	7,813,380	8,564,855	8,865,792	9,184,518	9,391,021
Actual individual consumption	5,835,073	5,851,294	6,456,541	6,858,551	7,526,883	7,761,303	8,037,066	8,171,893
Actual collective consumption	763,837	817,610	890,448	954,829	1,037,972	1,104,489	1,147,452	1,219,128
Adjustment for the change in pension entitlements	76,882	75,480	85,883	94,873	107,370	129,060	130,838	135,030
Saving, gross	2,901,981	2,827,051	3,201,398	3,556,287	3,613,401	3,555,882	3,615,991	3,801,712
Saving, net	1,438,878	1,340,312	1,610,622	1,817,761	1,655,242	1,471,358	1,401,794	1,519,041
Resources								
Adjusted disposable income, gross	9,500,891	9,495,955	10,548,387	11,369,667	12,178,256	12,421,674	12,800,509	13,192,733
Adjusted disposable income, net	8,037,788	8,009,216	8,957,611	9,631,141	10,220,097	10,337,150	10,586,312	10,910,062
Adjustment for the change in pension entitlements	76,882	75,480	85,883	94,873	107,370	129,060	130,838	135,030

Account 8 External income account

(Millions of Baht)

Transactions and balancing items	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Income of non-residents								
Import of goods and services	6,699,780	5,295,925	6,567,498	7,781,469	8,492,432	8,432,173	8,270,435	7,861,679
<i>Import of goods</i>	5,255,545	4,117,143	5,259,458	6,376,152	7,073,397	6,976,970	6,801,002	6,407,028
<i>Import of services</i>	1,444,235	1,178,782	1,308,040	1,405,317	1,419,035	1,455,203	1,469,433	1,454,651
Primary income receivable by non-residents	552,151	487,304	631,932	475,389	816,716	1,025,561	925,754	875,532
<i>Compensation of employees</i>	47,323	39,356	36,498	33,087	30,317	30,835	39,391	49,203
<i>Property income</i>	504,828	447,948	595,434	442,302	786,399	994,726	886,363	826,329
Secondary income receivable by non-residents	68,881	98,054	85,478	84,065	96,368	109,072	118,386	129,362
Other current transfer	68,881	98,054	85,478	84,065	96,368	109,072	118,386	129,362
<i>Public</i>	1,335	1,467	1,631	1,553	1,334	1,375	1,827	1,437
<i>Private</i>	67,546	96,587	83,847	82,512	95,034	107,697	116,559	127,925
Use of income by non-residents								
Export of goods and services	6,932,340	6,223,910	7,185,923	8,011,498	8,622,399	8,797,512	9,167,178	9,446,147
<i>Export of goods</i>	5,831,086	5,189,923	6,099,860	6,744,693	7,078,285	6,990,899	7,361,945	7,333,109
<i>Export of services</i>	1,101,254	1,033,987	1,086,063	1,266,805	1,544,114	1,806,613	1,805,233	2,113,038
Primary income payable by non-residents	198,148	146,034	175,445	199,003	246,295	195,152	233,918	163,294
<i>Compensation of employees</i>	32,324	35,234	40,307	52,638	59,120	56,491	61,988	69,638
<i>Property income</i>	165,824	110,800	135,138	146,365	187,175	138,661	171,930	93,656
Secondary income payable by non-residents	216,846	273,807	278,492	419,537	483,419	435,079	401,941	358,218
Other current transfer	216,846	273,807	278,492	419,537	483,419	435,079	401,941	358,218
<i>Public</i>	2,461	2,737	2,818	3,592	5,214	3,120	3,497	1,956
<i>Private</i>	214,385	271,070	275,674	415,945	478,205	431,959	398,444	356,262
Balance on external income account	-26,522	-762,469	-354,952	-289,114	53,403	139,063	-488,462	-1,101,086

*Gross Domestic Product
Chain Volume Measures*

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Private final consumption expenditure	5,206,744	5,125,442	5,639,212	5,988,244	6,544,061	6,746,876	6,941,585	7,024,885
General government final consumption expenditure	1,392,166	1,543,462	1,707,777	1,825,136	2,020,794	2,118,916	2,242,933	2,366,136
Gross fixed capital formation	2,567,262	2,232,017	2,593,167	2,921,293	3,335,697	3,278,326	3,260,971	3,373,323
Change in inventories	172,659	-238,816	147,418	107,991	127,344	267,804	-98,217	-331,428
Plus : Exports of goods and services	6,932,340	6,223,910	7,185,923	8,011,498	8,622,399	8,797,512	9,167,178	9,446,147
<i>Exports of goods (f.o.b)</i>	5,831,086	5,189,923	6,099,860	6,744,693	7,078,285	6,990,899	7,361,945	7,333,109
<i>Exports of services</i>	1,101,254	1,033,987	1,086,063	1,266,805	1,544,114	1,806,613	1,805,233	2,113,038
Less : Imports of goods and services	6,699,780	5,295,925	6,567,498	7,781,469	8,492,432	8,432,173	8,270,435	7,861,679
<i>Imports of goods (f.o.b)</i>	5,255,545	4,117,143	5,259,458	6,376,152	7,073,397	6,976,970	6,801,002	6,407,028
<i>Imports of services</i>	1,444,235	1,178,782	1,308,040	1,405,317	1,419,035	1,455,203	1,469,433	1,454,651
Expenditure on gross domestic product	9,571,391	9,590,090	10,705,999	11,072,693	12,157,863	12,777,261	13,244,015	14,017,384
Plus : Statistical discrepancy	135,538	68,574	102,143	234,214	199,540	143,894	-40,278	-344,533
Gross domestic product, (GDP)	9,706,929	9,658,664	10,808,142	11,306,907	12,357,403	12,921,155	13,203,737	13,672,851

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Private final consumption expenditure	4,127,803	4,090,699	4,313,694	4,392,805	4,687,903	4,731,751	4,773,619	4,877,440
General government final consumption expenditure	1,044,146	1,152,699	1,255,683	1,302,439	1,395,850	1,421,008	1,460,404	1,504,758
Gross fixed capital formation	2,014,697	1,795,686	2,003,971	2,101,552	2,326,977	2,303,441	2,251,812	2,351,030
Change in inventories	138,571	-183,422	107,396	68,204	81,946	174,693	-63,572	-67,542
Plus : Exports of goods and services	6,047,023	5,312,899	6,068,408	6,645,480	6,971,662	7,159,301	7,170,457	7,218,067
<i>Exports of goods (f.o.b)</i>	5,087,945	4,403,583	5,128,738	5,578,730	5,701,855	5,706,642	5,742,640	5,549,236
<i>Exports of services</i>	960,356	910,400	937,177	1,065,011	1,270,457	1,456,508	1,432,007	1,676,970
Less : Imports of goods and services	5,816,131	4,607,987	5,665,775	6,368,345	6,726,858	6,839,672	6,477,494	6,477,752
<i>Imports of goods (f.o.b)</i>	4,563,356	3,588,154	4,554,826	5,209,398	5,579,985	5,680,344	5,322,657	5,334,763
<i>Imports of services</i>	1,254,860	1,021,504	1,113,814	1,163,672	1,150,819	1,163,150	1,157,418	1,145,494
Expenditure on gross domestic product (sum up)	7,555,302	7,559,987	8,078,019	8,135,671	8,734,184	8,950,549	9,116,835	9,411,635
Residual (GDE (sum up) - GDE CVM)	-50,442	-20,125	-74,498	-99,421	-113,335	-113,587	-46,559	-40,400
% Residual (GDE sum up) to GDE CVM	-0.7	-0.3	-0.9	-1.2	-1.3	-1.3	-0.5	-0.4
Expenditure on gross domestic product	7,605,744	7,580,112	8,152,517	8,235,092	8,847,519	9,064,136	9,163,394	9,452,035
Gross domestic product, (GDP)	7,710,337	7,657,089	8,232,395	8,301,560	8,902,825	9,146,100	9,229,755	9,501,222

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)**

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Private final consumption expenditure	128.5	127.4	134.3	136.8	146.0	147.4	148.7	151.9
General government final consumption expenditure	137.4	151.7	165.2	171.4	183.7	187.0	192.2	198.0
Gross fixed capital formation	159.4	142.0	158.5	166.2	184.1	182.2	178.1	186.0
Change in inventories								
Plus : Exports of goods and services	172.8	151.8	173.4	189.9	199.2	204.6	204.9	206.3
<i>Exports of goods (f.o.b)</i>	179.3	155.2	180.7	196.6	200.9	201.1	202.4	195.6
<i>Exports of services</i>	145.2	137.7	141.7	161.0	192.1	220.2	216.5	253.6
Less : Imports of goods and services	185.6	147.0	180.8	203.2	214.6	218.2	206.7	206.7
<i>Imports of goods (f.o.b)</i>	186.7	146.8	186.3	213.1	228.3	232.4	217.7	218.2
<i>Imports of services</i>	182.0	148.1	161.5	168.7	166.9	168.7	167.8	166.1
Expenditure on gross domestic product	134.7	134.2	144.3	145.8	156.6	160.5	162.2	167.3
Gross domestic product, (GDP)	133.6	132.7	142.7	143.9	154.3	158.5	160.0	164.7

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

	2008	2009r	2010r	2011r	2012r	2013r	2014r	Percent 2015p
Private final consumption expenditure	2.8	-0.9	5.5	1.8	6.7	0.9	0.9	2.2
General government final consumption expenditure	4.9	10.4	8.9	3.7	7.2	1.8	2.8	3.0
Gross fixed capital formation	2.3	-10.9	11.6	4.9	10.7	-1.0	-2.2	4.4
Change in inventories								
Plus : Exports of goods and services	6.3	-12.1	14.2	9.5	4.9	2.7	0.2	0.7
<i>Exports of goods (f.o.b)</i>	6.8	-13.5	16.5	8.8	2.2	0.1	0.6	-3.4
<i>Exports of services</i>	3.6	-5.2	2.9	13.6	19.3	14.6	-1.7	17.1
Less : Imports of goods and services	11.4	-20.8	23.0	12.4	5.6	1.7	-5.3	0.0
<i>Imports of goods (f.o.b)</i>	11.0	-21.4	26.9	14.4	7.1	1.8	-6.3	0.2
<i>Imports of services</i>	12.8	-18.6	9.0	4.5	-1.1	1.1	-0.5	-1.0
Expenditure on gross domestic product	1.9	-0.3	7.6	1.0	7.4	2.4	1.1	3.1
Gross domestic product, (GDP)	1.7	-0.7	7.5	0.8	7.2	2.7	0.9	2.9

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

	2008	2009r	2010r	2011r	2012r	2013r	2014r	Percent 2015p
Private final consumption expenditure	1.5	-0.5	2.9	1.0	3.6	0.5	0.5	1.1
General government final consumption expenditure	0.7	1.5	1.4	0.6	1.2	0.3	0.5	0.5
Gross fixed capital formation	0.6	-2.9	2.7	1.2	2.8	-0.3	-0.6	1.1
Change in inventories	1.8	-4.2	3.9	-0.5	0.2	1.2	-2.8	-1.8
Plus : Exports of goods and services	4.3	-8.7	9.2	6.3	3.5	1.9	0.1	0.5
<i>Exports of goods (f.o.b)</i>	3.9	-8.1	8.8	5.0	1.3	0.0	0.3	-1.9
<i>Exports of services</i>	0.4	-0.6	0.3	1.4	2.2	1.8	-0.2	2.3
Less : Imports of goods and services	7.0	-14.3	12.6	7.5	3.9	1.2	-3.5	0.0
<i>Imports of goods (f.o.b)</i>	5.2	-11.6	11.5	7.0	4.0	1.0	-3.4	0.1
<i>Imports of services</i>	1.8	-2.8	1.1	0.5	-0.1	0.1	-0.1	-0.1
Expenditure on gross domestic product	1.9	-0.3	7.5	1.0	7.3	2.4	1.1	3.2
Gross domestic product, (GDP)	1.7	-0.7	7.5	0.8	7.2	2.7	0.9	2.9

*Gross Domestic Product
(Production)*

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

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Agriculture	977,725	945,297	1,137,252	1,310,673	1,421,602	1,462,422	1,329,796	1,192,293
Agriculture, forestry and fishing	977,725	945,297	1,137,252	1,310,673	1,421,602	1,462,422	1,329,796	1,192,293
Non-agriculture	8,729,204	8,713,367	9,670,890	9,996,234	10,935,801	11,458,733	11,873,941	12,480,558
Mining and quarrying	330,615	326,742	366,998	400,576	483,427	496,616	495,671	430,366
Manufacturing	2,965,926	2,845,650	3,343,011	3,278,536	3,456,693	3,565,264	3,650,853	3,753,419
Electricity, gas, steam and air conditioning supply	235,681	249,252	264,283	270,494	291,725	313,846	331,829	343,864
Water supply; sewerage, waste management and remediation activities	33,092	36,174	37,712	38,292	41,888	47,630	51,742	55,354
Construction	266,944	271,258	302,792	306,622	340,956	344,998	337,236	380,134
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,337,532	1,381,998	1,516,327	1,570,715	1,709,703	1,731,125	1,797,090	1,936,941
Transportation and storage	565,720	578,826	607,153	616,470	666,331	693,869	720,830	779,913
Accommodation and food service activities	298,874	285,443	311,910	349,523	413,291	473,270	497,758	598,141
Information and communication	217,975	208,273	222,201	242,816	265,239	291,008	302,529	328,408
Financial and insurance activities	523,522	553,900	580,532	644,682	744,615	871,377	961,260	1,043,841
Real estate activities	286,795	278,727	294,125	306,174	317,770	319,093	324,628	334,913
Professional, scientific and technical activities	189,865	170,202	195,594	214,438	258,785	266,958	267,769	259,530
Administrative and support service activities	168,793	155,876	171,745	189,205	227,941	234,457	231,641	237,045
Public administration and defence; compulsory social security	577,397	606,399	640,207	681,051	732,534	765,985	802,183	839,209
Education	372,104	393,674	417,863	454,248	503,405	528,291	558,280	587,217
Human health and social work activities	172,321	193,354	206,441	219,165	235,802	250,865	270,624	288,479
Arts, entertainment and recreation	37,520	36,523	44,516	50,656	60,357	65,435	65,652	70,210
Other service activities	131,854	123,726	129,574	142,068	162,716	175,349	181,592	185,765
Activities of households as employers	16,674	17,370	17,906	20,503	22,623	23,297	24,774	27,809
Gross domestic product, (GDP)	9,706,929	9,658,664	10,808,142	11,306,907	12,357,403	12,921,155	13,203,737	13,672,851
plus : Net primary income from the rest of the world	-354,003	-338,463	-452,769	-272,711	-566,198	-825,488	-686,783	-708,974
Gross national product, (GNP) ^{1/}	9,352,926	9,320,201	10,355,373	11,034,196	11,791,205	12,095,667	12,516,954	12,963,877
less : Consumption of fixed capital	1,463,103	1,486,739	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,282,671
Taxes on production and imports less subsidies	866,728	910,611	1,111,475	1,107,138	1,284,555	1,339,877	1,273,116	1,409,411
National income, (NI) ^{2/}	7,023,095	6,922,851	7,653,122	8,188,532	8,548,492	8,671,265	9,029,642	9,271,795
Per capita GDP (Baht)	148,952	147,364	163,956	170,763	185,848	193,561	197,062	203,356
Per capita GNP (Baht)	143,520	142,200	157,088	166,644	177,333	181,195	186,812	192,812
Per capita NI (Baht)	107,769	105,623	116,095	123,668	128,564	129,897	134,765	137,899
Population (1,000 Heads)	65,168	65,543	65,921	66,214	66,492	66,755	67,003	67,236

Note : 1/ GNP = GNI (Gross national income)

2/ NI = NNP (Net national product) at factor cost

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

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Agriculture	982,082	944,437	1,138,880	1,320,175	1,432,087	1,473,542	1,345,217	1,203,443
Agriculture, forestry and fishing	982,082	944,437	1,138,880	1,320,175	1,432,087	1,473,542	1,345,217	1,203,443
Non-agriculture	7,858,121	7,803,614	8,557,785	8,879,594	9,640,759	10,107,735	10,585,404	11,059,998
Mining and quarrying	269,615	279,079	309,233	333,316	404,734	409,232	412,574	362,647
Manufacturing	2,601,953	2,400,390	2,807,839	2,828,043	2,948,466	3,030,608	3,172,917	3,142,898
Electricity, gas, steam and air conditioning supply	213,621	228,883	236,428	240,413	255,634	275,817	295,585	312,300
Water supply; sewerage, waste management and remediation activities	31,759	34,981	35,773	37,282	40,222	45,599	49,913	53,593
Construction	249,913	252,715	284,324	284,213	311,791	316,778	307,576	348,509
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,092,946	1,146,164	1,224,166	1,233,603	1,287,403	1,341,523	1,415,939	1,548,674
Transportation and storage	558,455	573,463	599,260	607,285	655,375	680,492	709,402	768,770
Accommodation and food service activities	289,580	277,346	302,372	337,783	402,049	459,009	483,591	582,735
Information and communication	199,506	193,543	203,028	227,787	251,529	265,193	286,331	309,462
Financial and insurance activities	493,662	525,296	550,611	608,095	702,801	821,296	906,583	960,315
Real estate activities	264,690	258,273	251,662	250,267	254,284	245,500	245,815	283,588
Professional, scientific and technical activities	169,306	149,741	172,204	186,879	229,623	236,316	230,507	221,627
Administrative and support service activities	134,940	124,633	137,021	151,453	183,924	184,731	176,140	178,887
Public administration and defence; compulsory social security	577,397	606,399	640,207	681,051	732,534	765,985	802,183	839,209
Education	383,217	410,952	437,451	473,843	524,454	552,792	585,572	613,662
Human health and social work activities	171,224	192,208	205,274	217,864	234,416	249,415	269,093	286,858
Arts, entertainment and recreation	21,591	20,647	26,978	32,083	41,262	48,694	48,904	52,999
Other service activities	118,072	111,531	116,048	127,831	157,635	155,458	162,005	165,456
Activities of households as employers	16,674	17,370	17,906	20,503	22,623	23,297	24,774	27,809
Gross domestic product, (GDP)	8,840,203	8,748,051	9,696,665	10,199,769	11,072,846	11,581,277	11,930,621	12,263,441

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Agriculture	604,889	603,412	600,651	638,483	655,755	660,438	656,794	619,541
Agriculture, forestry and fishing	604,889	603,412	600,651	638,483	655,755	660,438	656,794	619,541
Non-agriculture	7,113,791	7,061,105	7,652,694	7,667,868	8,268,856	8,516,503	8,610,337	8,946,643
Mining and quarrying	206,916	209,483	224,224	220,682	237,723	242,864	238,893	244,030
Manufacturing	2,355,860	2,277,687	2,537,476	2,414,078	2,581,224	2,631,246	2,632,528	2,669,850
Electricity, gas, steam and air conditioning supply	210,304	219,682	234,715	237,735	262,120	257,515	265,469	276,016
Water supply; sewerage, waste management and remediation activities	31,318	31,813	33,832	33,373	36,151	38,781	39,845	43,435
Construction	203,210	210,466	228,359	218,454	235,808	235,236	229,508	268,635
Wholesale and retail trade; repair of motor vehicles and motorcycles	1,134,493	1,106,520	1,207,295	1,207,515	1,270,509	1,281,727	1,271,432	1,321,616
Transportation and storage	459,614	454,011	489,186	497,067	538,898	566,953	584,222	608,833
Accommodation and food service activities	278,604	273,925	299,482	336,294	383,693	421,216	431,329	494,408
Information and communication	296,407	294,481	312,398	338,732	368,592	404,026	426,694	464,491
Financial and insurance activities	352,591	392,175	407,451	432,403	498,628	560,159	602,101	655,349
Real estate activities	308,358	295,289	308,305	319,237	328,441	331,803	339,160	346,691
Professional, scientific and technical activities	163,461	144,698	161,274	171,610	201,072	204,663	202,447	198,131
Administrative and support service activities	138,820	126,738	134,696	142,970	166,525	168,465	163,809	169,616
Public administration and defence; compulsory social security	422,282	438,333	456,059	473,339	492,985	495,464	501,628	507,127
Education	265,672	273,848	288,622	296,475	311,032	316,811	320,488	319,922
Human health and social work activities	141,803	158,044	166,532	174,525	184,775	191,718	201,959	209,396
Arts, entertainment and recreation	35,484	34,499	41,999	47,530	56,228	60,856	61,056	66,723
Other service activities	108,630	101,756	104,315	111,664	125,052	132,463	135,425	139,612
Activities of households as employers	16,453	17,961	17,636	18,689	19,117	17,731	16,946	17,580
Gross domestic product (sum up)	7,735,169	7,664,821	8,254,507	8,330,855	8,954,328	9,220,135	9,321,733	9,641,002
Residual (GDP (sum up) - GDP CVM)	24,832	7,732	22,112	29,295	51,503	74,035	91,978	139,780
% Residual (GDP sum up) to GDP CVM	0.3	0.1	0.3	0.4	0.6	0.8	1.0	1.5
Gross domestic product, (CVM)^{1/}	7,710,337	7,657,089	8,232,395	8,301,560	8,902,825	9,146,100	9,229,755	9,501,222
Gross national product (GNP), CVM^{2/}	7,434,708	7,393,503	7,891,410	8,107,064	8,507,162	8,577,635	8,769,692	9,020,260

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

2/ GNP = GNI (Gross national income)

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

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Agriculture	120.6	120.3	119.8	127.3	130.8	131.7	131.0	123.5
Agriculture, forestry and fishing	120.6	120.3	119.8	127.3	130.8	131.7	131.0	123.5
Non-agriculture	135.0	134.0	145.3	145.6	157.0	161.7	163.4	169.8
Mining and quarrying	151.0	152.9	163.6	161.0	173.5	177.2	174.3	178.1
Manufacturing	143.2	138.4	154.2	146.7	156.9	159.9	160.0	162.3
Electricity, gas, steam and air conditioning supply	137.7	143.8	153.6	155.6	171.6	168.6	173.8	180.7
Water supply; sewerage, waste management and remediation activities	116.3	118.1	125.6	123.9	134.2	144.0	147.9	161.2
Construction	121.9	126.2	137.0	131.0	141.4	141.1	137.7	161.1
Wholesale and retail trade; repair of motor vehicles and motorcycles	125.3	122.2	133.3	133.3	140.3	141.5	140.4	145.9
Transportation and storage	123.2	121.7	131.1	133.2	144.5	152.0	156.6	163.2
Accommodation and food service activities	128.5	126.3	138.1	155.1	176.9	194.2	198.9	228.0
Information and communication	209.2	207.8	220.5	239.0	260.1	285.1	301.1	327.8
Financial and insurance activities	127.5	141.8	147.3	156.3	180.3	202.5	217.7	236.9
Real estate activities	134.0	128.4	134.0	138.8	142.8	144.2	147.4	150.7
Professional, scientific and technical activities	166.8	147.7	164.6	175.2	205.2	208.9	206.6	202.2
Administrative and support service activities	144.0	131.5	139.7	148.3	172.7	174.8	169.9	176.0
Public administration and defence; compulsory social security	124.0	128.7	133.9	139.0	144.7	145.5	147.3	148.9
Education	123.7	127.5	134.4	138.1	144.9	147.6	149.3	149.0
Human health and social work activities	119.0	132.7	139.8	146.5	155.1	160.9	169.5	175.8
Arts, entertainment and recreation	148.8	144.7	176.2	199.4	235.8	255.3	256.1	279.9
Other service activities	127.3	119.2	122.2	130.8	146.5	155.2	158.7	163.6
Activities of households as employers	93.4	102.0	100.2	106.1	108.6	100.7	96.2	99.8
Gross domestic product, (GDP)	133.6	132.7	142.7	143.9	154.3	158.5	160.0	164.7
Gross national product (GNP), CVM	133.6	132.8	141.8	145.6	152.8	154.1	157.5	162.0

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

	Percent							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Agriculture	2.9	-0.2	-0.5	6.3	2.7	0.7	-0.6	-5.7
Agriculture, forestry and fishing	2.9	-0.2	-0.5	6.3	2.7	0.7	-0.6	-5.7
Non-agriculture	1.6	-0.7	8.4	0.2	7.8	3.0	1.1	3.9
Mining and quarrying	6.5	1.2	7.0	-1.6	7.7	2.2	-1.6	2.2
Manufacturing	2.4	-3.3	11.4	-4.9	6.9	1.9	0.0	1.4
Electricity, gas, steam and air conditioning supply	5.3	4.5	6.8	1.3	10.3	-1.8	3.1	4.0
Water supply; sewerage, waste management and remediation activities	4.9	1.6	6.3	-1.4	8.3	7.3	2.7	9.0
Construction	-5.3	3.6	8.5	-4.3	7.9	-0.2	-2.4	17.0
Wholesale and retail trade; repair of motor vehicles and motorcycles	-0.1	-2.5	9.1	0.0	5.2	0.9	-0.8	3.9
Transportation and storage	-1.1	-1.2	7.7	1.6	8.4	5.2	3.0	4.2
Accommodation and food service activities	4.2	-1.7	9.3	12.3	14.1	9.8	2.4	14.6
Information and communication	9.4	-0.6	6.1	8.4	8.8	9.6	5.6	8.9
Financial and insurance activities	-0.7	11.2	3.9	6.1	15.3	12.3	7.5	8.8
Real estate activities	1.8	-4.2	4.4	3.5	2.9	1.0	2.2	2.2
Professional, scientific and technical activities	0.0	-11.5	11.5	6.4	17.2	1.8	-1.1	-2.1
Administrative and support service activities	0.7	-8.7	6.3	6.1	16.5	1.2	-2.8	3.5
Public administration and defence; compulsory social security	3.4	3.8	4.0	3.8	4.2	0.5	1.2	1.1
Education	0.6	3.1	5.4	2.7	4.9	1.9	1.2	-0.2
Human health and social work activities	2.4	11.5	5.4	4.8	5.9	3.8	5.3	3.7
Arts, entertainment and recreation	-0.5	-2.8	21.7	13.2	18.3	8.2	0.3	9.3
Other service activities	-0.2	-6.3	2.5	7.0	12.0	5.9	2.2	3.1
Activities of households as employers	-6.6	9.2	-1.8	6.0	2.3	-7.3	-4.4	3.7
Gross domestic product, (GDP)	1.7	-0.7	7.5	0.8	7.2	2.7	0.9	2.9
Gross national product (GNP), CVM	1.6	-0.6	6.7	2.7	4.9	0.8	2.2	2.9

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

	Percent							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Agriculture	0.3	0.0	0.0	0.7	0.3	0.1	-0.1	-0.6
Agriculture, forestry and fishing	0.3	0.0	0.0	0.7	0.3	0.1	-0.1	-0.6
Non-agriculture	1.5	-0.7	7.6	0.2	6.9	2.7	1.0	3.5
Mining and quarrying	0.2	0.0	0.2	-0.1	0.3	0.1	-0.1	0.1
Manufacturing	0.7	-1.0	3.4	-1.5	2.0	0.5	0.0	0.4
Electricity, gas, steam and air conditioning supply	0.1	0.1	0.2	0.0	0.2	0.0	0.1	0.1
Water supply; sewerage, waste management and remediation activities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Construction	-0.2	0.1	0.2	-0.1	0.2	0.0	-0.1	0.4
Wholesale and retail trade; repair of motor vehicles and motorcycles	0.0	-0.3	1.3	0.0	0.7	0.1	-0.1	0.5
Transportation and storage	-0.1	-0.1	0.5	0.1	0.5	0.3	0.2	0.2
Accommodation and food service activities	0.1	-0.1	0.3	0.4	0.4	0.3	0.1	0.6
Information and communication	0.2	0.0	0.1	0.2	0.2	0.2	0.1	0.2
Financial and insurance activities	0.0	0.6	0.2	0.3	0.9	0.7	0.5	0.6
Real estate activities	0.1	-0.1	0.1	0.1	0.1	0.0	0.1	0.1
Professional, scientific and technical activities	0.0	-0.2	0.2	0.1	0.3	0.0	0.0	0.0
Administrative and support service activities	0.0	-0.2	0.1	0.1	0.3	0.0	-0.1	0.1
Public administration and defence; compulsory social security	0.2	0.2	0.3	0.2	0.2	0.0	0.1	0.1
Education	0.0	0.1	0.2	0.1	0.2	0.1	0.0	0.0
Human health and social work activities	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Arts, entertainment and recreation	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Other service activities	0.0	-0.1	0.0	0.1	0.2	0.1	0.0	0.0
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)	1.7	-0.7	7.5	0.8	7.2	2.7	0.9	2.9

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Crop and animal production, hunting and related service activities	872,792	835,078	1,027,244	1,191,369	1,298,258	1,349,747	1,208,534	1,076,983
Forestry and logging	8,141	7,876	8,624	9,322	10,283	9,901	11,269	11,493
Fishing and aquaculture	96,792	102,343	101,384	109,982	113,061	102,774	109,993	103,817
Total value added	977,725	945,297	1,137,252	1,310,673	1,421,602	1,462,422	1,329,796	1,192,293

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Crop and animal production, hunting and related service activities	454,083	452,365	450,431	481,130	498,300	505,253	507,063	476,423
Forestry and logging	7,406	7,479	7,516	8,475	8,096	7,372	7,960	8,086
Fishing and aquaculture	148,451	149,733	148,571	149,331	140,311	131,573	114,043	111,370
Total value added	604,889	603,412	600,651	638,483	655,755	660,438	656,794	619,541

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Crop and animal production, hunting and related service activities	117.5	117.1	116.6	124.5	129.0	130.8	131.2	123.3
Forestry and logging	109.9	111.0	111.6	125.8	120.2	109.4	118.2	120.0
Fishing and aquaculture	136.9	138.1	137.0	137.7	129.4	121.4	105.2	102.7
Total value added	120.6	120.3	119.8	127.3	130.8	131.7	131.0	123.5

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Crop and animal production, hunting and related service activities	2.8	-0.4	-0.4	6.8	3.6	1.4	0.4	-6.0
Forestry and logging	-14.8	1.0	0.5	12.8	-4.5	-8.9	8.0	1.6
Fishing and aquaculture	5.5	0.9	-0.8	0.5	-6.0	-6.2	-13.3	-2.3
Total value added	2.9	-0.2	-0.5	6.3	2.7	0.7	-0.6	-5.7

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Mining of coal and lignite	5,009	12,073	13,844	15,359	12,874	12,940	12,745	11,369
Extraction of crude petroleum and natural gas	284,855	268,673	306,888	335,798	416,860	430,541	428,472	357,744
Mining of metal ores	4,262	5,367	5,768	5,052	7,238	6,113	6,545	4,180
Other mining and quarrying	36,489	40,629	40,498	44,367	46,455	47,022	47,909	57,073
Total value added	330,615	326,742	366,998	400,576	483,427	496,616	495,671	430,366

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Mining of coal and lignite	6,667	6,483	6,655	7,681	6,505	6,544	6,508	5,470
Extraction of crude petroleum and natural gas	166,433	169,465	182,988	176,430	191,971	197,178	193,591	198,598
Mining of metal ores	1,491	1,708	1,574	1,170	1,601	1,566	1,666	1,130
Other mining and quarrying	30,013	28,722	29,890	33,244	34,626	34,052	33,612	36,218
Total value added	206,916	209,483	224,224	220,682	237,723	242,864	238,893	244,030

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Mining of coal and lignite	89.2	86.7	89.0	102.7	87.0	87.5	87.1	73.2
Extraction of crude petroleum and natural gas	161.3	164.2	177.3	171.0	186.0	191.1	187.6	192.5
Mining of metal ores	66.4	76.1	70.1	52.1	71.3	69.8	74.2	50.3
Other mining and quarrying	124.4	119.1	123.9	137.8	143.5	141.2	139.3	150.1
Total value added	151.0	152.9	163.6	161.0	173.5	177.2	174.3	178.1

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Mining of coal and lignite	-3.2	-2.8	2.7	15.4	-15.3	0.6	-0.6	-15.9
Extraction of crude petroleum and natural gas	9.3	1.8	8.0	-3.6	8.8	2.7	-1.8	2.6
Mining of metal ores	-17.1	14.6	-7.8	-25.7	36.8	-2.2	6.4	-32.2
Other mining and quarrying	-7.0	-4.3	4.1	11.2	4.2	-1.7	-1.3	7.8
Total value added	6.5	1.2	7.0	-1.6	7.7	2.2	-1.6	2.2

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Food products	394,786	437,075	494,965	556,940	511,169	520,626	524,150	522,321
Beverages	177,151	179,281	198,108	194,939	242,332	261,409	274,958	288,031
Tobacco products	43,660	48,174	58,201	60,642	59,704	60,086	58,229	56,445
Textiles	129,670	118,853	137,847	123,770	119,156	119,827	118,595	114,180
Wearing apparel	99,761	83,036	99,587	86,238	79,339	76,437	79,650	74,869
Leather and related products	41,750	36,278	39,608	39,697	34,762	39,876	43,462	40,458
Wood and products of wood and cork	28,561	27,879	31,894	35,582	37,100	38,616	42,576	43,311
Paper and paper products	48,472	46,898	52,620	51,271	52,461	50,852	52,206	52,424
Printing and reproduction of recorded media	11,747	10,809	11,280	11,564	12,057	11,848	11,559	11,488
Coke and refined petroleum products	186,010	198,541	223,908	187,741	203,996	237,164	269,665	307,017
Chemicals and chemical products	209,306	191,295	245,297	250,135	263,205	277,765	296,244	328,378
Basic pharmaceutical products and pharmaceutical preparations	24,597	24,092	23,731	25,452	27,946	31,992	33,856	35,581
Rubber and plastics products	204,508	170,680	223,826	238,103	249,528	250,980	245,307	264,919
Non-metallic mineral products	122,409	118,741	130,185	132,649	142,571	152,033	151,131	148,601
Basic metals	77,067	62,173	66,893	63,442	63,621	65,493	68,169	62,035
Fabricated metal products, except machinery and equipment	103,215	82,736	93,573	96,596	101,923	101,182	105,882	111,369
Computer, electronic and optical products	399,137	410,123	469,035	369,417	346,078	345,380	390,113	371,155
Electrical equipment	120,632	113,929	134,691	139,210	152,603	165,564	186,210	185,343
Machinery and equipment not elsewhere classified	128,472	114,950	135,032	140,816	146,023	151,769	149,230	160,844
Motor vehicles, trailers and semi-trailers	210,429	166,259	237,025	213,181	333,777	338,089	287,565	294,397
Other transport equipment	72,988	55,940	73,674	87,298	94,117	86,916	80,455	95,779
Furniture	30,435	31,394	33,038	30,230	30,471	32,139	33,523	34,488
Other manufacturing	100,074	115,250	127,774	142,227	151,243	147,665	146,252	148,009
Repair and installation of machinery and equipment	1,089	1,264	1,219	1,396	1,511	1,556	1,866	1,977
Total value added	2,965,926	2,845,650	3,343,011	3,278,536	3,456,693	3,565,264	3,650,853	3,753,419

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Food products	289,187	284,336	295,200	319,071	330,926	326,851	334,086	331,085
Beverages	158,175	151,943	160,841	159,989	189,675	198,165	201,592	209,045
Tobacco products	34,087	31,143	34,739	36,151	35,615	35,883	34,707	33,722
Textiles	119,094	111,357	122,462	102,025	97,842	99,602	98,781	95,478
Wearing apparel	118,228	108,537	113,435	96,034	87,969	83,983	87,008	81,024
Leather and related products	37,520	35,311	37,107	36,349	33,277	37,081	40,129	37,625
Wood and products of wood and cork	22,333	21,573	25,433	27,789	28,343	29,582	32,419	32,650
Paper and paper products	44,178	44,355	46,720	45,091	45,756	44,027	45,488	45,602
Printing and reproduction of recorded media	10,150	8,996	9,289	8,858	8,721	8,505	8,310	7,902
Coke and refined petroleum products	110,162	119,221	122,178	105,820	110,645	113,956	117,449	127,122
Chemicals and chemical products	107,273	128,691	143,320	136,022	145,797	155,234	157,631	166,081
Basic pharmaceutical products and pharmaceutical preparations	23,857	23,181	22,707	24,252	26,652	30,354	32,138	33,758
Rubber and plastics products	121,183	113,805	126,932	121,360	137,671	143,422	145,886	155,152
Non-metallic mineral products	100,619	95,777	104,815	104,788	114,249	120,230	118,646	115,046
Basic metals	50,082	44,988	48,233	43,905	45,146	47,155	49,285	48,597
Fabricated metal products, except machinery and equipment	73,452	61,324	69,176	70,527	73,317	72,708	76,478	80,524
Computer, electronic and optical products	364,420	368,945	425,405	335,642	305,133	298,199	315,385	307,784
Electrical equipment	108,387	102,684	121,801	121,236	134,019	135,796	138,270	135,027
Machinery and equipment not elsewhere classified	117,953	106,081	123,009	125,100	132,769	137,719	134,886	140,787
Motor vehicles, trailers and semi-trailers	200,868	154,516	218,118	197,554	298,801	310,424	254,269	258,963
Other transport equipment	72,679	53,952	72,228	85,301	89,809	84,463	77,096	79,762
Furniture	23,160	24,040	25,516	23,564	23,590	24,665	25,495	26,018
Other manufacturing	69,085	74,149	75,956	74,854	76,451	78,891	79,485	81,211
Repair and installation of machinery and equipment	1,026	1,176	1,119	1,269	1,362	1,387	1,646	1,727
Total value added	2,355,860	2,277,687	2,537,476	2,414,078	2,581,224	2,631,246	2,632,528	2,669,850

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)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Food products	132.0	129.8	134.8	145.6	151.1	149.2	152.5	151.1
Beverages	139.7	134.2	142.0	141.3	167.5	175.0	178.0	184.6
Tobacco products	98.5	90.0	100.4	104.5	102.9	103.7	100.3	97.5
Textiles	101.1	94.5	104.0	86.6	83.1	84.6	83.9	81.1
Wearing apparel	115.8	106.4	111.1	94.1	86.2	82.3	85.3	79.4
Leather and related products	101.3	95.3	100.1	98.1	89.8	100.1	108.3	101.5
Wood and products of wood and cork	114.4	110.5	130.3	142.4	145.2	151.6	166.1	167.3
Paper and paper products	115.0	115.4	121.6	117.4	119.1	114.6	118.4	118.7
Printing and reproduction of recorded media	128.1	113.6	117.3	111.8	110.1	107.4	104.9	99.8
Coke and refined petroleum products	92.6	100.3	102.8	89.0	93.1	95.8	98.8	106.9
Chemicals and chemical products	125.3	150.3	167.4	158.9	170.3	181.3	184.1	194.0
Basic pharmaceutical products and pharmaceutical preparations	124.6	121.1	118.6	126.7	139.2	158.6	167.9	176.3
Rubber and plastics products	134.2	126.0	140.6	134.4	152.5	158.8	161.6	171.8
Non-metallic mineral products	125.2	119.2	130.4	130.4	142.1	149.6	147.6	143.1
Basic metals	113.2	101.7	109.0	99.2	102.0	106.6	111.4	109.8
Fabricated metal products, except machinery and equipment	121.0	101.0	113.9	116.2	120.8	119.8	126.0	132.6
Computer, electronic and optical products	298.5	302.2	348.5	274.9	250.0	244.3	258.4	252.1
Electrical equipment	168.3	159.4	189.1	188.2	208.1	210.8	214.7	209.6
Machinery and equipment not elsewhere classified	210.6	189.4	219.6	223.4	237.1	245.9	240.9	251.4
Motor vehicles, trailers and semi-trailers	233.8	179.9	253.9	230.0	347.8	361.4	296.0	301.4
Other transport equipment	179.8	133.5	178.7	211.1	222.2	209.0	190.8	197.4
Furniture	123.0	127.7	135.5	125.2	125.3	131.0	135.4	138.2
Other manufacturing	101.8	109.3	111.9	110.3	112.7	116.3	117.1	119.7
Repair and installation of machinery and equipment	138.8	159.1	151.4	171.7	184.3	187.7	222.7	233.7
Total value added	143.2	138.4	154.2	146.7	156.9	159.9	160.0	162.3

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

	Percent							
	2008	2009	2010	2011	2012	2013r	2014r	2015p
Food products	2.2	-1.7	3.8	8.1	3.7	-1.2	2.2	-0.9
Beverages	2.5	-3.9	5.9	-0.5	18.6	4.5	1.7	3.7
Tobacco products	-0.9	-8.6	11.5	4.1	-1.5	0.8	-3.3	-2.8
Textiles	-1.8	-6.5	10.0	-16.7	-4.1	1.8	-0.8	-3.3
Wearing apparel	0.0	-8.2	4.5	-15.3	-8.4	-4.5	3.6	-6.9
Leather and related products	-4.9	-5.9	5.1	-2.0	-8.5	11.4	8.2	-6.2
Wood and products of wood and cork	-4.7	-3.4	17.9	9.3	2.0	4.4	9.6	0.7
Paper and paper products	-5.6	0.4	5.3	-3.5	1.5	-3.8	3.3	0.3
Printing and reproduction of recorded media	2.1	-11.4	3.3	-4.6	-1.5	-2.5	-2.3	-4.9
Coke and refined petroleum products	-5.6	8.2	2.5	-13.4	4.6	3.0	3.1	8.2
Chemicals and chemical products	-7.2	20.0	11.4	-5.1	7.2	6.5	1.5	5.4
Basic pharmaceutical products and pharmaceutical preparations	-2.5	-2.8	-2.0	6.8	9.9	13.9	5.9	5.0
Rubber and plastics products	0.7	-6.1	11.5	-4.4	13.4	4.2	1.7	6.4
Non-metallic mineral products	-4.1	-4.8	9.4	0.0	9.0	5.2	-1.3	-3.0
Basic metals	-9.6	-10.2	7.2	-9.0	2.8	4.5	4.5	-1.4
Fabricated metal products, except machinery and equipment	-3.8	-16.5	12.8	2.0	4.0	-0.8	5.2	5.3
Computer, electronic and optical products	14.8	1.2	15.3	-21.1	-9.1	-2.3	5.8	-2.4
Electrical equipment	4.7	-5.3	18.6	-0.5	10.5	1.3	1.8	-2.3
Machinery and equipment not elsewhere classified	11.5	-10.1	16.0	1.7	6.1	3.7	-2.1	4.4
Motor vehicles, trailers and semi-trailers	14.9	-23.1	41.2	-9.4	51.3	3.9	-18.1	1.8
Other transport equipment	18.9	-25.8	33.9	18.1	5.3	-6.0	-8.7	3.5
Furniture	5.2	3.8	6.1	-7.7	0.1	4.6	3.4	2.1
Other manufacturing	-5.0	7.3	2.4	-1.5	2.1	3.2	0.8	2.2
Repair and installation of machinery and equipment	4.5	14.6	-4.8	13.4	7.3	1.8	18.7	4.9
Total value added	2.4	-3.3	11.4	-4.9	6.9	1.9	0.0	1.4

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Electric power generation, transmission and distribution	208,638	229,797	244,427	236,559	267,864	293,036	305,732	320,900
Manufacture of gas; distribution of gaseous fuels through mains	27,043	19,455	19,856	33,935	23,861	20,810	26,097	22,964
Total value added	235,681	249,252	264,283	270,494	291,725	313,846	331,829	343,864

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Electric power generation, transmission and distribution	197,609	204,016	219,992	219,491	243,655	241,175	248,306	255,973
Manufacture of gas; distribution of gaseous fuels through mains	11,190	12,740	12,126	14,543	15,272	13,737	14,416	16,484
Total value added	210,304	219,682	234,715	237,735	262,120	257,515	265,469	276,016

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Electric power generation, transmission and distribution	135.1	139.5	150.4	150.0	166.6	164.9	169.7	175.0
Manufacture of gas; distribution of gaseous fuels through mains	172.7	196.6	187.2	224.5	235.7	212.0	222.5	254.4
Total value added	137.7	143.8	153.6	155.6	171.6	168.6	173.8	180.7

**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

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Electric power generation, transmission and distribution	5.6	3.2	7.8	-0.2	11.0	-1.0	3.0	3.1
Manufacture of gas; distribution of gaseous fuels through mains	2.3	13.9	-4.8	19.9	5.0	-10.1	4.9	14.3
Total value added	5.3	4.5	6.8	1.3	10.3	-1.8	3.1	4.0

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Water collection and supply	28,317	31,189	32,285	32,792	35,219	39,426	41,840	43,776
Waste collection, treatment and disposal activities; materials recovery	4,775	4,985	5,427	5,500	6,669	8,204	9,902	11,578
Total value added	33,092	36,174	37,712	38,292	41,888	47,630	51,742	55,354

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Water collection and supply	27,046	27,158	28,694	28,309	30,021	31,196	31,036	33,310
Waste collection, treatment and disposal activities; materials recovery	4,245	4,606	5,098	5,024	6,125	7,657	9,065	10,526
Total value added	31,318	31,813	33,832	33,373	36,151	38,781	39,845	43,435

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Water collection and supply	112.8	113.2	119.6	118.0	125.2	130.1	129.4	138.9
Waste collection, treatment and disposal activities; materials recovery	143.8	156.0	172.7	170.2	207.5	259.4	307.1	356.6
Total value added	116.3	118.1	125.6	123.9	134.2	144.0	147.9	161.2

**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

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Water collection and supply	4.1	0.4	5.7	-1.3	6.0	3.9	-0.5	7.3
Waste collection, treatment and disposal activities; materials recovery	9.6	8.5	10.7	-1.5	21.9	25.0	18.4	16.1
Total value added	4.9	1.6	6.3	-1.4	8.3	7.3	2.7	9.0

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Private construction	119,935	114,446	131,150	147,342	163,217	172,606	165,737	162,464
Public construction	147,009	156,812	171,642	159,280	177,739	172,392	171,499	217,670
Total value added	266,944	271,258	302,792	306,622	340,956	344,998	337,236	380,134

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Private construction	96,017	90,658	100,082	106,988	114,821	119,090	114,585	115,546
Public construction	107,040	118,854	127,316	110,862	120,308	115,641	114,386	151,805
Total value added	203,210	210,466	228,359	218,454	235,808	235,236	229,508	268,635

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Private construction	145.9	137.7	152.1	162.6	174.5	180.9	174.1	175.6
Public construction	106.1	117.8	126.2	109.9	119.2	114.6	113.4	150.4
Total value added	121.9	126.2	137.0	131.0	141.4	141.1	137.7	161.1

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Private construction	2.5	-5.6	10.4	6.9	7.3	3.7	-3.8	0.8
Public construction	-11.1	11.0	7.1	-12.9	8.5	-3.9	-1.1	32.7
Total value added	-5.3	3.6	8.5	-4.3	7.9	-0.2	-2.4	17.0

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Trade and repair of motor vehicles and motorcycles	131,639	125,406	145,688	143,287	174,191	165,405	155,023	157,034
Trade, except of motor vehicles and motorcycles	1,205,893	1,256,592	1,370,639	1,427,428	1,535,512	1,565,720	1,642,067	1,779,907
Total value added	1,337,532	1,381,998	1,516,327	1,570,715	1,709,703	1,731,125	1,797,090	1,936,941

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)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Trade and repair of motor vehicles and motorcycles	122,635	126,423	140,147	132,319	168,819	170,039	158,723	161,838
Trade, except of motor vehicles and motorcycles	1,011,484	980,411	1,067,990	1,074,546	1,106,476	1,116,447	1,114,381	1,160,454
Total value added	1,134,493	1,106,520	1,207,295	1,207,515	1,270,509	1,281,727	1,271,432	1,321,616

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)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Trade and repair of motor vehicles and motorcycles	142.0	146.4	162.2	153.2	195.4	196.9	183.8	187.4
Trade, except of motor vehicles and motorcycles	123.5	119.7	130.4	131.2	135.1	136.3	136.0	141.7
Total value added	125.3	122.2	133.3	133.3	140.3	141.5	140.4	145.9

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

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Trade and repair of motor vehicles and motorcycles	7.8	3.1	10.9	-5.6	27.6	0.7	-6.7	2.0
Trade, except of motor vehicles and motorcycles	-1.0	-3.1	8.9	0.6	3.0	0.9	-0.2	4.1
Total value added	-0.1	-2.5	9.1	0.0	5.2	0.9	-0.8	3.9

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Land transport and transport via pipelines	247,918	256,551	252,338	261,560	273,405	273,202	294,970	313,660
Water transport	99,723	106,564	112,663	115,418	119,717	128,035	135,399	146,343
Air transport	110,882	112,989	124,079	115,781	130,506	135,206	129,082	144,982
Warehousing and support activities for transportation	88,287	84,746	96,258	102,701	120,503	134,119	136,327	149,101
Postal and courier activities	18,910	17,976	21,815	21,010	22,200	23,307	25,052	25,827
Total value added	565,720	578,826	607,153	616,470	666,331	693,869	720,830	779,913

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Land transport and transport via pipelines	182,269	179,741	180,348	185,604	195,125	196,349	203,586	196,174
Water transport	79,690	83,857	88,433	92,391	95,798	101,427	107,970	114,746
Air transport	112,995	106,757	128,031	124,051	143,843	156,490	156,695	175,825
Warehousing and support activities for transportation	66,377	65,118	74,557	76,285	86,665	96,120	96,817	108,811
Postal and courier activities	13,401	12,779	15,170	14,482	15,694	16,626	17,807	17,778
Total value added	459,614	454,011	489,186	497,067	538,898	566,953	584,222	608,833

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Land transport and transport via pipelines	105.1	103.7	104.0	107.1	112.5	113.3	117.4	113.2
Water transport	163.0	171.5	180.9	189.0	196.0	207.5	220.9	234.7
Air transport	116.7	110.3	132.3	128.2	148.6	161.7	161.9	181.6
Warehousing and support activities for transportation	147.5	144.7	165.7	169.6	192.6	213.7	215.2	241.9
Postal and courier activities	149.0	142.1	168.6	161.0	174.5	184.8	198.0	197.6
Total value added	123.2	121.7	131.1	133.2	144.5	152.0	156.6	163.2

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Land transport and transport via pipelines	5.1	-1.4	0.3	2.9	5.1	0.6	3.7	-3.6
Water transport	4.6	5.2	5.5	4.5	3.7	5.9	6.5	6.3
Air transport	-16.3	-5.5	19.9	-3.1	16.0	8.8	0.1	12.2
Warehousing and support activities for transportation	0.5	-1.9	14.5	2.3	13.6	10.9	0.7	12.4
Postal and courier activities	-7.0	-4.6	18.7	-4.5	8.4	5.9	7.1	-0.2
Total value added	-1.1	-1.2	7.7	1.6	8.4	5.2	3.0	4.2

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Accommodation	113,968	96,789	111,790	141,309	172,636	203,700	207,304	263,583
Food and beverage service activities	184,906	188,654	200,120	208,214	240,655	269,570	290,454	334,558
Total value added	298,874	285,443	311,910	349,523	413,291	473,270	497,758	598,141

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Accommodation	95,603	94,515	108,535	139,677	172,439	194,906	201,153	242,643
Food and beverage service activities	183,121	179,435	191,110	197,092	212,350	228,166	232,258	256,275
Total value added	278,604	273,925	299,482	336,294	383,693	421,216	431,329	494,408

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Accommodation	120.1	118.7	136.3	175.4	216.6	244.8	252.6	304.7
Food and beverage service activities	133.4	130.8	139.3	143.6	154.8	166.3	169.3	186.8
Total value added	128.5	126.3	138.1	155.1	176.9	194.2	198.9	228.0

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Accommodation	3.7	-1.1	14.8	28.7	23.5	13.0	3.2	20.6
Food and beverage service activities	4.5	-2.0	6.5	3.1	7.7	7.4	1.8	10.3
Total value added	4.2	-1.7	9.3	12.3	14.1	9.8	2.4	14.6

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Publishing activities	12,577	11,959	12,324	12,630	13,537	14,424	15,457	17,632
Motion picture, video and television programme production, sound recording and music publishing activities	4,777	4,782	5,490	6,086	6,633	7,457	7,648	8,634
Programming and broadcasting activities	20,417	21,034	22,570	24,581	24,886	27,629	27,604	27,854
Telecommunications	137,430	129,754	135,466	145,076	157,798	164,976	166,328	179,191
Computer programming, consultancy and related activities	41,193	39,017	44,771	52,612	60,609	74,234	82,817	92,080
Information service activities	1,581	1,727	1,580	1,831	1,776	2,288	2,675	3,017
Total value added	217,975	208,273	222,201	242,816	265,239	291,008	302,529	328,408

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Publishing activities	12,211	11,749	12,216	12,550	12,474	12,884	13,752	15,603
Motion picture, video and television programme production, sound recording and music publishing activities	3,876	3,818	4,226	4,494	4,778	5,356	5,436	6,156
Programming and broadcasting activities	16,573	17,021	17,699	18,578	18,244	19,833	19,455	19,815
Telecommunications	242,270	244,343	257,207	277,532	307,507	326,092	342,605	368,763
Computer programming, consultancy and related activities	34,610	32,321	35,813	40,639	45,260	54,282	59,458	66,725
Information service activities	1,319	1,426	1,263	1,412	1,326	1,672	1,919	2,186
Total value added	296,407	294,481	312,398	338,732	368,592	404,026	426,694	464,491

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Publishing activities	113.7	109.4	113.8	116.9	116.2	120.0	128.1	145.3
Motion picture, video and television programme production, sound recording and music publishing activities	83.4	82.1	90.9	96.6	102.8	115.2	116.9	132.4
Programming and broadcasting activities	111.7	114.7	119.3	125.2	123.0	133.7	131.1	133.6
Telecommunications	249.9	252.0	265.3	286.2	317.1	336.3	353.3	380.3
Computer programming, consultancy and related activities	251.3	234.6	260.0	295.0	328.6	394.1	431.6	484.4
Information service activities	175.9	190.1	168.4	188.3	176.8	222.9	255.9	291.5
Total value added	209.2	207.8	220.5	239.0	260.1	285.1	301.1	327.8

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Publishing activities	6.1	-3.8	4.0	2.7	-0.6	3.3	6.7	13.5
Motion picture, video and television programme production, sound recording and music publishing activities	-3.9	-1.5	10.7	6.3	6.3	12.1	1.5	13.2
Programming and broadcasting activities	2.3	2.7	4.0	5.0	-1.8	8.7	-1.9	1.9
Telecommunications	14.6	0.9	5.3	7.9	10.8	6.0	5.1	7.6
Computer programming, consultancy and related activities	-1.1	-6.6	10.8	13.5	11.4	19.9	9.5	12.2
Information service activities	-5.8	8.1	-11.4	11.8	-6.1	26.1	14.8	13.9
Total value added	9.4	-0.6	6.1	8.4	8.8	9.6	5.6	8.9

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Financial service activities	417,765	431,141	467,331	522,075	605,715	694,738	766,535	831,779
Insurance, reinsurance and pension funding	80,746	97,927	86,293	94,181	109,289	133,372	154,535	172,002
Activities auxiliary to financial service and insurance activities	25,011	24,832	26,908	28,426	29,611	43,267	40,190	40,060
Total value added	523,522	553,900	580,532	644,682	744,615	871,377	961,260	1,043,841

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Financial service activities	263,243	289,774	313,112	333,645	389,034	426,100	455,833	494,812
Insurance, reinsurance and pension funding	65,781	79,562	67,887	71,373	80,302	96,027	110,510	124,234
Activities auxiliary to financial service and insurance activities	20,376	20,176	21,169	21,543	21,758	31,145	28,734	28,928
Total value added	352,591	392,175	407,451	432,403	498,628	560,159	602,101	655,349

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Financial service activities	126.7	139.4	150.7	160.5	187.2	205.0	219.3	238.1
Insurance, reinsurance and pension funding	125.4	151.6	129.4	136.0	153.0	183.0	210.6	236.7
Activities auxiliary to financial service and insurance activities	125.0	123.7	129.8	132.1	133.4	191.0	176.2	177.4
Total value added	127.5	141.8	147.3	156.3	180.3	202.5	217.7	236.9

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Financial service activities	0.8	10.1	8.1	6.6	16.6	9.5	7.0	8.6
Insurance, reinsurance and pension funding	-4.2	20.9	-14.7	5.1	12.5	19.6	15.1	12.4
Activities auxiliary to financial service and insurance activities	-12.6	-1.0	4.9	1.8	1.0	43.1	-7.7	0.7
Total value added	-0.7	11.2	3.9	6.1	15.3	12.3	7.5	8.8

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Real estate activities with own or leased property	266,255	259,736	267,449	272,667	279,198	280,301	288,171	300,491
Real estate activities on a fee or contract basis	20,540	18,991	26,676	33,507	38,572	38,792	36,457	34,422
Total value added	286,795	278,727	294,125	306,174	317,770	319,093	324,628	334,913

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Real estate activities with own or leased property	292,224	280,877	286,853	291,938	297,340	301,251	311,962	321,558
Real estate activities on a fee or contract basis	17,257	15,731	21,331	25,879	28,800	28,487	26,364	25,166
Total value added	308,358	295,289	308,305	319,237	328,441	331,803	339,160	346,691

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Real estate activities with own or leased property	135.2	129.9	132.7	135.0	137.5	139.3	144.3	148.7
Real estate activities on a fee or contract basis	124.7	113.7	154.1	187.0	208.1	205.8	190.5	181.8
Total value added	134.0	128.4	134.0	138.8	142.8	144.2	147.4	150.7

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Real estate activities with own or leased property	3.4	-3.9	2.1	1.8	1.9	1.3	3.6	3.1
Real estate activities on a fee or contract basis	-16.1	-8.8	35.6	21.3	11.3	-1.1	-7.5	-4.5
Total value added	1.8	-4.2	4.4	3.5	2.9	1.0	2.2	2.2

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Legal and accounting activities	9,046	9,160	9,851	11,009	11,368	11,203	12,457	13,449
Activities of head offices; management consultancy activities	143,201	125,249	145,081	151,467	176,407	185,250	185,938	176,311
Architectural and engineering activities; technical testing and analysis	11,263	10,746	12,305	14,454	16,975	17,099	16,650	17,089
Scientific research and development	4,453	4,894	5,970	13,525	26,137	25,812	25,373	24,247
Advertising and market research	9,771	9,066	10,473	11,491	12,354	12,910	13,400	13,471
Other professional, scientific and technical activities	11,946	10,866	11,653	12,185	15,158	14,293	13,445	14,344
Veterinary activities	185	221	261	307	386	391	506	619
Total value added	189,865	170,202	195,594	214,438	258,785	266,958	267,769	259,530

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Legal and accounting activities	7,600	7,588	7,880	8,504	8,489	8,237	9,020	9,847
Activities of head offices; management consultancy activities	120,314	103,755	116,052	116,997	131,730	136,123	134,549	129,015
Architectural and engineering activities; technical testing and analysis	9,462	8,902	9,843	11,164	12,676	12,562	12,046	12,503
Scientific research and development	3,745	4,058	4,780	10,458	19,538	18,984	18,377	17,758
Advertising and market research	8,208	7,509	8,376	8,873	9,222	9,485	9,695	9,856
Other professional, scientific and technical activities	15,673	14,389	15,989	17,586	22,686	22,105	21,052	22,139
Veterinary activities	171	203	240	281	350	355	455	548
Total value added	163,461	144,698	161,274	171,610	201,072	204,663	202,447	198,131

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Legal and accounting activities	110.9	110.7	115.0	124.1	123.8	120.2	131.6	143.6
Activities of head offices; management consultancy activities	162.3	140.0	156.6	157.9	177.7	183.7	181.5	174.1
Architectural and engineering activities; technical testing and analysis	157.0	147.7	163.3	185.2	210.3	208.4	199.8	207.4
Scientific research and development	909.0	985.0	1,160.2	2,538.3	4,742.2	4,607.8	4,460.4	4,310.2
Advertising and market research	134.8	123.3	137.5	145.7	151.4	155.7	159.2	161.8
Other professional, scientific and technical activities	363.1	333.3	370.4	407.4	525.5	512.0	487.7	512.8
Veterinary activities	113.2	134.4	158.9	186.1	231.8	235.1	301.3	362.9
Total value added	166.8	147.7	164.6	175.2	205.2	208.9	206.6	202.2

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Legal and accounting activities	1.0	-0.2	3.8	7.9	-0.2	-3.0	9.5	9.2
Activities of head offices; management consultancy activities	-2.4	-13.8	11.9	0.8	12.6	3.3	-1.2	-4.1
Architectural and engineering activities; technical testing and analysis	4.8	-5.9	10.6	13.4	13.5	-0.9	-4.1	3.8
Scientific research and development	5.3	8.4	17.8	118.8	86.8	-2.8	-3.2	-3.4
Advertising and market research	1.9	-8.5	11.5	5.9	3.9	2.9	2.2	1.7
Other professional, scientific and technical activities	21.8	-8.2	11.1	10.0	29.0	-2.6	-4.8	5.2
Veterinary activities	-11.9	18.7	18.2	17.1	24.6	1.4	28.2	20.4
Total value added	0.0	-11.5	11.5	6.4	17.2	1.8	-1.1	-2.1

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Rental and leasing activities	56,191	55,834	59,142	67,192	78,521	81,003	75,452	74,819
Employment activities	5,418	4,798	5,880	7,547	9,414	10,023	10,263	11,392
Travel agency, tour operator, reservation service and related activities	24,900	21,087	23,979	28,025	33,251	37,164	37,032	40,657
Security and investigation activities	7,689	7,422	8,080	9,407	11,259	12,032	12,691	13,926
Services to buildings and landscape activities	12,398	11,552	12,367	13,830	15,449	16,635	17,037	17,706
Office administrative, office support and other business support activities	62,197	55,183	62,297	63,204	80,047	77,600	79,166	78,545
Total value added	168,793	155,876	171,745	189,205	227,941	234,457	231,641	237,045

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Rental and leasing activities	47,209	46,251	47,308	51,901	58,634	59,510	54,595	54,743
Employment activities	4,552	3,975	4,704	5,830	7,030	7,368	7,430	8,339
Travel agency, tour operator, reservation service and related activities	17,935	15,271	16,638	18,495	21,228	23,253	22,711	25,311
Security and investigation activities	6,458	6,146	6,461	7,263	8,403	8,842	9,185	10,191
Services to buildings and landscape activities	10,404	9,561	9,883	10,672	11,522	12,216	12,326	12,953
Office administrative, office support and other business support activities	52,252	45,708	49,828	48,816	59,770	57,037	57,312	57,497
Total value added	138,820	126,738	134,696	142,970	166,525	168,465	163,809	169,616

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Rental and leasing activities	124.0	121.5	124.3	136.3	154.0	156.3	143.4	143.8
Employment activities	225.2	196.7	232.8	288.5	347.8	364.6	367.6	412.6
Travel agency, tour operator, reservation service and related activities	119.1	101.4	110.5	122.8	141.0	154.4	150.8	168.1
Security and investigation activities	213.7	203.4	213.8	240.3	278.1	292.6	303.9	337.2
Services to buildings and landscape activities	159.6	146.6	151.6	163.7	176.7	187.4	189.0	198.7
Office administrative, office support and other business support activities	164.8	144.2	157.2	154.0	188.5	179.9	180.8	181.3
Total value added	144.0	131.5	139.7	148.3	172.7	174.8	169.9	176.0

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Rental and leasing activities	-1.5	-2.0	2.3	9.7	13.0	1.5	-8.3	0.3
Employment activities	8.0	-12.7	18.3	23.9	20.6	4.8	0.8	12.2
Travel agency, tour operator, reservation service and related activities	-5.7	-14.9	9.0	11.2	14.8	9.5	-2.3	11.4
Security and investigation activities	12.4	-4.8	5.1	12.4	15.7	5.2	3.9	11.0
Services to buildings and landscape activities	-5.1	-8.1	3.4	8.0	8.0	6.0	0.9	5.1
Office administrative, office support and other business support activities	4.9	-12.5	9.0	-2.0	22.4	-4.6	0.5	0.3
Total value added	0.7	-8.7	6.3	6.1	16.5	1.2	-2.8	3.5

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Creative, arts and entertainment activities	1,308	1,255	1,392	1,627	1,870	2,129	2,020	2,205
Libraries, archives, museums and other cultural activities	145	162	193	215	261	267	324	440
Gambling and betting activities	20,890	19,800	26,599	31,765	38,184	38,874	38,721	38,577
Sport activities and amusement and recreation activities	15,177	15,306	16,332	17,049	20,042	24,165	24,587	28,988
Total value added	37,520	36,523	44,516	50,656	60,357	65,435	65,652	70,210

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Creative, arts and entertainment activities	1,255	1,205	1,340	1,565	1,794	2,042	1,931	2,105
Libraries, archives, museums and other cultural activities	169	195	243	271	324	335	410	548
Gambling and betting activities	16,957	16,019	20,859	24,009	27,995	27,896	27,274	28,569
Sport activities and amusement and recreation activities	19,268	19,450	21,708	23,821	29,014	36,013	37,709	43,790
Total value added	35,484	34,499	41,999	47,530	56,228	60,856	61,056	66,723

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Creative, arts and entertainment activities	201.1	193.1	214.7	250.8	287.5	327.2	309.5	337.3
Libraries, archives, museums and other cultural activities	49.7	57.4	71.5	79.7	95.3	98.5	120.6	161.2
Gambling and betting activities	134.9	127.4	165.9	191.0	222.7	221.9	216.9	227.2
Sport activities and amusement and recreation activities	187.0	188.8	210.7	231.2	281.6	349.5	366.0	425.0
Total value added	148.8	144.7	176.2	199.4	235.8	255.3	256.1	279.9

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Creative, arts and entertainment activities	29.9	-4.0	11.2	16.8	14.6	13.8	-5.4	9.0
Libraries, archives, museums and other cultural activities	-14.2	15.4	24.6	11.5	19.6	3.4	22.4	33.7
Gambling and betting activities	-11.6	-5.5	30.2	15.1	16.6	-0.4	-2.2	4.7
Sport activities and amusement and recreation activities	15.3	0.9	11.6	9.7	21.8	24.1	4.7	16.1
Total value added	-0.5	-2.8	21.7	13.2	18.3	8.2	0.3	9.3

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Activities of membership organizations	18,492	21,533	18,662	20,652	25,008	27,297	28,086	28,759
Repair of computers and personal and household goods	55,739	52,707	57,846	64,789	75,152	79,577	82,261	83,977
Other personal service activities	57,623	49,486	53,066	56,627	62,556	68,475	71,245	73,029
Total value added	131,854	123,726	129,574	142,068	162,716	175,349	181,592	185,765

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

(Millions of Baht)

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Activities of membership organizations	14,920	17,369	14,605	15,565	18,297	19,543	19,733	20,393
Repair of computers and personal and household goods	45,380	42,710	46,257	51,039	58,005	60,481	61,936	64,231
Other personal service activities	48,097	41,338	43,143	44,705	48,309	51,963	53,284	54,501
Total value added	108,630	101,756	104,315	111,664	125,052	132,463	135,425	139,612

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)**

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Activities of membership organizations	174.4	203.0	170.7	181.9	213.8	228.4	230.6	238.3
Repair of computers and personal and household goods	169.5	159.5	172.8	190.6	216.7	225.9	231.3	239.9
Other personal service activities	96.2	82.7	86.3	89.4	96.6	103.9	106.6	109.0
Total value added	127.3	119.2	122.2	130.8	146.5	155.2	158.7	163.6

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

Percent

	2008	2009	2010	2011	2012	2013r	2014r	2015p
Activities of membership organizations	4.3	16.4	-15.9	6.6	17.6	6.8	1.0	3.3
Repair of computers and personal and household goods	5.0	-5.9	8.3	10.3	13.6	4.3	2.4	3.7
Other personal service activities	-5.9	-14.1	4.4	3.6	8.1	7.6	2.5	2.3
Total value added	-0.2	-6.3	2.5	7.0	12.0	5.9	2.2	3.1

Gross Domestic Product
(Expenditure)

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Individual consumption expenditure of households	5,486,253	5,406,500	5,967,198	6,476,051	7,166,720	7,570,634	7,712,822	8,042,509
Food and non-alcoholic	1,401,644	1,418,110	1,589,711	1,726,426	1,809,626	1,871,175	1,937,151	1,981,660
Food	1,223,637	1,230,376	1,381,456	1,513,100	1,568,172	1,616,657	1,668,154	1,710,320
Bread and cereals	280,208	264,311	307,124	334,982	359,854	361,517	367,730	372,877
Meat	151,436	157,046	166,705	188,477	182,280	194,167	212,458	214,593
Fish	144,659	156,982	164,787	189,259	194,336	202,566	203,469	211,149
Milk, cheese and eggs	95,974	113,641	124,607	128,819	126,582	141,814	144,591	140,442
Oil and fat	47,934	51,306	59,593	82,162	85,604	85,098	91,343	89,593
Fruit	102,497	100,705	123,608	133,727	147,069	153,732	158,737	162,268
Vegetables	312,078	294,999	340,143	355,753	369,611	372,524	380,044	406,206
Sugar, jam, honey, chocolate and confectionery	38,409	40,086	44,011	47,194	49,568	51,098	53,086	54,055
Food products n.e.c.	50,442	51,300	50,878	52,727	53,268	54,141	56,696	59,137
Non-alcoholic beverages	178,007	187,734	208,255	213,326	241,454	254,518	268,997	271,340
Alcoholic beverages, tobacco and narcotic	243,621	232,766	235,068	235,457	249,956	255,988	264,832	270,515
Alcoholic beverages	176,981	164,385	164,581	160,724	174,266	172,575	178,588	184,085
Tobacco	66,640	68,381	70,487	74,733	75,690	83,413	86,244	86,430
Clothing and footwear	321,705	304,013	311,625	329,516	337,151	333,514	333,965	351,252
Clothing	300,302	281,613	287,948	303,322	310,476	304,331	303,211	318,076
Footwear	21,403	22,400	23,677	26,194	26,675	29,183	30,754	33,176
Housing, water, electricity, gas and other fuels	501,996	511,415	541,654	559,203	620,357	646,148	687,411	718,935
Housing and water	375,303	377,427	392,224	408,547	429,903	441,515	465,375	491,113
Electricity, gas and other fuels	126,693	133,988	149,430	150,656	190,454	204,633	222,036	227,822
Furnishings, households equipment and routine maintenance of the house	241,889	230,206	258,052	283,522	307,570	308,190	319,332	334,993
Furniture and furnishings, carpets and other floor covering	26,075	24,433	24,517	23,916	25,215	25,390	26,175	26,206
Households equipment and routine maintenance of the house	215,814	205,773	233,535	259,606	282,355	282,800	293,157	308,787
Health	229,607	225,465	256,202	296,608	310,393	329,391	343,885	358,427
Transport	840,319	804,848	958,221	1,015,093	1,237,489	1,266,890	1,131,453	1,067,785
Purchase of vehicles	222,002	206,694	290,255	312,060	484,882	480,754	331,077	302,467
Operation of personal transport equipment	335,910	314,737	364,087	387,606	426,781	447,849	456,596	409,312
Transport services	282,407	283,417	303,879	315,427	325,826	338,287	343,780	356,006
Communication	142,061	125,762	131,146	139,026	150,069	155,176	156,456	162,738
Recreation and culture	278,043	254,227	281,876	311,765	361,447	392,012	387,702	400,138
Audio-visual, photographic and information processing equipment	84,666	67,916	72,683	76,954	88,385	88,017	87,343	74,745
Other recreation and entertainment	147,597	140,871	161,559	184,951	219,080	245,730	241,259	268,130
Newspaper, books and stationery	45,780	45,440	47,634	49,860	53,982	58,265	59,100	57,263
Education	84,167	88,091	88,205	88,971	88,651	94,398	95,462	101,379
Restaurants and hotels	660,624	656,190	732,555	836,762	958,244	1,103,583	1,164,338	1,324,250
Miscellaneous goods and services	540,577	555,407	582,883	653,702	735,767	814,169	890,835	970,437
Personal care	101,137	105,022	110,170	121,559	131,717	140,988	153,387	172,721
Personal effects n.e.c.	94,599	99,261	110,482	142,000	154,430	163,243	182,570	214,271
Financial services	246,484	261,371	274,279	295,487	346,828	400,997	441,114	465,901
Other services n.e.c.	98,357	89,753	87,952	94,656	102,792	108,941	113,764	117,544
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	89,811	97,343	101,575	112,359	122,135	132,065	144,252	145,215
Health, education, and social protection	56,434	57,550	59,772	64,454	67,757	72,135	77,503	77,764
Other services n.e.c.	33,377	39,793	41,803	47,905	54,378	59,930	66,749	67,451
Private final consumption expenditure in the domestic market	5,576,064	5,503,843	6,068,773	6,588,410	7,288,855	7,702,699	7,857,074	8,187,724
Plus : Expenditure of residents abroad	131,650	123,538	150,591	156,957	186,322	188,700	215,003	239,935
Less : Expenditure of non-residents in the country	500,970	501,939	580,152	757,123	931,116	1,144,523	1,130,492	1,402,774
Private final consumption expenditure	5,206,744	5,125,442	5,639,212	5,988,244	6,544,061	6,746,876	6,941,585	7,024,885

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Individual consumption expenditure of households	4,387,724	4,314,518	4,590,631	4,787,151	5,177,066	5,356,650	5,354,322	5,621,351
Food and non-alcoholic	882,644	877,971	893,064	900,363	908,696	901,679	913,035	931,914
Food	723,221	715,446	718,750	724,287	721,122	709,688	714,548	731,508
Bread and cereals	167,101	163,410	167,360	170,111	171,541	171,841	173,339	176,017
Meat	109,634	109,175	111,448	112,088	111,234	110,768	112,259	116,343
Fish	114,227	114,119	114,094	120,038	116,980	108,242	102,965	104,444
Milk, cheese and eggs	74,475	83,903	87,952	84,416	83,863	88,994	89,442	89,532
Oil and fat	29,388	33,577	36,100	41,296	42,847	43,778	46,585	46,987
Fruit	48,624	45,675	45,782	44,315	43,677	43,029	43,922	44,496
Vegetables	108,241	102,290	97,294	96,571	96,124	91,232	92,579	97,112
Sugar, jam, honey, chocolate and confectionery	33,497	32,453	34,237	32,985	32,157	32,549	32,215	32,111
Food products n.e.c.	42,686	42,174	41,095	41,563	41,048	41,490	42,138	43,490
Non-alcoholic beverages	162,487	167,722	184,426	186,507	206,259	215,562	226,145	226,532
Alcoholic beverages, tobacco and narcotic	233,823	209,325	210,095	208,220	214,424	208,513	204,218	207,395
Alcoholic beverages	178,813	158,516	154,927	150,952	159,802	151,743	145,087	147,805
Tobacco	56,077	51,503	54,951	56,608	54,785	56,159	57,705	58,223
Clothing and footwear	303,102	288,463	291,924	301,228	300,378	290,835	284,687	290,223
Clothing	280,313	264,516	266,488	273,580	272,580	261,070	253,849	257,405
Footwear	22,738	24,210	25,884	28,364	28,558	31,126	32,585	34,966
Housing, water, electricity, gas and other fuels	477,451	479,755	508,519	522,510	564,773	574,489	595,425	623,720
Housing and water	376,795	375,990	390,842	403,902	422,150	430,276	449,072	467,225
Electricity, gas and other fuels	101,535	104,119	116,360	117,759	138,686	140,431	143,354	152,299
Furnishings, households equipment and routine maintenance of the house	234,898	221,763	248,225	269,523	288,697	287,094	293,069	303,866
Furniture and furnishings, carpets and other floor covering	27,133	25,240	25,334	24,717	25,685	26,116	26,476	26,157
Households equipment and routine maintenance of the house	207,717	196,449	222,586	244,258	262,354	260,374	265,957	276,916
Health	216,987	212,018	239,826	275,700	288,922	304,324	313,050	323,125
Transport	583,458	574,749	653,513	665,149	797,315	805,567	714,334	734,469
Purchase of vehicles	209,333	191,552	268,464	287,700	448,379	435,114	293,513	266,130
Operation of personal transport equipment	176,410	177,930	182,549	175,785	184,870	191,618	195,025	214,276
Transport services	199,124	201,535	215,142	222,048	227,246	235,319	238,805	251,106
Communication	174,281	156,922	167,992	178,372	185,408	196,805	217,789	231,975
Recreation and culture	258,383	243,656	275,410	302,730	347,026	374,545	366,153	376,998
Audio-visual, photographic and information processing equipment	83,514	74,315	82,942	89,483	100,356	99,558	98,379	84,255
Other recreation and entertainment	133,603	127,765	148,016	166,574	196,169	218,549	211,783	235,060
Newspaper, books and stationery	41,480	41,414	44,075	45,901	49,037	53,009	52,888	50,656
Education	76,523	81,942	84,702	85,593	85,247	90,151	90,239	94,088
Restaurants and hotels	556,386	552,919	603,555	655,770	737,486	828,550	846,848	952,318
Miscellaneous goods and services	412,687	423,381	434,090	465,241	514,400	570,714	610,891	662,896
Personal care	91,191	92,587	95,450	103,318	109,900	116,209	124,540	138,623
Personal effects n.e.c.	63,759	63,653	68,154	80,989	86,449	95,842	106,711	123,949
Financial services	178,242	193,604	199,694	206,033	238,546	274,577	292,371	307,456
Other services n.e.c.	79,390	72,427	68,844	71,375	75,241	78,037	79,977	84,363
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	72,434	78,501	79,454	85,648	90,374	95,631	102,512	102,317
Health, education, and social protection	45,516	46,411	46,755	49,131	50,136	52,234	55,077	55,078
Other services n.e.c.	26,920	32,092	32,701	36,518	40,239	43,399	47,438	47,241
Private final consumption expenditure in the domestic market	4,460,127	4,392,928	4,670,030	4,872,696	5,267,395	5,452,185	5,456,583	5,723,525
Plus : Expenditure of residents abroad	116,199	105,783	125,284	125,791	144,988	143,709	160,796	181,063
Less : Expenditure of non-residents in the country	454,077	409,655	483,558	617,383	744,063	898,175	873,808	1,075,162
Private final consumption expenditure	4,127,803	4,090,699	4,313,694	4,392,805	4,687,903	4,731,751	4,773,619	4,877,440

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)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Individual consumption expenditure of households	131.0	128.8	137.0	142.9	154.5	159.9	159.8	167.8
Food and non-alcoholic	121.9	121.3	123.4	124.4	125.5	124.6	126.1	128.7
<i>Food</i>	117.4	116.2	116.7	117.6	117.1	115.2	116.0	118.8
<i>Bread and cereals</i>	112.4	109.9	112.6	114.4	115.4	115.6	116.6	118.4
<i>Meat</i>	126.6	126.0	128.7	129.4	128.4	127.9	129.6	134.3
<i>Fish</i>	144.9	144.7	144.7	152.2	148.3	137.3	130.6	132.4
<i>Milk, cheese and eggs</i>	104.5	117.7	123.4	118.4	117.7	124.9	125.5	125.6
<i>Oil and fat</i>	140.7	160.8	172.9	197.8	205.2	209.6	223.1	225.0
<i>Fruit</i>	89.2	83.8	84.0	81.3	80.2	79.0	80.6	81.7
<i>Vegetables</i>	123.5	116.7	111.0	110.2	109.7	104.1	105.7	110.8
<i>Sugar, jam, honey, chocolate and confectionery</i>	129.3	125.3	132.2	127.3	124.1	125.7	124.4	124.0
<i>Food products n.e.c.</i>	102.6	101.4	98.8	99.9	98.7	99.7	101.3	104.6
<i>Non-alcoholic beverages</i>	150.4	155.2	170.7	172.6	190.9	199.5	209.3	209.7
Alcoholic beverages, tobacco and narcotic	136.0	121.7	122.2	121.1	124.7	121.2	118.8	120.6
<i>Alcoholic beverages</i>	155.0	137.4	134.3	130.8	138.5	131.5	125.7	128.1
<i>Tobacco</i>	99.1	91.0	97.1	100.1	96.8	99.3	102.0	102.9
Clothing and footwear	127.5	121.4	122.8	126.8	126.4	122.4	119.8	122.1
<i>Clothing</i>	126.9	119.7	120.6	123.8	123.4	118.2	114.9	116.5
<i>Footwear</i>	136.0	144.8	154.9	169.7	170.9	186.2	194.9	209.2
Housing, water, electricity, gas and other fuels	125.6	126.2	133.8	137.5	148.6	151.2	156.7	164.1
<i>Housing and water</i>	127.4	127.1	132.1	136.6	142.7	145.5	151.8	158.0
<i>Electricity, gas and other fuels</i>	120.5	123.6	138.1	139.8	164.6	166.7	170.2	180.8
Furnishings, households equipment and routine maintenance of the house	151.3	142.8	159.9	173.6	185.9	184.9	188.8	195.7
<i>Furniture and furnishings, carpets and other floor covering</i>	101.0	93.9	94.3	92.0	95.6	97.2	98.5	97.3
<i>Households equipment and routine maintenance of the house</i>	161.8	153.0	173.4	190.2	204.3	202.8	207.1	215.7
Health	137.7	134.6	152.2	175.0	183.4	193.2	198.7	205.1
Transport	128.1	126.2	143.4	146.0	175.0	176.8	156.8	161.2
<i>Purchase of vehicles</i>	160.1	146.5	205.3	220.1	343.0	332.8	224.5	203.6
<i>Operation of personal transport equipment</i>	111.3	112.3	115.2	110.9	116.6	120.9	123.0	135.2
<i>Transport services</i>	119.7	121.1	129.3	133.5	136.6	141.4	143.5	150.9
Communication	192.1	173.0	185.2	196.6	204.4	217.0	240.1	255.7
Recreation and culture	144.4	136.2	154.0	169.2	194.0	209.4	204.7	210.8
<i>Audio-visual, photographic and information processing equipment</i>	131.3	116.8	130.4	140.6	157.7	156.5	154.6	132.4
<i>Other recreation and entertainment</i>	158.3	151.3	175.3	197.3	232.4	258.9	250.9	278.4
<i>Newspaper, books and stationery</i>	134.5	134.3	142.9	148.9	159.0	171.9	171.5	164.3
Education	134.5	144.0	148.9	150.4	149.8	158.4	158.6	165.4
Restaurants and hotels	129.6	128.8	140.6	152.8	171.8	193.1	197.3	221.9
Miscellaneous goods and services	131.9	135.3	138.7	148.7	164.4	182.4	195.2	211.8
<i>Personal care</i>	141.1	143.3	147.7	159.9	170.1	179.9	192.8	214.6
<i>Personal effects n.e.c.</i>	126.5	126.3	135.2	160.7	171.5	190.2	211.7	245.9
<i>Financial services</i>	136.2	147.9	152.6	157.4	182.3	209.8	223.4	234.9
<i>Other services n.e.c.</i>	118.4	108.0	102.7	106.4	112.2	116.4	119.3	125.8
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	126.4	137.0	138.6	149.4	157.7	166.8	178.8	178.5
<i>Health, education, and social protection</i>	105.5	107.6	108.4	113.9	116.2	121.1	127.7	127.7
<i>Other services n.e.c.</i>	189.9	226.4	230.7	257.7	283.9	306.2	334.7	333.3
Private final consumption expenditure in the domestic market	130.9	128.9	137.0	143.0	154.6	160.0	160.1	168.0
Plus : Expenditure of residents abroad	102.2	93.1	110.2	110.7	127.5	126.4	141.4	159.3
Less : Expenditure of non-residents in the country	146.3	132.0	155.8	198.9	239.8	289.4	281.6	346.4
Private final consumption expenditure	128.5	127.4	134.3	136.8	146.0	147.4	148.7	151.9

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

	Percent							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Individual consumption expenditure of households	2.9	-1.7	6.4	4.3	8.1	3.5	0.0	5.0
Food and non-alcoholic	2.3	-0.5	1.7	0.8	0.9	-0.8	1.3	2.1
<i>Food</i>	2.0	-1.1	0.5	0.8	-0.4	-1.6	0.7	2.4
<i>Bread and cereals</i>	0.6	-2.2	2.4	1.6	0.8	0.2	0.9	1.5
<i>Meat</i>	10.6	-0.4	2.1	0.6	-0.8	-0.4	1.3	3.6
<i>Fish</i>	5.4	-0.1	0.0	5.2	-2.5	-7.5	-4.9	1.4
<i>Milk, cheese and eggs</i>	-4.2	12.7	4.8	-4.0	-0.7	6.1	0.5	0.1
<i>Oil and fat</i>	9.8	14.3	7.5	14.4	3.8	2.2	6.4	0.9
<i>Fruit</i>	-3.2	-6.1	0.2	-3.2	-1.4	-1.5	2.1	1.3
<i>Vegetables</i>	1.1	-5.5	-4.9	-0.7	-0.5	-5.1	1.5	4.9
<i>Sugar, jam, honey, chocolate and confectionery</i>	5.6	-3.1	5.5	-3.7	-2.5	1.2	-1.0	-0.3
<i>Food products n.e.c.</i>	-1.2	-1.2	-2.6	1.1	-1.2	1.1	1.6	3.2
<i>Non-alcoholic beverages</i>	4.2	3.2	10.0	1.1	10.6	4.5	4.9	0.2
Alcoholic beverages, tobacco and narcotic	3.6	-10.5	0.4	-0.9	3.0	-2.8	-2.1	1.6
<i>Alcoholic beverages</i>	3.6	-11.4	-2.3	-2.6	5.9	-5.0	-4.4	1.9
<i>Tobacco</i>	3.8	-8.2	6.7	3.0	-3.2	2.5	2.8	0.9
Clothing and footwear	2.1	-4.8	1.2	3.2	-0.3	-3.2	-2.1	1.9
<i>Clothing</i>	2.0	-5.6	0.7	2.7	-0.4	-4.2	-2.8	1.4
<i>Footwear</i>	4.6	6.5	6.9	9.6	0.7	9.0	4.7	7.3
Housing, water, electricity, gas and other fuels	0.1	0.5	6.0	2.8	8.1	1.7	3.6	4.8
<i>Housing and water</i>	1.8	-0.2	4.0	3.3	4.5	1.9	4.4	4.0
<i>Electricity, gas and other fuels</i>	-4.9	2.5	11.8	1.2	17.8	1.3	2.1	6.2
Furnishings, households equipment and routine maintenance of the house	6.5	-5.6	11.9	8.6	7.1	-0.6	2.1	3.7
<i>Furniture and furnishings, carpets and other floor covering</i>	4.2	-7.0	0.4	-2.4	3.9	1.7	1.4	-1.2
<i>Households equipment and routine maintenance of the house</i>	6.8	-5.4	13.3	9.7	7.4	-0.8	2.1	4.1
Health	3.4	-2.3	13.1	15.0	4.8	5.3	2.9	3.2
Transport	1.5	-1.5	13.7	1.8	19.9	1.0	-11.3	2.8
<i>Purchase of vehicles</i>	14.9	-8.5	40.2	7.2	55.8	-3.0	-32.5	-9.3
<i>Operation of personal transport equipment</i>	-7.2	0.9	2.6	-3.7	5.2	3.7	1.8	9.9
<i>Transport services</i>	2.1	1.2	6.8	3.2	2.3	3.6	1.5	5.2
Communication	6.6	-10.0	7.1	6.2	3.9	6.1	10.7	6.5
Recreation and culture	3.8	-5.7	13.0	9.9	14.6	7.9	-2.2	3.0
<i>Audio-visual, photographic and information processing equipment</i>	3.0	-11.0	11.6	7.9	12.2	-0.8	-1.2	-14.4
<i>Other recreation and entertainment</i>	4.3	-4.4	15.9	12.5	17.8	11.4	-3.1	11.0
<i>Newspaper, books and stationery</i>	3.6	-0.2	6.4	4.1	6.8	8.1	-0.2	-4.2
Education	3.5	7.1	3.4	1.1	-0.4	5.8	0.1	4.3
Restaurants and hotels	5.6	-0.6	9.2	8.7	12.5	12.3	2.2	12.5
Miscellaneous goods and services	2.7	2.6	2.5	7.2	10.6	10.9	7.0	8.5
<i>Personal care</i>	5.5	1.5	3.1	8.2	6.4	5.7	7.2	11.3
<i>Personal effects n.e.c.</i>	4.8	-0.2	7.1	18.8	6.7	10.9	11.3	16.2
<i>Financial services</i>	5.8	8.6	3.1	3.2	15.8	15.1	6.5	5.2
<i>Other services n.e.c.</i>	-8.5	-8.8	-4.9	3.7	5.4	3.7	2.5	5.5
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	7.7	8.4	1.2	7.8	5.5	5.8	7.2	-0.2
<i>Health, education, and social protection</i>	6.0	2.0	0.7	5.1	2.0	4.2	5.4	0.0
<i>Other services n.e.c.</i>	10.7	19.2	1.9	11.7	10.2	7.9	9.3	-0.4
Private final consumption expenditure in the domestic market	3.0	-1.5	6.3	4.3	8.1	3.5	0.1	4.9
Plus : Expenditure of residents abroad	-10.1	-9.0	18.4	0.4	15.3	-0.9	11.9	12.6
Less : Expenditure of non-residents in the country	0.6	-9.8	18.0	27.7	20.5	20.7	-2.7	23.0
Private final consumption expenditure	2.8	-0.9	5.5	1.8	6.7	0.9	0.9	2.2

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Individual consumption expenditure of households	5,486,253	5,406,500	5,967,198	6,476,051	7,166,720	7,570,634	7,712,822	8,042,509
Food and non-alcoholic	1,401,644	1,418,110	1,589,711	1,726,426	1,809,626	1,871,175	1,937,151	1,981,660
Non-durable goods	1,401,644	1,418,110	1,589,711	1,726,426	1,809,626	1,871,175	1,937,151	1,981,660
Alcoholic beverages, tobacco and narcotic	243,621	232,766	235,068	235,457	249,956	255,988	264,832	270,515
Non-durable goods	243,621	232,766	235,068	235,457	249,956	255,988	264,832	270,515
Clothing and footwear	321,705	304,013	311,625	329,516	337,151	333,514	333,965	351,252
Semi-durable goods	318,567	300,743	308,310	325,926	333,238	329,207	329,756	346,674
Services	3,138	3,270	3,315	3,590	3,913	4,307	4,209	4,578
Housing, water, electricity, gas and other fuels	501,996	511,415	541,654	559,203	620,357	646,148	687,411	718,935
Non-durable goods	147,875	154,035	176,349	181,014	224,030	241,003	262,268	268,695
Services	354,121	357,380	365,305	378,189	396,327	405,145	425,143	450,240
Furnishings, households equipment and routine maintenance of the house	241,889	230,206	258,052	283,522	307,570	308,190	319,332	334,993
Durable goods	45,104	49,594	58,789	69,315	71,641	71,549	72,749	73,678
Semi-durable goods	126,727	110,528	128,938	141,813	159,455	157,699	164,239	173,811
Non-durable goods	36,625	37,939	39,784	41,740	43,418	45,199	47,089	49,261
Services	33,433	32,145	30,541	30,654	33,056	33,743	35,255	38,243
Health	229,607	225,465	256,202	296,608	310,393	329,391	343,885	358,427
Durable goods	3,884	4,084	4,730	5,423	6,093	6,096	6,375	6,511
Non-durable goods	82,659	81,629	87,787	106,786	114,531	129,225	138,620	147,186
Services	143,064	139,752	163,685	184,399	189,769	194,070	198,890	204,730
Transport	840,319	804,848	958,221	1,015,093	1,237,489	1,266,890	1,131,453	1,067,785
Durable goods	222,002	206,694	290,255	312,060	484,882	480,754	331,077	302,467
Semi-durable goods	21,168	21,833	26,204	25,652	28,079	28,706	28,408	30,999
Non-durable goods	282,804	259,127	301,584	322,725	354,673	370,827	378,652	324,793
Services	314,345	317,194	340,178	354,656	369,855	386,603	393,316	409,526
Communication	142,061	125,762	131,146	139,026	150,069	155,176	156,456	162,738
Durable goods	5,581	5,123	5,767	6,033	6,535	7,306	7,497	7,467
Services	136,480	120,639	125,379	132,993	143,534	147,870	148,959	155,271
Recreation and culture	278,043	254,227	281,876	311,765	361,447	392,012	387,702	400,138
Durable goods	75,285	58,412	62,617	67,167	78,861	79,365	78,529	66,371
Semi-durable goods	39,541	40,563	42,131	42,202	43,056	43,204	43,656	44,085
Non-durable goods	32,119	30,417	32,959	35,042	39,056	43,166	42,880	40,530
Services	131,098	124,835	144,169	167,354	200,474	226,277	222,637	249,152
Education	84,167	88,091	88,205	88,971	88,651	94,398	95,462	101,379
Services	84,167	88,091	88,205	88,971	88,651	94,398	95,462	101,379
Restaurants and hotels	660,624	656,190	732,555	836,762	958,244	1,103,583	1,164,338	1,324,250
Services	660,624	656,190	732,555	836,762	958,244	1,103,583	1,164,338	1,324,250
Miscellaneous goods and services	540,577	555,407	582,883	653,702	735,767	814,169	890,835	970,437
Durable goods	78,452	80,802	90,759	115,616	123,157	130,220	134,886	153,960
Semi-durable goods	16,037	18,274	19,557	26,231	31,187	32,885	47,701	60,411
Non-durable goods	78,222	80,763	84,341	92,923	101,193	108,698	119,539	135,088
Services	367,866	375,568	388,226	418,932	480,230	542,366	588,709	620,978
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	89,811	97,343	101,575	112,359	122,135	132,065	144,252	145,215
Semi-durable goods	375	441	521	589	794	961	1,092	861
Non-durable goods	16,724	18,505	20,198	21,623	21,795	22,863	24,597	24,514
Services	72,712	78,397	80,856	90,147	99,546	108,241	118,563	119,840
Private final consumption expenditure in the domestic market	5,576,064	5,503,843	6,068,773	6,588,410	7,288,855	7,702,699	7,857,074	8,187,724
Plus : Expenditure of residents abroad	131,650	123,538	150,591	156,957	186,322	188,700	215,003	239,935
Less : Expenditure of non-residents in the country	500,970	501,939	580,152	757,123	931,116	1,144,523	1,130,492	1,402,774
Private final consumption expenditure	5,206,744	5,125,442	5,639,212	5,988,244	6,544,061	6,746,876	6,941,585	7,024,885
Durable goods	430,309	404,708	512,918	575,615	771,169	775,291	631,114	610,455
Semi-durable goods	522,415	492,383	525,661	562,414	595,809	592,662	614,851	656,841
Non-durable goods	2,322,291	2,313,292	2,567,782	2,763,736	2,958,277	3,088,145	3,215,626	3,242,241
Services	1,931,729	1,915,059	2,032,851	2,086,479	2,218,806	2,290,778	2,479,994	2,515,348

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Individual consumption expenditure of households	4,387,725	4,314,519	4,590,632	4,787,152	5,177,067	5,356,651	5,354,324	5,621,352
Food and non-alcoholic	882,644	877,972	893,065	900,364	908,697	901,680	913,036	931,914
Non-durable goods	882,644	877,972	893,065	900,364	908,697	901,680	913,036	931,914
Alcoholic beverages, tobacco and narcotic	233,824	209,326	210,095	208,220	214,425	208,514	204,219	207,396
Non-durable goods	233,824	209,326	210,095	208,220	214,425	208,514	204,219	207,396
Clothing and footwear	303,102	288,463	291,924	301,228	300,378	290,835	284,688	290,223
Semi-durable goods	300,078	285,323	288,737	297,818	296,690	286,829	280,795	286,075
Services	3,025	3,146	3,194	3,421	3,710	4,056	3,940	4,214
Housing, water, electricity, gas and other fuels	477,451	479,754	508,518	522,509	564,772	574,488	595,423	623,718
Non-durable goods	122,482	122,515	141,747	145,509	168,988	171,728	176,055	186,035
Services	356,201	358,597	365,101	375,318	391,220	398,168	415,341	432,730
Furnishings, households equipment and routine maintenance of the house	234,898	221,762	248,224	269,522	288,696	287,093	293,067	303,865
Durable goods	46,754	51,207	61,046	72,478	74,789	75,138	76,030	76,474
Semi-durable goods	128,832	111,349	130,354	142,339	159,125	157,161	162,666	171,039
Non-durable goods	29,960	29,720	31,231	32,068	32,674	34,010	34,938	36,359
Services	30,320	30,019	27,354	25,752	26,127	24,665	23,794	24,449
Health	216,988	212,019	239,827	275,702	288,924	304,327	313,053	323,128
Durable goods	4,869	5,243	5,873	5,740	7,364	7,388	7,303	7,181
Non-durable goods	80,177	78,461	83,503	101,379	109,950	123,235	131,549	139,193
Services	132,219	128,719	150,673	168,750	172,102	174,540	175,257	178,005
Transport	583,457	574,748	653,512	665,148	797,313	805,565	714,332	734,466
Durable goods	209,332	191,552	268,463	287,699	448,378	435,113	293,512	266,129
Semi-durable goods	17,100	18,187	21,330	20,214	21,595	22,123	21,743	23,710
Non-durable goods	133,393	133,189	135,595	129,924	136,490	141,238	144,033	158,552
Services	225,067	228,934	242,540	249,846	256,436	266,232	270,451	285,607
Communication	174,280	156,921	167,991	178,371	185,407	196,804	217,787	231,973
Durable goods	7,773	7,374	8,428	9,148	10,161	11,340	12,819	12,894
Services	166,416	149,511	159,599	169,286	175,416	185,764	205,351	219,340
Recreation and culture	258,383	243,655	275,410	302,729	347,025	374,544	366,153	376,998
Durable goods	74,898	65,482	73,834	81,111	92,792	93,126	91,806	77,503
Semi-durable goods	37,390	38,359	40,604	40,595	41,239	41,419	41,488	41,682
Non-durable goods	28,752	27,448	29,939	31,334	34,214	38,110	37,294	34,892
Services	117,713	112,369	130,864	149,258	177,847	198,910	192,928	215,696
Education	76,524	81,943	84,703	85,594	85,247	90,152	90,239	94,089
Services	76,524	81,943	84,703	85,594	85,247	90,152	90,239	94,089
Restaurants and hotels	556,385	552,919	603,555	655,770	737,486	828,550	846,848	952,318
Services	556,385	552,919	603,555	655,770	737,486	828,550	846,848	952,318
Miscellaneous goods and services	412,687	423,381	434,089	465,240	514,399	570,713	610,889	662,893
Durable goods	49,899	48,443	51,805	60,381	64,218	72,021	75,125	84,636
Semi-durable goods	14,629	16,492	17,807	23,082	25,031	26,447	36,943	46,626
Non-durable goods	71,670	72,076	73,844	79,809	85,402	90,772	98,543	110,171
Services	277,928	288,362	292,202	302,887	341,206	382,029	402,700	424,691
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	72,434	78,501	79,454	85,648	90,374	95,631	102,513	102,317
Semi-durable goods	324	360	513	598	798	957	1,079	846
Non-durable goods	14,766	15,950	17,079	17,833	17,663	18,221	19,169	18,842
Services	57,358	62,201	61,951	67,268	71,901	76,421	82,204	82,468
Private final consumption expenditure in the domestic market	4,460,126	4,392,927	4,670,029	4,872,696	5,267,395	5,452,185	5,456,583	5,723,525
Plus : Expenditure of residents abroad	116,199	105,783	125,284	125,791	144,988	143,709	160,796	181,063
Less : Expenditure of non-residents in the country	454,077	409,655	483,557	617,383	744,062	898,174	873,808	1,075,162
Private final consumption expenditure	4,127,804	4,090,699	4,313,694	4,392,804	4,687,902	4,731,750	4,773,619	4,877,440
Durable goods	391,413	367,487	464,469	512,813	687,175	688,974	555,463	532,860
Semi-durable goods	497,515	470,462	499,370	524,117	543,056	533,717	543,939	570,211
Non-durable goods	1,591,168	1,567,139	1,612,747	1,632,883	1,684,791	1,697,445	1,725,604	1,788,982
Services	1,654,482	1,691,290	1,757,545	1,750,562	1,833,103	1,872,112	1,992,538	2,015,719

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)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Individual consumption expenditure of households	131.0	128.8	137.0	142.9	154.5	159.9	159.8	167.8
Food and non-alcoholic	121.9	121.3	123.4	124.4	125.5	124.6	126.1	128.7
<i>Non-durable goods</i>	121.9	121.3	123.4	124.4	125.5	124.6	126.1	128.7
Alcoholic beverages, tobacco and narcotic	136.0	121.7	122.2	121.1	124.7	121.2	118.8	120.6
<i>Non-durable goods</i>	136.0	121.7	122.2	121.1	124.7	121.2	118.8	120.6
Clothing and footwear	127.5	121.4	122.8	126.8	126.4	122.4	119.8	122.1
<i>Semi-durable goods</i>	127.3	121.0	122.5	126.3	125.9	121.7	119.1	121.4
<i>Services</i>	156.8	163.1	165.6	177.3	192.3	210.3	204.3	218.5
Housing, water, electricity, gas and other fuels	125.6	126.2	133.8	137.5	148.6	151.2	156.7	164.1
<i>Non-durable goods</i>	119.0	119.0	137.7	141.4	164.2	166.8	171.0	180.7
<i>Services</i>	128.6	129.4	131.8	135.5	141.2	143.7	149.9	156.2
Furnishings, households equipment and routine maintenance of the house	151.3	142.8	159.9	173.6	185.9	184.9	188.8	195.7
<i>Durable goods</i>	151.1	165.5	197.3	234.2	241.7	242.8	245.7	247.1
<i>Semi-durable goods</i>	175.7	151.8	177.8	194.1	217.0	214.3	221.8	233.2
<i>Non-durable goods</i>	124.7	123.7	130.0	133.5	136.0	141.5	145.4	151.3
<i>Services</i>	112.5	111.4	101.5	95.5	96.9	91.5	88.3	90.7
Health	137.7	134.6	152.2	175.0	183.4	193.2	198.7	205.1
<i>Durable goods</i>	370.0	398.4	446.3	436.2	559.6	561.4	554.9	545.7
<i>Non-durable goods</i>	140.4	137.4	146.2	177.5	192.5	215.8	230.4	243.8
<i>Services</i>	133.4	129.8	152.0	170.2	173.6	176.1	176.8	179.6
Transport	128.1	126.2	143.4	146.0	175.0	176.8	156.8	161.2
<i>Durable goods</i>	160.1	146.5	205.3	220.1	343.0	332.8	224.5	203.6
<i>Semi-durable goods</i>	112.2	119.3	139.9	132.6	141.7	145.1	142.7	155.6
<i>Non-durable goods</i>	110.6	110.4	112.4	107.7	113.2	117.1	119.4	131.5
<i>Services</i>	119.1	121.1	128.3	132.2	135.7	140.9	143.1	151.1
Communication	192.1	173.0	185.2	196.6	204.4	216.9	240.1	255.7
<i>Durable goods</i>	142.8	135.5	154.8	168.0	186.6	208.3	235.5	236.8
<i>Services</i>	195.2	175.3	187.2	198.5	205.7	217.9	240.8	257.2
Recreation and culture	144.4	136.2	154.0	169.2	194.0	209.4	204.7	210.8
<i>Durable goods</i>	127.3	111.3	125.5	137.9	157.7	158.3	156.1	131.7
<i>Semi-durable goods</i>	211.6	217.1	229.8	229.8	233.4	234.4	234.8	235.9
<i>Non-durable goods</i>	105.4	100.6	109.8	114.9	125.4	139.7	136.7	127.9
<i>Services</i>	156.7	149.6	174.2	198.7	236.8	264.8	256.9	287.2
Education	134.5	144.0	148.9	150.4	149.8	158.4	158.6	165.4
<i>Services</i>	134.5	144.0	148.9	150.4	149.8	158.4	158.6	165.4
Restaurants and hotels	129.6	128.8	140.6	152.8	171.8	193.1	197.3	221.9
<i>Services</i>	129.6	128.8	140.6	152.8	171.8	193.1	197.3	221.9
Miscellaneous goods and services	131.9	135.3	138.7	148.7	164.4	182.4	195.2	211.8
<i>Durable goods</i>	113.4	110.0	117.7	137.2	145.9	163.6	170.7	192.3
<i>Semi-durable goods</i>	232.0	261.5	282.4	366.0	396.9	419.4	585.8	739.4
<i>Non-durable goods</i>	144.7	145.5	149.1	161.1	172.4	183.3	199.0	222.4
<i>Services</i>	130.4	135.3	137.1	142.1	160.1	179.3	189.0	199.3
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	126.4	137.0	138.6	149.4	157.7	166.8	178.8	178.5
<i>Semi-durable goods</i>	142.7	158.6	226.0	263.4	351.5	421.6	475.3	372.7
<i>Non-durable goods</i>	297.8	321.7	344.5	359.7	356.3	367.5	386.6	380.0
<i>Services</i>	110.0	119.3	118.8	129.0	137.9	146.6	157.7	158.2
Private final consumption expenditure in the domestic market	130.9	128.9	137.0	143.0	154.6	160.0	160.1	168.0
Plus : Expenditure of residents abroad	102.2	93.1	110.2	110.7	127.5	126.4	141.4	159.3
Less : Expenditure of non-residents in the country	146.3	132.0	155.8	198.9	239.8	289.4	281.6	346.4
Private final consumption expenditure	128.5	127.4	134.3	136.8	146.0	147.4	148.7	151.9
<i>Durable goods</i>	144.3	135.5	171.2	189.0	253.3	254.0	204.8	196.4
<i>Semi-durable goods</i>	142.8	135.0	143.3	150.4	155.8	153.2	156.1	163.6
<i>Non-durable goods</i>	124.1	122.2	125.8	127.3	131.4	132.4	134.6	139.5
<i>Services</i>	126.4	129.2	134.3	133.7	140.0	143.0	152.2	154.0

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

	Percent							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Individual consumption expenditure of households	2.9	-1.7	6.4	4.3	8.1	3.5	0.0	5.0
Food and non-alcoholic	2.3	-0.5	1.7	0.8	0.9	-0.8	1.3	2.1
<i>Non-durable goods</i>	2.3	-0.5	1.7	0.8	0.9	-0.8	1.3	2.1
Alcoholic beverages, tobacco and narcotic	3.6	-10.5	0.4	-0.9	3.0	-2.8	-2.1	1.6
<i>Non-durable goods</i>	3.6	-10.5	0.4	-0.9	3.0	-2.8	-2.1	1.6
Clothing and footwear	2.1	-4.8	1.2	3.2	-0.3	-3.2	-2.1	1.9
<i>Semi-durable goods</i>	2.2	-4.9	1.2	3.1	-0.4	-3.3	-2.1	1.9
<i>Services</i>	0.2	4.0	1.5	7.1	8.4	9.3	-2.9	7.0
Housing, water, electricity, gas and other fuels	0.1	0.5	6.0	2.8	8.1	1.7	3.6	4.8
<i>Non-durable goods</i>	-5.8	0.0	15.7	2.7	16.1	1.6	2.5	5.7
<i>Services</i>	2.7	0.7	1.8	2.8	4.2	1.8	4.3	4.2
Furnishings, households equipment and routine maintenance of the house	6.5	-5.6	11.9	8.6	7.1	-0.6	2.1	3.7
<i>Durable goods</i>	6.6	9.5	19.2	18.7	3.2	0.5	1.2	0.6
<i>Semi-durable goods</i>	10.9	-13.6	17.1	9.2	11.8	-1.2	3.5	5.1
<i>Non-durable goods</i>	1.9	-0.8	5.1	2.7	1.9	4.1	2.7	4.1
<i>Services</i>	-4.1	-1.0	-8.9	-5.9	1.5	-5.6	-3.5	2.8
Health	3.4	-2.3	13.1	15.0	4.8	5.3	2.9	3.2
<i>Durable goods</i>	22.0	7.7	12.0	-2.3	28.3	0.3	-1.2	-1.7
<i>Non-durable goods</i>	9.3	-2.1	6.4	21.4	8.5	12.1	6.7	5.8
<i>Services</i>	-0.2	-2.6	17.1	12.0	2.0	1.4	0.4	1.6
Transport	1.5	-1.5	13.7	1.8	19.9	1.0	-11.3	2.8
<i>Durable goods</i>	14.9	-8.5	40.2	7.2	55.8	-3.0	-32.5	-9.3
<i>Semi-durable goods</i>	0.4	6.4	17.3	-5.2	6.8	2.4	-1.7	9.0
<i>Non-durable goods</i>	-8.7	-0.2	1.8	-4.2	5.1	3.5	2.0	10.1
<i>Services</i>	2.1	1.7	5.9	3.0	2.6	3.8	1.6	5.6
Communication	6.6	-10.0	7.1	6.2	3.9	6.1	10.7	6.5
<i>Durable goods</i>	20.9	-5.1	14.3	8.5	11.1	11.6	13.0	0.6
<i>Services</i>	6.1	-10.2	6.7	6.1	3.6	5.9	10.5	6.8
Recreation and culture	3.8	-5.7	13.0	9.9	14.6	7.9	-2.2	3.0
<i>Durable goods</i>	5.2	-12.6	12.8	9.9	14.4	0.4	-1.4	-15.6
<i>Semi-durable goods</i>	-2.3	2.6	5.9	0.0	1.6	0.4	0.2	0.5
<i>Non-durable goods</i>	7.3	-4.5	9.1	4.7	9.2	11.4	-2.1	-6.4
<i>Services</i>	4.0	-4.5	16.5	14.1	19.2	11.8	-3.0	11.8
Education	3.5	7.1	3.4	1.1	-0.4	5.8	0.1	4.3
<i>Services</i>	3.5	7.1	3.4	1.1	-0.4	5.8	0.1	4.3
Restaurants and hotels	5.6	-0.6	9.2	8.7	12.5	12.3	2.2	12.5
<i>Services</i>	5.6	-0.6	9.2	8.7	12.5	12.3	2.2	12.5
Miscellaneous goods and services	2.7	2.6	2.5	7.2	10.6	10.9	7.0	8.5
<i>Durable goods</i>	2.7	-2.9	6.9	16.6	6.4	12.2	4.3	12.7
<i>Semi-durable goods</i>	15.8	12.7	8.0	29.6	8.4	5.7	39.7	26.2
<i>Non-durable goods</i>	5.3	0.6	2.5	8.1	7.0	6.3	8.6	11.8
<i>Services</i>	1.6	3.8	1.3	3.7	12.7	12.0	5.4	5.5
Individual consumption expenditure of non-profit institutions serving households (NPISHs)	7.7	8.4	1.2	7.8	5.5	5.8	7.2	-0.2
<i>Semi-durable goods</i>	14.5	11.1	42.5	16.6	33.4	19.9	12.7	-21.6
<i>Non-durable goods</i>	2.1	8.0	7.1	4.4	-1.0	3.2	5.2	-1.7
<i>Services</i>	9.1	8.4	-0.4	8.6	6.9	6.3	7.6	0.3
Private final consumption expenditure in the domestic market	3.0	-1.5	6.3	4.3	8.1	3.5	0.1	4.9
Plus : Expenditure of residents abroad	-10.1	-9.0	18.4	0.4	15.3	-0.9	11.9	12.6
Less : Expenditure of non-residents in the country	0.6	-9.8	18.0	27.7	20.5	20.7	-2.7	23.0
Private final consumption expenditure	2.8	-0.9	5.5	1.8	6.7	0.9	0.9	2.2
<i>Durable goods</i>	10.1	-6.1	26.4	10.4	34.0	0.3	-19.4	-4.1
<i>Semi-durable goods</i>	4.2	-5.4	6.1	5.0	3.6	-1.7	1.9	4.8
<i>Non-durable goods</i>	0.9	-1.5	2.9	1.2	3.2	0.8	1.7	3.7
<i>Services</i>	3.1	2.2	3.9	-0.4	4.7	2.1	6.4	1.2

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
By type of expenditure								
Compensation of employees	803,101	868,511	926,078	995,458	1,087,338	1,140,263	1,221,964	1,287,733
Consumption of fixed capital	178,015	183,615	193,277	209,493	232,355	245,156	249,348	259,716
Purchases from enterprises and abroad	328,960	394,728	446,794	484,161	532,817	595,761	631,875	696,627
Less: Purchases by households and enterprises	37,027	71,451	72,466	77,384	77,388	100,156	100,008	118,305
Social transfers in kind - purchased market production	119,117	168,059	214,094	213,408	245,672	237,892	239,754	240,365
General government final consumption expenditure	1,392,166	1,543,462	1,707,777	1,825,136	2,020,794	2,118,916	2,242,933	2,366,136
By classification of the functions of government (COFOG)								
General public services	191,706	209,758	221,200	239,642	275,399	304,383	325,887	354,876
Defence	133,432	142,695	155,824	177,694	183,465	195,278	219,103	240,622
Public order and safety	149,291	156,435	172,584	176,949	191,284	193,674	200,819	213,134
Economic affairs	215,159	230,314	254,208	262,366	278,155	296,578	296,288	308,339
Environmental protection	11,984	18,449	23,893	25,542	28,273	28,220	31,323	34,929
Housing and community amenities	40,380	48,764	44,737	53,600	63,622	72,927	67,855	68,305
Health	208,352	241,191	276,167	282,445	328,196	340,293	372,680	385,517
Recreation, culture and religion	36,179	34,209	35,418	34,283	38,685	38,204	39,899	40,185
Education	387,145	437,297	498,038	543,631	602,520	620,571	662,207	690,684
Social protection	18,538	24,350	25,708	28,984	31,195	28,788	26,872	29,545
General government final consumption expenditure	1,392,166	1,543,462	1,707,777	1,825,136	2,020,794	2,118,916	2,242,933	2,366,136
By type of services								
Collective consumption expenditure	763,837	817,610	890,448	954,829	1,037,972	1,104,489	1,147,452	1,219,128
Individual consumption expenditure	628,329	725,852	817,329	870,307	982,822	1,014,427	1,095,481	1,147,008
General government final consumption expenditure	1,392,166	1,543,462	1,707,777	1,825,136	2,020,794	2,118,916	2,242,933	2,366,136

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
By type of expenditure								
Compensation of employees	565,747	598,381	628,287	650,919	681,550	686,108	705,181	712,294
Consumption of fixed capital	136,226	141,114	146,612	153,040	164,360	169,502	168,101	169,203
Purchases from enterprises and abroad	278,285	341,976	380,710	405,560	438,986	482,915	507,212	568,769
Less: Purchases by households and enterprises	31,802	62,774	62,590	65,952	64,761	82,571	81,767	98,669
Social transfers in kind - purchased market production	102,313	147,658	184,927	181,892	205,124	196,645	195,093	193,584
General government final consumption expenditure	1,044,146	1,152,699	1,255,683	1,302,439	1,395,850	1,421,008	1,460,404	1,504,758
By classification of the functions of government (COFOG)								
General public services	147,170	161,351	167,140	177,340	198,766	213,641	223,104	239,467
Defence	99,352	105,221	113,089	126,171	126,580	129,696	141,349	152,371
Public order and safety	113,525	118,631	128,575	129,871	136,717	134,067	135,121	140,332
Economic affairs	163,202	175,233	191,213	191,408	197,345	203,698	198,618	203,359
Environmental protection	8,978	13,828	17,694	18,404	19,823	19,181	20,803	22,842
Housing and community amenities	30,713	37,327	33,826	39,433	45,494	50,542	45,935	45,392
Health	163,734	190,236	214,218	215,684	244,347	246,821	263,843	268,226
Recreation, culture and religion	29,103	27,842	28,290	27,040	29,850	28,990	29,788	29,984
Education	275,163	305,284	342,370	355,097	375,383	375,822	385,397	386,038
Social protection	14,881	19,777	20,524	22,802	24,014	21,697	19,829	21,669
General government final consumption expenditure	1,044,145	1,152,698	1,255,682	1,302,438	1,395,849	1,421,007	1,460,403	1,504,757
By type of services								
Collective consumption expenditure	598,883	643,223	693,937	731,766	778,452	808,265	824,087	867,287
Individual consumption expenditure	445,742	508,298	559,721	570,027	615,863	613,776	636,238	640,866
General government final consumption expenditure	1,044,145	1,152,698	1,255,682	1,302,438	1,395,849	1,421,007	1,460,403	1,504,757

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)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
By type of expenditure								
Compensation of employees	125.1	132.3	138.9	143.9	150.7	151.7	155.9	157.5
Consumption of fixed capital	118.7	123.0	127.7	133.3	143.2	147.7	146.5	147.4
Purchases from enterprises and abroad	153.2	188.2	209.5	223.2	241.6	265.8	279.2	313.0
Less: Purchases by households and enterprises	149.4	294.9	294.1	309.9	304.3	388.0	384.2	463.6
Social transfers in kind - purchased market production	315.0	454.6	569.3	559.9	631.5	605.4	600.6	595.9
General government final consumption expenditure	137.4	151.7	165.2	171.4	183.7	187.0	192.2	198.0
By classification of the functions of government (COFOG)								
General public services	131.0	143.7	148.8	157.9	177.0	190.2	198.6	213.2
Defence	106.2	112.4	120.8	134.8	135.3	138.6	151.0	162.8
Public order and safety	155.1	162.0	175.6	177.4	186.8	183.1	184.6	191.7
Economic affairs	136.1	146.2	159.5	159.6	164.6	169.9	165.7	169.6
Environmental protection	165.5	254.8	326.1	339.2	365.3	353.5	383.4	421.0
Housing and community amenities	152.3	185.1	167.8	195.6	225.6	250.7	227.8	225.1
Health	170.7	198.3	223.3	224.8	254.7	257.3	275.0	279.6
Recreation, culture and religion	177.9	170.2	173.0	165.3	182.5	177.2	182.1	183.3
Education	126.7	140.6	157.7	163.6	172.9	173.1	177.5	177.8
Social protection	248.4	330.1	342.6	380.6	400.8	362.2	331.0	361.7
General government final consumption expenditure	137.4	151.7	165.2	171.4	183.7	187.0	192.2	198.0
By type of services								
Collective consumption expenditure	137.1	147.3	158.9	167.5	178.2	185.0	188.7	198.5
Individual consumption expenditure	137.9	157.3	173.2	176.4	190.6	189.9	196.9	198.3
General government final consumption expenditure	137.4	151.7	165.2	171.4	183.7	187.0	192.2	198.0

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

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
By type of expenditure								
Compensation of employees	1.8	5.8	5.0	3.6	4.7	0.7	2.8	1.0
Consumption of fixed capital	4.4	3.6	3.9	4.4	7.4	3.1	-0.8	0.7
Purchases from enterprises and abroad	6.2	22.9	11.3	6.5	8.2	10.0	5.0	12.1
Less: Purchases by households and enterprises	-1.4	97.4	-0.3	5.4	-1.8	27.5	-1.0	20.7
Social transfers in kind - purchased market production	24.1	44.3	25.2	-1.6	12.8	-4.1	-0.8	-0.8
General government final consumption expenditure	4.9	10.4	8.9	3.7	7.2	1.8	2.8	3.0
By classification of the functions of government (COFOG)								
General public services	6.6	9.6	3.6	6.1	12.1	7.5	4.4	7.3
Defence	3.5	5.9	7.5	11.6	0.3	2.5	9.0	7.8
Public order and safety	3.7	4.5	8.4	1.0	5.3	-1.9	0.8	3.9
Economic affairs	10.3	7.4	9.1	0.1	3.1	3.2	-2.5	2.4
Environmental protection	-0.1	54.0	28.0	4.0	7.7	-3.2	8.5	9.8
Housing and community amenities	18.1	21.5	-9.4	16.6	15.4	11.1	-9.1	-1.2
Health	5.6	16.2	12.6	0.7	13.3	1.0	6.9	1.7
Recreation, culture and religion	4.9	-4.3	1.6	-4.4	10.4	-2.9	2.8	0.7
Education	0.8	10.9	12.1	3.7	5.7	0.1	2.5	0.2
Social protection	7.8	32.9	3.8	11.1	5.3	-9.6	-8.6	9.3
General government final consumption expenditure	4.9	10.4	8.9	3.7	7.2	1.8	2.8	3.0
By type of services								
Collective consumption expenditure	5.1	7.4	7.9	5.5	6.4	3.8	2.0	5.2
Individual consumption expenditure	4.7	14.0	10.1	1.8	8.0	-0.3	3.7	0.7
General government final consumption expenditure	4.9	10.4	8.9	3.7	7.2	1.8	2.8	3.0

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

(Millions of Baht)

	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Construction	826,930	801,107	896,772	916,456	1,036,338	1,052,167	1,038,465	1,158,912
<i>Private</i>	391,871	349,155	409,351	469,477	523,806	555,072	543,891	529,357
<i>Public</i>	435,059	451,952	487,421	446,979	512,532	497,095	494,574	629,555
Equipment	1,740,332	1,430,910	1,696,395	2,004,837	2,299,359	2,226,159	2,222,506	2,214,411
<i>Private</i>	1,536,333	1,233,220	1,522,802	1,807,446	2,083,755	1,986,164	2,029,493	1,978,197
<i>Public</i>	203,999	197,690	173,593	197,391	215,604	239,995	193,013	236,214
Gross fixed capital formation	2,567,262	2,232,017	2,593,167	2,921,293	3,335,697	3,278,326	3,260,971	3,373,323
<i>Private</i>	1,928,204	1,582,374	1,932,152	2,276,923	2,607,561	2,541,236	2,573,384	2,507,554
<i>Public</i>	639,058	649,643	661,015	644,370	728,136	737,090	687,587	865,769
Change in inventories	172,659	-238,816	147,418	107,991	127,344	267,804	-98,217	-331,428
Gross capital formation	2,739,921	1,993,202	2,740,586	3,029,284	3,463,041	3,546,130	3,162,754	3,041,895

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

(Millions of Baht)

	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Construction	590,769	615,613	674,138	642,821	691,834	691,867	677,748	783,829
<i>Private</i>	294,587	273,030	311,650	332,572	358,418	372,965	360,653	361,713
<i>Public</i>	296,990	340,305	360,463	309,332	332,440	318,683	316,665	419,712
Equipment	1,432,599	1,174,241	1,324,199	1,455,284	1,632,021	1,608,039	1,570,471	1,557,146
<i>Private</i>	1,269,930	1,015,776	1,192,821	1,314,883	1,483,403	1,440,338	1,438,325	1,396,303
<i>Public</i>	162,884	157,786	132,078	141,285	149,752	168,301	133,776	161,802
Gross fixed capital formation	2,014,697	1,795,686	2,003,971	2,101,552	2,326,977	2,303,441	2,251,812	2,351,030
<i>Private</i>	1,561,016	1,288,882	1,504,188	1,646,895	1,840,836	1,813,138	1,798,084	1,757,772
<i>Public</i>	458,287	499,211	495,033	452,317	484,060	487,714	453,055	585,743
Change in inventories	138,571	-183,422	107,396	68,204	81,946	174,693	-63,572	-67,542
Gross capital formation	2,157,168	1,621,575	2,140,248	2,196,846	2,439,871	2,517,647	2,206,155	2,302,100

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)

	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Construction	124.6	129.8	142.1	135.5	145.9	145.9	142.9	165.3
<i>Private</i>	148.2	137.4	156.8	167.3	180.3	187.6	181.4	182.0
<i>Public</i>	107.8	123.5	130.8	112.3	120.7	115.7	114.9	152.3
Equipment	181.4	148.6	167.6	184.2	206.6	203.6	198.8	197.1
<i>Private</i>	188.1	150.4	176.7	194.7	219.7	213.3	213.0	206.8
<i>Public</i>	142.0	137.5	115.1	123.1	130.5	146.7	116.6	141.0
Gross fixed capital formation	159.4	142.0	158.5	166.2	184.1	182.2	178.1	186.0
<i>Private</i>	178.6	147.5	172.1	188.4	210.6	207.5	205.7	201.1
<i>Public</i>	117.4	127.9	126.9	115.9	124.0	125.0	116.1	150.1
Change in inventories								
Gross capital formation	164.4	123.6	163.1	167.4	185.9	191.9	168.1	175.4

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

	2008	2009	2010	2011	2012r	2013r	2014r	2015p
	Percent							
Construction	-6.3	4.2	9.5	-4.6	7.6	0.0	-2.0	15.7
<i>Private</i>	2.2	-7.3	14.1	6.7	7.8	4.1	-3.3	0.3
<i>Public</i>	-13.0	14.6	5.9	-14.2	7.5	-4.1	-0.6	32.5
Equipment	6.8	-18.0	12.8	9.9	12.1	-1.5	-2.3	-0.8
<i>Private</i>	7.4	-20.0	17.4	10.2	12.8	-2.9	-0.1	-2.9
<i>Public</i>	2.9	-3.1	-16.3	7.0	6.0	12.4	-20.5	20.9
Gross fixed capital formation	2.3	-10.9	11.6	4.9	10.7	-1.0	-2.2	4.4
<i>Private</i>	6.3	-17.4	16.7	9.5	11.8	-1.5	-0.8	-2.2
<i>Public</i>	-8.3	8.9	-0.8	-8.6	7.0	0.8	-7.1	29.3
Change in inventories								
Gross capital formation	9.2	-24.8	32.0	2.6	11.1	3.2	-12.4	4.3

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

	(Millions of Baht)							
	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Construction	826,930	801,107	896,772	916,456	1,036,338	1,052,167	1,038,465	1,158,912
Private	391,871	349,155	409,351	469,477	523,806	555,072	543,891	529,357
<i>Dwellings</i>	235,766	199,226	223,833	251,738	283,386	306,479	306,604	295,710
<i>Non-dwelling construction</i>	114,781	109,595	129,296	149,953	169,580	173,431	161,304	158,754
<i>Other construction</i>	28,294	30,138	44,081	54,426	56,096	56,850	58,478	57,532
<i>Costs of ownership transfer</i>	13,030	10,196	12,141	13,360	14,744	18,312	17,505	17,361
Public	435,059	451,952	487,421	446,979	512,532	497,095	494,574	629,555
<i>Dwellings</i>	49,660	30,665	44,023	43,443	40,705	22,784	22,108	18,863
<i>Non-dwelling construction</i>	65,299	66,067	77,640	75,250	90,723	104,906	100,818	149,717
<i>Other construction</i>	320,100	355,220	365,758	328,286	381,104	369,405	371,648	460,975
Machinery and other equipment	1,740,332	1,430,910	1,696,395	2,004,837	2,299,359	2,226,159	2,222,506	2,214,411
Transport equipment	571,237	466,343	636,991	874,872	1,045,955	1,037,788	919,409	883,537
<i>Road motor equipment</i>	475,691	389,117	550,099	639,317	829,384	808,844	771,637	755,286
<i>Other vehicles</i>	95,546	77,226	86,892	235,555	216,571	228,944	147,772	128,251
Machinery and equipment	1,169,095	964,567	1,059,404	1,129,965	1,253,404	1,188,371	1,303,097	1,330,874
<i>Industrial machinery</i>	707,714	574,638	636,389	668,910	782,207	719,089	739,537	708,883
<i>Office equipment</i>	461,381	389,929	423,015	461,055	471,197	469,282	563,560	621,991
Gross fixed capital formation	2,567,262	2,232,017	2,593,167	2,921,293	3,335,697	3,278,326	3,260,971	3,373,323

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

	(Millions of Baht)							
	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Construction	590,769	615,613	674,138	642,821	691,833	691,866	677,747	783,827
Private	294,586	273,030	311,650	332,572	358,419	372,966	360,654	361,714
<i>Dwellings</i>	177,615	156,774	170,687	176,206	192,740	203,295	200,327	198,656
<i>Non-dwelling construction</i>	87,859	84,314	97,302	106,949	114,905	116,299	106,615	108,127
<i>Other construction</i>	18,680	22,409	32,271	37,177	37,718	38,061	39,022	40,091
<i>Costs of ownership transfer</i>	10,599	8,950	10,320	10,934	11,685	14,201	13,547	13,753
Public	296,990	340,305	360,463	309,332	332,439	318,682	316,663	419,709
<i>Dwellings</i>	37,411	24,131	33,571	30,410	27,189	15,175	14,685	12,455
<i>Non-dwelling construction</i>	49,983	50,828	58,430	52,952	60,617	69,171	65,448	96,234
<i>Other construction</i>	211,335	264,138	267,779	225,524	244,139	233,873	235,920	310,110
Machinery and other equipment	1,432,599	1,174,241	1,324,199	1,455,284	1,632,023	1,608,042	1,570,474	1,557,150
Transport equipment	471,138	401,479	536,801	687,992	789,617	791,503	712,180	683,769
<i>Road motor equipment</i>	368,903	327,323	450,703	504,408	638,125	639,905	587,252	569,072
<i>Other vehicles</i>	104,372	70,678	80,300	185,523	153,821	153,953	128,768	117,624
Machinery and equipment	954,253	767,011	787,330	778,798	857,542	832,717	869,153	881,039
<i>Industrial machinery</i>	579,433	458,301	462,616	457,648	531,056	505,356	479,770	469,176
<i>Office equipment</i>	374,061	308,027	323,938	320,380	325,213	326,296	387,765	411,263
Gross fixed capital formation	2,014,697	1,795,686	2,003,971	2,101,552	2,326,977	2,303,442	2,251,813	2,351,031

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)

	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Construction	124.6	129.8	142.1	135.5	145.9	145.9	142.9	165.3
Private	148.2	137.4	156.8	167.3	180.3	187.6	181.4	182.0
<i>Dwellings</i>	170.7	150.7	164.0	169.3	185.2	195.4	192.5	190.9
<i>Non-dwelling construction</i>	136.8	131.3	151.6	166.6	179.0	181.1	166.1	168.4
<i>Other construction</i>	82.2	98.6	142.0	163.5	165.9	167.4	171.7	176.4
<i>Costs of ownership transfer</i>	136.5	115.2	132.9	140.8	150.5	182.9	174.4	177.1
Public	107.8	123.5	130.8	112.3	120.7	115.7	114.9	152.3
<i>Dwellings</i>	463.0	298.7	415.5	376.4	336.5	187.8	181.7	154.2
<i>Non-dwelling construction</i>	136.0	138.3	159.0	144.1	165.0	188.2	178.1	261.9
<i>Other construction</i>	91.6	114.5	116.1	97.8	105.8	101.4	102.3	134.4
Machinery and other equipment	181.4	148.6	167.6	184.2	206.6	203.6	198.8	197.1
Transport equipment	208.1	177.3	237.1	303.9	348.8	349.6	314.6	302.0
<i>Road motor equipment</i>	207.9	184.5	254.0	284.3	359.6	360.6	331.0	320.7
<i>Other vehicles</i>	213.2	144.3	164.0	378.9	314.2	314.4	263.0	240.2
Machinery and equipment	169.3	136.1	139.7	138.2	152.2	147.8	154.2	156.3
<i>Industrial machinery</i>	178.8	141.4	142.8	141.2	163.9	155.9	148.0	144.8
<i>Office equipment</i>	156.2	128.6	135.3	133.8	135.8	136.3	161.9	171.7
Gross fixed capital formation	159.4	142.0	158.5	166.2	184.1	182.2	178.1	186.0

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

	2008	2009	2010	2011	2012r	2013r	2014r	2015p
	Percent							
Construction	-6.3	4.2	9.5	-4.6	7.6	0.0	-2.0	15.7
Private	2.2	-7.3	14.1	6.7	7.8	4.1	-3.3	0.3
<i>Dwellings</i>	2.2	-11.7	8.9	3.2	9.4	5.5	-1.5	-0.8
<i>Non-dwelling construction</i>	9.8	-4.0	15.4	9.9	7.4	1.2	-8.3	1.4
<i>Other construction</i>	-3.1	20.0	44.0	15.2	1.5	0.9	2.5	2.7
<i>Costs of ownership transfer</i>	-31.5	-15.6	15.3	5.9	6.9	21.5	-4.6	1.5
Public	-13.0	14.6	5.9	-14.2	7.5	-4.1	-0.6	32.5
<i>Dwellings</i>	-19.2	-35.5	39.1	-9.4	-10.6	-44.2	-3.2	-15.2
<i>Non-dwelling construction</i>	9.2	1.7	15.0	-9.4	14.5	14.1	-5.4	47.0
<i>Other construction</i>	-15.6	25.0	1.4	-15.8	8.3	-4.2	0.9	31.4
Machinery and other equipment	6.8	-18.0	12.8	9.9	12.1	-1.5	-2.3	-0.8
Transport equipment	11.1	-14.8	33.7	28.2	14.8	0.2	-10.0	-4.0
<i>Road motor equipment</i>	9.1	-11.3	37.7	11.9	26.5	0.3	-8.2	-3.1
<i>Other vehicles</i>	20.5	-32.3	13.6	131.0	-17.1	0.1	-16.4	-8.7
Machinery and equipment	4.8	-19.6	2.6	-1.1	10.1	-2.9	4.4	1.4
<i>Industrial machinery</i>	5.9	-20.9	0.9	-1.1	16.0	-4.8	-5.1	-2.2
<i>Office equipment</i>	3.3	-17.7	5.2	-1.1	1.5	0.3	18.8	6.1
Gross fixed capital formation	2.3	-10.9	11.6	4.9	10.7	-1.0	-2.2	4.4

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

	(Millions of Baht)							
	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Tangible fixed assets	2,523,280	2,187,386	2,532,035	2,850,791	3,252,695	3,182,925	3,160,969	3,274,021
<i>Dwellings</i>	285,426	229,891	267,856	295,181	324,091	329,263	328,712	314,573
<i>Other buildings and structures</i>	522,332	555,478	596,967	579,227	663,573	668,291	655,062	799,314
<i>Machinery and equipment</i>	1,711,306	1,398,724	1,664,109	1,973,897	2,262,102	2,180,542	2,172,731	2,155,583
<i>Cultivated assets</i>	4,216	3,293	3,103	2,486	2,929	4,829	4,465	4,550
Intangible fixed assets	30,952	34,435	48,992	57,142	68,258	77,089	82,497	81,941
<i>Mineral exploration</i>	4,963	4,838	18,187	27,724	32,875	35,151	35,985	32,462
<i>Computer software</i>	25,989	29,597	30,805	29,418	35,383	41,938	46,512	49,480
Costs of ownership transfer	13,030	10,196	12,140	13,360	14,744	18,312	17,505	20,571
Gross fixed capital formation	2,567,262	2,232,017	2,593,167	2,921,293	3,335,697	3,278,326	3,260,971	3,376,533

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

	(Millions of Baht)							
	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Tangible fixed assets	1,979,233	1,759,142	1,955,311	2,047,632	2,265,181	2,232,179	2,175,296	2,273,951
<i>Dwellings</i>	215,026	180,903	204,255	206,614	219,928	218,253	214,799	210,936
<i>Other buildings and structures</i>	361,114	418,123	441,339	401,771	432,953	463,032	455,846	608,848
<i>Machinery and equipment</i>	1,408,547	1,147,891	1,298,575	1,431,950	1,602,684	1,532,241	1,485,194	1,436,461
<i>Cultivated assets</i>	3,602	2,687	2,520	1,757	4,267	16,513	21,386	24,714
Intangible fixed assets	25,061	27,924	38,798	43,546	50,830	58,632	65,079	65,126
<i>Mineral exploration</i>	4,044	4,102	15,232	22,318	26,044	28,365	28,683	26,364
<i>Computer software</i>	21,060	23,868	24,096	22,168	25,883	31,404	37,455	39,846
Costs of ownership transfer	10,599	8,951	10,321	10,936	11,687	14,203	13,550	13,755
Gross fixed capital formation	2,014,697	1,795,686	2,003,971	2,101,552	2,326,977	2,303,442	2,251,813	2,351,031

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)**

	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Tangible fixed assets	158.6	140.9	156.7	164.1	181.5	178.8	174.3	182.2
<i>Dwellings</i>	191.7	161.3	182.1	184.2	196.1	194.6	191.5	188.1
<i>Other buildings and structures</i>	103.0	119.2	125.8	114.5	123.4	132.0	130.0	173.6
<i>Machinery and equipment</i>	180.8	147.4	166.7	183.8	205.8	196.7	190.7	184.4
<i>Cultivated assets</i>	57.2	42.7	40.0	27.9	67.8	262.3	339.7	392.5
Intangible fixed assets	299.8	334.1	464.1	521.0	608.1	701.4	778.5	779.1
<i>Mineral exploration</i>	486.1	493.0	1,830.8	2,682.5	3,130.3	3,409.2	3,447.5	3,168.8
<i>Computer software</i>	279.8	317.1	320.1	294.5	343.9	417.2	497.6	529.4
Costs of ownership transfer	136.5	115.3	132.9	140.8	150.5	182.9	174.5	177.1
Gross fixed capital formation	159.4	142.0	158.5	166.2	184.1	182.2	178.1	186.0

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

	Percent							
	2008	2009	2010	2011	2012r	2013r	2014r	2015p
Tangible fixed assets	2.5	-11.1	11.2	4.7	10.6	-1.5	-2.5	4.5
<i>Dwellings</i>	-2.3	-15.9	12.9	1.2	6.4	-0.8	-1.6	-1.8
<i>Other buildings and structures</i>	-8.2	15.8	5.6	-9.0	7.8	6.9	-1.6	33.6
<i>Machinery and equipment</i>	7.1	-18.5	13.1	10.3	11.9	-4.4	-3.1	-3.3
<i>Cultivated assets</i>	-20.5	-25.4	-6.2	-30.3	142.9	286.9	29.5	15.6
Intangible fixed assets	11.7	11.4	38.9	12.2	16.7	15.3	11.0	0.1
<i>Mineral exploration</i>	332.1	1.4	271.3	46.5	16.7	8.9	1.1	-8.1
<i>Computer software</i>	-1.7	13.3	1.0	-8.0	16.8	21.3	19.3	6.4
Costs of ownership transfer	-31.5	-15.5	15.3	6.0	6.9	21.5	-4.6	1.5
Gross fixed capital formation	2.3	-10.9	11.6	4.9	10.7	-1.0	-2.2	4.4

National income

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

	(Millions of Baht)							
	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Compensation of employees	2,915,696	3,026,432	3,231,751	3,430,944	3,812,499	4,037,743	4,278,891	4,511,999
Wages and salaries	2,573,068	2,682,329	2,860,934	3,033,299	3,393,830	3,596,161	3,796,048	3,985,216
Employers' social contributions	342,628	344,103	370,817	397,645	418,669	441,582	482,843	526,783
<i>Employers' actual social contributions</i>	119,149	99,526	112,828	120,355	118,036	136,318	158,325	162,767
<i>Employers' imputed social contributions</i>	223,479	244,577	257,989	277,290	300,633	305,264	324,518	364,016
Households mixed income and operating surplus	2,613,093	2,412,855	2,696,162	2,896,273	2,932,611	2,786,526	2,797,412	2,715,849
Households property income receivable	521,400	531,226	616,704	645,895	795,789	899,090	938,855	972,820
Interest	159,750	122,981	127,190	166,888	210,503	218,062	207,224	182,903
Distributed income of corporations	205,704	239,000	310,151	295,939	376,825	456,116	493,665	547,971
Investment income disbursements	90,959	101,469	107,655	109,496	126,718	139,943	155,102	161,808
Rent	64,986	67,775	71,709	73,573	81,743	84,969	82,863	80,138
General government property income receivable	107,541	125,626	136,823	165,526	178,784	199,983	214,568	230,678
Interest	24,135	28,837	29,649	31,692	39,719	49,552	48,098	51,163
Distributed income of corporations	55,108	65,875	71,524	90,254	86,628	104,330	119,434	129,853
Investment income disbursements	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Rent	9,002	10,079	11,693	15,320	20,305	11,364	9,303	9,695
Appropriated corporation profit	1,204,493	1,171,775	1,353,383	1,485,368	1,339,501	1,299,875	1,383,915	1,441,995
Savings of corporations	788,215	833,374	954,718	1,082,153	966,300	805,767	893,006	913,957
Corporate current taxes on income	524,741	472,666	525,261	652,921	660,416	704,087	662,078	653,868
Corporate transfer payments	-108,463	-134,265	-126,596	-249,706	-287,215	-209,980	-171,169	-125,830
<i>Received by general government</i>	3,658	3,795	7,146	13,720	17,116	14,433	17,331	32,252
<i>Received by households and NPISHs</i>	12,850	13,862	17,736	18,377	21,738	24,197	21,660	25,628
<i>Received by Row (net)</i>	-124,972	-151,922	-151,478	-281,803	-326,069	-248,610	-210,160	-183,710
Households property income payable	206,771	210,404	232,510	275,888	331,666	375,242	391,060	404,086
Interest	122,489	121,794	136,844	174,055	217,791	255,536	270,464	283,981
Investment income disbursements	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Rent	64,986	67,775	71,709	73,573	81,743	84,969	82,863	80,138
General government property income payable	132,356	134,658	149,192	159,585	179,026	176,709	192,939	197,459
Interest	113,059	113,821	125,231	131,321	146,890	141,968	155,202	157,489
Investment income disbursements	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Rent	1	2	4	4	4	4	4	3
Net national product at factor cost, (NNP)	7,023,095	6,922,851	7,653,122	8,188,532	8,548,492	8,671,265	9,029,642	9,271,795
Plus: Taxes on production and imports less subsidies	866,728	910,611	1,111,475	1,107,138	1,284,555	1,339,877	1,273,116	1,409,411
Net national income, (NNI)	7,889,823	7,833,462	8,764,597	9,295,670	9,833,047	10,011,142	10,302,758	10,681,206

Table 51 Savings and gross capital formation

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Private sector	1,928,204	1,582,374	1,932,152	2,276,923	2,607,561	2,541,236	2,573,384	2,507,554
Public sector	639,058	649,643	661,015	644,370	728,136	737,090	687,587	865,769
Change in inventories	172,659	-238,816	147,418	107,991	127,344	267,804	-98,217	-331,428
Gross domestic capital formation	2,739,921	1,993,202	2,740,586	3,029,284	3,463,041	3,546,130	3,162,754	3,041,895
Net savings	1,438,878	1,340,313	1,610,622	1,817,762	1,655,242	1,471,358	1,401,794	1,519,041
Private sector	1,102,574	1,228,719	1,354,898	1,586,969	1,437,510	1,291,239	1,464,057	1,429,472
Households	500,590	579,077	588,366	622,527	621,663	600,873	667,434	660,260
Corporations and cooperatives	601,984	649,642	766,532	964,442	815,847	690,366	796,623	769,212
Public sector	336,304	111,594	255,724	230,793	217,732	180,119	-62,263	89,569
General government	150,073	-72,138	67,538	113,082	67,279	64,718	-158,646	-55,176
Public corporations and government enterprises	186,231	183,732	188,186	117,711	150,453	115,401	96,383	144,745
Provision for consumption of fixed capital	1,463,103	1,486,739	1,590,776	1,738,526	1,958,158	2,084,525	2,214,196	2,282,671
Statistical discrepancy	-135,538	-68,574	-102,143	-234,214	-199,540	-143,894	40,278	344,533
Gross savings	2,766,443	2,758,478	3,099,255	3,322,074	3,413,861	3,411,988	3,656,269	4,146,245
Less : Surplus of the nation on current account	26,522	765,276	358,669	292,790	-49,180	-134,142	493,515	1,104,350
Finance of gross domestic capital formation	2,739,921	1,993,202	2,740,586	3,029,284	3,463,041	3,546,130	3,162,754	3,041,895

Table 52 General government income account

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Income								
Primary income receivable	1,207,414	1,275,997	1,511,467	1,595,731	1,795,800	1,888,681	1,858,903	1,968,458
Gross operation surplus	178,015	183,615	193,277	209,493	232,355	245,156	249,348	259,716
Taxes on production and imports	921,858	966,756	1,181,367	1,220,712	1,384,661	1,443,542	1,394,987	1,478,064
Property income	107,541	125,626	136,823	165,526	178,784	199,983	214,568	230,678
Interest	24,135	28,837	29,649	31,692	39,719	49,552	48,098	51,163
Dividend	55,108	65,875	71,524	90,254	86,628	104,330	119,434	129,853
Investment income payable on pension entitlements	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Rent	9,002	10,079	11,693	15,320	20,305	11,364	9,303	9,695
Secondary income receivable	1,335,670	1,407,880	1,705,229	1,836,149	2,133,294	2,115,688	1,956,847	2,044,352
Current taxes on income, wealth, etc.	721,061	662,185	727,713	886,235	925,098	988,890	915,578	944,049
Taxes on income	703,347	639,928	701,328	857,903	892,434	959,843	881,447	906,322
Other current taxes	17,714	22,257	26,385	28,332	32,664	29,047	34,131	37,727
Social contributions	275,843	286,292	317,727	340,494	356,245	378,522	426,982	461,676
Other current transfers	338,766	459,403	659,789	609,420	851,951	748,276	614,287	638,627
Non-life insurance claims	1	3	2	8	21	3	1	2
Current transfers within general government	323,847	441,100	589,381	580,745	814,877	712,042	576,166	590,104
Current international cooperation	2,461	2,737	2,818	3,592	5,214	3,120	3,497	1,956
Miscellaneous current transfers	12,457	15,563	67,588	25,075	31,839	33,111	34,623	46,565
Total income receivable	2,543,084	2,683,877	3,216,696	3,431,880	3,929,094	4,004,369	3,815,750	4,012,810
Use of income								
Primary income uses	187,486	190,803	219,084	273,159	279,132	280,374	314,810	266,112
Property income	132,356	134,658	149,192	159,585	179,026	176,709	192,939	197,459
Interest	113,059	113,821	125,231	131,321	146,890	141,968	155,202	157,489
Investment income payable on pension entitlements	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Rent	1	2	4	4	4	4	4	3
Subsidies	55,130	56,145	69,892	113,574	100,106	103,665	121,871	68,653
Secondary income uses	558,462	762,655	943,137	916,137	1,222,164	1,166,145	1,036,467	1,040,992
Social benefits other than social transfers in kind	195,478	256,223	293,530	275,045	326,151	330,096	346,137	376,686
Social security benefits in cash	16,448	21,534	20,860	22,352	26,986	29,400	30,164	30,675
Other social insurance benefits	158,037	177,665	186,434	197,138	215,128	207,476	226,664	253,463
Social assistance benefits in cash	20,993	57,024	86,236	55,555	84,037	93,220	89,309	92,548
Other current transfers	362,984	506,432	649,607	641,092	896,013	836,049	690,330	664,306
Net non-life insurance premiums	2	223	576	540	480	401	460	193
Current transfers within general government	323,847	441,100	589,381	580,745	814,877	712,042	576,166	590,104
Current international cooperation	1,335	1,467	1,631	1,553	1,334	1,375	1,827	1,437
Miscellaneous current transfers	37,800	63,642	58,019	58,254	79,322	122,231	111,877	72,572
Total income payable	745,948	953,458	1,162,221	1,189,296	1,501,296	1,446,519	1,351,277	1,307,104
Gross disposable income	1,797,136	1,730,419	2,054,475	2,242,584	2,427,798	2,557,850	2,464,473	2,705,706
Final consumption expenditure	1,392,166	1,543,462	1,707,777	1,825,136	2,020,794	2,118,916	2,242,933	2,366,136
Adjustment for the change in pension entitlement	76,882	75,480	85,883	94,873	107,370	129,060	130,838	135,030
Net saving	150,073	-72,138	67,538	113,082	67,279	64,718	-158,646	-55,176
Consumption of fixed capital	178,015	183,615	193,277	209,493	232,355	245,156	249,348	259,716
Total use of gross income	2,543,084	2,683,877	3,216,696	3,431,880	3,929,094	4,004,369	3,815,750	4,012,810

Note : - is zero or rounded to zero

n.a. is not available

Table 53 Households and NPISHs income account

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Income								
Primary income receivable	6,050,188	5,970,512	6,544,617	6,973,113	7,540,899	7,723,359	8,015,158	8,200,668
<i>Compensation of employees</i>	2,915,696	3,026,432	3,231,751	3,430,944	3,812,499	4,037,743	4,278,891	4,511,999
<i>Mixed income</i>	2,613,093	2,412,855	2,696,162	2,896,273	2,932,611	2,786,526	2,797,412	2,715,849
<i>Property income receivable</i>	521,400	531,226	616,704	645,895	795,789	899,090	938,855	972,820
Secondary income receivable	303,965	421,963	463,477	455,138	539,509	612,239	620,615	602,681
Social benefits other than social transfers in kind1/	195,478	256,223	293,530	275,045	326,151	330,096	346,137	376,686
Other current transfer	108,487	165,740	169,947	180,093	213,358	282,143	274,478	225,995
<i>from corporate</i>	12,850	13,862	17,736	18,377	21,738	24,197	21,660	25,628
<i>from general government</i>	32,510	56,690	52,356	54,093	74,899	112,035	102,896	68,131
<i>from the rest of the world</i>	63,127	95,189	99,855	107,623	116,721	145,911	149,921	132,235
Total income receivable	6,354,154	6,392,476	7,008,094	7,428,250	8,080,408	8,335,598	8,635,773	8,803,348
Use of income								
Primary income payable	206,771	210,404	232,510	275,888	331,666	375,242	391,060	404,086
Property income payable	206,771	210,404	232,510	275,888	331,666	375,242	391,060	404,086
Secondary income payable	516,931	553,034	633,890	636,464	690,387	741,668	766,531	849,147
Current taxes on income, wealth, etc.	196,320	189,519	202,452	233,314	264,682	284,803	253,500	290,181
Net social security contribution1/	275,843	286,292	317,727	340,494	356,245	378,522	426,982	461,676
Other current transfer	44,768	77,223	113,711	62,656	69,460	78,343	86,049	97,290
<i>to general government</i>	3,508	4,596	54,205	6,662	9,841	8,084	7,852	9,681
<i>to the rest of the world</i>	41,260	72,627	59,506	55,994	59,619	70,259	78,197	87,609
Total income payable	723,702	763,438	866,400	912,352	1,022,053	1,116,910	1,157,591	1,253,233
Disposable income	5,630,452	5,629,039	6,141,694	6,515,897	7,058,355	7,218,689	7,478,181	7,550,115
Final consumption expenditure	5,206,744	5,125,442	5,639,212	5,988,244	6,544,061	6,746,876	6,941,585	7,024,885
Adjustment for the change in pension entitlement1/	76,882	75,480	85,883	94,873	107,370	129,060	130,838	135,030
Saving	500,590	579,076	588,365	622,527	621,663	600,873	667,434	660,260
Total use of disposable income	5,630,452	5,629,038	6,141,694	6,515,898	7,058,354	7,218,689	7,478,181	7,550,115
Per capita disposable income (Baht)	86,399	85,883	93,167	98,407	106,153	108,137	111,610	112,293
Per capita final consumption expenditure (Baht)	79,897	78,200	85,545	90,438	98,419	101,069	103,601	104,481
Per capita saving (Baht)	7,682	8,835	8,925	9,402	9,349	9,001	9,961	9,820
Population (1,000 Heads)	65,168	65,543	65,921	66,214	66,492	66,755	67,003	67,236

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

Table 54 Compensation of employees

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Domestic	2,930,695	3,030,554	3,227,942	3,411,393	3,783,696	4,012,087	4,256,294	4,491,564
Agriculture	132,466	148,918	146,300	186,587	212,101	214,782	202,616	185,517
Agriculture, forestry and fishing	132,466	148,918	146,300	186,587	212,101	214,782	202,616	185,517
Non-Agriculture	2,798,229	2,881,636	3,081,642	3,224,806	3,571,595	3,797,305	4,053,678	4,306,047
Mining and quarrying	18,585	18,953	19,293	21,053	25,513	30,217	31,202	29,534
Manufacturing	867,274	847,857	887,526	878,969	985,451	1,039,514	1,117,262	1,186,571
Electricity, gas, steam and air conditioning supply	77,561	75,086	79,181	79,293	81,010	83,840	84,478	96,251
Water supply; sewerage, waste management and remediation activities	6,841	6,910	7,452	7,500	8,539	9,331	9,859	10,922
Construction	147,087	154,687	174,245	169,237	185,182	195,429	192,039	202,829
Wholesale and retail trade; repair of motor vehicles and motorcycles	242,409	264,576	282,739	299,435	335,914	367,318	404,080	427,007
Transportation and storage	115,825	108,558	124,141	127,156	137,314	145,962	151,263	161,161
Accommodation and food service activities	56,211	63,624	70,874	81,333	90,105	102,342	112,967	130,066
Information and communication	50,453	51,596	50,989	59,040	64,430	69,187	67,702	73,319
Financial and insurance activities	174,512	185,012	201,590	225,224	249,767	267,702	287,724	304,685
Real estate activities	34,727	35,377	38,533	40,476	43,785	46,368	48,984	53,077
Professional, scientific and technical activities	48,290	49,075	54,845	59,057	67,219	69,200	76,287	81,136
Administrative and support service activities	47,315	46,025	47,804	53,429	56,409	55,311	56,484	62,440
Public administration and defence; compulsory social security	426,250	450,426	476,507	502,811	534,908	557,649	595,433	623,529
Education	329,894	347,339	374,581	414,416	470,517	495,039	526,628	552,683
Human health and social work activities	107,785	128,812	141,129	152,339	175,645	198,726	224,003	237,999
Arts, entertainment and recreation	5,402	5,599	6,272	6,874	8,511	9,833	10,168	11,275
Other service activities	25,134	24,754	26,035	26,661	28,753	31,040	32,341	33,754
Activities of households as employers	16,674	17,370	17,906	20,503	22,623	23,297	24,774	27,809
The rest of the world	-14,999	-4,122	3,809	19,551	28,803	25,656	22,597	20,435
Total	2,915,696	3,026,432	3,231,751	3,430,944	3,812,499	4,037,743	4,278,891	4,511,999

Table 55 Households and NPISHs mixed income receivable

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Farm income	671,806	619,192	740,760	824,338	871,557	893,192	815,465	738,645
Other	1,941,287	1,793,663	1,955,402	2,071,935	2,061,054	1,893,334	1,981,947	1,977,204
Total	2,613,093	2,412,855	2,696,162	2,896,273	2,932,611	2,786,526	2,797,412	2,715,849

Table 56 Households and NPISHs property income receivable

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Rent	64,986	67,775	71,709	73,573	81,743	84,969	82,863	80,138
Actual rent	12,301	14,359	15,193	14,834	16,312	16,808	16,238	15,700
Imputed rent	52,685	53,416	56,516	58,739	65,431	68,161	66,625	64,438
Interest	159,750	122,981	127,190	166,888	210,503	218,062	207,224	182,903
Interest paid by banks to households and NPISHs	127,978	88,667	92,800	132,577	169,918	186,395	177,618	159,882
Government bond interest	28,655	31,316	31,972	30,383	27,848	19,023	18,547	12,592
Others	6,581	5,086	4,529	6,925	17,156	17,769	16,174	15,273
Net interest received from ROW	-3,464	-2,088	-2,111	-2,997	-4,418	-5,125	-5,115	-4,844
Distributed income of corporations	205,704	239,000	310,151	295,939	376,825	456,116	493,665	547,971
Dividends from private corporations	168,885	197,099	262,893	244,032	319,130	393,692	429,016	478,065
Dividends from cooperatives	29,563	34,454	38,986	42,402	47,863	52,938	57,050	62,062
Dividends from public corporations	7,256	7,447	8,272	9,505	9,832	9,486	7,600	7,844
Investment income disbursements	90,959	101,469	107,655	109,496	126,718	139,943	155,102	161,808
Beneficiaries from provident fund	28,316	29,423	26,150	16,446	19,906	21,442	21,884	19,967
Beneficiaries from government pension fund	15,172	14,554	15,642	16,695	18,570	19,284	21,145	22,220
Investment income payable on pension entitlement1/	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Investment income attributable to insurances policy holder	28,175	36,657	41,906	48,095	56,110	64,481	74,340	79,654
Total	521,400	531,226	616,704	645,895	795,789	899,090	938,855	972,820

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

Table 57 Household and NPISHs property income payable

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Interest	122,489	121,794	136,844	174,055	217,791	255,536	270,464	283,981
Interest paid to banks	73,966	72,878	86,192	114,683	145,153	169,746	177,651	180,492
Pawnshop interest	3,858	4,332	4,981	5,986	7,008	6,814	6,218	6,128
Interest on loan from life insurance policy	669	585	645	698	847	945	1,043	1,137
Interest paid to cooperatives	41,806	41,942	42,819	50,239	62,084	74,747	81,833	92,179
Others	2,190	2,057	2,206	2,450	2,698	3,285	3,719	4,046
Investment income disbursements	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Investment income payable on pension entitlement1/	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Rent	64,986	67,775	71,709	73,573	81,743	84,969	82,863	80,138
Total	206,771	210,404	232,510	275,888	331,666	375,242	391,060	404,086

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

Table 58 Saving of corporations

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Saving of private corporation	597,972	644,441	760,809	957,489	808,474	681,762	790,155	759,933
Saving of public corporation and government enterprises	186,231	183,732	188,186	117,711	150,453	115,401	96,383	144,745
Saving of cooperatives	4,012	5,201	5,723	6,953	7,373	8,604	6,468	9,279
Total	788,215	833,374	954,718	1,082,153	966,300	805,767	893,006	913,957

Table 59 Corporate transfer payments received by household and NPISHs

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Transfer from private corporation	10,809	11,758	15,252	14,488	17,987	20,382	19,031	20,372
Transfer from public corporation and government enterprises	1,453	1,382	1,775	3,093	3,194	2,668	2,312	4,905
Transfer from cooperatives	588	721	709	796	558	1,147	317	351
Total	12,850	13,862	17,736	18,377	21,738	24,197	21,660	25,628

Table 60 Taxes

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Taxes								
Current taxes on income, wealth, etc.	721,061	662,185	727,713	886,235	925,098	988,890	915,578	944,049
Taxes on income	703,347	639,928	701,328	857,903	892,434	959,843	881,447	906,322
From corporation	514,232	459,145	509,426	635,842	641,226	687,298	642,468	632,293
From households	189,115	180,783	191,902	222,061	251,208	272,545	238,979	274,029
Other current taxes	17,714	22,257	26,385	28,332	32,664	29,047	34,131	37,727
From corporation	10,509	13,521	15,835	17,079	19,190	16,789	19,610	21,575
From households	7,205	8,736	10,550	11,253	13,474	12,258	14,521	16,152
Taxes on production and imports	921,858	966,756	1,181,367	1,220,712	1,384,661	1,443,542	1,394,987	1,478,064
Taxes on products	860,066	907,295	1,111,386	1,145,656	1,303,706	1,351,505	1,306,072	1,391,581
Value added type taxes (VAT)1/	347,009	326,559	391,643	450,545	507,039	522,724	531,117	556,442
Taxes and duties on imports excluding VAT	122,664	105,934	139,216	159,607	211,522	183,960	179,553	185,550
Import duties	96,208	77,924	93,788	102,010	120,050	106,972	108,770	112,322
Taxes on imports excluding VAT and duties	26,456	28,010	45,428	57,597	91,472	76,988	70,783	73,228
Export taxes	474	340	207	298	270	220	305	189
Taxes on products except VAT, import and export taxes	389,919	474,462	580,320	535,206	584,875	644,601	595,097	649,400
Other taxes on production	61,792	59,461	69,981	75,056	80,955	92,037	88,915	86,483
Total taxes	1,642,919	1,628,941	1,909,080	2,106,947	2,309,759	2,432,432	2,310,565	2,422,113
Subsidies								
Subsidies on products	43,855	38,676	50,142	93,772	78,879	79,001	94,370	41,851
Import subsidies	745	1,105	1,801	3,596	3,106	3,041	3,674	816
Export subsidies	12,502	10,520	11,011	13,298	7,235	10,634	9,005	9,815
Other subsidies on products	30,608	27,051	37,330	76,878	68,538	65,326	81,691	31,220
Other subsidies on production	11,275	17,469	19,750	19,802	21,227	24,664	27,501	26,802
Total subsidies	55,130	56,145	69,892	113,574	100,106	103,665	121,871	68,653
Total taxes on production and imports less subsidies	866,728	910,611	1,111,475	1,107,138	1,284,555	1,339,877	1,273,116	1,409,411

Note : 1/ Value Added Tax (VAT) originated from 1992

Table 61 Social contributions and social transfers

(Millions of Baht)

	2008	2009r	2010r	2011r	2012r	2013r	2014r	2015p
Social contributions	275,843	286,292	317,727	340,494	356,245	378,522	426,982	461,676
Employers' actual social contributions	46,707	39,414	50,026	54,105	45,457	57,305	74,155	78,060
Employers' imputed social contributions	158,025	177,665	186,434	197,138	215,128	207,476	226,664	253,463
Households' actual social contributions	51,815	48,378	57,310	60,991	63,528	79,004	88,430	90,186
Households' social contributions supplements	19,296	20,835	23,957	28,260	32,132	34,737	37,733	39,967
Social benefits other than social transfers in kind	195,478	256,223	293,530	275,045	326,151	330,096	346,137	376,686
Social security benefits in cash	16,448	21,534	20,860	22,352	26,986	29,400	30,164	30,675
Other social insurance benefits	158,037	177,665	186,434	197,138	215,128	207,476	226,664	253,463
Social assistance benefits in cash	20,993	57,024	86,236	55,555	84,037	93,220	89,309	92,548
Social transfers in kind	628,329	725,852	817,330	870,307	982,822	1,014,427	1,095,480	1,147,008
Social transfers in kind - non-market production	509,212	557,793	603,236	656,899	737,151	776,535	855,726	906,642
Social transfers in kind - purchased market production	119,117	168,059	214,094	213,408	245,671	237,892	239,754	240,366
<i>Social security benefits, reimbursements</i>	2,827	2,321	2,681	2,655	3,114	3,106	3,739	5,052
<i>Other social security benefits in kind</i>	20,297	24,012	24,470	25,946	31,446	31,973	30,341	36,294
<i>Social assistance benefits in kind</i>	95,993	141,726	186,943	184,807	211,111	202,813	205,674	199,020

Note : The government social security plans included in government account comprise 8 funds as below:

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

ผู้ประสานงาน

Contact Persons

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

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

National Accounts Director-General : Wirot Nararak Tel: 0-2280-4085 ต่อ/ ext. 6501 e-mail: wirot@nesdb.go.th

ตาราง / Tables	ผู้ประสานงาน / Coordinators	e-mail address	ต่อ / Ext. No.
Main Accounts			
Account 1. Production account	Apichai Thamsermsukh	apichai-t@nesdb.go.th	6520
Account 2. Generation of income account	Sivalee Tiwangsangwan	sivalee@nesdb.go.th	6525
	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
Account 3. Allocation of primary income account	Sivalee Tiwangsangwan	sivalee@nesdb.go.th	6525
	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
Account 4. Secondary distribution of income account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
Account 5. Use of disposable income account	Thanapat Suntivong	thanapat@nesdb.go.th	6513
	Boonyisa Augsonsiriopas	boonyisa@nesdb.go.th	6518
Account 6. Redistribution of income in kind account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
Account 7. Use of adjusted disposable income account	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
Account 8. External income account	Sivalee Tiwangsangwan	sivalee@nesdb.go.th	6525
Gross Domestic Product, Chain Volume Measures			
Table 1 - 2.3	Apichai Thamsermsukh	apichai-t@nesdb.go.th	6520
Gross Domestic Product (Production)			
Table 3 - 5.3	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Table 6 - 7.2	Mattanee Phumklai	mattanee@nesdb.go.th	6523
Table 8 - 11.2	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Table 12 - 15.2	Mattanee Phumklai	mattanee@nesdb.go.th	6523
Table 16 - 17.2	Jindarat Shibue	jindarat-s@nesdb.go.th	6509
Table 18 - 21.2	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Table 22 - 23.2	Kullatree Kitjaruwong	kullatree@nesdb.go.th	6524
Table 24 - 25.2	Peeranat Dangskul	peeranat@nesdb.go.th	6521
Table 26 - 27.2	Phirunthip Sukneongbung	phirunthip@nesdb.go.th	6505
Table 28 - 37.2	Kullatree Kitjaruwong	kullatree@nesdb.go.th	6524
Gross Domestic Product (Expenditure)			
<i>Private final consumption expenditure</i>			
Table 38 - 41.2	Anong Pungsuntorn	anong@nesdb.go.th	6516
	Boonyisa Augsonsiriopas	boonyisa@nesdb.go.th	6518
<i>General government final consumption expenditure</i>			
Table 42 - 43.2	Thanapat Suntivong	thanapat@nesdb.go.th	6513
	Jaruwan Poolsuk	jaruwan@nesdb.go.th	6514
Capital formation			
Table 44 - 49.2	Jindarat Shibue	jindarat-s@nesdb.go.th	6509
	Suporn Wareerat	suporn_c@nesdb.go.th	6510
National Income			
Table 50 - 51	Sivalee Tiwangsangwan	sivalee@nesdb.go.th	6525
	Santi Srisomboon	santi@nesdb.go.th	6526
Table 52	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Jaruwan Poolsuk	jaruwan@nesdb.go.th	6514
Table 53 - 54	Sivalee Tiwangsangwan	sivalee@nesdb.go.th	6525
	Santi Srisomboon	santi@nesdb.go.th	6526
Table 55	Santi Srisomboon	santi@nesdb.go.th	6526
Table 56 - 57	Santi Srisomboon	santi@nesdb.go.th	6526
Table 58 - 59	Sivalee Tiwangsangwan	sivalee@nesdb.go.th	6525
Table 60 - 61	Natsuda Phetchnoon	natsuda@nesdb.go.th	6512
	Jaruwan Poolsuk	jaruwan@nesdb.go.th	6514



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