

Office of the Chief Government Statistician

Gross Domestic Product



March 2017 quarter

30 th June 2017

Overview

Gross Domestic Product positively performed by 6.3 March quarter 2017 following the positive performances of 4.5 percent, 8.3 percent and 8.9 in the December, September and June quarters of 2016 respectively. In March 2017, the increase in the y-o-y growth rate was a result of a mix performance by the industries.

Gross Domestic Product for the **March 2017 quarter** at constant 2007 prices was 348,895 TZS million recording an increase of 6.3 percent over the March 2016 quarter.

Chart 1: Total GDP at constant 2007 prices & Growth in quarterly GDP (at 2007 prices)

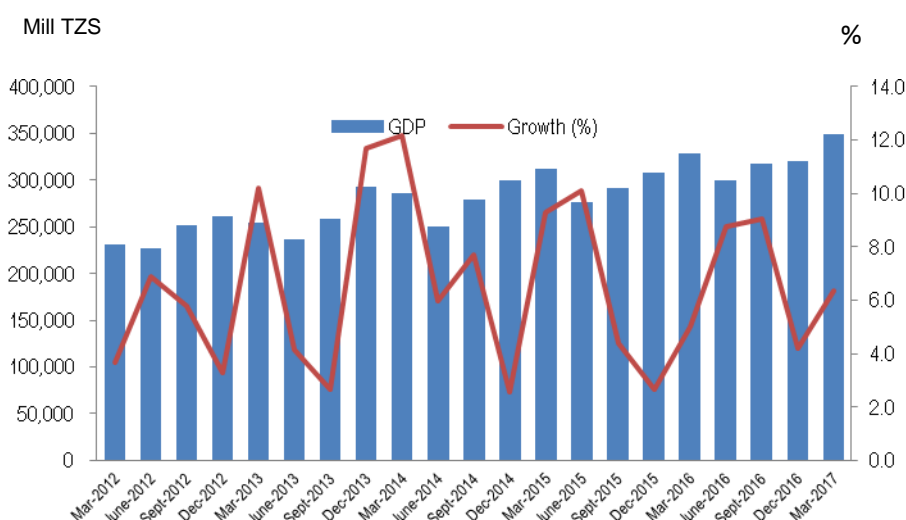


Chart I shows the total value added at constant 2007 prices and the quarterly y-o-y GDP growth rates from March 2012 quarter to March 2017 quarter. As shown by the chart I above, quarterly value added was the highest in March 2017 and the lowest was on June quarter 2012. The June quarter 2012 mark the declined indicating the slowdown in overall economic performance in the period under review.

Chart 2: Percentage point contributions to change in real GDP, by industry March 2017 Quarter

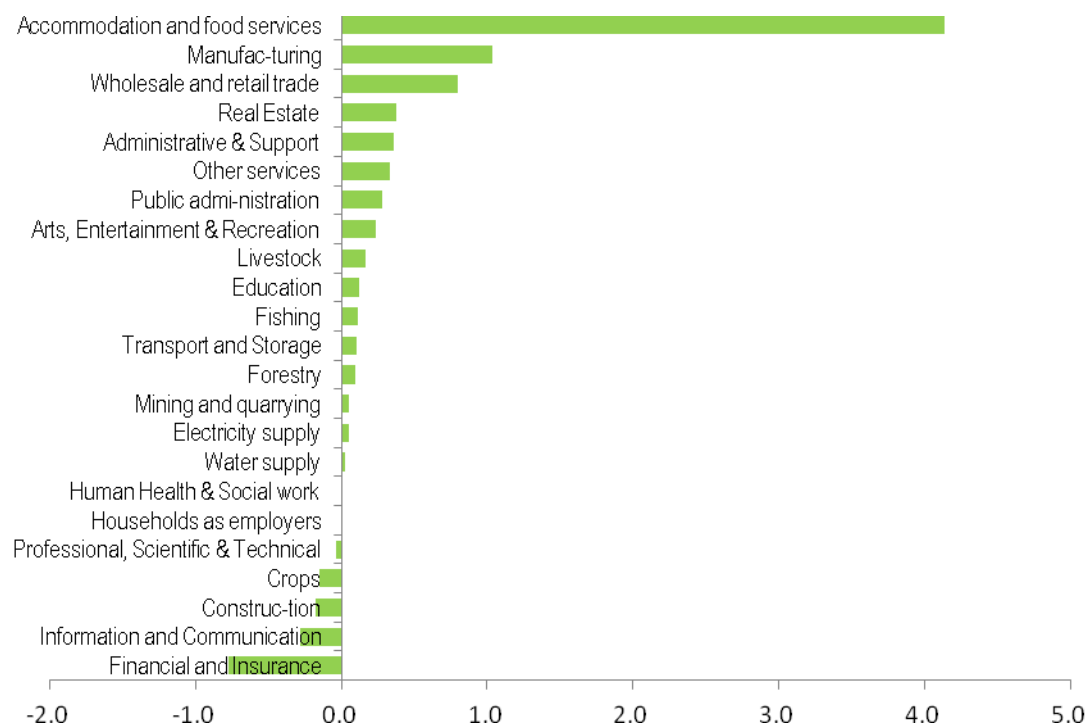


Chart 2 shows the percentage-point contribution of each industry to the overall growth of 6.3 percent in the March 2017 quarter. The main contributors were Accommodation and Food services (4.1 percentage points), manufacturing (1.0 percentage points), Wholesale and retail trade (0.8 percentage points), and Real Estate and Administrative and Support Services (0.4 percentage points) each. Other contributors to growth were Public administration, Financial Services Indirectly Measured and Other Services (0.3 percentage points) each, Livestock and Arts and Entertainments (0.2 percentage points) each and Fishing, Forestry, Mining and Quarrying, Electricity, Transports & storage and Education were all have 0.1 percentage points.

Accommodation and Food services recorded the highest growth of 48.8 percent as compared to 6.1 percent growth of same quarter 2016. Electricity is the second highest with 16.9 percent growth as compared to 3.0 growth observed in March 2016. Manufacturing recorded growth of 13.6 percent making it the third highest growth industry in the quarter. Wholesale and Retail Trade recorded growth of 12.0 percent which is little lower as growth of 14.4 percent of March 2016 quarter. Other activities showed positive growth for the referenced quarter are Livestock 6.1 percent, Education 5.6 percent, Forestry 4.2 percent, Mining and Quarrying 3.2 percent, Public Administration 2.7 percent, Fishing 2.5 percent and Transport and Storage 2.1 percent.

The highest negative performance observed in March 2017 quarter was experienced in Financial and Insurance activity which accounts for negative 14.5 percent that marked lowest percentage point contribution (-0.8 percentage point). This was followed by Information and Communication which had negative performance of 7.5 percent, Crops negative 2.2 percent and Construction negative 1.6 percent.

GDP levels (Nominal or Current Prices):

Total GDP for the March 2017 quarter in nominal terms stood at 645,810 TZS million, climbing to 3.2 percentage compared to March 2016. Top three activities which showed biggest contributor to this growth are Electricity, Accommodation and Food services and Mining and Quarrying with respective percentage growths of 163.8, 55.9, and 50.3. While the top three activities which showed highest negative are Information and Communication, Construction and Transport and Storage with respective negative percentage growths of 72.1, 46.6 and 17.7.

Chart 3: Composition of GDP, September 2015 Quarter

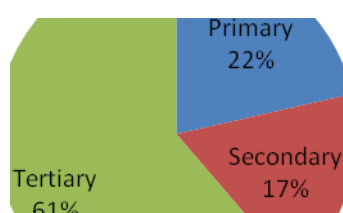


Chart 3 shows the composition of GDP at current prices for March 2017 quarter, categorized into the three main broad sectors of the economy, Primary Sector (Agriculture, Forestry, Livestock and Fishing) , Secondary Sector (Industrial Sector) and Tertiary Sector (Services Sector).

Tertiary sector remains the largest comprising a total share of 61 percent of aggregate GDP, increasing by 3.2 percent compared to its share in March 2016 quarter. Secondary sector recorded a share of 17 percent dropping its share by 14.2 percent compared to March 2016. This was driven by the slight decline in the share of Construction while other industries registered an increase. Primary sector recorded a total share of 22 percent which is a increase of 3.3 percent compared to March 2016 quarter. And taxes on products recorded a total share of 12.2 percent which is a decline of 0.11 percent as by March 2016.

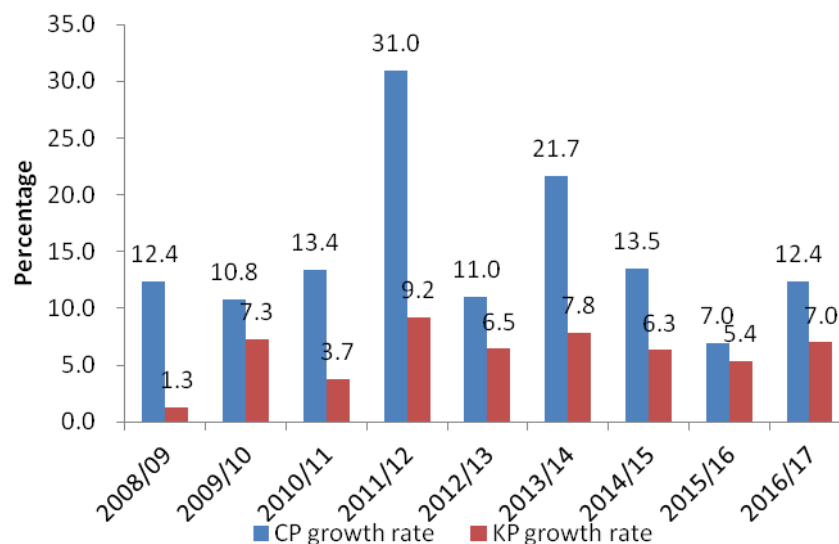
Twelve Months Review (April 2016—March 2017):

GDP for the 12 months period ended March 2017 at current prices (nominal terms) stood at 2,654,116 TZS million, an increase of 12.4 percent compared to 12 months period ended March 2016.

At constant 2007 prices (real terms), GDP stood at 1,287,415 TZS million recording an increase of 7.0 percent compared to the 12 months period ended March 2016. This increase of 6.6 percent in the year ended March 2017 was evident of the favourable economic performance attributed by industries such as Accommodation and food services (contributed 1.7 percentage points), Construction (contributed 1.1 percentage points), Public administration (contributed 0.8 percentage points), Crops and Manufacturing (contributed 0.7 percentage points) each, Real Estate (contributed 0.4 percentage points), and Mining and quarrying and Wholesale and retail trade (contributed 0.3 percentage points) each.

Chart 4 shows the growth rates for the 12 months period ending March for the years 2008/09 to 2016/17. As shown by the chart, economic activities in the 12 months period March 08/09 to March 16/17 have been steadily showing favorable performances for the 12 months period ending March 2017.

Chart 4: Percentage change in Current and Constant Prices for the year ended March (2010/11—2016/17)



As indicated by the chart above there was consecutive positive growth at 2007 constant prices since period ending March 2010/11 to the same period of 2016/17. The pick have experience on 2011/12 compared to other years. This contribute to high volume of number of tourist arrived in Zanzibar.

Individual Industry Quarterly Performance

CROPS	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	59,532	164,724	60,316	(63.4)	1.3
Value added (constant 2007 prices) TZS (Millions)	22,789	41,461	22,282	(46.3)	(2.2)
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	(0.2)	1.6	-0.2		
Contribution to aggregate GDP: <i>percent</i>	6.9	12.9	6.4		

Chart 5: Percentage change in Crops; Mar 2012– Mar 2017

The Crops sub sector generated a total value added in real terms of 22,282 TZS million in the period under review. Compared to December 2016 quarter, the activity went down by 46.3 percent, similarly it fall down by 2.2 percent in comparing to March 2016. The industry had negative contribution of 0.2 percentage points to overall GDP growth. This is the second negative contribution the sector has undergone within 12 months period from March 2016 quarter.

The current prices value added reached 60,316 TZS millions from 59,532 TZS millions of March 2016 quarter raising a growth of 1.3 percent.



LIVESTOCK	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	13,786	15,431	15,098	(2.2)	9.5
Value added (constant 2007 prices) TZS (Millions)	8,689	9,332	9,219	(1.2)	6.1
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.2	0.2	0.2		
Contribution to aggregate GDP: <i>percent</i>	2.6	2.9	2.6		

Chart 6: Percentage change in Livestock; Mar 2012– Mar 2017

Livestock recorded a total value added of 9,219 TZS million in constant prices for the period under review. That make the porsitive performannce of 6.1percent y-o-y for March quater 2017 compared to the coresponding quarter of 2016. The industry experienced the same level of 0.2 percentage-point contribution of growth to the overall GDP. The economic activity recorded consecutive positive performance since March quarter 2012 to March quarter of 2017. The current price value added marked 15,098 for March quarter of 2017 that make the positive performance of 9.5 percent (y-o-y).



FORESTRY	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	16,906	17,295	17,262	(0.2)	2.1
Value added (constant 2007 prices) TZS (Millions)	7,213	7,458	7,514	0.7	4.2
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.1	0.1	0.1	Chart 7: Percentage change in Livestock; Sept 2012– Mar 2017	
Contribution to aggregate GDP: <i>percent</i>	2.2	2.3	2.2		

Forestry registered a total value added of 7,514 TZS million in constant prices for the period under review marking growth of 4.2 percent. The industry contributed positively to the overall growth with 0.1 percentage points. The favorable performance by the industry was in line with the increased volume of forestry products.

Current prices marked the value added of 17,262 TZS million that result a positive growth of 2.1 percent (y-o-y). This activity accounts for 2.2 percent share to total GDP.



FISHING	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	38,271	36,987	45,714	23.6	19.4
Value added (constant 2007 prices) TZS (Millions)	15,365	14,006	15,744	12.4	2.5
Contribution to aggregate (y-o-y): real growth rate: <i>percentage points</i>	0.3	0.2	0.1	Chart 8: Percentage change in Fishing value added; Mar 2012– Mar 2017	
Contribution to aggregate GDP: <i>percent</i>	4.7	4.4	4.5		

Fishing recorded a total value added of 15,744 TZS million in constant prices for the period under review. The industry contributed positively to the overall growth with 0.1 percentage points for March quarter 2017. The favorable performance by the industry was in line with the high volume of fish catch in Zanzibar. This volume of fishes led to y-o-y change of positive performance of 2.5 percent over the same quarter 2016. The value added at current prices registered 45,714 TZS million for the March quarter (y-o-y) that marked 19.4 percent of growth. The industry account for 4.5 percent share to total GDP.



MINING AND QUARRYING	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	12,188	14,544	18,319	26.0	50.3
Value added (constant 2007 prices) TZS (Millions)	5,612	6,449	5,789	(10.2)	3.2
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.1	0.5	0.1		
Contribution to aggregate GDP: <i>Percent</i>	1.7	2	1.7		

Chart 9: Percentage change in Mining and Quarrying value added; Mar 2011– Mar 2017

Mining and Quarrying registered a total value added of 5,789 TZS million in constant prices for the period under review. The industry contributed positively to the overall growth with 0.1 percentage points for March 2017 quarter. The favorable performance of 3.2 percent (y-o-y) by the industry was in line with the increases of volume of quarrying products within Zanzibar. The industry accounts for positive performance of 50.3 percent (y-o-y) at current prices that marked 18,319 TZS value added. Change from December quarter 2016 experience 26.0 percent (q-o-q)



MANUFACTURING	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	41,146	59,825	46,986	(21.5)	14.2
Value Added (constant 2007 prices) TZS (Millions)	24,862	26,875	28,251	5.1	13.6
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.4	0.3	1.0		
Contribution to aggregate GDP: <i>percent</i>	7.6	8.4	8.1		

Chart 10: Percentage change in Manufacturing value added; Mar 2011– Mar 2017:

Manufacturing marked a total value added of 28,251 TZS million in real term for the period under review. The industry contributed positively to the overall growth with 1.0 percentage points for March quarter. The industry observed a positive performance of 13.6 percent (y-o-y) which was contributed to the increases of production of beverages within the economic territory. Current prices registered a positive growth of 14.2 percent for March quarter (y-o-y).



ELECTRICITY SUPPLY	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	2,327	4,065	6,141	51.1	163.8
Value added (constant 2007 prices) TZS (Millions)	1,046	1,137	1,223	7.5	16.9
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.0	0.0	0.1	Chart 11: Percentage change in Elec- tricity Supply; Mar 2012– Mar 2017	
Contribution to aggregate GDP: <i>percent</i>	0.3	0.4	0.4		

Electricity Supply value added at constant prices stood at 1,223 TZS million as a result of 16.9 positive growth for March 2017 quarter compared to same quarter of previous year.

In normal term the industry marked 6,141 TZS million in March 2017 quarter that registered a share of 0.4 percent to total GDP.



WATER SUPPLY	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	4,593	2,425	4,949	104.1	7.8
Value added (constant 2007 prices) TZS (Millions)	1,220	1,300	1,297	(0.2)	6.3
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.0	0.0	0.0	Chart 12: Percentage change in Water Supply; Mar 2012– Mar 2017	
Contribution to aggregate GDP: <i>percent</i>	0.4	0.4	0.4		

Water was among the industries that have shown a positive performance. As it stood, the industry recorded a 1,297 TZS million in value added in real terms for the period under review. This was 6.3 percent higher than the value added it generated in March quarter 2016, and -0.2 lower compared to the December 2016 quarter. The positive performance by the industry corresponds to an increase by new sources of water supplied recently.

The industry has now recorded positive y-o-y growth rates since march 2012 as shown by the Chart



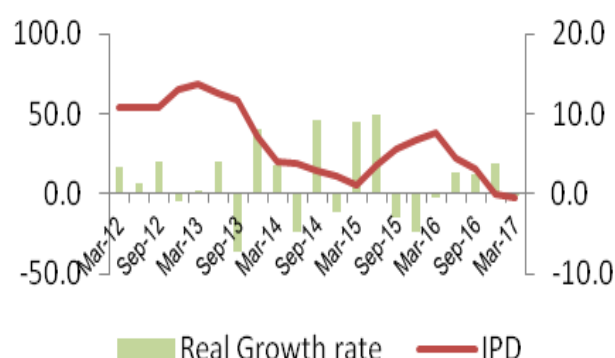
CONSTRUCTION	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	65,647	38,990	35,045	(10.1)	(46.6)
Value added (constant 2007 prices) TZS (Millions)	36,276	21,039	35,691	69.6	(1.6)
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	(0.3)	0.8	(0.2)		
Contribution to aggregate GDP: <i>percent</i>	11.0	6.3	10.2		

Chart 13: Percentage change in Construction; Mar 2012– Mar 2017

At constant 2007 prices, Construction industry registered a negative 1.6 percent compared to its output in March 2016. Construction activities contributed to 10.2 percentage point to overall GDP rate. The performance by the industry was consistent with the completion of major construction projects activities performed in the period under review.

However, when compared to December 2016, again the industry value added also recorded a positive 69.6 percent.

Current prices marked 35,045 TZS million for the March 2017 quarter.



WHOLESALE AND RETAIL TRADE	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	45,950	51,387	50,863	(1.0)	10.7
Value added (constant 2007 prices) TZS (Millions)	21,882	24,670	24,498	(0.7)	12.0
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	1.0	0.3	0.8		
Contribution to aggregate GDP: <i>percent</i>	6.7	7.7	7.0		

Chart 14: Percentage change in Wholesale and Retail Trade; Mar 2012– Mar 2017

Wholesale and retail Trade industry generated a total value added of 24,498 TZS million at constant 2007 prices. In March 2016 quarter, the industry recorded a value added of 21,882 TZS million; and a 24,670 TZS million value added in December quarter 2016. Value added went up by 12.0 percent and negative 0.7 percent in the respective periods. The industry was one of the positive contributors to the overall GDP growth, registering a total share of 7.0 percent and a contribution of 0.8 percentage points to overall growth.



ACCOMMODATION AND FOOD SERVICES	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	64,654	77,862	100,813	29.5	55.9
Value added (constant 2007 prices) TZS (Millions)	27,843	31,233	41,422	32.6	48.8
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.5	1.3	4.1		
Contribution to aggregate GDP: <i>percent</i>	8.4	9.7	11.9		

Chart 15: Percentage change in Accommodation and Food Services; Mar 2012– Mar 2017

Accommodation and Food Services recorded a total value added of 41,422 TZS million at constant 2007 prices. Compared to its total value added it recorded in the same quarter of the previous year, the industry was up by 48.8 percent. The positive performance by the industry driven by the number of visitor arrivals during the period; compared to March 2016. When compared to December 2016, the industry further went up by 32.6 percent.

Current prices performed a positive y-o-y growth rate of 55.9 percent which accounts for total value added of 100,813 TZs million. Change from December quarter 2016 observed to be 29.5 percent.



TRANSPORT AND STORAGE	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	26,951	29,556	22,192	(24.9)	(17.7)
Value added (constant 2007 prices) TZS (Millions)	16,055	16,270	16,392	0.7	2.1
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.1	0.2	0.1		
Contribution to aggregate GDP: <i>percent</i>	4.9	5	4.7		

Chart 16: Percentage change in Transport and Storage; Mar 2012– Mar 2017

Transport and Storage sector accumulated a total value added of 16,392 TZS million in real terms. This was an increase of 2.1 percent over March 2016 quarter. The sector contributed 0.1 percentage-point to overall growth with a 4.7 share to total GDP.

Compared to March quarter of 2016, there was a decrease of value added by 17.7 percent at current prices and a decrease from December quarter of 2016 was 24.9 percent which accounts for 22,192 TZS millions.



INFORMATION AND COMMUNICATION	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	46,268	27,954	12,930	(53.7)	(72.1)
Value added (constant 2007 prices) TZS (Millions)	12,430	9,863	11,496	16.6	(7.5)
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	(0.1)	0.5	(0.3)		
Contribution to aggregate GDP: <i>percent</i>	3.8	3.1	3.3		

Chart 17: Percentage change in Information and Communication; Mar 2012– Mar 2017

Communication total value added in real terms amounted to 11,496 TZS million. This was translated into a decrease of 7.5 percent compared to March quarter of 2016. The industry contributed negative 0.3 percentage points to growth and took out a total share of 3.3 percent of overall GDP.

In current prices, the industry value added stood at 12,930 TZS million, down by 72.1 percent on a y-o-y basis. The sector's performance in the period reflects the decrease of sales airtime in that period under review



FINANCIAL AND INSURANCE	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	27,390	26,336	26,848	1.9	(2.0)
Value added (constant 2007 prices) TZS (Millions)	17,452	14,808	14,914	0.7	(14.5)
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	1.3	0.2	(0.8)		
Contribution to aggregate GDP: <i>percent</i>	5.3	4.6	4.3		

Chart 18: Percentage change in Financial and Insurance; Mar 2012– Mar 2017

In the March 2017 quarter, Financial and Insurance recorded a total value added in real terms of 14,914 TZS million, this was 14.5 down compared to the same period of the previous year. When compared to the previous quarter, the industry went up by 0.7 percent.

The industry's y-o-y growth was assisted by the decreasing loan and deposits in financial activities compared to March 2016.

However, Current prices fell by 2.0 percent (y-o-y) growth for March quarter of 2017, when compared to December 2016 quarter Current value added by the industry was 1.9 percent higher.



REAL ESTATE	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	44,175	49,896	50,643	1.5	14.6
Value added (constant 2007 prices) TZS (Millions)	17,642	18,555	18,871	1.7	7.0
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.4	0.4	0.4		
Contribution to aggregate GDP: <i>percent</i>	5.3	5.8	5.4		

Chart 19: Percentage change in Real Estate; Mar 2012– Mar 2017

At constant 2007 prices, Real Estate value added stood at 18,871 TZS million in the March quarter of 2017. The industry's performance increased by 7.0 percent when compared to the same period last year, contributing a 0.4 percentage points to the overall performance. The increase in value added reflects the increasing demand by the real estate activities.

When compared to the December 2016 quarter, value added went up by 1.7 percent.

In nominal term the value added stood at 50,643 TZS million that reflects 14.6 y-o-y positive growth.



PROFESSIONAL, SCIENTIFIC & TECHNICAL	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	2,940	2,790	2,815	0.9	(4.3)
Value added (constant 2007 prices) TZS (Millions)	1,172	1,046	1,042	(0.4)	(11.1)
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.0	0.0	0.0		
Contribution to aggregate GDP: <i>percent</i>	0.4	0.3	0.3		

Chart 20: Percentage change in Professional, Scientific and Technical; Mar 2012– Mar 2017

In real term the value added for professional, scientific and technical amounted to 1,042 TZS million. This was translated into an decrease of 11.1 percent (y-o-y) compared to March quarter of 2017.

In current prices, the industry value added stood at 2,815 TZS million, down by 4.3 percent on a y-o-y basis.

The share for the industry increased to 0.3 percent for March 2017.



ADMINISTRATIVE & SUPPORT	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	5,267	4,921	5,910	20.1	12.2
Value added (constant 2007 prices) TZS (Millions)	2,353	2,363	3,520	49.0	49.6
Contribution to aggregate (y-o-y) real growth rate: percentage points	0.1	0.0	0.4		
Contribution to aggregate GDP: percent	0.7	0.7	1.0		

Chart 21: Percentage change in Administrative and Support; Mar 2012–Mar 2017

Value added for Administrative and support at constant prices stood at 3,520 TZS millions. This was 49.6 percent higher compared to corresponding quarter of 2016. The December quarter went up by 49.0 percent which marked the value added of 2,363 TZS million. Current prices have shown the increase in value added by 12.2 percent on y-o-y basis. In December quarter there was an increase to 20.1 percent on q-o-q basis. The share of March 2017 quarter increased by 1.0 percent.



PUBLIC ADMINISTRATION	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	26,799	27,651	27,739	0.3	3.5
Value added (constant 2007 prices) TZS (Millions)	34,589	35,774	35,512	(0.7)	2.7
Contribution to aggregate (y-o-y) real growth rate: percentage points	1.0	0.7	0.3		
Contribution to aggregate GDP: percent	10.5	11.2	10.2		

Chart 22: Percentage change in Public Administration; Mar 2012–Mar 2017

The value value added for Public administration amounted to 35,512 in real term for March quarter 2017. The change in value added from march 2017 to same quarter of 2016 was 2.7 percent on y-o-y basis. The value added from december 2016 quarter declined to negative 0.7 percent. The industry contributed 10.2 percentage point to overall GDP growth. In nominal term the value added registered 27,739 TZS million as a result of of 3.5 percent increase. December quarter marked positive performance of 0.3 q-o-q basis. The share increase to 10.2 percent in March 2017 quarter.



EDUCATION	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	13,466	12,589	14,639	16.3	8.7
Value added (constant 2007 prices) TZS (Millions)	7,308	7,058	7,714	9.3	5.6
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.2	0.1	0.1		
Contribution to aggregate GDP: <i>Percent</i>	2.2	2.2	2.2	Chart 23: Percentage change in Education; Mar 2012– Mar 2017	

The Education sector generated a total value added in real terms of 7,714 TZS million in the period under review. Compared to the March 2017 quarter, the activity went up by 5.6 percent, and further increased by 9.3 percent when compared to December 2016 quarter. The industry contributed a positive 2.2 percentage points to overall GDP growth.

The current prices registered a positive performance of 16.3 percent from December quarter 2016 (q-o-q). When compared to March 2016 quarter the value added increased by 8.7 percent on y-o-y basis. The share marked 2.2 percent for the March 2017 quarter.



HUMAN HEALTH & SOCIAL WORK	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	6,110	5,990	6,634	10.8	8.6
Value added (constant 2007 prices) TZS (Millions)	2,756	2,790	2,773	(0.6)	0.6
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.0	0.1	0.0		
Contribution to aggregate GDP: <i>Percent</i>	0.8	0.9	0.8	Chart 24: Percentage change in Human Health and Social Work; Mar 2012– Mar 2017	

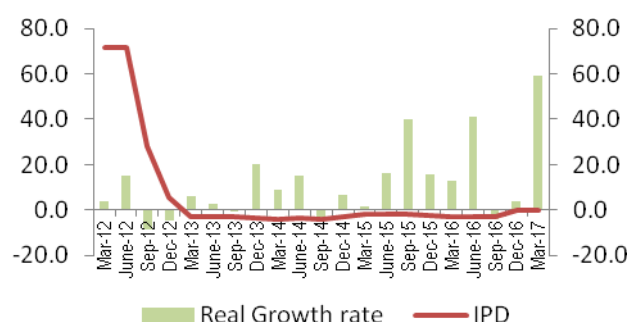
For the period under review, the industry generated a value added in constant prices of 2,773 TZS million, this was 0.6 percent higher than the value added it produced in the March 2016 quarter, and went down by negative 0.6 percent compared to the same quarter of the previous year.

Normal term the value added for September 2017 marked to 6,634 TZS million, this was 8.6 higher than March quarter 2016. In March 2017 quarter the share amounted to 0.8 percent where December quarter registered to 0.9 percent.



Arts, Entertainment & Recreation	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	2,735	2,815	4,244	50.8	55.2
Value added (constant 2007 prices) TZS (Millions)	1,281	1,346	2,040	51.6	59.3
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.0	0.0	0.2		
Contribution to aggregate GDP: <i>Percent</i>	0.4	0.4	0.6	Chart 25: Percentage change in Art, Entertainment and Recreation; Mar 2012– Mar 2017	

Arts, Entertainment and Recreation industry registered a total value added of 2,040 TZS million at constant 2007 prices. In December 2016 quarter, the industry recorded a value added of 2,815 TZS million;. Value added up by 55.2 percent and 50.8 percent in the respective periods. The industry accounted for 0.6 percent share to total GDP.



OTHER SERVICES	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quarter (q-o-q)	% change from Mar 2016 quarter (y-o-y)
Value Added (current prices) TZS (Millions)	2,646	2,841	4,137	45.6	56.3
Value added (constant 2007 prices) TZS (Millions)	2,137	2,237	3,237	44.7	51.5
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.1	0.0	0.3		
Contribution to aggregate GDP: <i>Percent</i>	0.6	0.7	0.9	Chart 26: Percentage change in Other Services; Mar 2012– Mar 2017	

At constant 2007 prices, Other Services industry amounted 3,237 TZS million value added for March 2017 quarter. This translated as 51.5 higher than the similar 2016 quarter whereas, December 2016 quarter marked a positive performance of 44.7 percent on q-o-q basis.

Current prices rehead to 4,137 TZS million for March 2017 quarter which reflect the positive performance of 56.3 on y-o-y basis. Compared to December 2016 quarter the result has shown the positive performance that marked 2,841 TZS million which accounts for 45.6 percent (q-o-q). The three quarters presented above showed 0.9 percent of share to total GDP.



TAXES ON PRODUCTS	GDP Mar 2016 Quarter	GDP Dec 2016 Quarter	GDP Mar 2017 Quarter	% change from Dec 2016 quar- ter (q-o-q)	% change from Mar 2016 quar- ter (y-o-y)
Value Added (current prices) TZS (Millions)	63,657	76,196	71,405	(6.3)	12.2
Value added (constant 2007 prices) TZS (Millions)	45,007	26,542	42,415	59.8	(5.8)
Contribution to aggregate (y-o-y) real growth rate: <i>percentage points</i>	0.4	(4.1)	(0.8)		
Contribution to aggregate GDP: <i>percent</i>	13.6	8.2	12.2		

Chart 27: Percentage change in Other Services; Mar 2012– Mar 2017

The Taxes on Products generated a total value added in real terms of 42,415 TZS million in the period under review. The value added for March 2017 quarter declined by 5.8 percent lower than the value added for the same quarter of previous year. Compared to the December 2016 quarter, the activity again increased by 59.8 percent. The industry contributed a negative 0.8 percentage points to overall GDP growth.

The current prices registered a positive performance of 12.2 percent from March quarter 2016 (y-o-y). When compared to December 2016 quarter the value added decreased by negative 6.3 percent on q-o-q basis. The March 2017 quarter marked a share of 12.2 percent.



Introduction

The compilation of national accounts statistics is a dynamic process, and therefore needs to adapt to reflect a variety of measures and indicators consistent with developments and structural changes in the economy over a period of time. It is therefore expected that revisions and updates are made to the historical series on a quarterly or annual basis as new data sources are brought into the model and as various benchmarks and assumptions are validated and updated.

This quarterly report is the Third published by the Office of the Chief Government Statistician of the new quarterly series of GDP estimates at constant 2007 prices. This report is an ongoing publication and can also be downloaded from our website www.ocgs.go.tz.

OCGS VISION

"to become a centre of excellence for statistical production and promoting a culture of evidence based policy and decision making"

National Accounts Section
Mwanakwerekwe PO Box 2321
Zanzibar

Phone: +255 242231869
Fax: +255242231742
E-mail: zanstat@ocgs.go.tz

**Office of the Chief Government
Statistician**



Table 1(a): GDP by Industry – Constant prices

Quarter	Crops	Livestock	Forestry	Fishing	Mining and quarrying	Manufac- turing	Electricity supply	Water supply	Construc- tion	Wholesale and retail trade	Accommodation and food services	Transport and Storage	Information and Communication	Financial and Insurance
2012-Mar	18,383	6,697	6,219	11,437	4,470	18,336	899	988	21,197	16,796	20,476	12,345	9,059	10,337
2012-June	20,242	6,968	6,239	12,262	3,470	18,808	794	893	24,227	18,406	12,556	11,990	9,196	10,070
2012-Sept	22,740	6,851	6,311	12,961	4,101	18,346	819	1,041	31,172	18,850	22,548	13,015	7,271	10,696
2012-Dec	34,996	7,124	6,368	10,984	4,129	19,242	873	990	18,584	17,678	18,951	12,849	10,015	11,522
2013-Mar	25,002	6,981	6,415	11,510	3,987	19,756	893	1,077	21,667	18,511	23,834	13,534	7,171	10,977
2013-June	22,326	7,296	6,463	12,849	3,358	18,445	856	929	29,191	16,707	13,548	13,001	7,730	11,369
2013-Sept	27,525	7,225	6,537	13,086	4,156	20,328	853	1,045	19,974	17,683	20,653	14,063	7,742	11,354
2013-Dec	43,562	7,540	6,594	11,911	4,091	21,337	889	1,098	26,163	20,904	23,604	14,310	8,135	11,100
2014-Mar	22,606	7,477	6,656	12,321	4,034	21,324	942	1,134	25,665	19,278	25,793	13,865	10,311	11,286
2014-June	22,611	7,843	6,709	13,429	3,478	20,915	870	976	22,138	20,049	14,548	14,575	10,524	12,469
2014-Sept	26,271	7,768	6,796	14,083	4,578	21,514	897	1,092	29,224	19,073	22,207	13,262	9,113	12,662
2014-Dec	38,369	8,134	6,862	13,926	4,804	24,027	948	1,147	23,205	25,023	24,726	17,031	8,431	13,136
2015-Mar	23,747	8,048	6,945	14,433	5,401	23,586	1,015	1,173	37,197	19,153	26,239	15,747	12,696	13,316
2015-June	22,338	8,446	6,971	15,405	3,848	22,298	945	1,029	33,108	19,898	16,346	14,985	11,334	13,815
2015-Sept	24,550	8,365	7,058	15,316	4,713	23,636	923	1,183	24,783	21,184	26,504	15,555	9,102	13,641
2015-Dec	35,825	8,712	7,126	13,522	4,779	26,164	1,019	1,212	17,668	24,014	27,186	15,508	8,187	14,341
2016-Mar	22,789	8,689	7,213	15,365	5,612	24,862	1,046	1,220	36,276	21,882	27,843	16,055	12,430	17,452
2016-June	22,611	9,065	7,242	16,068	4,192	23,776	992	1,099	37,869	20,997	19,732	16,499	12,140	13,636
2016-Sept	28,073	8,933	7,373	14,868	6,010	26,062	1,046	1,220	30,349	20,913	26,495	17,158	10,529	14,115
2016-Dec	41,461	9,332	7,458	14,006	6,449	26,875	1,137	1,299	21,039	24,670	31,233	16,270	9,863	14,808
2017-Mar	22,282	9,219	7,514	15,744	5,789	28,251	1,223	1,297	35,691	24,498	41,422	16,392	11,496	14,914

Table 1(b): GDP by Industry – Constant prices

Quarter	Real Estate	Professional, Scientific & Technical	Administrative & Support	Public administration	Education	Human Health & Social work	Arts, Entertainment & Recreation	Other services	Households as employers	FISIM	All indust. at basic prices	Taxes on products	GDP at market prices
2012-Mar	13,574	442	1,841	24,018	5,920	2,443	967	1,655	299	-2,736	206,061	25,170	231,231
2012-June	13,793	422	1,250	24,558	5,843	2,379	483	960	301	-2,649	203,463	23,570	227,033
2012-Sept	14,016	411	1,829	24,608	5,877	2,385	906	1,571	303	-2,787	225,841	26,472	252,313
2012-Dec	14,244	411	1,626	25,307	5,929	2,432	872	1,525	306	-3,070	223,886	37,981	261,867
2013-Mar	14,476	612	2,022	25,528	6,005	2,426	1,027	1,749	308	-2,948	222,520	32,357	254,876
2013-June	14,713	637	1,109	25,928	5,926	2,430	495	986	311	-3,171	213,430	23,072	236,501
2013-Sept	14,955	613	1,821	26,267	5,963	2,468	900	1,570	313	-3,190	223,906	35,154	259,060
2013-Dec	15,201	633	2,002	25,856	6,272	2,608	1,047	1,783	315	-3,142	253,812	38,588	292,400
2014-Mar	15,452	621	2,135	27,525	6,513	2,656	1,117	1,886	318	-3,187	237,725	48,099	285,824
2014-June	15,707	619	1,212	27,131	6,616	2,643	571	1,102	320	-3,505	223,550	26,989	250,539
2014-Sept	15,968	1,172	1,676	29,540	6,464	2,668	867	1,530	323	-3,550	245,199	33,811	279,010
2014-Dec	16,234	1,164	2,069	30,621	6,474	2,695	1,119	1,894	326	-3,630	268,736	31,345	300,081
2015-Mar	16,505	1,164	2,179	31,861	6,701	2,703	1,133	1,917	328	-3,743	269,444	43,725	313,169
2015-June	16,781	748	1,334	32,433	6,753	2,700	663	1,243	331	-3,982	249,769	26,515	276,284
2015-Sept	17,063	1,225	2,177	32,863	6,725	2,722	1,213	2,035	333	-3,923	258,946	32,137	291,084
2015-Dec	17,350	974	2,317	32,939	6,799	2,557	1,296	2,157	336	-4,129	267,861	39,059	306,919
2016-Mar	17,642	1,172	2,353	34,589	7,308	2,756	1,281	2,137	339	-5,200	283,110	44,960	328,070
2016-June	17,941	1,052	1,718	35,517	7,252	2,763	937	1,644	341	-3,952	271,131	28,965	300,096
2016-Sept	18,245	1,012	2,108	35,974	7,181	2,782	1,164	1,974	344	-4,072	279,857	37,741	317,598
2016-Dec	18,555	1,046	2,363	35,774	7,058	2,790	1,346	2,237	347	-4,321	293,094	27,732	320,826
2017-Mar	18,871	1,042	3,520	35,512	7,714	2,773	2,040	3,237	350	-4,309	306,480	42,415	348,895

Table 2(a): GDP by Industry – Current prices

Quarter	Crops	Livestock	Forestry	Fishing	Mining and quarrying	Manufacturing	Electricity supply	Water supply	Construction	Wholesale and retail trade	Accommodation and food services	Transport and Storage	Information and Communication	Financial and Insurance
2012-Mar	36,090	13,337	11,926	29,874	7,087	25,348	756	1,567	29,808	27,976	35,012	15,282	2,265	9,700
2012-June	39,131	13,392	11,708	27,696	5,629	27,450	1,113	1,406	34,820	31,352	22,844	15,864	3,080	9,930
2012-Sept	65,574	13,133	11,880	25,969	6,833	27,951	2,178	1,560	45,926	32,780	41,612	18,612	2,729	11,087
2012-Dec	100,456	13,685	11,797	28,475	6,988	29,848	1,734	1,481	28,681	31,656	33,971	17,812	3,889	12,621
2013-Mar	47,924	12,791	12,180	29,827	6,967	32,768	1,478	2,660	34,634	33,378	44,583	20,411	2,407	13,171
2013-June	43,835	13,512	12,663	28,972	5,947	30,575	1,239	2,275	47,197	30,656	26,277	19,431	2,869	14,590
2013-Sept	98,920	14,813	13,436	31,935	7,706	32,547	994	2,573	32,872	33,163	39,899	22,547	7,485	15,793
2013-Dec	152,295	15,636	13,657	29,010	7,703	33,045	2,906	3,225	43,310	37,588	46,517	24,099	11,678	17,050
2014-Mar	50,348	16,191	13,719	34,056	7,795	34,035	2,498	4,296	42,715	35,650	52,096	21,375	21,995	19,408
2014-June	51,726	15,040	14,462	34,255	6,763	31,995	1,546	3,643	37,153	37,729	29,775	21,205	27,741	21,974
2014-Sept	96,078	17,305	15,486	33,753	9,100	32,517	1,202	4,118	49,440	36,537	45,720	19,004	33,508	22,760
2014-Dec	141,333	11,343	15,658	33,761	9,551	36,081	1,522	4,339	39,294	46,857	51,152	22,754	31,528	22,340
2015-Mar	55,923	20,549	15,985	35,837	10,849	36,399	2,302	4,443	62,582	36,296	54,304	28,128	35,455	20,906
2015-June	55,711	11,824	16,045	37,918	8,050	33,523	1,998	3,842	57,586	39,198	34,928	28,948	30,374	20,576
2015-Sept	86,743	12,279	16,000	36,978	10,049	40,559	2,060	4,463	44,281	44,096	59,274	28,149	30,286	19,678
2015-Dec	128,928	10,494	16,218	34,688	10,258	45,395	2,189	4,576	31,930	49,990	62,072	30,135	26,874	20,369
2016-Mar	59,532	13,786	16,906	38,271	12,188	41,146	2,327	4,593	65,647	45,950	64,654	26,951	46,268	27,390
2016-June	62,075	14,812	17,021	35,907	9,190	38,515	2,325	4,094	68,807	44,744	46,688	30,758	31,197	22,584
2016-Sept	111,609	14,993	17,228	38,146	13,423	42,838	2,329	4,568	55,935	45,629	64,946	26,492	25,325	24,507
2016-Dec	164,724	15,431	17,295	36,978	14,544	59,825	4,065	4,588	38,990	51,387	77,862	29,556	27,954	26,336
2017-Mar	60,316	15,098	17,262	45,714	18,319	46,986	6,141	4,949	35,045	50,863	100,813	22,192	12,930	26,848

Table 2(b): GDP by Industry – Current prices

Quarter	Real Estate	Professional, Scientific & Technical	Administrative & Support	Public administration	Education	Human Health & Social work	Arts, Entertainment & Recreation	Other services	Households as employers	FISIM	All indust. at basic prices	Taxes on products	GDP at market prices
2011-Mar	15,900	477	2,995	20,076	7,801	3,249	1,299	1,638	289	-2,114	276,960	34,251	311,210
2011-June	16,505	476	1,667	20,090	7,653	3,274	583	885	292	-2,282	260,962	31,467	292,429
2011-Sept	17,488	518	3,255	15,424	6,289	3,379	1,828	1,722	294	-2,471	329,119	34,204	363,323
2011-Dec	19,842	523	3,113	20,944	7,093	3,843	2,045	1,617	329	-2,319	383,641	36,127	419,768
2012-Mar	20,669	699	3,728	35,434	9,882	4,118	2,321	1,716	397	-2,419	322,573	42,269	364,842
2012-June	21,234	689	2,172	27,455	8,050	4,503	1,151	994	400	-2,457	309,606	40,907	350,513
2012-Sept	21,535	690	3,286	28,368	7,851	4,635	2,149	1,632	403	-2,852	375,521	40,212	415,733
2012-Dec	21,890	707	3,176	17,794	6,701	4,802	2,059	1,574	407	-3,611	378,597	42,772	421,369
2013-Mar	26,274	1,109	4,246	24,465	8,008	4,794	2,396	1,840	411	-4,244	364,478	46,613	411,091
2013-June	26,857	1,194	2,309	28,754	8,679	4,736	1,147	1,052	414	-5,189	349,993	38,316	388,309
2013-Sept	27,760	1,188	3,079	30,577	9,210	4,739	2,068	1,700	417	-5,685	429,739	46,613	476,351
2013-Dec	31,892	1,287	3,515	34,443	10,919	5,001	2,377	1,980	421	-5,966	523,585	56,756	580,342
2014-Mar	35,566	1,342	4,389	27,879	11,216	4,948	2,496	2,162	424	-6,281	440,318	60,009	500,326
2014-June	36,129	1,347	2,469	24,075	11,183	4,877	1,273	1,268	427	-6,742	411,315	54,669	465,984
2014-Sept	36,928	2,653	3,464	30,110	11,937	5,324	1,913	1,804	646	-6,813	504,494	53,982	558,475
2014-Dec	37,692	2,631	2,989	26,890	11,186	5,347	2,469	2,227	651	-6,616	552,978	57,701	610,679
2015-Mar	38,727	2,669	4,747	27,284	11,874	5,404	2,490	2,274	656	-6,504	509,582	65,261	574,843
2015-June	39,671	1,745	2,343	27,301	11,848	6,099	1,450	1,486	662	-6,697	466,430	54,247	520,677
2015-Sept	42,275	2,935	3,155	28,364	11,832	5,840	2,629	2,454	667	-6,539	528,507	54,558	583,065
2015-Dec	43,349	2,381	3,192	28,790	12,435	5,878	2,792	2,632	672	-6,893	569,343	56,767	626,110
2016-Mar	44,175	2,940	5,267	26,799	13,466	6,110	2,735	2,646	677	-8,069	562,357	63,657	626,014
2016-June	46,004	2,688	3,362	27,915	13,259	6,568	1,988	2,055	683	-5,970	527,269	71,405	598,674
2016-Sept	48,252	2,662	5,351	27,703	12,904	5,854	2,446	2,492	688	-6,124	590,196	70,083	660,279
2016-Dec	49,896	2,790	4,921	27,651	12,589	5,900	2,814	2,841	694	-6,470	673,158	76,196	749,353
2017-Mar	50,643	2,815	5,910	27,739	14,639	6,634	4,244	4,137	699	-6,531	574,405	71,405	645,810

Table 3(a): GDP by Industry - Percentage change from same quarter of previous year - Current Prices

Quarter	Crops	Livestock	Forestry	Fishing	Mining and quarrying	Manufacturing	Electricity	Water supply	Construction	Wholesale and retail trade	Accommodation and food services	Transport and Storage	Information and Communication	Financial and Insurance
2012-Mar	-27.7	34.2	40.6	18.9	60.0	26.3	-39.4	38.9	29.2	4.9	13.4	9.8	22.0	12.1
2012-June	-26.7	30.9	24.5	49.8	35.6	43.1	-7.5	41.7	18.0	17.6	43.0	21.1	202.2	16.3
2012-Sept	-20.4	19.3	15.1	12.2	18.9	30.2	73.7	23.8	32.7	8.8	16.0	28.8	234.3	24.2
2012-Dec	-15.8	1.1	8.7	9.5	8.5	20.7	39.5	-1.3	7.3	-13.1	-1.1	14.2	204.1	46.3
2013-Mar	32.8	-4.1	2.1	-0.2	-1.7	29.3	95.4	69.7	16.2	19.3	27.3	33.6	6.3	35.8
2013-June	12.0	0.9	8.2	4.6	5.6	11.4	11.3	61.8	35.5	-2.2	15.0	22.5	-6.9	46.9
2013-Sept	50.9	12.8	13.1	23.0	12.8	16.4	-54.4	64.9	-28.4	1.2	-4.1	21.1	174.3	42.5
2013-Dec	51.6	14.3	15.8	1.9	10.2	10.7	67.6	117.7	51.0	18.7	36.9	35.3	200.2	35.1
2014-Mar	5.1	26.6	12.6	14.2	11.9	3.9	69.1	61.5	23.3	6.8	16.9	4.7	813.8	47.3
2014-June	18.0	11.3	14.2	18.2	13.7	4.6	24.7	60.1	-21.3	23.1	13.3	9.1	867.1	50.6
2014-Sept	-2.9	16.8	15.3	5.7	18.1	-0.1	20.9	60.0	50.4	10.2	14.6	-15.7	347.7	44.1
2014-Dec	-7.2	-27.5	14.7	16.4	24.0	9.2	-47.6	34.6	-9.3	24.7	10.0	-5.6	170.0	31.0
2015-Mar	11.1	26.9	16.5	5.2	39.2	6.9	-7.9	3.4	46.5	1.8	4.2	31.6	61.2	7.7
2015-June	7.7	-21.4	10.9	10.7	19.0	4.8	29.2	5.5	55.0	3.9	17.3	36.5	9.5	-6.4
2015-Sept	-9.7	-29.0	3.3	9.6	10.4	24.7	71.3	8.4	-10.4	20.7	29.6	48.1	-9.6	-13.5
2015-Dec	-8.8	-7.5	3.6	2.7	7.4	25.8	43.9	5.4	-18.7	6.7	21.3	32.4	-14.8	-8.8
2016-Mar	7.5	-32.9	5.8	7.4	12.4	13.0	3.1	3.4	4.9	26.8	19.1	-4.5	35.2	33.1
2016-June	11.3	25.3	6.1	-4.9	14.2	14.9	21.2	6.6	19.5	14.1	33.7	6.1	5.6	11.4
2016-Sept	27.7	22.1	7.7	3.1	33.6	5.6	14.2	2.4	26.3	3.3	9.6	-5.9	-17.0	24.5
2016-Dec	26.3	15.2	6.6	5.6	41.8	32.7	74.2	0.5	22.1	3.2	25.4	-1.4	-2.5	25.5
2017-Mar	1.3	9.5	2.1	19.4	50.3	14.2	163.8	7.8	-46.6	10.7	55.9	-17.7	-72.1	-2.0

Table 3(b): GDP by Industry - Percentage change from same quarter of previous year - Current Prices

Quarter	Real Estate	Professional, Scientific & Technical	Administrative & Support	Public administration	Education	Human Health & Social work	Arts, Entertainment & Recreation	Other services	Households as employers	FISIM	All indust. at basic prices	Taxes on products	GDP at market prices
2012-Mar	30.0	46.3	24.5	76.5	26.7	26.8	78.7	4.7	37.3	14.4	16.5	23.4	17.2
2012-June	28.7	44.7	30.2	36.7	5.2	37.5	97.6	12.4	37.3	7.7	18.6	30.0	19.9
2012-Sept	23.1	33.2	1.0	83.9	24.8	37.2	17.5	-5.2	37.3	15.4	14.1	17.6	14.4
2012-Dec	10.3	35.3	2.0	-15.0	-5.5	25.0	0.7	-2.7	23.5	55.7	-1.3	18.4	0.4
2013-Mar	27.1	58.8	13.9	-31.0	-19.0	16.4	3.2	7.3	3.5	75.4	13.0	10.3	12.7
2013-June	26.5	73.2	6.3	4.7	7.8	5.2	-0.4	5.8	3.5	111.2	13.0	-6.3	10.8
2013-Sept	28.9	72.2	-6.3	7.8	17.3	2.3	-3.7	4.2	3.5	99.3	14.4	15.9	14.6
2013-Dec	45.7	82.0	10.6	93.6	62.9	4.1	15.5	25.8	3.5	65.2	38.3	32.7	37.7
2014-Mar	35.4	21.0	3.4	14.0	40.1	3.2	4.2	17.5	3.2	48.0	20.8	28.7	21.7
2014-June	34.5	12.8	7.0	-16.3	28.9	3.0	11.0	20.6	3.2	29.9	17.5	42.7	20.0
2014-Sept	33.0	123.3	12.5	-1.5	29.6	12.3	-7.5	6.1	54.8	19.8	17.4	15.8	17.2
2014-Dec	18.2	104.4	-14.9	-21.9	2.5	6.9	3.8	12.5	54.8	10.9	5.6	1.7	5.2
2015-Mar	8.9	98.9	8.2	-2.1	5.9	9.2	-0.2	5.2	54.8	3.6	15.7	8.8	14.9
2015-June	9.8	29.5	-5.1	13.4	5.9	25.1	13.9	17.2	54.8	-0.7	13.4	-0.8	11.7
2015-Sept	14.5	10.6	-8.9	-5.8	-0.9	9.7	37.4	36.1	3.2	-4.0	4.8	1.1	4.4
2015-Dec	15.0	-9.5	6.8	7.1	11.2	9.9	13.1	18.2	3.2	4.2	3.0	-1.6	2.5
2016-Mar	14.1	10.1	11.0	-2.8	11.3	12.7	9.9	16.3	3.2	21.2	10.8	-2.5	9.3
2016-June	16.0	54.0	43.5	1.3	9.6	7.4	37.1	38.3	3.2	-12.6	13.3	31.6	15.2
2016-Sept	14.1	9.0	69.6	-2.3	7.5	0.3	-7.0	1.5	3.2	-6.2	11.5	28.5	13.1
2016-Dec	15.1	17.2	54.2	-2.2	6.8	0.9	0.8	7.9	3.2	-2.3	17.0	34.2	18.6
2017-Mar	14.6	-4.2	12.2	3.5	8.7	8.6	55.2	56.4	3.2	-19.1	2.1	12.2	3.2

Table 4(a): GDP by Industry - Percentage change from same quarter of previous year - Constant Prices

Quarter	Crops	Livestock	Forestry	Fishing	Mining and quarrying	Manufacturing	Electricity	Water supply	Construction	Wholesale and retail trade	Accommodation and food services	Transport and Storage	Information and Communication	Financial and Insurance
2012-Mar	-28.9	8.0	4.4	3.1	39.8	0.3	11.8	2.1	16.5	-10.3	0.0	18.4	18.1	7.4
2012-June	-28.9	7.1	3.9	11.3	16.9	10.3	10.7	8.8	6.4	0.5	23.3	10.6	26.9	2.8
2012-Sept	-15.6	6.5	3.6	14.7	4.2	0.6	8.9	3.6	19.8	-6.0	1.3	22.3	-6.9	3.3
2012-Dec	-5.0	5.4	3.6	-15.9	-2.8	3.6	6.6	0.3	-5.1	-23.1	-7.7	9.1	11.0	17.2
2013-Mar	36.0	4.2	3.1	0.6	-10.8	7.7	-0.6	8.9	2.2	10.2	16.4	9.6	-20.8	6.2
2013-June	10.3	4.7	3.6	4.8	-3.2	-1.9	7.7	4.1	20.5	-9.2	7.9	8.4	-15.9	12.9
2013-Sept	21.0	5.5	3.6	1.0	1.3	10.8	4.2	0.3	-35.9	-6.2	-8.4	8.1	6.5	6.2
2013-Dec	24.5	5.8	3.6	8.4	-0.9	10.9	1.9	10.9	40.8	18.2	24.6	11.4	-18.8	-3.7
2014-Mar	-9.6	7.1	3.8	7.0	1.2	7.9	5.4	5.3	18.4	4.1	8.2	2.4	43.8	2.8
2014-June	1.3	7.5	3.8	4.5	3.6	13.4	1.7	5.0	-24.2	20.0	7.4	12.1	36.1	9.7
2014-Sept	-4.6	7.5	4.0	7.6	10.2	5.8	5.1	4.5	46.3	7.9	7.5	-5.7	17.7	11.5
2014-Dec	-11.9	7.9	4.1	16.9	17.4	12.6	6.5	4.5	-11.3	19.7	4.8	19.0	3.6	18.3
2015-Mar	5.0	7.6	4.3	17.1	33.9	10.6	7.8	3.4	44.9	-0.6	1.7	13.6	23.1	18.0
2015-June	-1.2	7.7	3.9	14.7	10.6	6.6	8.7	5.5	49.5	-0.8	12.4	2.8	7.7	10.8
2015-Sept	-6.5	7.7	3.9	8.8	2.9	9.9	2.9	8.3	-15.2	11.1	19.3	17.3	-0.1	7.7
2015-Dec	-6.6	7.1	3.8	-2.9	-0.5	8.9	7.5	5.7	-23.9	-4.0	9.9	-8.9	-2.9	9.2
2016-Mar	-3.0	8.0	3.9	6.3	3.9	5.4	3.0	4.0	-2.5	14.4	6.1	2.0	-1.4	30.7
2016-June	1.2	7.3	3.9	4.2	8.9	6.6	5.0	6.8	14.4	5.5	20.7	10.1	7.7	-1.6
2016-Sept	13.1	6.8	4.5	-2.9	27.5	10.3	13.4	3.2	22.5	-1.4	0.0	10.3	15.5	3.5
2016-Dec	13.7	6.5	4.7	3.9	35.0	3.2	11.6	7.4	19.1	3.1	14.9	4.9	18.9	3.8
2017-Mar	-2.2	6.1	4.2	2.5	3.2	13.6	16.9	6.3	-1.6	12.0	48.8	2.1	-7.5	-14.5

Table 4(b): GDP by Industry - Percentage change from same quarter of previous year - Constant Prices

Quarter	Real Estate	Professional, Scientific & Technical	Administrative & Support	Public administration	Education	Human Health & Social work	Arts, Entertainment & Recreation	Other services	Households as employers	FISIM	All indust. at basic prices	Taxes on products	GDP at market prices
2012-Mar	6.6	29.4	7.4	11.3	1.7	6.8	4.1	3.8	3.2	9.2	1.9	20.8	3.7
2012-June	6.6	25.8	33.6	12.2	2.3	2.1	15.3	11.5	3.2	-0.6	3.9	41.8	6.9
2012-Sept	6.6	14.7	-1.4	13.9	3.3	-0.3	-8.3	-6.6	3.2	-2.6	4.1	22.7	5.8
2012-Dec	6.6	16.2	-6.1	10.6	3.9	1.3	-4.7	-3.5	3.2	13.8	-1.7	47.2	3.3
2013-Mar	6.7	38.2	9.8	6.3	1.4	-0.7	6.2	5.7	3.2	7.7	8.0	28.6	10.2
2013-June	6.7	50.8	-11.3	5.6	1.4	2.1	2.6	2.7	3.2	19.7	4.9	-2.1	4.2
2013-Sept	6.7	49.3	-0.4	6.7	1.5	3.5	-0.7	-0.1	3.2	14.4	-0.9	32.8	2.7
2013-Dec	6.7	53.9	23.1	2.2	5.8	7.2	20.0	17.0	3.2	2.3	13.4	1.6	11.7
2014-Mar	6.7	1.5	5.6	7.8	8.5	9.5	8.8	7.9	3.2	8.1	6.8	48.7	12.1
2014-June	6.8	-2.9	9.3	4.6	11.6	8.8	15.3	11.8	3.2	10.5	4.7	17.0	5.9
2014-Sept	6.8	91.2	-8.0	12.5	8.4	8.1	-3.6	-2.5	3.2	11.3	9.5	-3.8	7.7
2014-Dec	6.8	84.0	3.4	18.4	3.2	3.3	6.9	6.2	3.2	15.5	5.9	-18.8	2.6
2015-Mar	6.8	87.6	2.1	15.8	2.9	1.8	1.4	1.6	3.2	17.5	13.3	-9.1	9.6
2015-June	6.8	20.9	10.0	19.5	2.1	2.1	16.2	12.8	3.2	13.6	11.7	-1.8	10.3
2015-Sept	6.9	4.5	29.9	11.2	4.0	2.0	39.8	33.0	3.2	10.5	5.6	-5.0	4.3
2015-Dec	6.9	-16.3	12.0	7.6	5.0	-5.1	15.9	13.9	3.2	13.8	-0.3	24.6	2.3
2016-Mar	6.9	0.7	8.0	10.0	9.1	2.0	13.0	11.5	3.2	38.8	5.4	2.8	5.0
2016-June	6.9	40.6	28.8	10.7	7.4	2.4	41.2	32.2	3.2	-0.8	8.7	9.2	8.7
2016-Sept	6.9	-0.8	-3.2	9.4	6.8	2.2	-4.0	-3.0	3.2	3.8	8.0	17.4	9.1
2016-Dec	6.9	7.4	2.0	6.3	6.4	9.1	3.8	3.7	3.2	4.8	9.0	-29.0	4.2
2017-Mar	7.0	-11.1	49.6	2.7	5.6	0.6	59.3	51.5	3.2	-17.1	8.3	-5.7	6.3

Table 5 (a): GDP by Industry - Percentage shares of total GDP

Quarter	Crops	Livestock	Forestry	Fishing	Mining and quarrying	Manufacturing	Electricity	Water supply	Construction	Wholesale and retail trade	Accommodation and food services	Transport and Storage	Information and Communication	Financial and Insurance
2012-Mar	7.9	2.9	2.7	4.9	1.9	7.9	0.4	0.4	9.2	7.3	8.9	5.3	3.9	4.5
2012-June	8.9	3.1	2.7	5.4	1.5	8.3	0.3	0.4	10.7	8.1	5.5	5.3	4.1	4.4
2012-Sept	9.0	2.7	2.5	5.1	1.6	7.3	0.3	0.4	12.4	7.5	8.9	5.2	2.9	4.2
2012-Dec	13.4	2.7	2.4	4.2	1.6	7.3	0.3	0.4	7.1	6.8	7.2	4.9	3.8	4.4
2013-Mar	9.8	2.7	2.5	4.5	1.6	7.8	0.4	0.4	8.5	7.3	9.4	5.3	2.8	4.3
2013-June	9.4	3.1	2.7	5.4	1.4	7.8	0.4	0.4	12.3	7.1	5.7	5.5	3.3	4.8
2013-Sept	10.6	2.8	2.5	5.1	1.6	7.8	0.3	0.4	7.7	6.8	8.0	5.4	3.0	4.4
2013-Dec	14.9	2.6	2.3	4.1	1.4	7.3	0.3	0.4	8.9	7.1	8.1	4.9	2.8	3.8
2014-Mar	7.9	2.6	2.3	4.3	1.4	7.5	0.3	0.4	9.0	6.7	9.0	4.9	3.6	3.9
2014-June	9.0	3.1	2.7	5.4	1.4	8.3	0.3	0.4	8.8	8.0	5.8	5.8	4.2	5.0
2014-Sept	9.4	2.8	2.4	5.0	1.6	7.7	0.3	0.4	10.5	6.8	8.0	4.8	3.3	4.5
2014-Dec	12.8	2.7	2.3	4.6	1.6	8.0	0.3	0.4	7.7	8.3	8.2	5.7	2.8	4.4
2015-Mar	7.6	2.6	2.2	4.6	1.7	7.5	0.3	0.4	11.9	6.1	8.4	5.0	4.1	4.3
2015-June	8.1	3.1	2.5	5.6	1.4	8.1	0.3	0.4	12.0	7.2	5.9	5.4	4.1	5.0
2015-Sept	8.4	2.9	2.4	5.3	1.6	8.1	0.3	0.4	8.5	7.3	9.1	5.3	3.1	4.7
2015-Dec	11.7	2.8	2.3	4.4	1.6	8.5	0.3	0.4	5.8	7.8	8.9	5.1	2.7	4.7
2016-Mar	6.9	2.6	2.2	4.7	1.7	7.6	0.3	0.4	11.1	6.7	8.5	4.9	3.8	5.3
2016-June	7.5	3.0	2.4	5.4	1.4	7.9	0.3	0.4	12.6	7.0	6.6	5.5	4.0	4.5
2016-Sept	8.8	2.8	2.3	4.7	1.9	8.2	0.3	0.4	9.6	6.6	8.3	5.4	3.3	4.4
2016-Dec	12.9	2.9	2.3	4.4	2.0	8.4	0.4	0.4	6.6	7.7	9.7	5.1	3.1	4.6
2017-Mar	6.4	2.6	2.2	4.5	1.7	8.1	0.4	0.4	10.2	7.0	11.9	4.7	3.3	4.3

Table 5 (b): GDP by Industry - Percentage shares of total GDP

Quarter	Real Estate	Professional, Scientific & Technical	Administrative & Support	Public administration	Education	Human Health & Social work	Arts, Entertainment & Recreation	Other services	Households as employers	FISIM	All indust. at basic prices	Taxes on products	GDP at market prices
2012-Mar	5.9	0.2	0.8	10.4	2.6	1.1	0.4	0.7	0.1	-1.2	89.1	10.9	100.0
2012-June	6.1	0.2	0.6	10.8	2.6	1.0	0.2	0.4	0.1	-1.2	89.6	10.4	100.0
2012-Sept	5.6	0.2	0.7	9.8	2.3	0.9	0.4	0.6	0.1	-1.1	89.5	10.5	100.0
2012-Dec	5.4	0.2	0.6	9.7	2.3	0.9	0.3	0.6	0.1	-1.2	85.5	14.5	100.0
2013-Mar	5.7	0.2	0.8	10.0	2.4	1.0	0.4	0.7	0.1	-1.2	87.3	12.7	100.0
2013-June	6.2	0.3	0.5	11.0	2.5	1.0	0.2	0.4	0.1	-1.3	90.2	9.8	100.0
2013-Sept	5.8	0.2	0.7	10.1	2.3	1.0	0.3	0.6	0.1	-1.2	86.4	13.6	100.0
2013-Dec	5.2	0.2	0.7	8.8	2.1	0.9	0.4	0.6	0.1	-1.1	86.8	13.2	100.0
2014-Mar	5.4	0.2	0.7	9.6	2.3	0.9	0.4	0.7	0.1	-1.1	83.2	16.8	100.0
2014-June	6.3	0.2	0.5	10.8	2.6	1.1	0.2	0.4	0.1	-1.4	89.2	10.8	100.0
2014-Sept	5.7	0.4	0.6	10.6	2.3	1.0	0.3	0.5	0.1	-1.3	87.9	12.1	100.0
2014-Dec	5.4	0.4	0.7	10.2	2.2	0.9	0.4	0.6	0.1	-1.2	89.6	10.4	100.0
2015-Mar	5.3	0.4	0.7	10.2	2.1	0.9	0.4	0.6	0.1	-1.2	86.0	14.0	100.0
2015-June	6.1	0.3	0.5	11.7	2.4	1.0	0.2	0.4	0.1	-1.4	90.4	9.6	100.0
2015-Sept	5.9	0.4	0.7	11.3	2.3	0.9	0.4	0.7	0.1	-1.3	89.0	11.0	100.0
2015-Dec	5.7	0.3	0.8	10.7	2.2	0.8	0.4	0.7	0.1	-1.3	87.3	12.7	100.0
2016-Mar	5.4	0.4	0.7	10.5	2.2	0.8	0.4	0.7	0.1	-1.6	86.3	13.7	100.0
2016-June	6.0	0.4	0.6	11.8	2.4	0.9	0.3	0.5	0.1	-1.3	90.3	9.7	100.0
2016-Sept	5.7	0.3	0.7	11.3	2.3	0.9	0.4	0.6	0.1	-1.3	88.1	11.9	100.0
2016-Dec	5.8	0.3	0.7	11.2	2.2	0.9	0.4	0.7	0.1	-1.3	91.4	8.6	100.0
2017-Mar	5.4	0.3	1.0	10.2	2.2	0.8	0.6	0.9	0.1	-1.2	87.8	12.2	100.0

Table 6(a): GDP by Industry - Percentage contributions to change in GDP - Constant Prices

Quarter	Crops	Livestock	Forestry	Fishing	Mining and quarrying	Manufacturing	Electricity	Water supply	Construction	Wholesale and retail trade	Accommodation and food services	Transport and Storage	Information and Communication	Financial and Insurance
2012-Mar	-3.3	0.2	0.1	0.2	0.6	0.0	0.0	0.0	1.3	-0.9	0.0	0.9	0.6	0.3
2012-June	-3.9	0.2	0.1	0.6	0.2	0.8	0.0	0.0	0.7	0.0	1.1	0.5	0.9	0.1
2012-Sept	-1.8	0.2	0.1	0.7	0.1	0.0	0.0	0.0	2.2	-0.5	0.1	1.0	-0.2	0.1
2012-Dec	-0.7	0.1	0.1	-0.8	0.0	0.3	0.0	0.0	-0.4	-2.1	-0.6	0.4	0.4	0.7
2013-Mar	2.9	0.1	0.1	0.0	-0.2	0.6	0.0	0.0	0.2	0.7	1.5	0.5	-0.8	0.3
2013-June	0.9	0.1	0.1	0.3	0.0	-0.2	0.0	0.0	2.2	-0.7	0.4	0.4	-0.6	0.6
2013-Sept	1.9	0.1	0.1	0.0	0.0	0.8	0.0	0.0	-4.4	-0.5	-0.8	0.4	0.2	0.3
2013-Dec	3.3	0.2	0.1	0.4	0.0	0.8	0.0	0.0	2.9	1.2	1.8	0.6	-0.7	-0.2
2014-Mar	-0.9	0.2	0.1	0.3	0.0	0.6	0.0	0.0	1.6	0.3	0.8	0.1	1.2	0.1
2014-June	0.1	0.2	0.1	0.2	0.1	1.0	0.0	0.0	-3.0	1.4	0.4	0.7	1.2	0.5
2014-Sept	-0.5	0.2	0.1	0.4	0.2	0.5	0.0	0.0	3.6	0.5	0.6	-0.3	0.5	0.5
2014-Dec	-1.8	0.2	0.1	0.7	0.2	0.9	0.0	0.0	-1.0	1.4	0.4	0.9	0.1	0.7
2015-Mar	0.4	0.2	0.1	0.7	0.5	0.8	0.0	0.0	4.0	0.0	0.2	0.7	0.8	0.7
2015-June	-0.1	0.2	0.1	0.8	0.1	0.6	0.0	0.0	4.4	-0.1	0.7	0.2	0.3	0.5
2015-Sept	-0.6	0.2	0.1	0.4	0.0	0.8	0.0	0.0	-1.6	0.8	1.5	0.8	0.0	0.4
2015-Dec	-0.8	0.2	0.1	-0.1	0.0	0.7	0.0	0.0	-1.8	-0.3	0.8	-0.5	-0.1	0.4
2016-Mar	-0.2	0.2	0.1	0.3	0.1	0.4	0.0	0.0	-0.3	0.9	0.5	0.1	-0.1	1.3
2016-June	0.1	0.2	0.1	0.2	0.1	0.5	0.0	0.0	1.7	0.4	1.2	0.5	0.3	-0.1
2016-Sept	1.1	0.2	0.1	-0.2	0.4	0.8	0.0	0.0	1.9	-0.1	0.0	0.6	0.5	0.2
2016-Dec	1.6	0.2	0.1	0.2	0.5	0.3	0.0	0.0	1.1	0.2	1.3	0.2	0.5	0.2
2017-Mar	-0.2	0.2	0.1	0.1	0.1	1.0	0.1	0.0	-0.2	0.8	4.1	0.1	-0.3	-0.8

Table 6(b): GDP by Industry - Percentage contributions to change in GDP - Constant Prices

Quarter	Real Estate	Professional, Scientific & Technical	Administrative & Support	Public administration	Education	Human Health & Social work	Arts, Entertainment & Recreation	Other services	Households as employers	FISIM	All indust. at basic prices	Taxes on products	GDP at market prices
2012-Mar	0.4	0.0	0.1	1.1	0.0	0.1	0.0	0.0	0.0	-0.1	1.7	1.9	3.7
2012-June	0.4	0.0	0.1	1.3	0.1	0.0	0.0	0.0	0.0	0.0	3.6	3.3	6.9
2012-Sept	0.4	0.0	0.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0	3.7	2.1	5.8
2012-Dec	0.3	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	-0.1	-1.5	4.8	3.3
2013-Mar	0.4	0.1	0.1	0.7	0.0	0.0	0.0	0.0	0.0	-0.1	7.1	3.1	10.2
2013-June	0.4	0.1	-0.1	0.6	0.0	0.0	0.0	0.0	0.0	-0.2	4.4	-0.2	4.2
2013-Sept	0.4	0.1	0.0	0.7	0.0	0.0	0.0	0.0	0.0	-0.2	-0.8	3.4	2.7
2013-Dec	0.4	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	11.4	0.2	11.7
2014-Mar	0.4	0.0	0.0	0.8	0.2	0.1	0.0	0.1	0.0	-0.1	6.0	6.2	12.1
2014-June	0.4	0.0	0.0	0.5	0.3	0.1	0.0	0.0	0.0	-0.1	4.3	1.7	5.9
2014-Sept	0.4	0.2	-0.1	1.3	0.2	0.1	0.0	0.0	0.0	-0.1	8.2	-0.5	7.7
2014-Dec	0.4	0.2	0.0	1.6	0.1	0.0	0.0	0.0	0.0	-0.2	5.1	-2.5	2.6
2015-Mar	0.4	0.2	0.0	1.5	0.1	0.0	0.0	0.0	0.0	-0.2	11.1	-1.5	9.6
2015-June	0.4	0.1	0.0	2.1	0.1	0.0	0.0	0.1	0.0	-0.2	10.5	-0.2	10.3
2015-Sept	0.4	0.0	0.2	1.2	0.1	0.0	0.1	0.2	0.0	-0.1	4.9	-0.6	4.3
2015-Dec	0.4	-0.1	0.1	0.8	0.1	0.0	0.1	0.1	0.0	-0.2	-0.3	2.6	2.3
2016-Mar	0.4	0.0	0.1	1.0	0.2	0.0	0.0	0.1	0.0	-0.5	4.6	0.4	5.0
2016-June	0.4	0.1	0.1	1.2	0.2	0.0	0.1	0.1	0.0	0.0	7.9	0.9	8.7
2016-Sept	0.4	0.0	0.0	1.1	0.2	0.0	0.0	0.0	0.0	-0.1	7.1	1.9	9.1
2016-Dec	0.4	0.0	0.0	0.7	0.1	0.1	0.0	0.0	0.0	-0.1	7.9	-3.7	4.2
2017-Mar	0.4	0.0	0.4	0.3	0.1	0.0	0.2	0.3	0.0	0.3	7.1	-0.8	6.3