



# Nigerian Gross Domestic Product Report

(Q4 2016)

**Report Date: February 2017**

*Data Source: National Bureau of Statistics*



**NATIONAL BUREAU OF STATISTICS**



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# Preface

This publication provides data on Quarterly Gross Domestic Product (GDP) estimates for the four quarters of 2015, the annual figure for 2015 and estimates for the first, second, third and fourth quarters of 2016.

Quarterly National Accounts (QNA) are integrated system of macroeconomic accounts designed to describe the entire system of production in a nation on a quarterly basis. They provide a picture of the current economic status of the economy that is more timely and frequent than that provided by Annual National Accounts (ANA). The key attribute of QNA is that they provide a reasonable level of detail of the economy that help government to assess, analyze, and monitor economic growth on a regular basis.

QNA adopts the same concepts, definitions and structure as ANA. In principle QNA covers the entire sequence of accounts and balance sheets as reflected in the 2008 System of National Accounts (2008 SNA).

Data for this analysis were obtained from the Quarterly Establishment Survey (QES) conducted by the National Bureau of Statistics (NBS). This series covers major aggregates of quarterly GDP by kind of economic activities at current and constant (2010) prices.

We are grateful to the various agencies and establishments that made their data available as input to the estimates.

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February, 2017.



# Introduction

The National Bureau of Statistics (NBS), has been conducting Establishment Surveys to provide data for the estimation of the Gross Domestic Product (GDP) for the country. In 2008, NBS started to improve the GDP series by conducting Quarterly Establishment Surveys (QES) for the four quarters of each year to complement the annual surveys which normally take place in the first and second quarters of the succeeding year.

In 2016, the National Bureau of Statistics (NBS) conducted the Quarterly Establishment Surveys for the first three quarters of 2016 (Q1-Q3, 2016), while the fourth quarter survey for 2016 was conducted in 2017. These surveys produced the data that was used for the compilation of the quarterly GDP for the four quarters of 2016 (Q1 - Q4, 2016).

In subsequent sections of this report, emphasis will be given to the composition of GDP in the Fourth quarter of 2016 and the corresponding quarter in 2015.

# Overview of GDP in Q4 2016

In the fourth quarter of 2016, the nation's Gross Domestic Product (GDP) contracted by -1.30% (year-on-year) in real terms, from N18,533.75 billion in Q4 2015 to N18,292.95 billion in Q4 2016. This decline was less severe than the decline recorded in the previous quarter, of -2.24%, but was nevertheless lower than the growth rate recorded in the final quarter of 2015, of 2.11% (see Fig. 1). Quarter on quarter, real GDP increased by 4.09%, which partly reflects seasonal factors as well as a rise in the general price level.

For the full year 2016, therefore GDP contracted by -1.51%, indicating real GDP of N67,984.20 billion for the year. This contraction reflects a difficult year for Nigeria, which included weaker inflation-induced consumption demand, an increase in pipeline vandalism, significantly reduced foreign reserves and a concomitantly weaker currency, and problems in the energy sector such as fuel shortages and lower electricity generation.

Nominal GDP was N29,292,998.54 million at basic prices in the fourth quarter of 2016, which represents year on year nominal growth of 12.97%. In contrast to real growth, this is 5.84% points higher than the rate recorded in the same quarter of 2015, implying that the GDP deflator increased faster than the earlier period. For full year 2016, aggregate nominal GDP stood at N101,598,482.13 compared to N94,144,960.45. The Nigerian economy can be more clearly understood according to the oil and non-oil sector classifications.

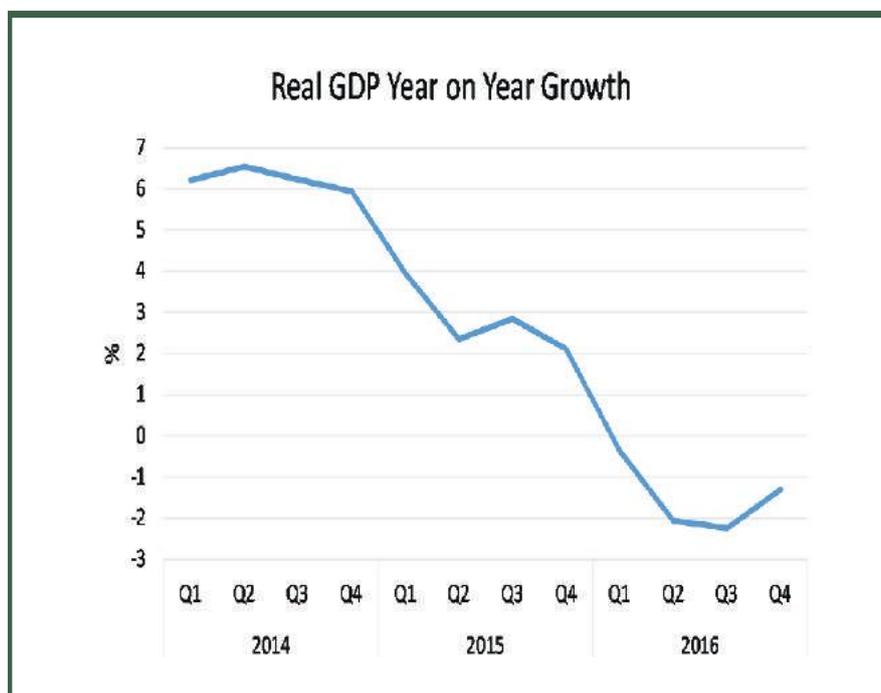


Figure 1: Real GDP Growth

# The Oil Sector

During the period under review, Oil production was estimated at 1.90million barrels per day (mbpd). This was 0.27million barrels per day higher than production in the previous quarter, but lower than production in the same quarter of 2015 by 0.25million barrels per day, when output was recorded at 2.16mbpd. (Figure2).

For the full year 2016, oil production was estimated to be 1.833mb/day, compared to 2.13mb/day in 2015. This reduction has largely been attributed to vandalism in the Niger Delta region. As a result, the sector contracted by -13.65%; a more significant decline than that in 2015 of -5.45%. This reduced the oil sectors share of real GDP to 8.42% in 2016, compared to 9.61% in 2015.

In the fourth quarter of 2016 this sector declined by -12.38% in real term (year-on-year). This was an improvement relative to the previous quarter, when the sector declined by -22.01%, but nevertheless was a more severe decline than in the fourth quarter of 2015, when a contraction of -8.23% was recorded. Quarter-on-Quarter, real oil GDP grew 8.07%. As a share of the economy, the Oil sector represented 7.15% of total real GDP, compared to 8.06% in Q4 2015 and 8.19% in Q3 2016.

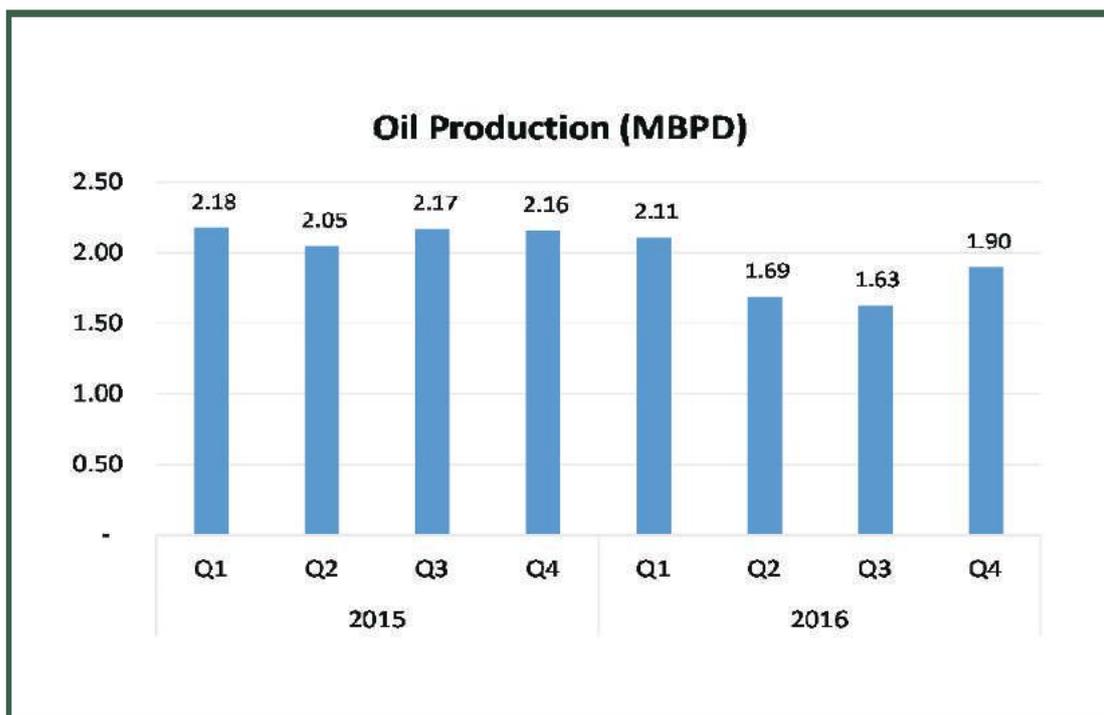


Figure 2: Crude Oil Output (MBPD)

## The Non-Oil Sector

The non-oil sector declined by -0.33% in real terms in the fourth quarter of 2016. This was 0.36% points lower than growth of 0.03% recorded in Q3 2016, and 3.46% points lower than the 3.14% growth recorded in Q4 2015. Given that the growth rate was stronger than in the oil sector, the non-oil sector increased its share of GDP to 92.85%, from 91.94% in the fourth quarter of 2015.

The sector to weigh on non-oil growth the most was Real Estate, which declined by -9.27% and contributed to -0.77% points to year on year growth in total real GDP. However, Manufacturing, Construction and Trade also made significant downwards contributions, ameliorated slightly by continuing strong growth in Agriculture (especially Crop Production).

For full year 2016, the non oil sector declined by -0.22% in real terms, compared to a growth rate of 3.75% in 2015, a difference of 3.97% points.

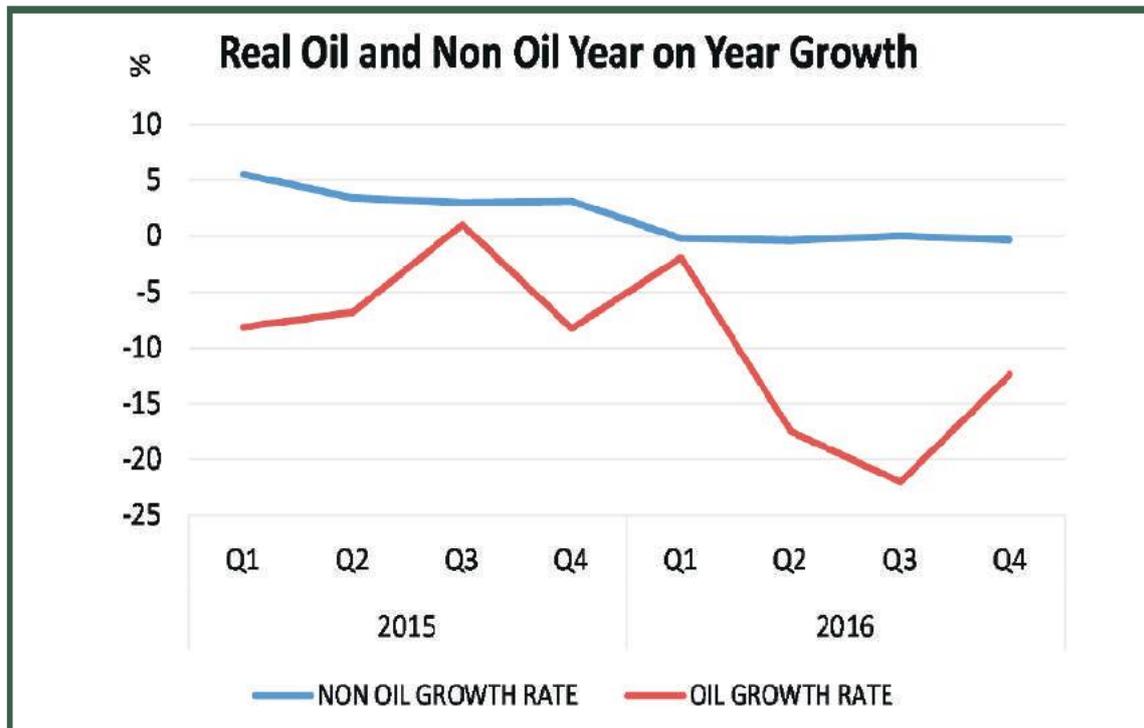


Figure 3: Crude Oil and Non-Oil Growth

# GDP REPORT Q42016

## REAL QUARTERLY GDP GROWTH FOR Q4 2016 AT

# -1.30%

(FROM -2.24%)

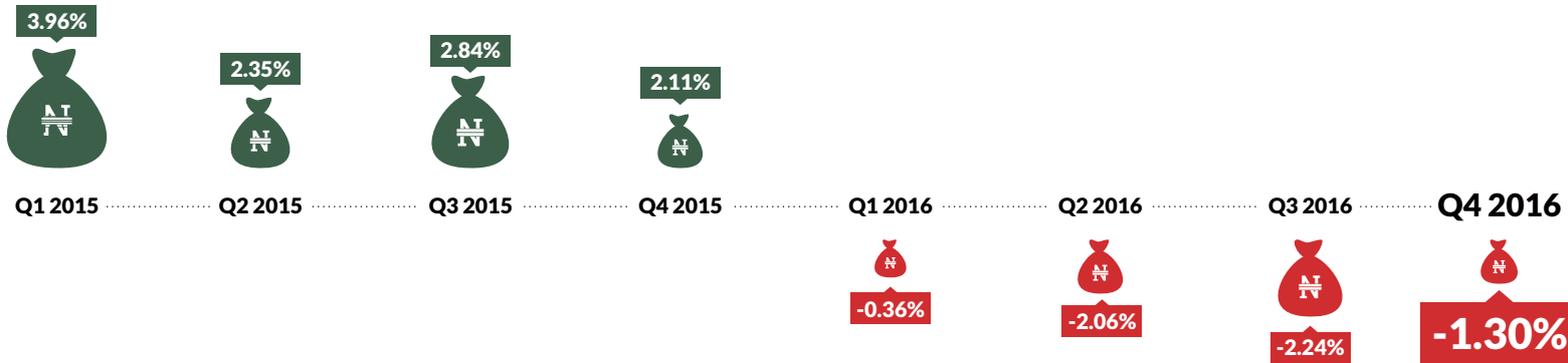
NOMINAL GDP  
(Q4 2016)

**N29.3 Trillion**

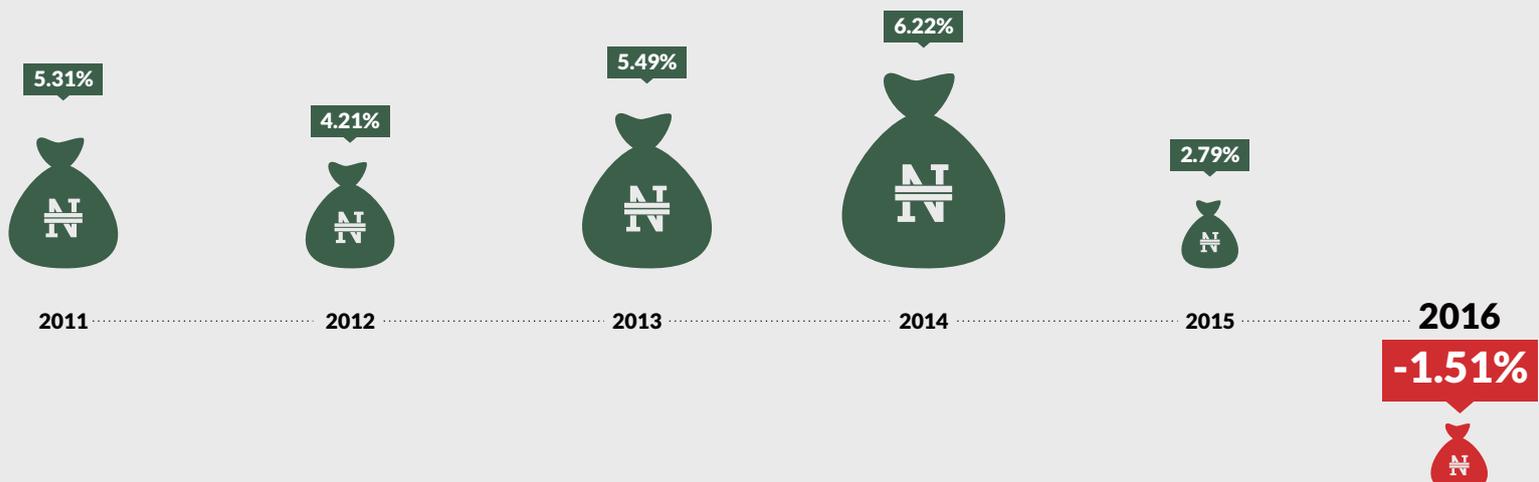
REAL GDP  
(Q4 2016)

**N18.3 Trillion**

## GDP REPORT Q4 2016

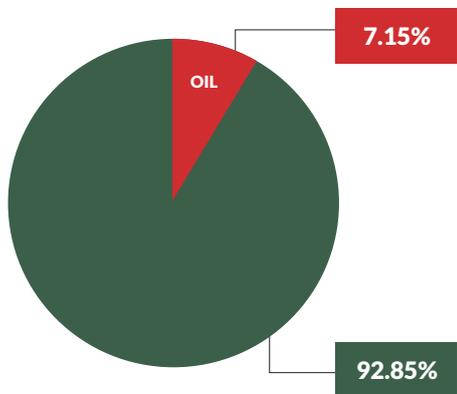


## YEARLY GDP GROWTH RATE



# GDP REPORT Q4 2016

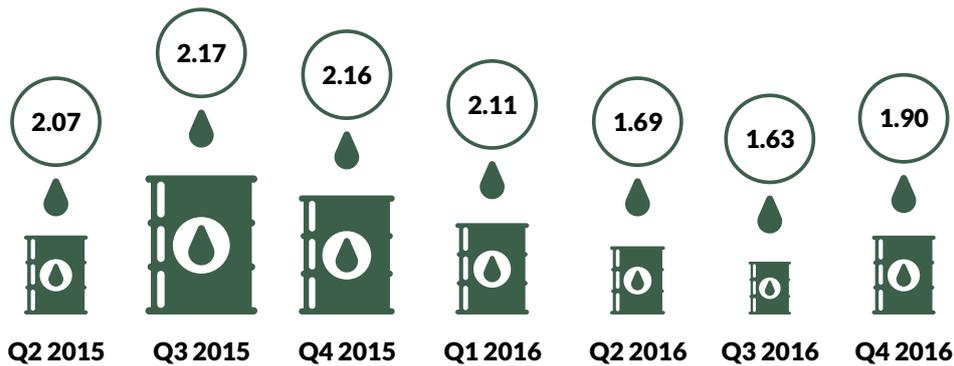
## CONTRIBUTION OF OIL AND NON-OIL SECTORS



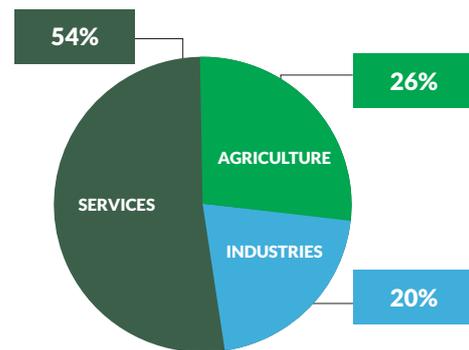
## REAL GDP GROWTH RATE OF OIL AND NON-OIL SECTORS

	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016
OIL GDP	(8.28)	(1.89)	(17.48)	(22.01)	(12.38)
NON-OIL GDP	3.14	(0.18)	(0.38)	0.03	(0.33)

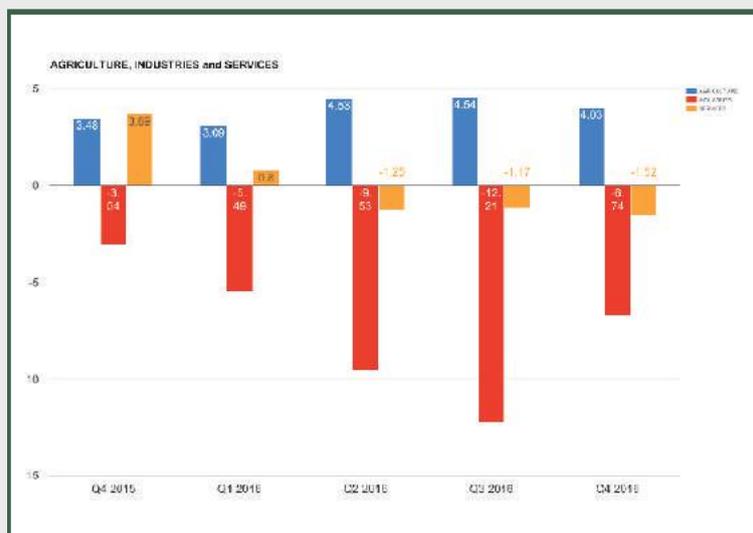
## OIL PRODUCTION (MBPD)



## CONTRIBUTION TO REAL GDP Q4 2016 (%)



## REAL GROWTH RATE BY SECTOR (%) YEAR ON YEAR



## REAL GROWTH RATE BY SECTOR (%) YEAR ON YEAR



## Mining & Quarrying

Four sub-activities make up the Mining & Quarrying sector: Crude Petroleum and Natural Gas, Coal Mining, Metal ore and Quarrying and other Minerals. On a nominal basis, the sector grew in the Fourth Quarter of 2016 by 54.68% (year on year). This was substantially above the growth rate recorded in the corresponding quarter of 2015, when a contraction of -35.12% was recorded. This increase may be attributable in part to negotiations with militant groups in the Niger Delta region, who had been vandalizing oil infrastructure, but who reduced their attacks in the fourth quarter following these series of negotiations.

Coal mining and Metal ore activities in nominal terms, recorded growth rates of 14.16% and 24.24% respectively, significantly higher than the third quarter growth rates of 1.06% and 17.11% respectively. The Mining & Quarrying sector contributed 7.10% to overall GDP during the fourth quarter of 2016, higher than the contribution recorded in same quarter of 2015 at 5.18%, and its contribution in the preceding quarter of 6.23%.

In real terms, Mining and Quarrying sector recorded a decline of -12.04% (year-on-year) in the fourth quarter of 2016. Although this is significantly smaller decline than that recorded in the previous quarter, of 21.64%, it is nevertheless 3.99% points lower than the growth rate recorded in the same Quarter of 2015 of -8.05.

The contribution of Mining and Quarrying to Real GDP in the fourth quarter of 2016 stood at 7.32%, representing a decline of 0.89% points relative to the corresponding quarter of 2015 and also a decline of 1.02% points relative to the third quarter of 2016.

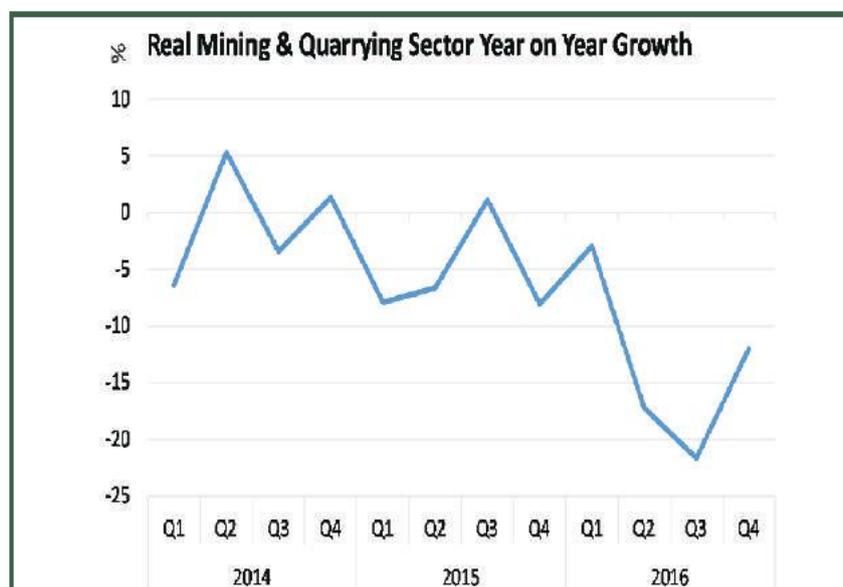


Figure 4: Mining and Quarrying real growth

# Agriculture

Agriculture is made up of four sub-activities: Crop Production, Livestock, Forestry and Fishing, although Crop Production is the largest, and accounted for 88% of the sector in the fourth quarter.

In nominal terms, the sector grew by 6.45% year-on-year. This was lower than the growth rate recorded in the corresponding quarter of 2015, and also lower than that in the preceding quarter, by 3.05 percentage points and 0.92 percentage points respectively. Growth in the sector was driven by output in Crop Production, which accounted for 87% of overall nominal growth of the sector. Agriculture contributed 21.26% to nominal GDP during the quarter under review. This was lower than shares recorded in the corresponding period of 2015 and the previous quarter at 22.56% and 24.09% respectively.

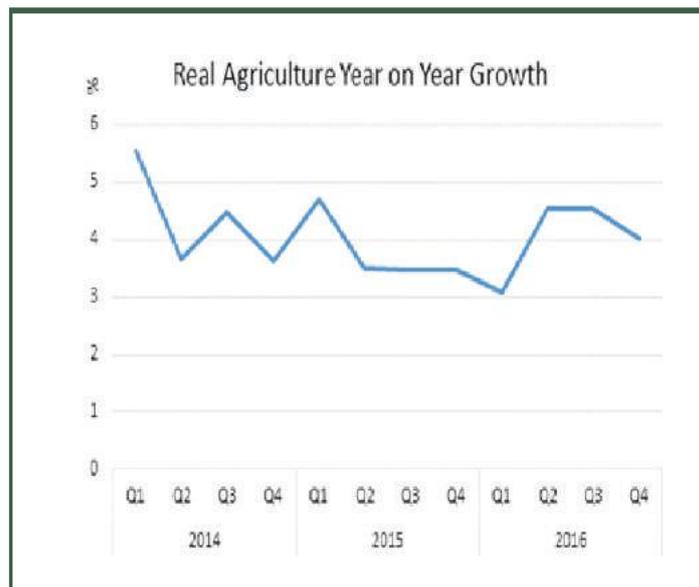


Figure 5: Agriculture real growth

Real agricultural GDP growth in the fourth quarter of 2016 was 4.03% (year-on-year), which was an increase of 0.56 percentage points compared to growth in the same quarter of 2015 of 3.48%. However, it was slightly

less than the real growth rate of 4.54% recorded in the previous quarter. In contrast to the economy as a whole, for full year 2016, real GDP in agriculture grew by 4.11%, and this growth rate was higher than that recorded in 2015 of 3.72%. The contribution of Agriculture to overall GDP in real terms was 25.49% in the quarter under review, higher than its share of 24.18% in the corresponding quarter of 2015, but less than its share in the previous quarter of 28.65%. Agriculture is highly seasonal, and its share in the third quarter is usually the highest. For 2016 as a whole, Agriculture increased its share relative to 2015, to 24.43%, due to its relatively strong growth rate.

# Manufacturing

There are thirteen activities in the Manufacturing sector; Oil Refining; Cement; Food, Beverages and Tobacco; Textile, Apparel, and Footwear; Wood and Wood products; Pulp Paper and Paper products; Chemical and Pharmaceutical products; Non-metallic Products, Plastic and Rubber products; Electrical and Electronic, Basic Metal and Iron and Steel; Motor Vehicles and Assembly; and Other Manufacturing.

Nominal GDP growth of Manufacturing in the fourth Quarter of 2016 stood at 3.56% (year-on-year), 3.37% points lower than the 6.93% recorded in the corresponding period of 2015. Growth however, reflected a significant increase relative to the third quarter of 2016 when a decline of 2.93% was recorded. On a Quarter-on-Quarter basis, the sector grew by 7.03%. Contribution of Manufacturing to Nominal GDP was 8.34% in the fourth quarter of 2016, lower than the 9.09% recorded in the corresponding period of 2015, and 8.59% in the third quarter of 2016.

**Real GDP growth in manufacturing remained negative in Q4 2016: a contraction of 2.54% was recorded (year-on-year). This was an improvement relative to the decline of 4.38% recorded in the third quarter, but still low relative to the growth of 0.38% recorded in the fourth quarter of 2015.** Just four of the 13 activities under manufacturing recorded growth in Q4 2016 compared to three in Q3 2016. Seven of the activities nevertheless, performed better than in Q3 2016. On a quarter-on-quarter basis, the sector grew by 1.89%

**For full year 2016, the manufacturing sector in real terms contracted by 4.32% compared to a decline of 1.46% recorded in 2015.** This reflects a number of challenges face by manufacturing in 2016, such as higher costs of imported inputs as a result of the exchange rate, and higher energy costs as a result of a fall in electricity generation, and more expensive fuel.

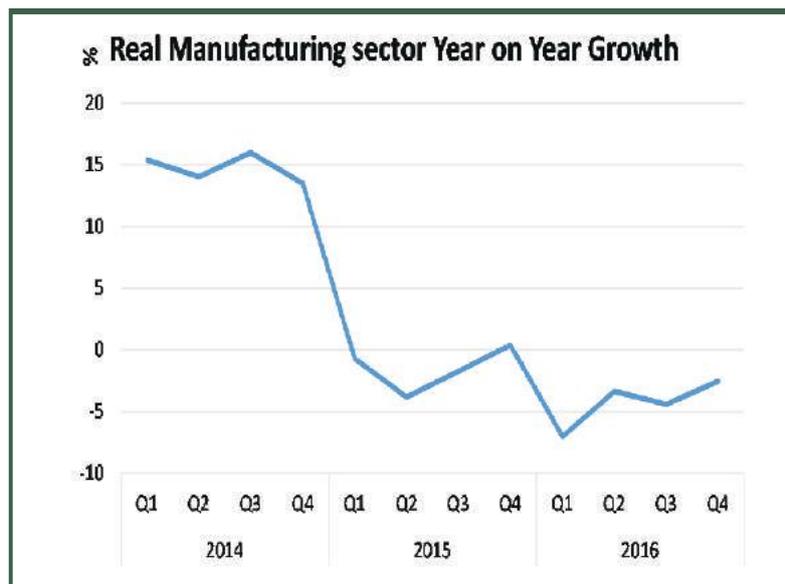


Figure 6: Manufacturing real growth

## Electricity, Gas, Steam and Air Conditioning Supply

This sector recorded nominal year on year growth of 11.18% in the fourth quarter of 2016. This is 8.74% points higher than the growth rate of 2.43% recorded in the corresponding quarter of 2015, and 7.21% points higher than the growth rate of 3.97% recorded in the third quarter of 2016. Quarter-on-Quarter, the sector grew by 62.07% in nominal terms. The contribution of Electricity, Gas, Steam and Air Conditioning Supply to Nominal GDP was 0.70% in the fourth quarter of 2016, which is lower when compared to the contribution made in the corresponding quarter of 2015 recorded at 0.71%.

In real terms, the sector declined by 5.16% in 2016 fourth quarter, which was 6.36% points lower than the corresponding period in 2015, and 1.51% points higher than in the third quarter of 2016, when the growth rate was -6.68%. Quarter-on-Quarter, the sector grew by 54.13%. The contribution of Electricity, Gas, Steam and Air Conditioning Supply to real GDP in the fourth quarter of 2016 recorded as 0.49% minimally lower than the fourth quarter of 2015 at 0.51%, but higher than rate of 0.33% contributed in the third quarter of 2016.

For the full year 2016, this sector remained a small part of total GDP, and contributed 0.57% to nominal GDP, which is slightly lower than the contribution of 0.52% in 2015. This resulted from a nominal decline of 2.24%, compared to nominal GDP growth of 7.92%

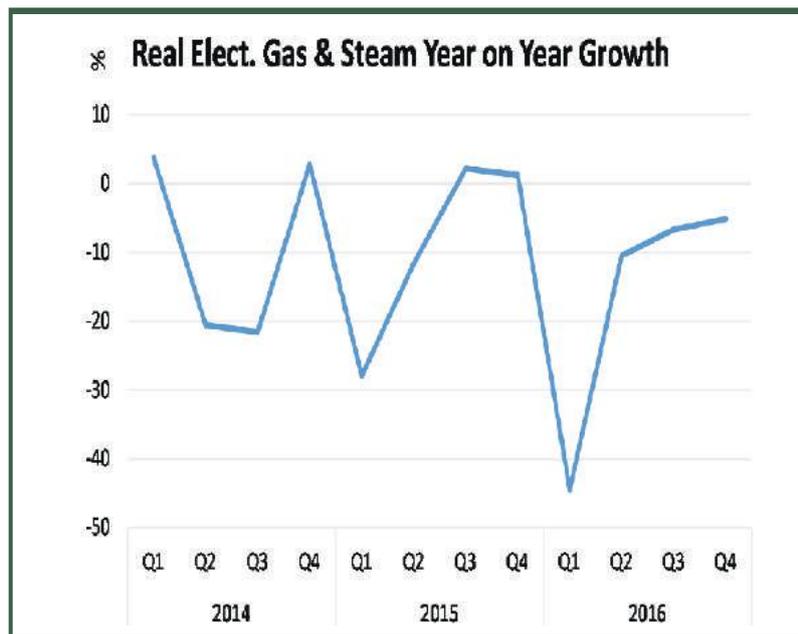


Figure 7: Elect. Gas an Steam real growth

## Construction

Construction grew by 7.66% in nominal terms (year on year) in the fourth quarter of 2016, higher than both the rate of 4.14% recorded in the same quarter of 2015, and the rate of 2.81% recorded in the previous quarter. Nominal growth quarter on quarter was 19.14%. Construction contributed 3.20% to nominal GDP in the fourth quarter of 2016, lower than the rate of 3.36% it contributed a year earlier and higher than 2.96% contributed in the previous Quarter of 2016.

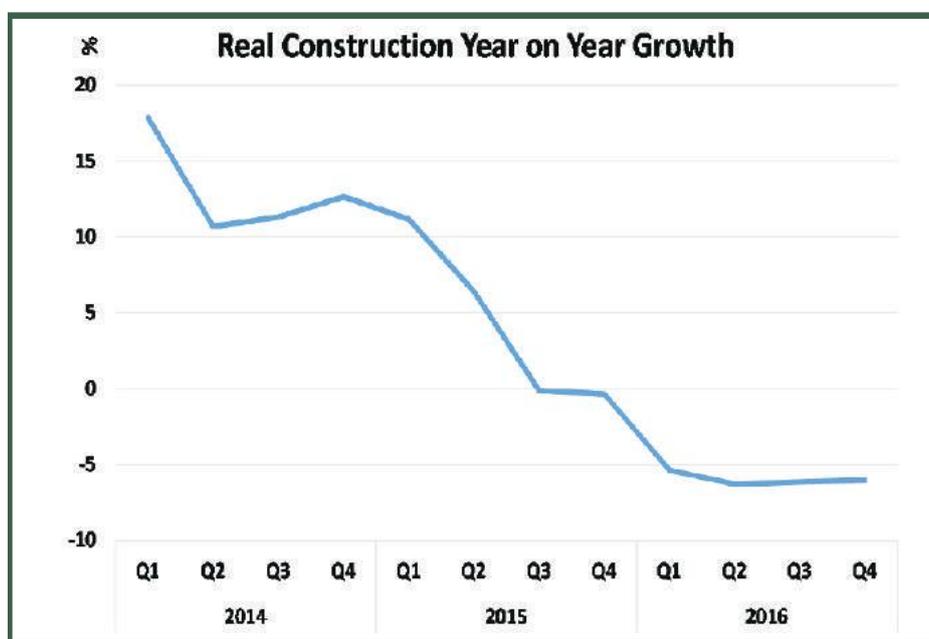


Figure 8: Construction real growth

There was a year on year decline in real Construction activity of 6.03% in the fourth quarter of 2016. This was a slightly smaller contraction than in the previous quarter, when activity declined by 6.13% year on year, but was more severe when compared to the slight decline of 0.35% in the fourth quarter of 2015. Quarter on quarter, the activity grew by 14.63% in real terms in Q4 2016. For full year 2016, construction contracted by -5.95% in real terms compared to a growth of 4.35% in 2015

The contribution of construction in real terms to total real GDP was 3.41% in the fourth quarter of 2016, marginally lower than its contribution of 3.58% in the previous year, but higher than the contribution of 3.09% recorded in the preceding quarter.

## Trade

Year on year, Trade grew by 14.58% in the fourth quarter of 2016 in nominal terms. This was 0.18% points lower than in the same quarter of the previous year, and lower by 0.79% points compared to the rate recorded in the preceding quarter. Quarter on Quarter growth was 7.12% in nominal terms. Trade's contribution to Nominal GDP in the fourth quarter stood at 19.26%. This is higher than the contribution in the same quarter of the previous year of 18.99%, but lower than in the preceding quarter recorded at 19.83%.

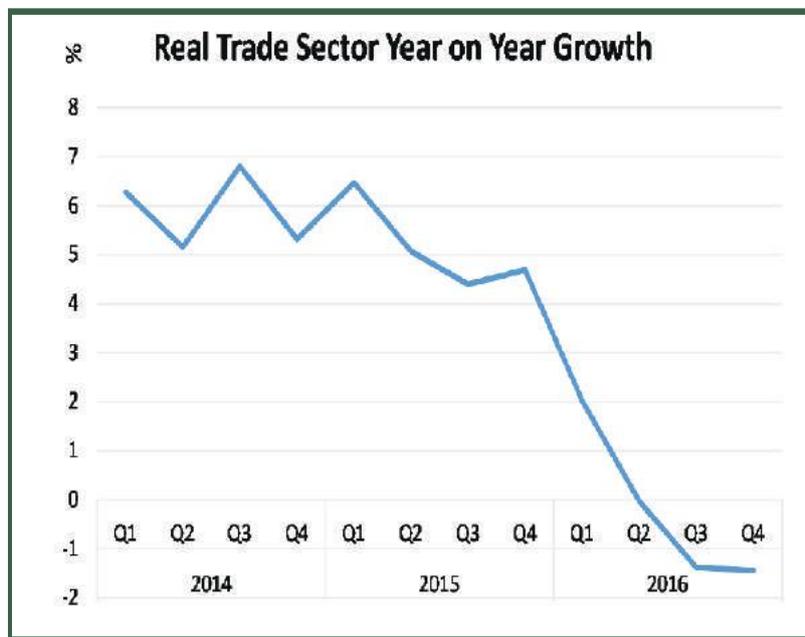


Figure 9: Trade real growth

In real terms, Trade recorded negative year on year growth, of -1.44%. This was a larger decline than that recorded in the previous quarter of -1.38%, as well as a fall in growth compared to the rate of 4.69% recorded in the fourth quarter of 2015. Quarter on quarter growth stood at 5.79% in the fourth quarter of 2016.

Full year 2016 Real GDP contracted by -0.24%, which was 5.38% points lower than the growth of 5.14% in 2015.

In real terms, Trade's contribution to GDP was 16.65% in the fourth quarter of 2016, slightly lower than the 16.68% it represented in the previous year, but higher than the 16.39% recorded in 2016 third quarter.

## Accommodation and Food Services

In nominal terms, Accommodation and Food Services grew by 9.35% year on year in the fourth quarter of 2016, which was 8.34% points higher than in the same quarter of 2015, when the growth rate was 1.01%. Growth was also 6.62% points higher than in the preceding quarter, when growth of 2.73% was recorded. The sector's contribution to nominal GDP was 0.92% in the fourth quarter of 2016, a slight decrease from the 0.95% points recorded a year previous.

The real year on year growth rate for this sector in 2016 fourth quarter was -2.74%, which was a less significant decline compared to the growth rates of -3.55% in Q4 2015 and -4.88% in Q3 2016. Quarter on quarter real growth was 15.12%.

For the full year 2016, this sector's real growth rate was -5.32%, lower than the growth rate of 2.27% recorded in 2015 by 7.59% points.

The activity in fourth quarter of 2016 represented 0.96 % of the real GDP, which was slightly lower than the contribution of 0.98% recorded in the fourth quarter of 2015 but higher than the third quarter 2016 contribution of 0.87%.

## Transportation and Storage

Transport and Storage comprises 6 activities; Road Transport; Rail Transport and Pipelines; Water Transport; Air Transport; Transport Services; and Post and Courier Services.

The sector grew by 10.55% in nominal terms in the fourth quarter of 2016 (year on year). This rate was 6.27% points lower than in the corresponding quarter of 2015, and 9.15% points lower than in the third quarter of 2016. The fastest growing activity in this quarter was Transport Services with a rate of 16.07% year on year, followed by Water Transport at 12.74%. Quarter on quarter, the sector grew by 4.71%. It contributed 1.50% to Nominal GDP, decreasing from the 1.53% recorded in the corresponding period of 2015, and also lower than the 1.58% in the preceding quarter of 2016.

**In real terms, the Transportation and Storage sector declined by -5.32% in the fourth quarter of 2016, which was 9.71% points lower than the growth of 4.39% recorded in the same quarter of 2015. It was also a larger decline than that of 4.88% recorded in Q3 2016. Quarter on Quarter, growth was 3.01 % in real terms. For full year, 2016, the transport and storage sector grew by 0.39% compared to 4.51% in 2015.**

**The contribution of the sector to real GDP in the fourth quarter of 2016 totaled 1.19%, falling slightly from 1.24% recorded a year previous as well as the 1.20% in the third quarter of 2016.**

## Information & Communication

The Information and Communication sector is composed of the four activities of Telecommunications and Information Services; Publishing; Motion Picture, Sound Recording and Music Production; and Broadcasting.

In nominal terms, the sector grew by 17.43% (year-on-year) in the fourth quarter of 2016, this is 6.42% points higher than the rate of 11.01% recorded in the same quarter of 2015, and 8.17% points higher than rate recorded in the preceding quarter. Publishing was the activity to exhibit the highest nominal growth rate in the period of review, at 22.66%. The Quarter on Quarter growth rate was recorded at 20.08 %. The Information and Communications sector contributed 10.78 % to total Nominal GDP in the fourth quarter of 2016, higher than the rate recorded in the same quarter of 2015, and also higher than the 9.90% it contributed in the preceding quarter

The sector grew year on year by 1.38% in real terms in the fourth quarter of 2016, compared to 4.2% in Q4 2015 and 1.1% in Q3 2016. The main drivers of this growth were Telecommunications & information services, and broadcasting. Quarter on Quarter, the sector exhibited growth of 18.79% in real terms.

For full year 2016, information and communication grew by 1.95% compared to 6.22% in 2015.

The sector contributed 11.57% to total real GDP in Q4 2016, higher than in the same quarter of the previous year, and higher than the preceding quarter, in which it represented 11.26% and 10.14% of total GDP respectively.

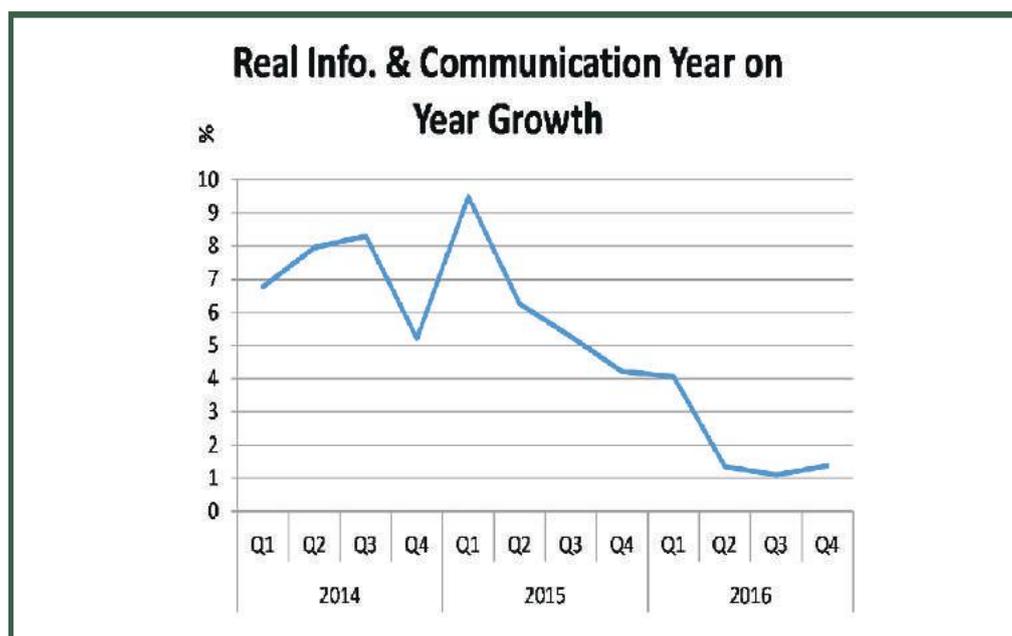


Figure 10: Info and Communication real growth

## Arts, Entertainment and Recreation

Nominal growth in the Arts, Entertainment and Recreation sector was 12.11% in fourth quarter 2016 (year-on-year), representing a decline of 3.37% points relative to the same period a year earlier, and a decline of 0.70% points compared with the preceding quarter. On a quarterly basis, growth was recorded at 8.80%. The activity contributed 0.20% to total nominal GDP, unchanged from both the previous quarter, and the same quarter of 2015.

In real terms, the activity grew by 2.04 % year on year, compared to 6.54% in the fourth quarter of 2015 and 1.99% in the previous quarter. Quarter on quarter, output increased by 6.26% in real terms.

For full year 2016, arts entertainment and recreation grew by 3.72%, compared to the growth rate of 9.40% in 2015.

**Arts, Entertainment and Recreation contributed 0.19% to real GDP in fourth quarter 2016**, slightly higher than the share of 0.18% recorded in the same quarter of 2015, and equal to that recorded in the previous quarter.

## Real Estate Services

In nominal terms, Real Estate Services in the fourth quarter of 2016 grew by 1.89%, lower by 6.37% points than the growth rate reported for the same period in 2015, and also lower by 0.67% points than that recorded in the preceding quarter. Quarter-on-Quarter, the sector growth rate was 13.94%. The contribution to nominal GDP in the fourth quarter of 2016 was 8.48%, lower than the 9.40 % reported in corresponding quarter of 2015 but higher than the 8.20% reported in the preceding quarter.

**Real GDP growth recorded in the sector in 2016 fourth quarter stood at -9.27%**, lower from growth recorded in 2015 fourth quarter, and 2016 third quarter, by 10.06 % points and 1.90% points respectively. Quarter-on-quarter the sector grew by 10.28 % in the fourth quarter of 2016. **The sector contributed 7.59% to real GDP in fourth quarter, 2016, lower than the 8.26 % it recorded in the corresponding quarter of 2015 but higher than the 7.17% in the preceding quarter.**

## Finance and Insurance

The Finance and Insurance Sector consists of the two subsectors, Financial Institutions and Insurance firms, which in nominal terms account for 87.00% and 13.00% of the sector respectively.

As a whole the sector grew by 19.74% in nominal terms (year on year), with the growth rates of 20.02% and 17.89% for Financial Institutions and Insurance respectively. The overall rate was higher than that in fourth quarter of 2015 by 3.03% points, and lower by 0.91% points than the preceding quarter. The sector's contribution to the overall nominal GDP was 3.33% in fourth quarter of 2016, higher than the 3.14% it represented a year previous, and down from the contribution of 3.51% it made in the preceding quarter.

**Again driven by the Financial Institutions activity, growth of the sector in real terms was 2.68%**, lower by 3.73% points from the rate recorded in the fourth quarter of 2015, and higher by 0.04% points from the rate recorded in the preceding quarter.

**For full year 2016, this sector in real terms contracted by -4.56% (compared to a growth of 7.12% in 2015), driven by a -5.57% contraction in financial institutions real GDP.**

**Quarter on quarter growth in real terms stood at 3.22%.** The contribution of Finance and Insurance to real GDP totaled 2.88%, higher than the contribution of 2.76% recorded in the fourth quarter of 2015, but lower than the share of 2.90% recorded in the preceding quarter.

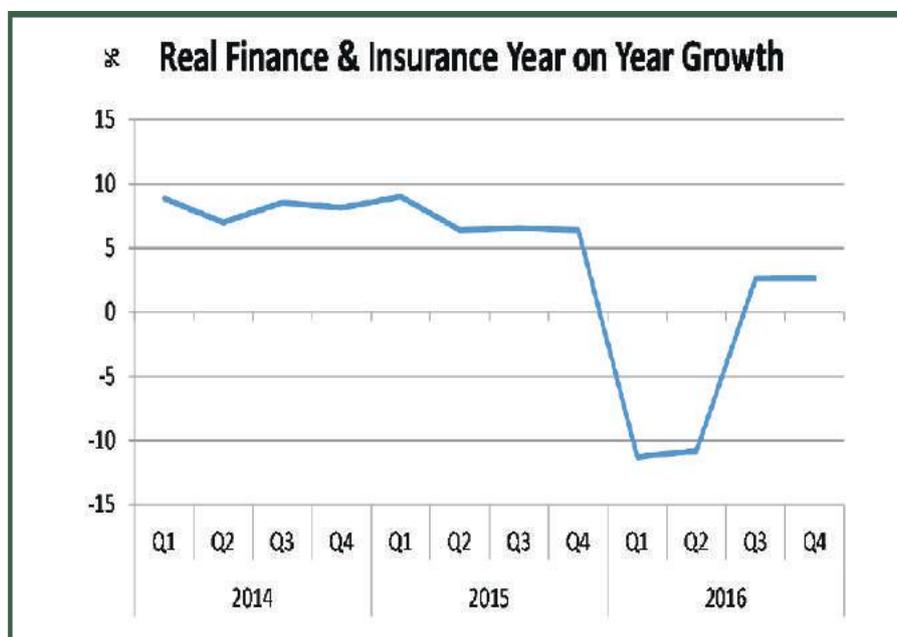


Figure 11: Finance and Insurance real growth

## Administrative and Support Services

In nominal terms, the Administrative and Support Services sector grew by 19.41% (year on year) in fourth quarter of 2016, higher by 6.77% points than in the fourth quarter of 2015, and also higher by 1.86% points than the growth rate in the previous quarter. The Quarter on Quarter growth rate in the sector was 2.71% in the fourth quarter of 2016. The contribution of Administrative and Support Services to nominal GDP was 0.02% in 2016 fourth quarter, the same as the share it contributed in the same period last year, but slightly lower than the 0.03% it contributed in the preceding quarter.

In real terms, the sector recorded a growth rate of 2.07% (year-on-year), a decrease of 0.97% points from the corresponding quarter of 2015 and a 2.06% point increase from the rate recorded in the third quarter of 2016. Quarter-on-quarter, the sector grew by 1.44% in the fourth quarter of 2016.

For full year 2016, this sector contracted by -0.69%, compared to a growth of 3.52% in 2015

The sector's contribution to real GDP was 0.02% in 2016 fourth quarter, roughly unchanged from the corresponding quarter in 2015 and the third quarter of 2016.

## Education

Nominal growth in the Education sector in the fourth quarter of 2016 was 15.05% (year-on-year), lower by 3.53% points than the growth of 18.58% reported in the corresponding quarter of 2015, and lower by 0.59% points when compared to the third quarter 2016 growth rate of 15.64%. The contribution of Education to nominal GDP in the fourth quarter of 2016 was 2.77%; up from 2.72% estimated in fourth quarter, 2015 and yet up from 2.43% in third quarter, 2016.

**Real growth in Education year-on-year stood at -0.09% in Q4 2016**; a decrease of 8.21% points from the corresponding quarter of 2015 which was estimated at 8.13%. When compared with the previous quarter's rate of -0.11%, the sector's growth rate increased by 0.02% points. **The education Sector contributed 2.63% to total real GDP in Q4 2016**, compared to the share of 2.60% reported for corresponding Quarter of 2015.

## Professional, Scientific and Technical Services

In Q4 2016, Professional, Scientific and Technical Services recorded a nominal growth of 18.42% (year-on-year), which is 2.67% points higher than that recorded in the fourth quarter of 2015, and 0.76% points lower than the rate recorded in the previous quarter. Quarter-on-Quarter, the sector grew by 4.94%. The Contribution of Professional, Scientific and Technical Services to nominal GDP was 4.42% in the fourth quarter of 2016, up from the 4.22% contribution in the fourth quarter of 2015, but down from the 4.64% recorded in the previous quarter.

**Real growth in the sector was recorded at 1.45% in the fourth quarter of 2016, which is 1.71% points less than the rate recorded in the corresponding period of 2015, and 0.06% points higher than that in the previous quarter.** On a quarter-on-quarter basis, the sector grew by 3.65% in the fourth quarter of 2016. **Professional, Scientific and Technical Services contributed 3.82% to aggregate GDP**, higher than the 3.72% it contributed in the fourth quarter of 2015 but lower than the 3.84% it recorded in the previous quarter.

## Public Administration

In nominal terms, the Public Administration sector grew by 8.43% in Q4 2016, higher by 10.19% points from the corresponding quarter of 2015 and lower by 4.91% points relative to Q3 2016. Quarter-on-Quarter, the sector grew by 17.36%. The contribution of Public Administration to Nominal GDP stood at 2.72% in Q4 2016, lower than the 2.84% recorded in Q4 2015 but higher than 2.56% recorded in Q3 2016.

**In real terms, the sector recorded a contraction of -4.15% (year on year) in Q4 2016**, higher by 8.97% points than the rate recorded in Q4 2015, and lower by 0.58% points than that recorded in Q3 2016. Quarter on quarter, the sector grew by 15.91% in Q4 2016.

**For full year 2016, public administration contracted by -4.58%**, which was nevertheless a huge improvement over the contraction of -12.28% in 2015.

**The contribution of Public Administration to Real GDP stood at 2.36% in Q4 2016**, compared to 2.43% in Q4 2015 and 2.12% in Q3 2016.

## Human Health and Social Services

The year on year growth rate for Health and Social Services in nominal terms was 8.29%, a decline relative to the growth rate of 11.62% reported in the same quarter of 2015 by 3.33% points. The contribution to nominal GDP was 0.69% in Q4 2016, down slightly from the 0.72% recorded in Q4 2015, and down from 0.72% recorded in Q3 2016.

**Real GDP growth of Health and Social Services for Q4 2016 was -2.49% (year-on-year) compared to 2.86% for the corresponding period of 2015, which shows a drop of 5.36% points. Quarter-on-Quarter, this sector grew by 4.83%. The contribution of Human Health and Social Services to real GDP was 0.68% in Q4 2016, down slightly from the 0.69% recorded in Q4 2015 but relatively the same from the 0.68% recorded for the preceding quarter of Q3, 2016.**

## Other Services

In nominal terms, Other Services grew by 21.60% (year-on-year) in the Q4 2016. This growth rate is less than the 26.86% growth rate recorded in the same quarter of the previous year, and also lower than the growth rate of 22.25% in Q3 2016 by 5.26% points and 0.65% points respectively. This sector contributed 4.21% to the aggregate nominal GDP in Q4 2016, higher than the 3.91% it contributed in the same period of the previous year and higher than 3.03% it contributed in the preceding quarter.

**Other Services real GDP grew by 3.07% (year-on-year) in Q4 2016. This growth is lower by 13.95% points than the growth recorded in the same period of the previous year, when the figure recorded was 17.02%, and lower by 0.94% points in Q3 2016 when the growth rate was 4.01%. The sector contributed 3.64% to real GDP in Q4 2016 as against the 3.48% reported for the corresponding quarter of 2015. This reveals that the contribution increased by 0.15% points year-on-year.**

# GDP REPORT Q4 2016

Agriculture: Q4 2015 – Q4 2016

## Agriculture sector



Agriculture sector grew by 4.03% in Q4 2016 from 4.54% in Q3 2016 and 4.53% in Q4 2015.

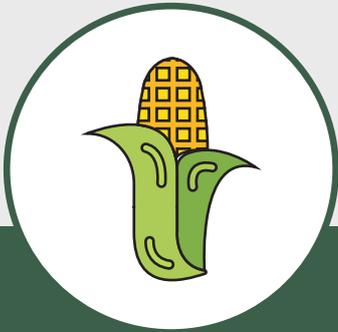
### AGRICULTURE



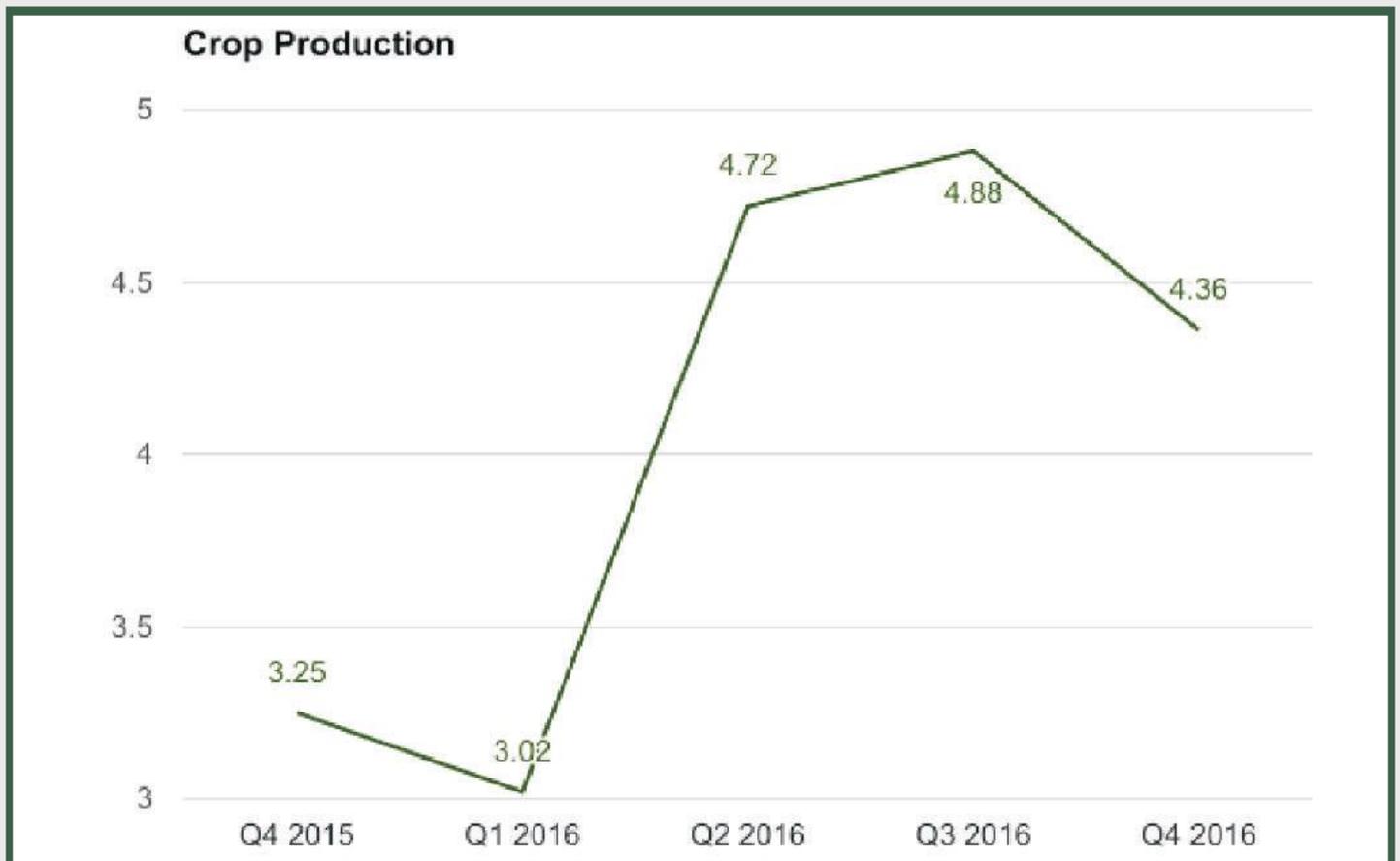
# GDP REPORT Q4 2016

Crop Production: Q4 2015 – Q4 2016

## Crop Production



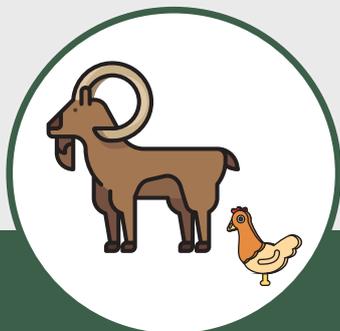
Crop production under agriculture sector grew by 4.36% in Q4 2016 from 4.88% in Q3 2016 and 3.25% in Q4 2015.



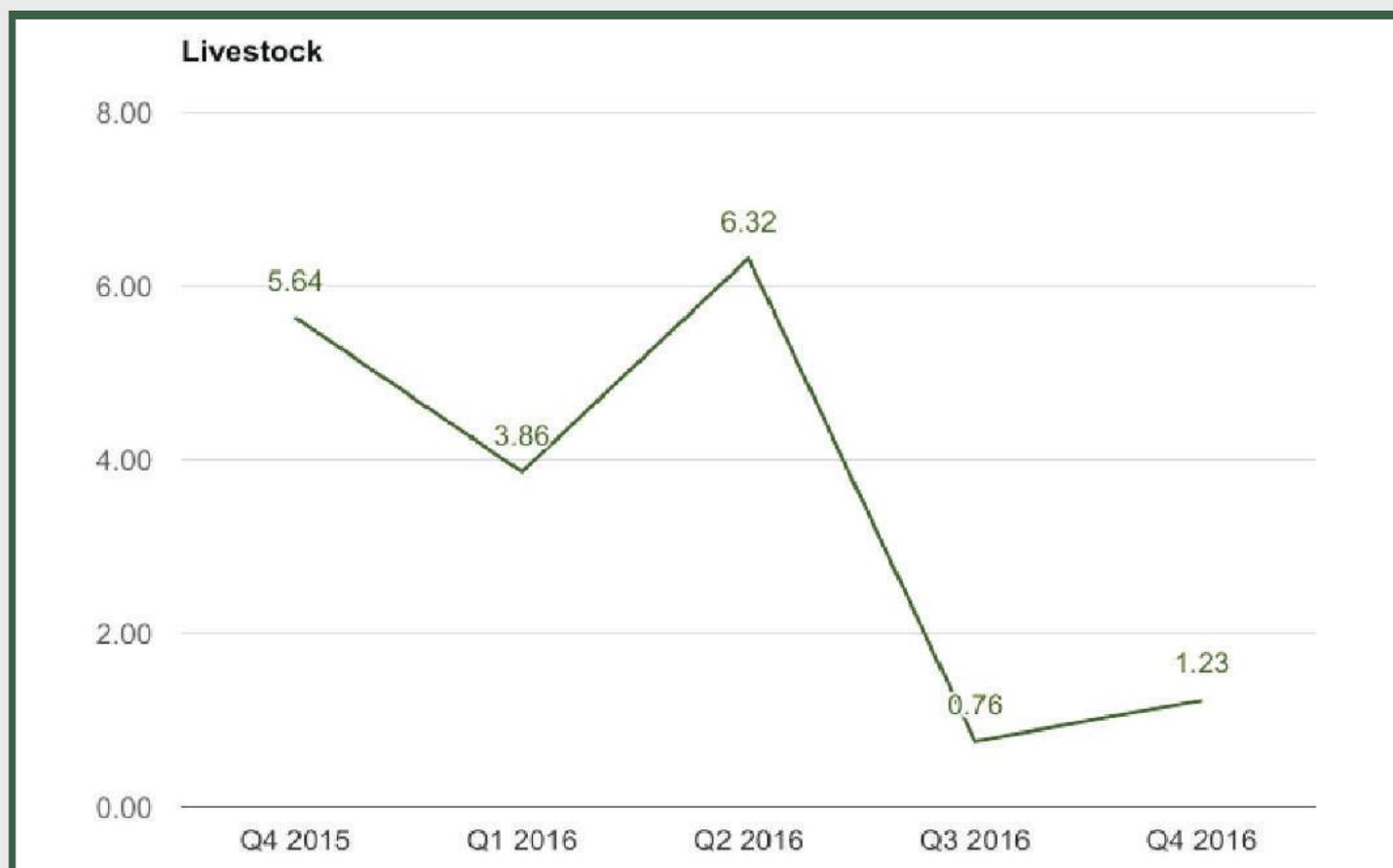
# GDP REPORT Q4 2016

Livestock: Q4 2015 – Q4 2016

## Livestock



Livestock under agriculture sector grew by 1.23% in Q4 2016 from 0.76% in Q3 2016 and 5.64% in Q4 2015.



# GDP REPORT Q4 2016

Forestry: Q4 2015 – Q4 2016

## Forestry



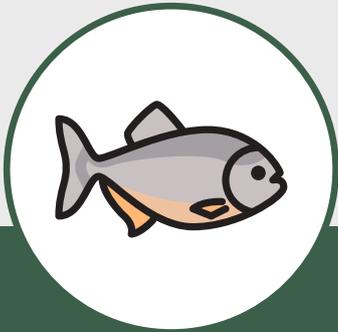
Forestry under agriculture sector grew by 2.22% in Q4 2016 from 2.08% in Q3 2016 and 4.05% in Q4 2015.



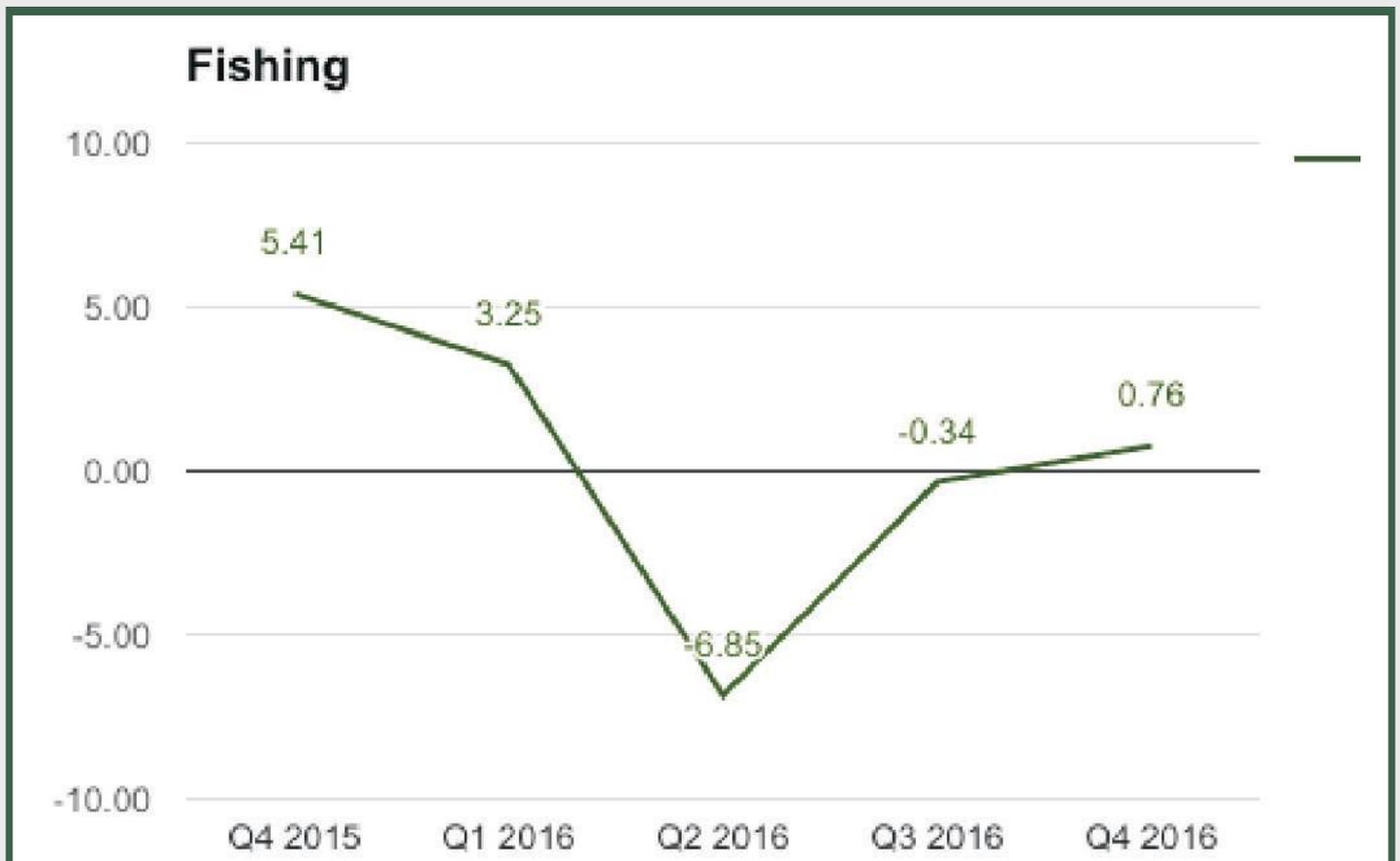
# GDP REPORT Q4 2016

## Fishing: Q4 2015 - Q4 2016

### Fishing



Fishing under agriculture sector grew by 0.76% in Q4 2016 from -0.34% in Q3 2016 and 5.41% in Q4 2015.



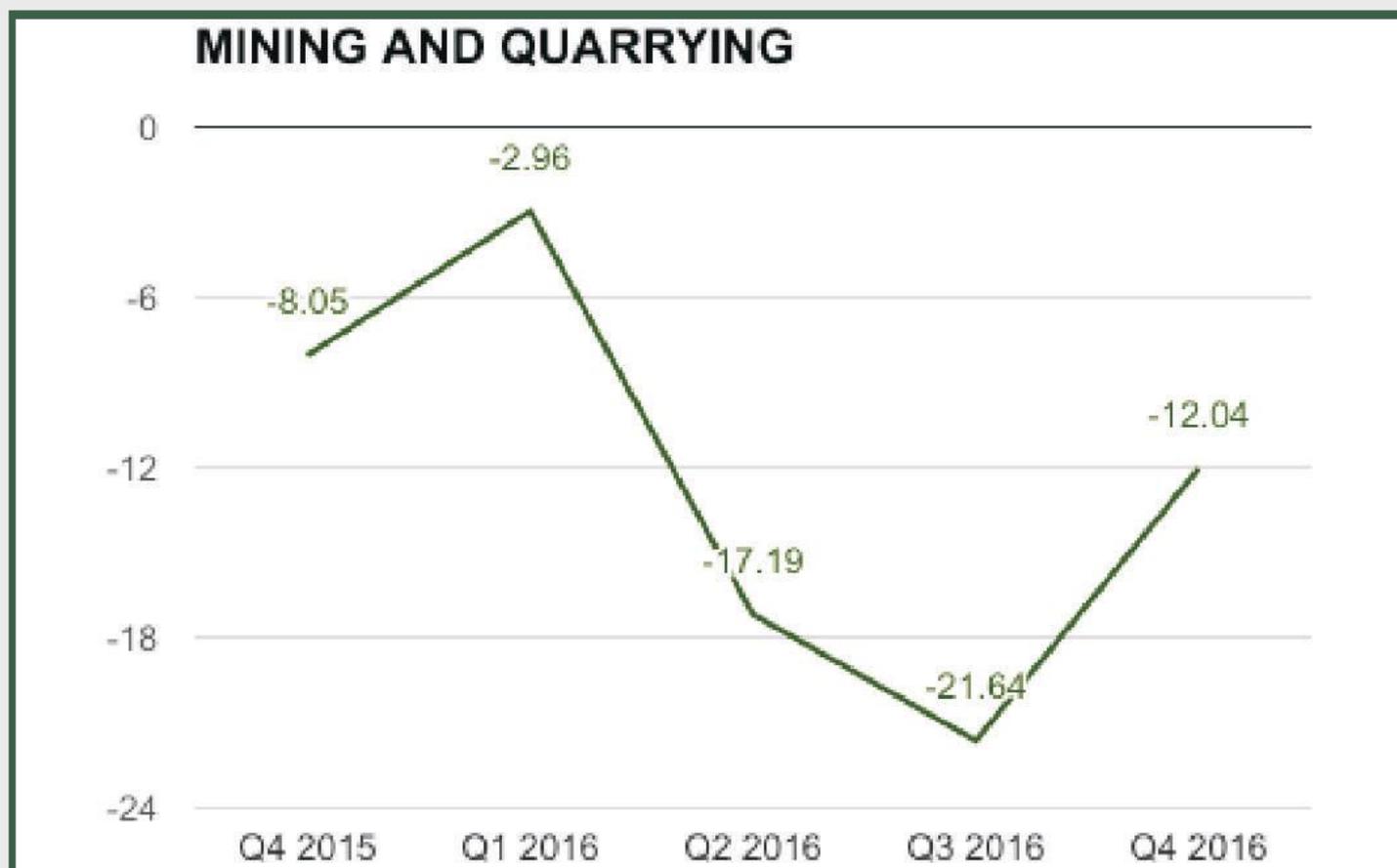
# GDP REPORT Q4 2016

Mining and Quarrying: Q4 2015 - Q4 2016

## Mining and Quarrying sector



Mining and Quarrying contracted by -12.04% in Q4 2016 from -21.64% in Q3 2016 and 8.05% in Q4 2015.



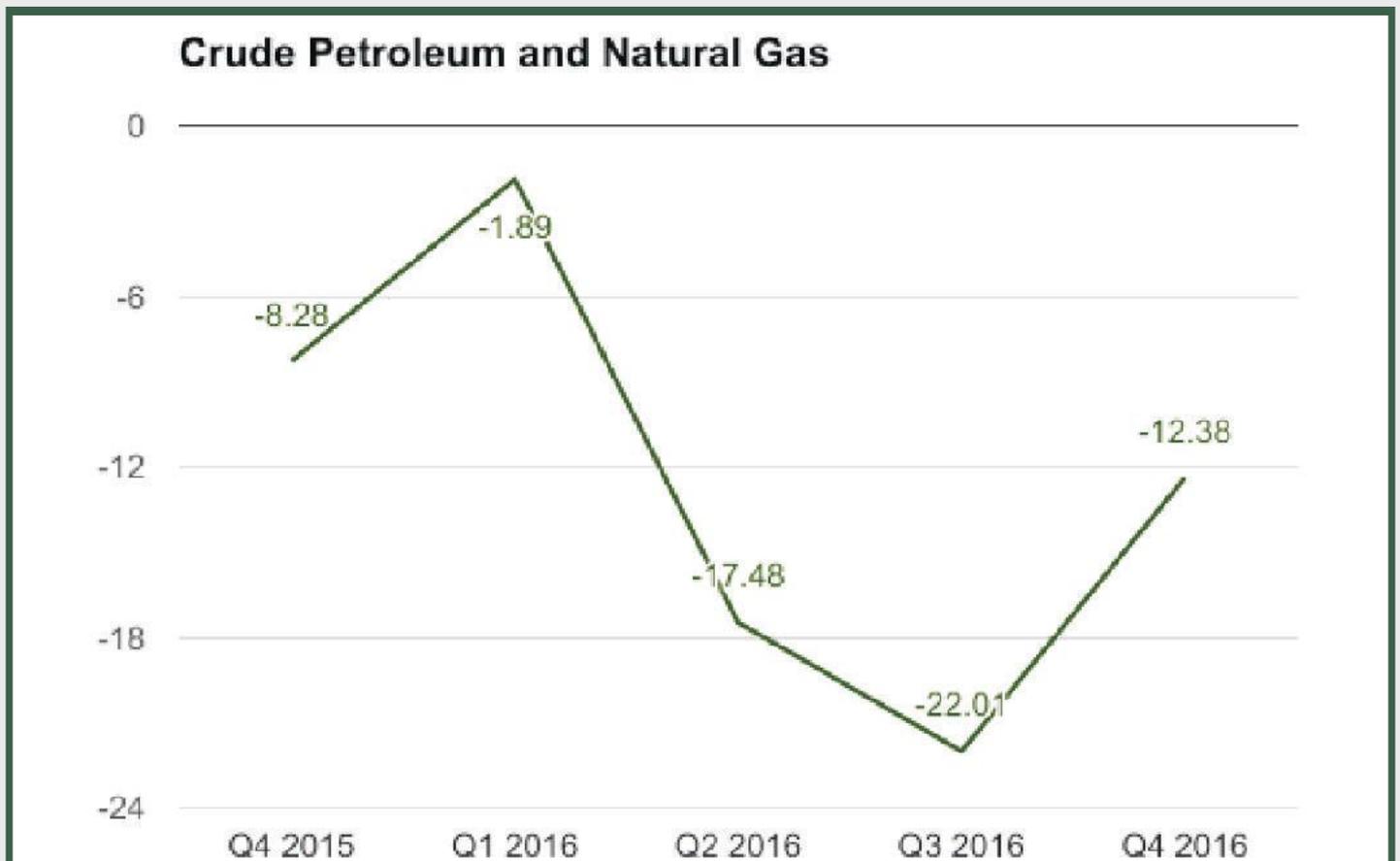
# GDP REPORT Q4 2016

Crude Petroleum and Natural Gas: Q4 2015 – Q4 2016

## Crude Petroleum



Crude Petroleum and Natural Gas under Mining And Quarrying sector contracted by -12.38% in Q4 2016 from -22.01% in Q3 2016 and -8.28% in Q4 2015.



# GDP REPORT Q4 2016

## Coal Mining: Q4 2015 - Q4 2016

### Coal Mining



Coal Mining under Mining And Quarrying sector grew by 0.44% in Q4 2016 from -7.76% in Q3 2016 and 7.69% in Q4 2015.

Coal Mining



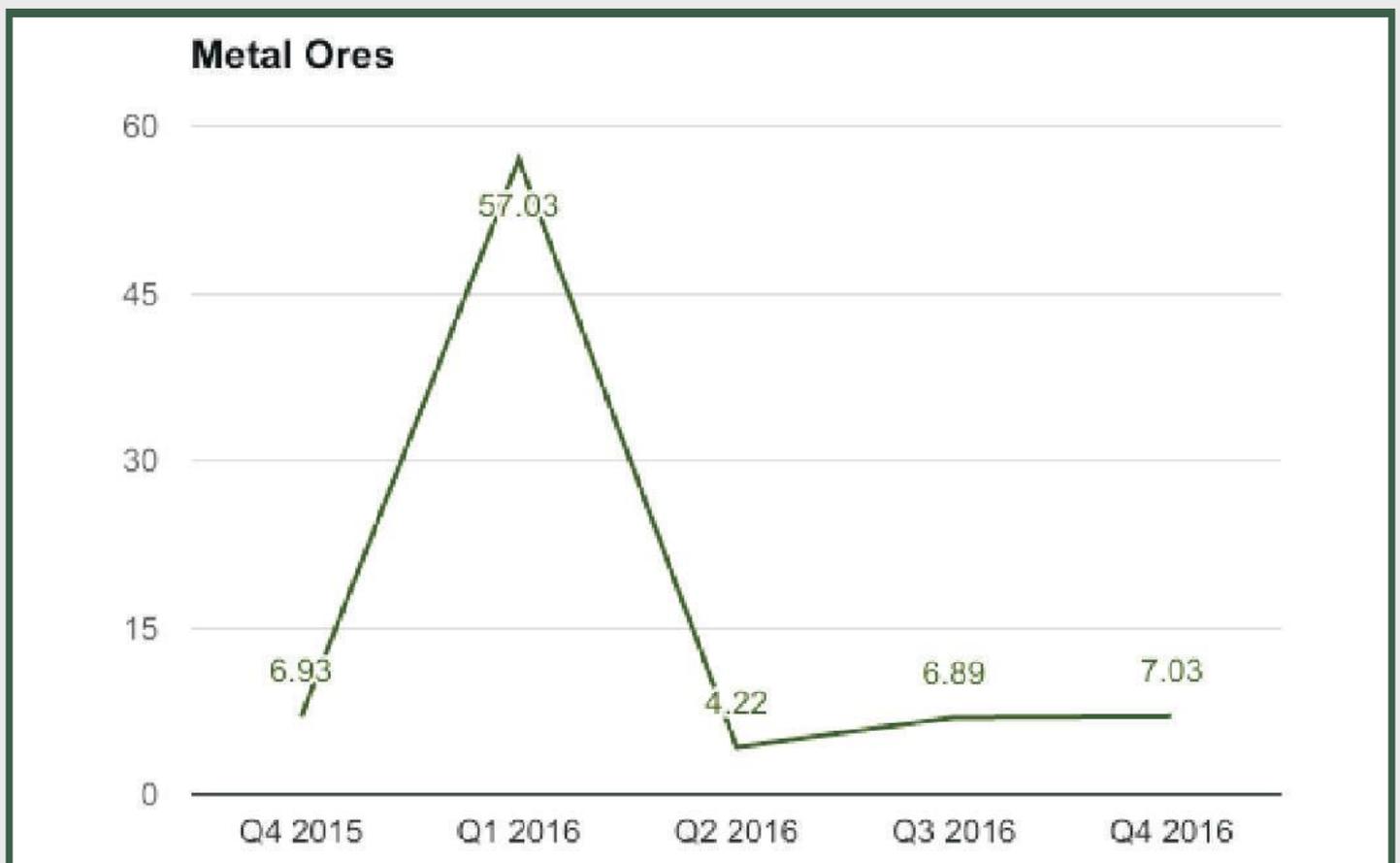
# GDP REPORT Q4 2016

## Metal Ores: Q4 2015 - Q4 2016

### Metal Ores



Metal Ores under Mining And Quarrying sector grew by 7.03% in Q4 2016 from 6.89% in Q3 2016 and 6.93% in Q4 2015.



# GDP REPORT Q4 2016

Quarrying and Other Minerals: Q4 2015 – Q4 2016

## Quarrying and Other Minerals



Quarrying and Other Minerals under Mining And Quarrying sector grew by 6.13% in Q4 2016 from 7.07% in Q3 2016 and 5.56% in Q4 2015.

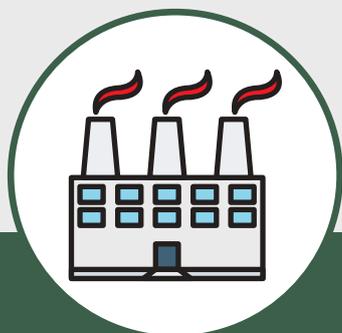
Quarrying and Other Minerals



# GDP REPORT Q4 2016

Manufacturing: Q4 2015 - Q4 2016

## Manufacturing sector



Manufacturing contracted by -2.54% in Q4 2016 from -4.38% in Q3 2016 and 0.38% in Q4 2015.

### MANUFACTURING



# GDP REPORT Q4 2016

## Oil Refining: Q4 2015 - Q4 2016

### Oil Refining



Oil Refining under Manufacturing sector contracted by -0.97% in Q4 2016 from 0.86% in Q3 2016 and -12.59% in Q4 2015.

### Oil Refining



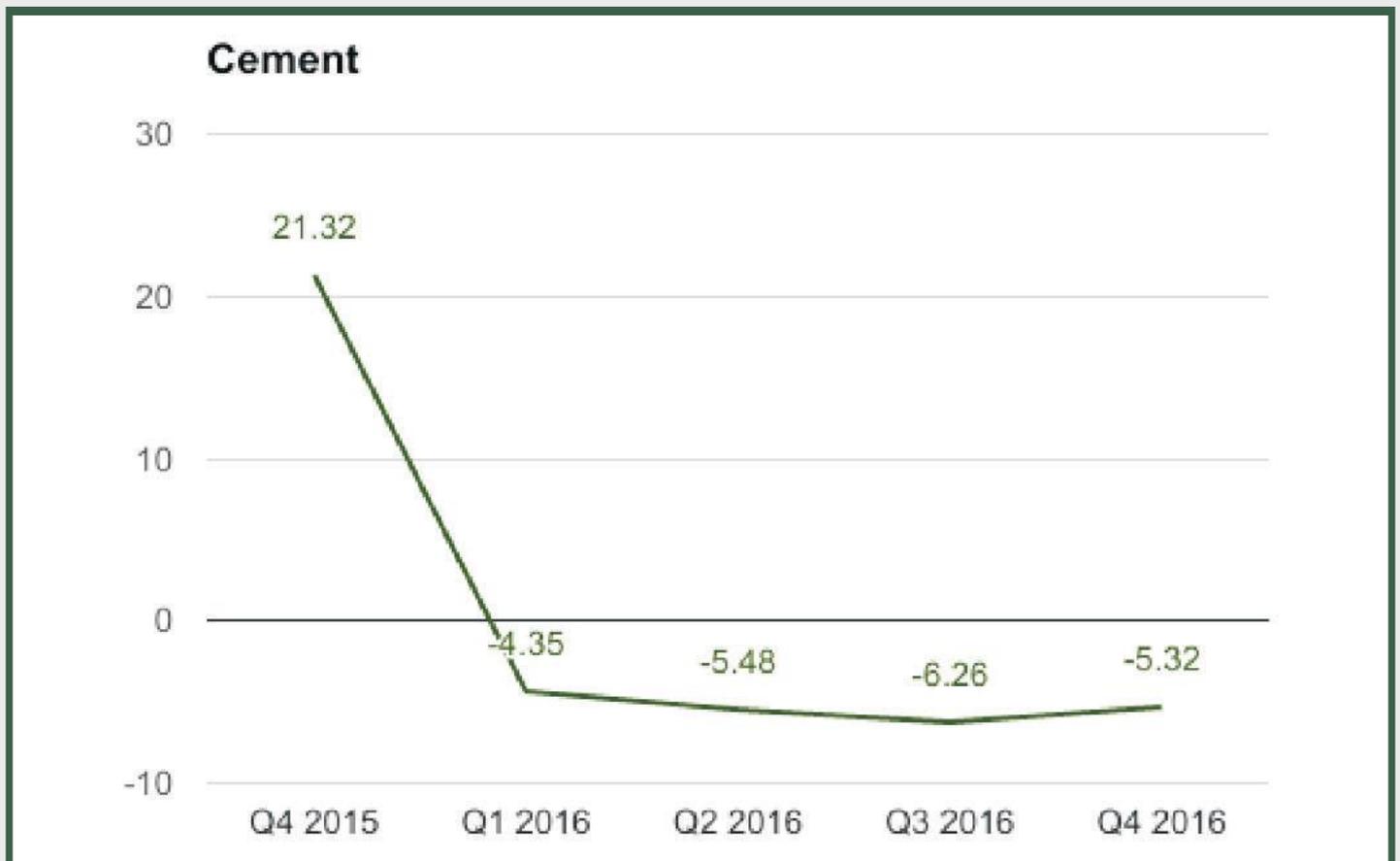
# GDP REPORT Q4 2016

Cement: Q4 2015 - Q4 2016

## Cement



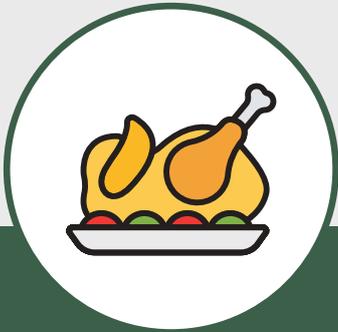
Cement under Manufacturing sector contracted by -5.32% in Q4 2016 from -6.26% in Q3 2016 and 21.32% in Q4 2015.



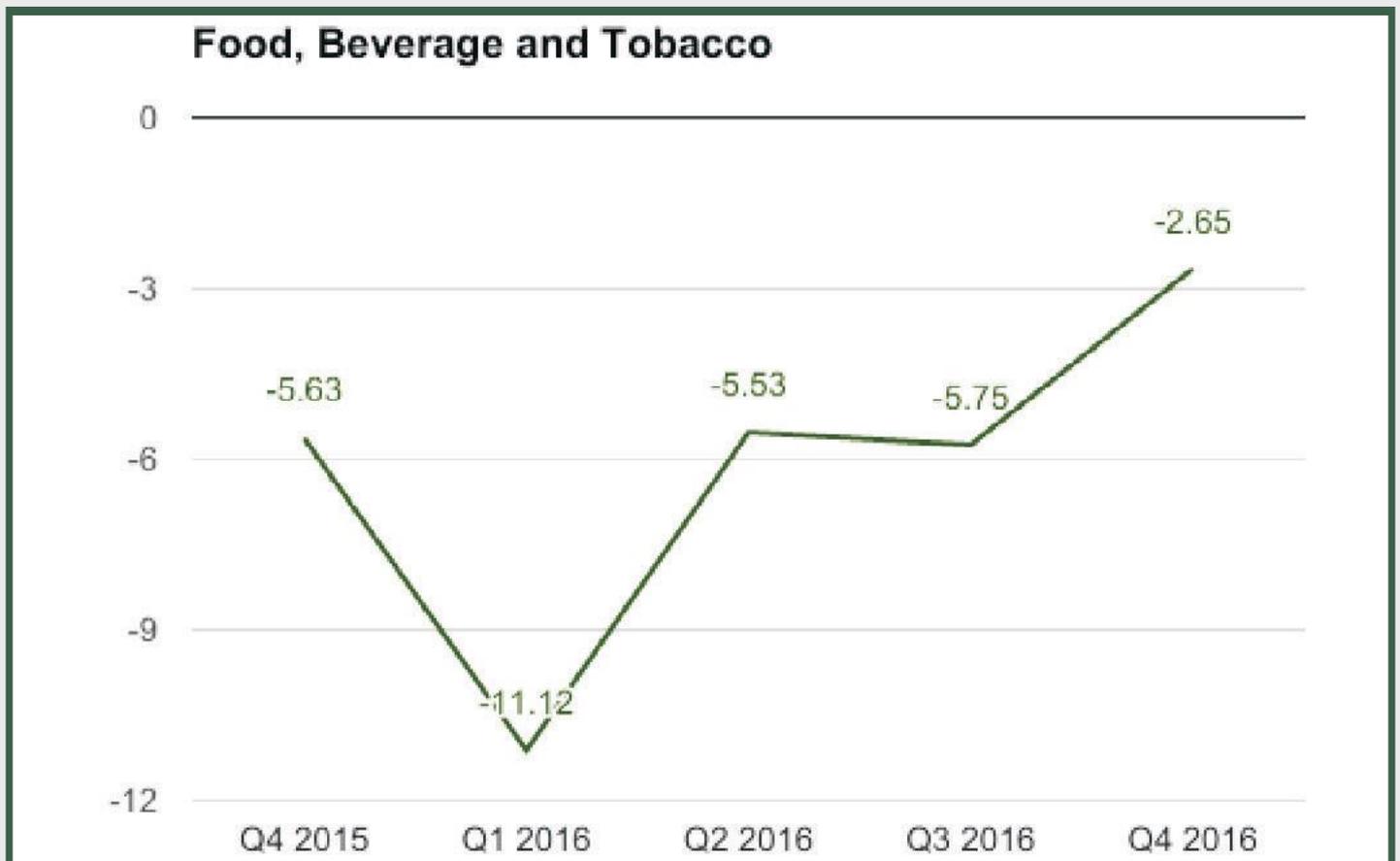
# GDP REPORT Q4 2016

Food, Beverage and Tobacco : Q4 2015 – Q4 2016

## Food, Beverage and Tobacco



Food, Beverage and Tobacco under Manufacturing sector contracted by -2.65% in Q4 2016 from -5.75% in Q3 2016 and -5.63% in Q4 2015.



# GDP REPORT Q4 2016

Textile, Apparel and Footwear: Q4 2015 – Q4 2016

## Textile, Apparel and Footwear



Textile, Apparel and Footwear under Manufacturing sector grew by 1.08% in Q4 2016 from -0.91% in Q3 2016 and 2.78% in Q4 2015.

Textile, Apparel and Footwear



# GDP REPORT Q4 2016

## Wood and Wood Products: Q4 2015 – Q4 2016

### Wood and Wood Products



Wood and Wood Products under Manufacturing sector contracted by -3.54% in Q4 2016 from -6.3% in Q3 2016 and 5.84% in Q4 2015.

#### Wood and Wood Products



# GDP REPORT Q4 2016

Pulp, Paper and Paper Products : Q4 2015 – Q4 2016

## Pulp, Paper and Paper



Pulp, Paper and Paper Products under Manufacturing sector contracted by -4.53% in Q4 2016 from -4.33% in Q3 2016 and 6.87% in Q4 2015.

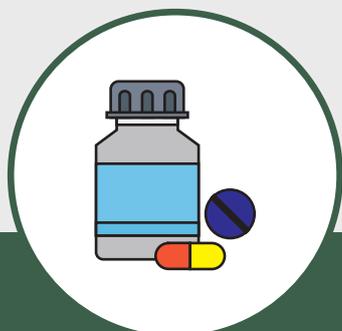
**Pulp, Paper and Paper Products**



# GDP REPORT Q4 2016

Chemical and Pharmaceutical Products : Q4 2015 – Q4 2016

## Chemical and Pharmaceutical Products



Chemical and Pharmaceutical Products under Manufacturing sector contracted by -1.38% in Q4 2016 from -1.53% in Q3 2016 and 17.16% in Q4 2015.

### Chemical and Pharmaceutical Products



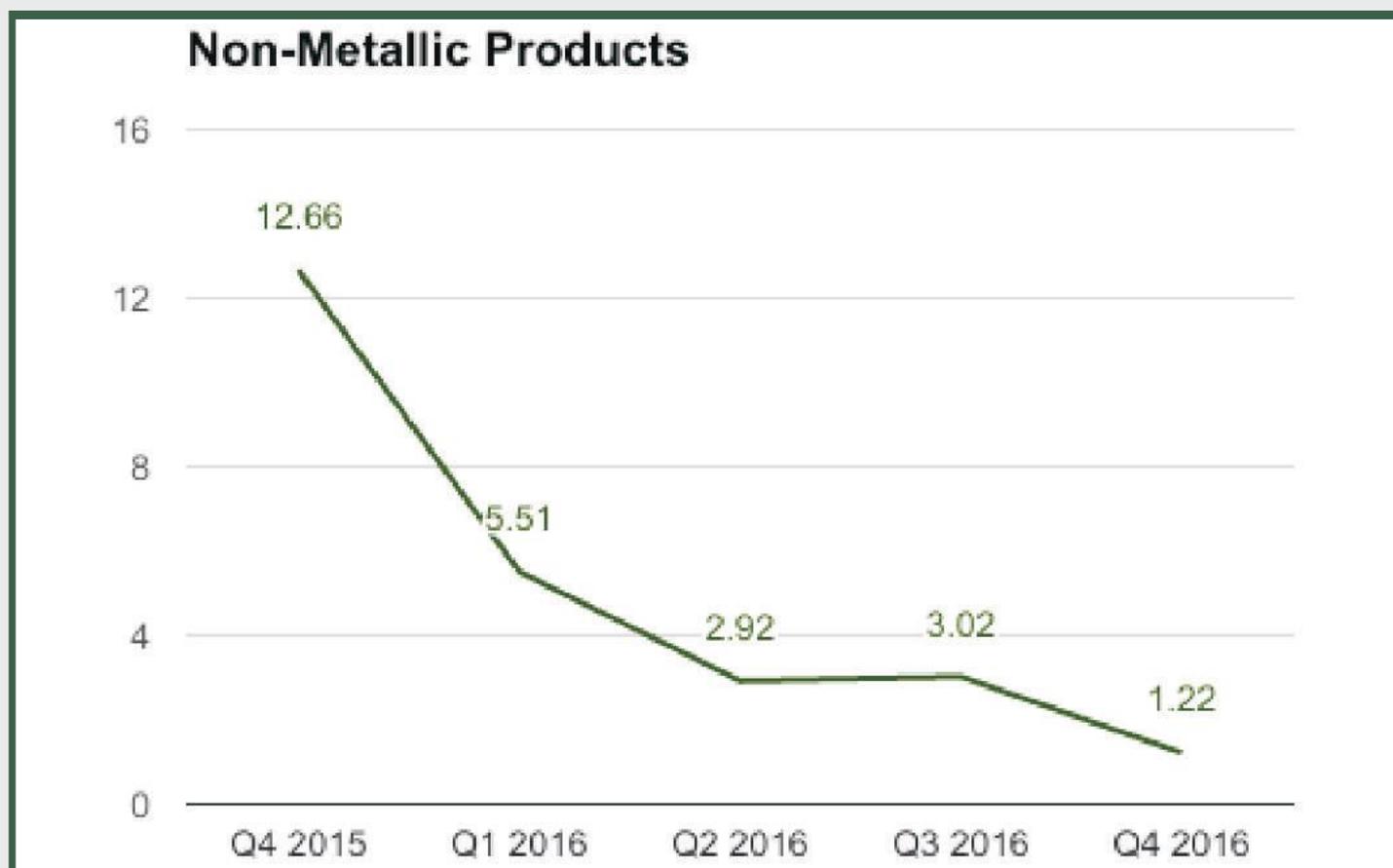
# GDP REPORT Q4 2016

Non-Metallic Products: Q4 2015 – Q4 2016

## Non-Metallic Products



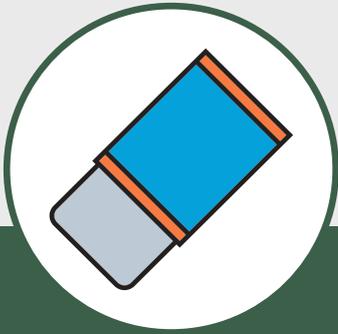
Non-Metallic Products under Manufacturing sector grew by 1.22% in Q4 2016 from 3.02% in Q3 2016 and 12.66% in Q4 2015.



# GDP REPORT Q4 2016

## Plastic and Rubber Products: Q4 2015 – Q4 2016

### Plastic and Rubber Products



Plastic and Rubber Products under Manufacturing sector grew by 3.25% in Q4 2016 from 3.18% in Q3 2016 and 15.73% in Q4 2015.

Plastic and Rubber products



# GDP REPORT Q4 2016

## Electrical and Electronics: Q4 2015 - Q4 2016

### Electrical and Electronics



Electrical and Electronics under Manufacturing sector contracted by -5.37% in Q4 2016 from -4.08% in Q3 2016 and 2.75% in Q4 2015.

### Electrical and Electronics



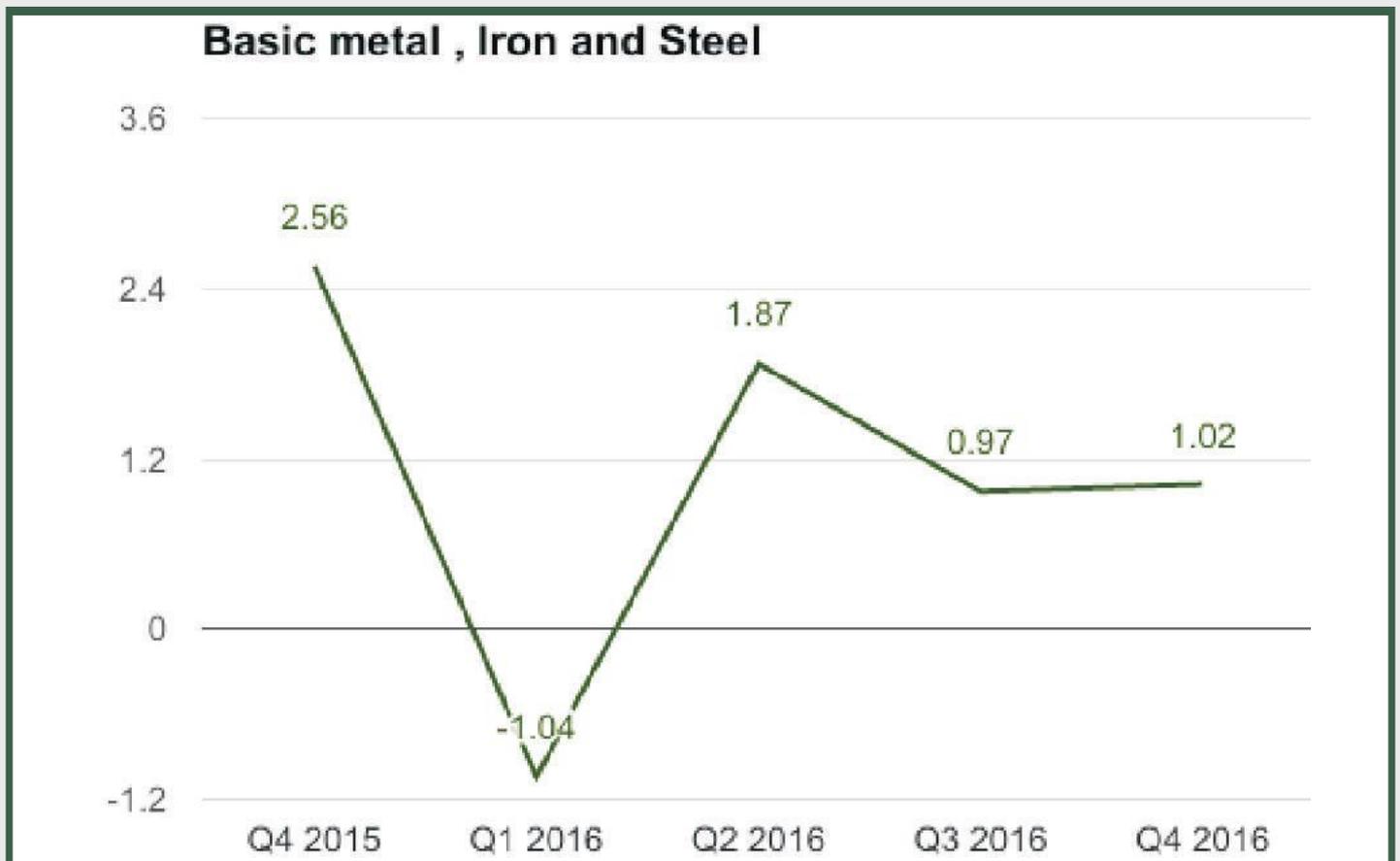
# GDP REPORT Q4 2016

## Basic metal , Iron and Steel: Q4 2015 – Q4 2016

### Basic metal , Iron and Steel



Basic metal , Iron and Steel under Manufacturing sector grew by 1.02% in Q4 2016 from 0.97% in Q3 2016 and 2.56% in Q4 2015.



# GDP REPORT Q4 2016

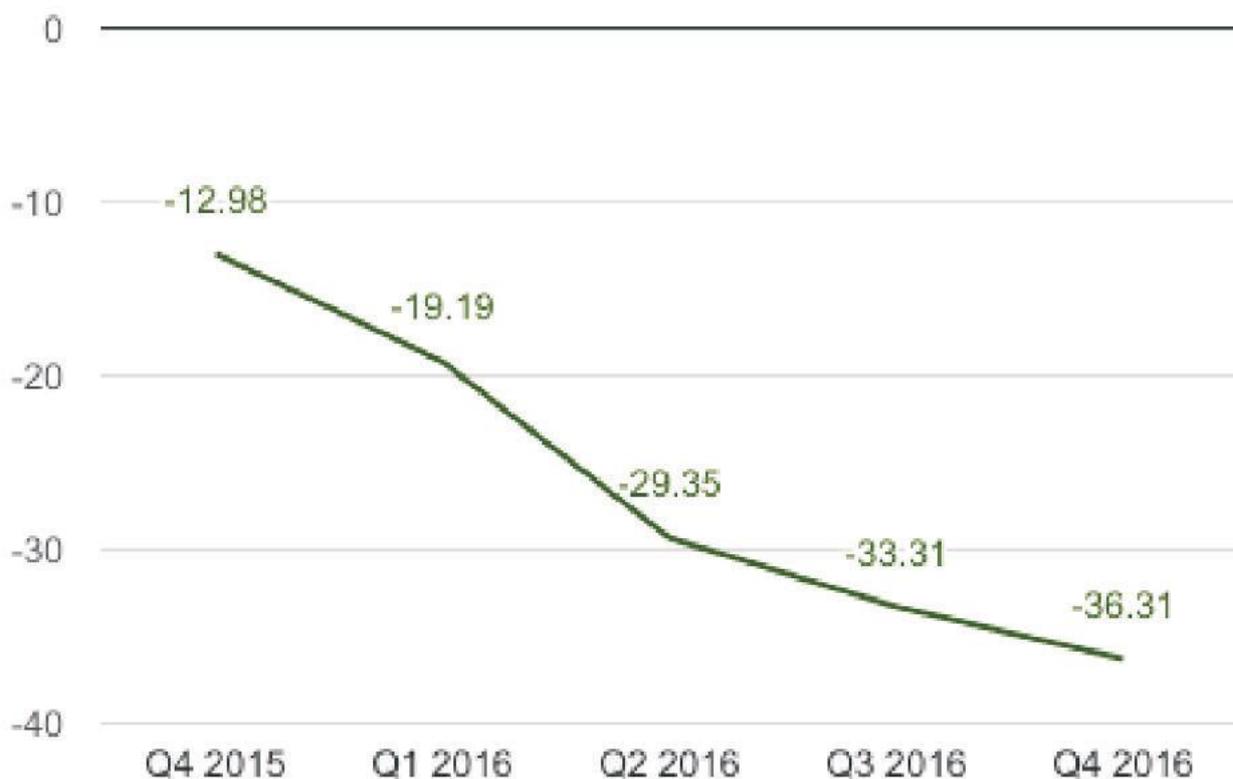
## Motor Vehicles & Assembly: Q4 2015 – Q4 2016

### Motor Vehicles & Assembly



Motor Vehicles & Assembly under Manufacturing sector contracted by -36.31% in Q4 2016 from -33.31% in Q3 2016 and -12.98% in Q4 2015.

#### Motor Vehicles & Assembly



# GDP REPORT Q4 2016

Other Manufacturing: Q4 2015 – Q4 2016

## Other Manufacturing



Other Manufacturing under Manufacturing sector contracted by -15.73% in Q4 2016 from -14.92% in Q3 2016 and -1.06% in Q4 2015.

### Other Manufacturing



# GDP REPORT Q4 2016

Electricity, Gas ,Steam And Air Conditioning Supply: Q4 2015 – Q4 2016

## Electricity, Gas ,Steam And Air Conditioning Supply



Electricity, Gas ,Steam And Air Conditioning Supply sector contracted by -5.16% in Q4 2016 from -6.68% in Q3 2016 and 1.2% in Q4 2015.

**ELECTRICITY, GAS ,STEAM AND AIR CONDITIONING SUPPLY**



# GDP REPORT Q4 2016

Water Supply, Sewerage, Waste Management And Remediation: Q4 2015 – Q4 2016

## Water Supply, Sewerage, Waste Management And Remediation



Water Supply, Sewerage, Waste Management And Remediation grew by 10.76% in Q4 2016 from 8.66% in Q3 2016 and 8.46% in Q4 2015.

### WATER SUPPLY, SEWERAGE, WASTE MANAGEMENT AND REMEDIATION



# GDP REPORT Q4 2016

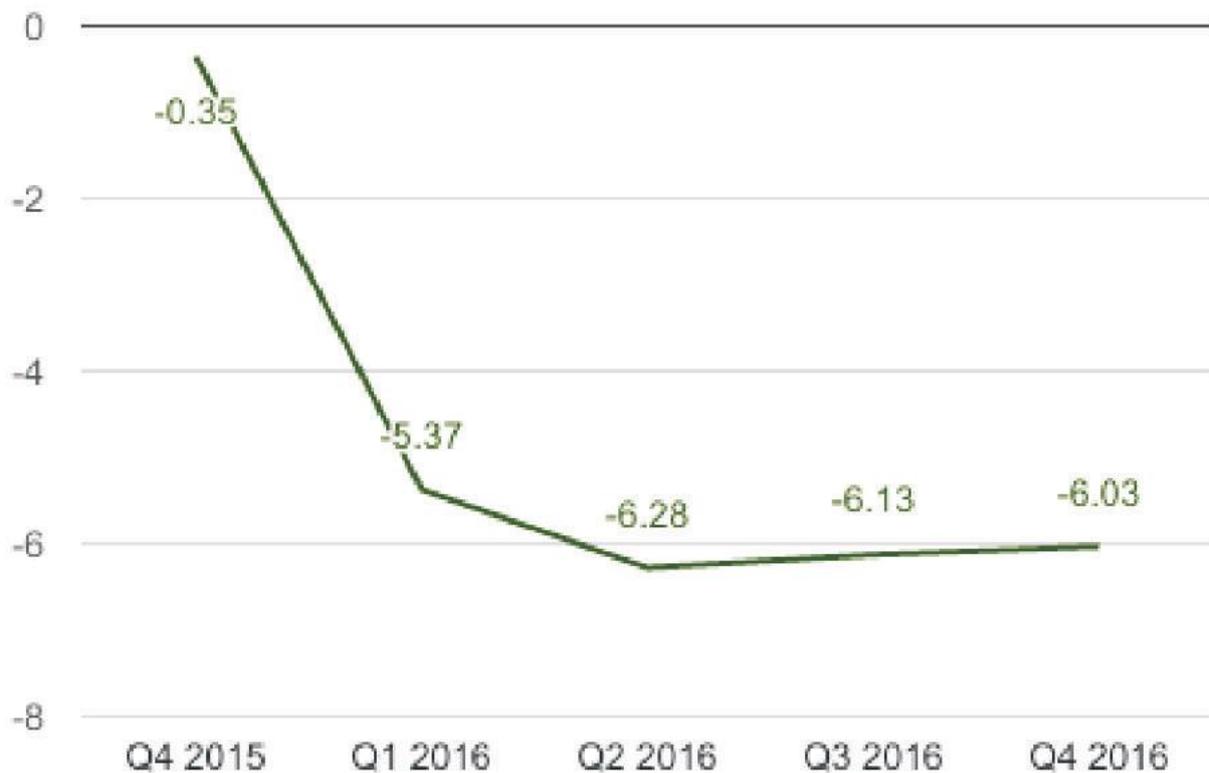
Construction: Q4 2015 - Q4 2016

## Construction



Construction contracted by -6.03% in Q4 2016 from -6.13% in Q3 2016 and -0.35% in Q4 2015.

### CONSTRUCTION



# GDP REPORT Q4 2016

## Wholesale and Retail Trade: Q4 2015 – Q4 2016

### Wholesale and Retail Trade



Wholesale and Retail Trade contracted by -1.44% in Q4 2016 from -1.38% in Q3 2016 and 4.69% in Q4 2015.

#### WHOLESALE and RETAIL TRADE



# GDP REPORT Q4 2016

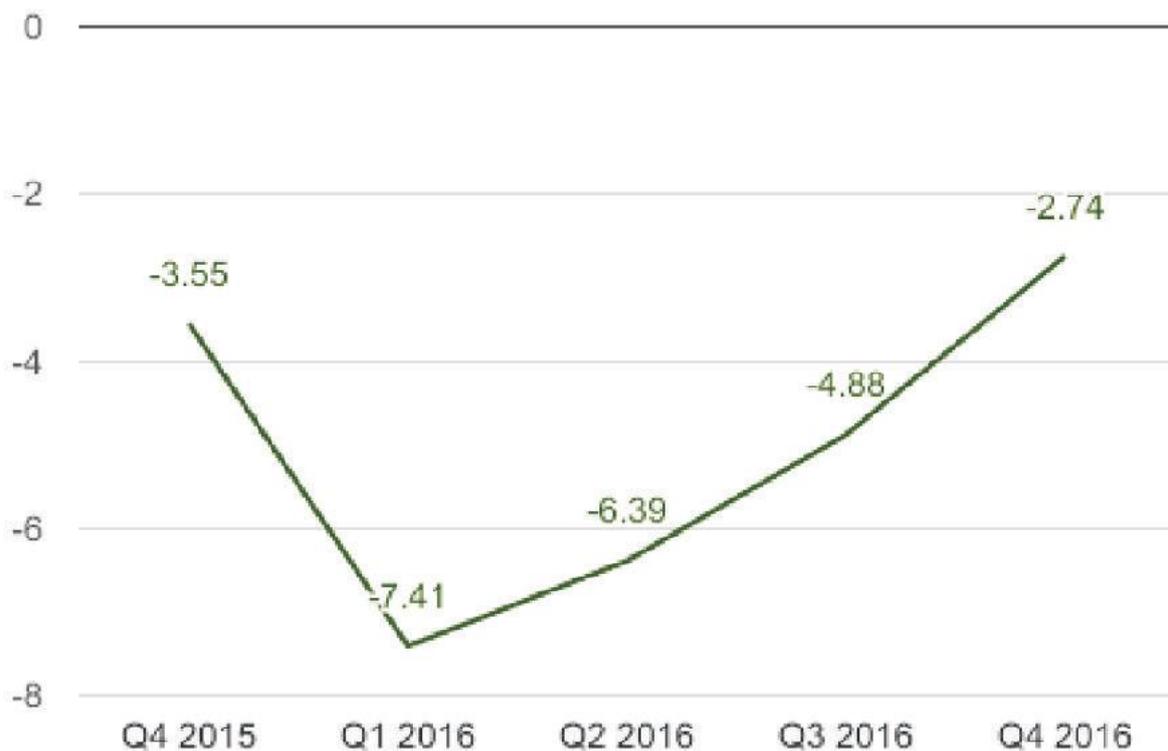
Accommodation and Food Services: Q4 2015 – Q4 2016

## Accommodation and Food Services



Accommodation and Food Services contracted by -2.74% in Q4 2016 from -4.88% in Q3 2016 and -3.55% in Q4 2015.

### ACCOMMODATION AND FOOD SERVICES



# GDP REPORT Q4 2016

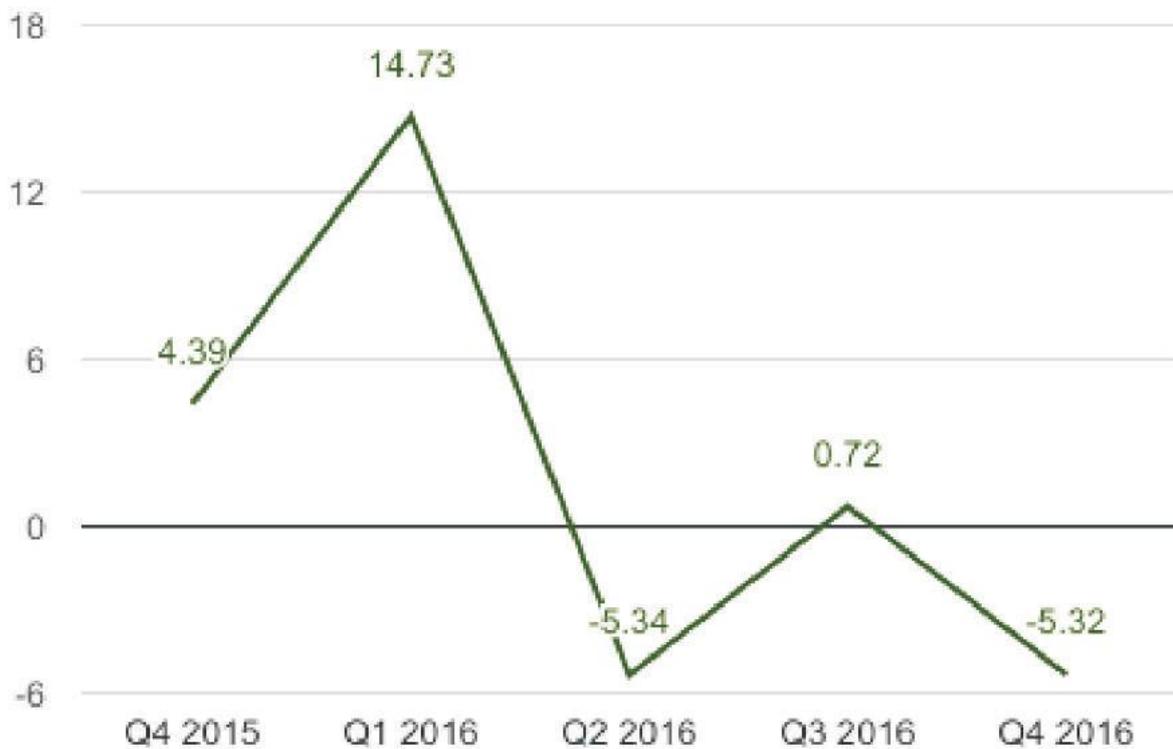
Transportation and Storage: Q4 2015 - Q4 2016

## Transportation and Storage sector



Transportation and Storage sector contracted by -5.32% in Q4 2016 from 0.72% in Q3 2016 and 4.39% in Q4 2015.

### TRANSPORTATION AND STORAGE



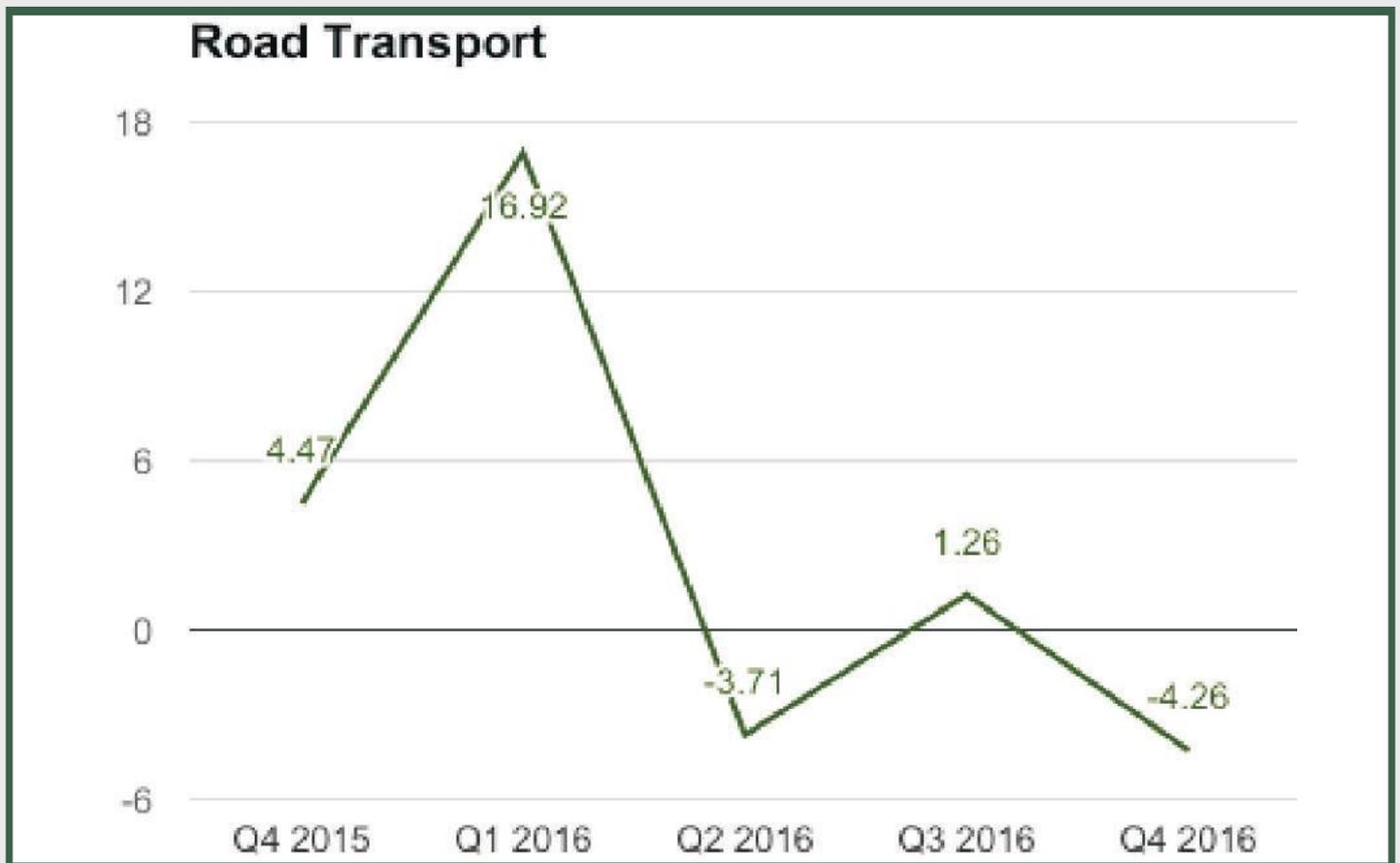
# GDP REPORT Q4 2016

## Road Transport: Q4 2015 - Q4 2016

### Road Transport



Road Transport under Transportation and Storage sector contracted by -4.26% in Q4 2016 from 1.26% in Q3 2016 and 4.47% in Q4 2015.



# GDP REPORT Q4 2016

## Rail Transport & Pipelines: Q4 2015 – Q4 2016

### Rail Transport & Pipelines



Rail Transport & Pipelines under Transportation and Storage sector grew by 0.3% in Q4 2016 from 0.15% in Q3 2016 and 2.52% in Q4 2015.

#### Rail Transport & Pipelines



# GDP REPORT Q4 2016

## Water Transport: Q4 2015 – Q4 2016

### Water Transport



Water Transport under Transportation and Storage sector grew by 1.05% in Q4 2016 from 1.02% in Q3 2016 and 8.21% in Q4 2015.

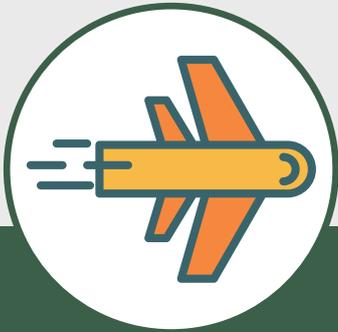
**Water Transport**



# GDP REPORT Q4 2016

Air Transport: Q4 2015 - Q4 2016

## Air Transport



Air Transport under Transportation and Storage sector contracted by -13.25% in Q4 2016 from -3.12% in Q3 2016 and 2.67% in Q4 2015.

### Air Transport



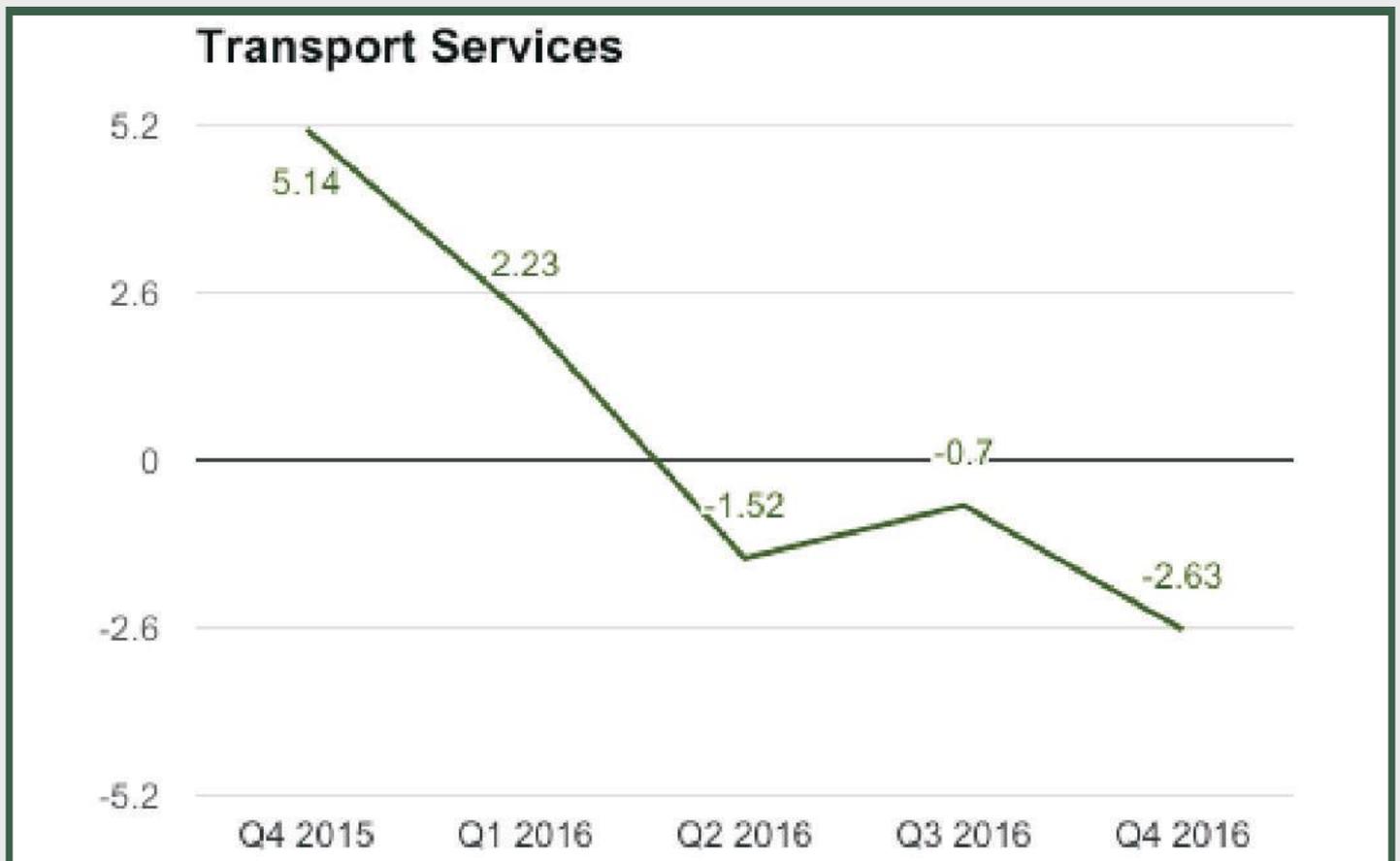
# GDP REPORT Q4 2016

Transport Services: Q4 2015 – Q4 2016

## Transport Services



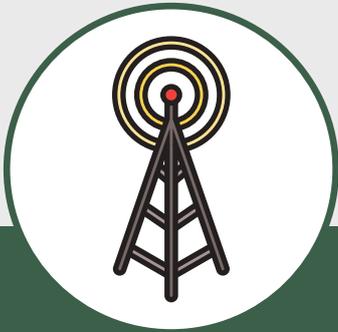
Transport Services under Transportation and Storage sector contracted by -2.63% in Q4 2016 from -0.7% in Q3 2016 and 5.14% in Q4 2015.



# GDP REPORT Q4 2016

Information and Communication: Q4 2015 – Q4 2016

## Information and Communication sector



Information and Communication sector grew by 1.38% in Q4 2016 from 1.11% in Q3 2016 and 4.21% in Q4 2015.

### INFORMATION AND COMMUNICATION



# GDP REPORT Q4 2016

## Post and Courier Services: Q4 2015 – Q4 2016

### Post and Courier Services



Post and Courier Services under Transportation and Storage sector contracted by -20.19% in Q4 2016 from -1.1% in Q3 2016 and 4.64% in Q4 2015.

#### Post and Courier Services



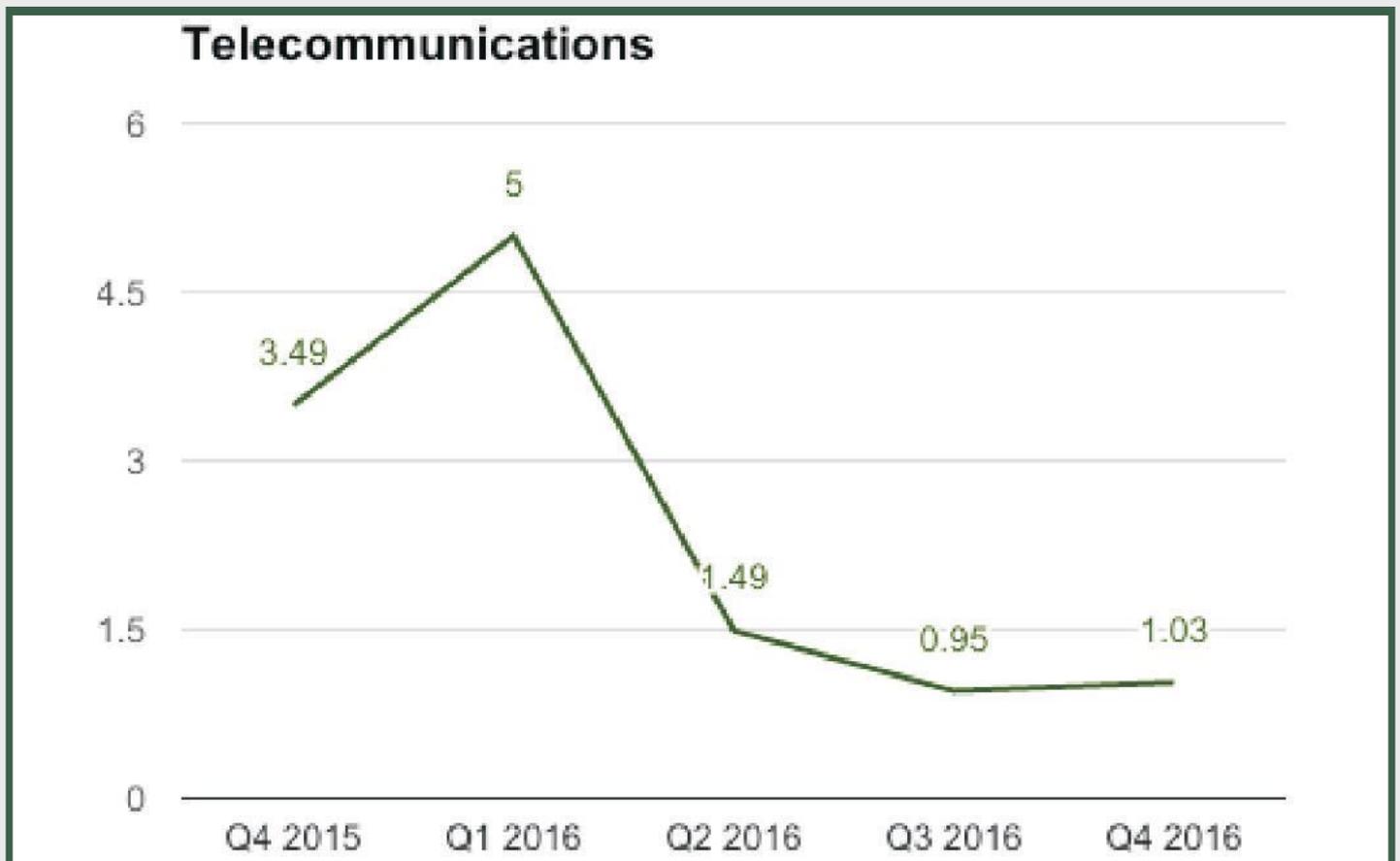
# GDP REPORT Q4 2016

Telecommunications: Q4 2015 - Q4 2016

## Telecommunications



Telecommunications under Information and Communication sector grew by 1.03% in Q4 2016 from 0.95% in Q3 2016 and 3.49% in Q4 2015.



# GDP REPORT Q4 2016

Publishing: Q4 2015 - Q4 2016

## Publishing



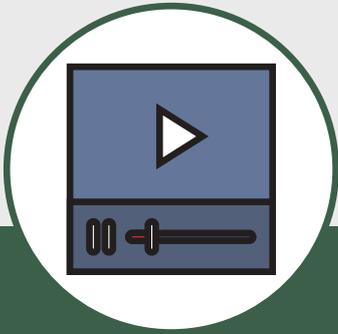
Publishing under Information and Communication sector grew by 0.46% in Q4 2016 from 2.42% in Q3 2016 and 8.56% in Q4 2015.



# GDP REPORT Q4 2016

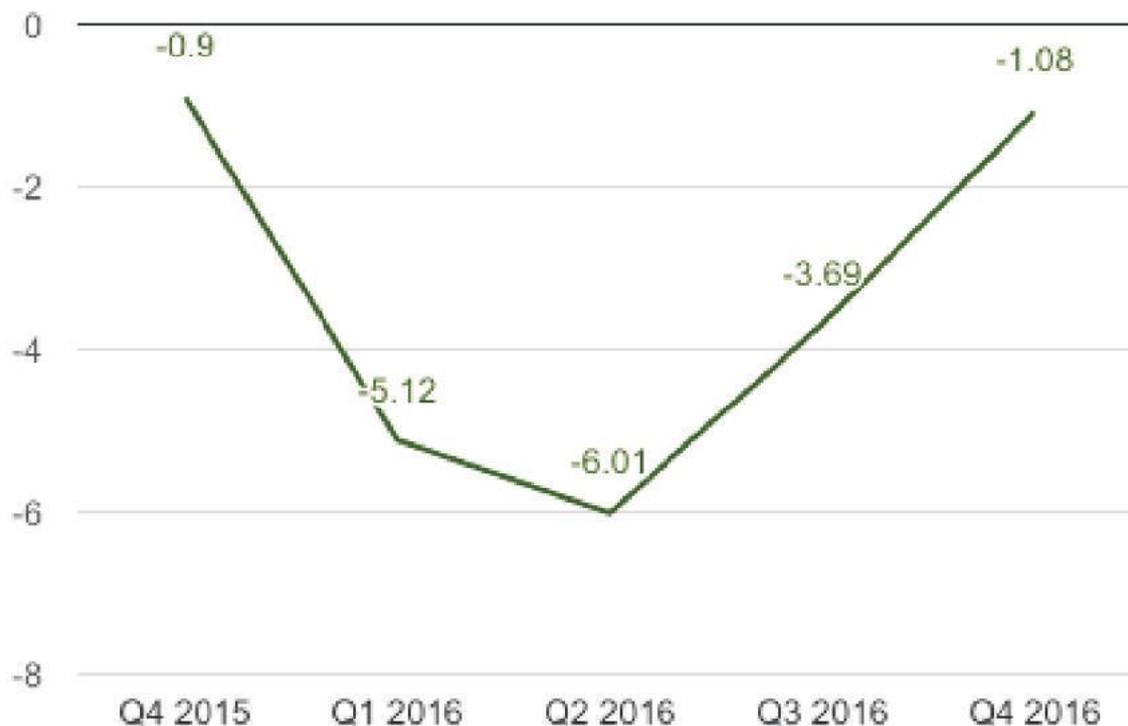
Motion Pictures, Sound recording and Music production: Q4 2015 – Q4 2016

## Motion Pictures, Sound recording and Music production



Motion Pictures, Sound recording and Music production under Information and Communication sector contracted by -1.08% in Q4 2016 from -3.69% in Q3 2016 and -0.9% in Q4 2015.

### Motion Pictures, Sound recording and Music production



# GDP REPORT Q4 2016

Broadcasting: Q4 2015 - Q4 2016

## Broadcasting



Broadcasting under Information and Communication sector grew by 5.33% in Q4 2016 from 6.27% in Q3 2016 and 13.28% in Q4 2015.



# GDP REPORT Q4 2016

Arts, Entertainment and Recreation: Q4 2015 – Q4 2016

## Arts, Entertainment and Recreation



Arts, Entertainment and Recreation sector grew by 2.04% in Q4 2016 from 1.99% in Q3 2016 and 6.54% in Q4 2015.

### ARTS, ENTERTAINMENT AND RECREATION



# GDP REPORT Q4 2016

Financial and Insurance: Q4 2015 - Q4 2016

## Financial and Insurance Sector



Financial and Insurance sector grew by 2.68% in Q4 2016 from 2.64% in Q3 2016 and 6.41% in Q4 2015.

### FINANCIAL AND INSURANCE



# GDP REPORT Q4 2016

Financial Institutions: Q4 2015 – Q4 2016

## Financial Institutions



Financial Institutions under Financial and Insurance sector grew by 2.92% in Q4 2016 from 2.85% in Q3 2016 and 6.62% in Q4 2015.



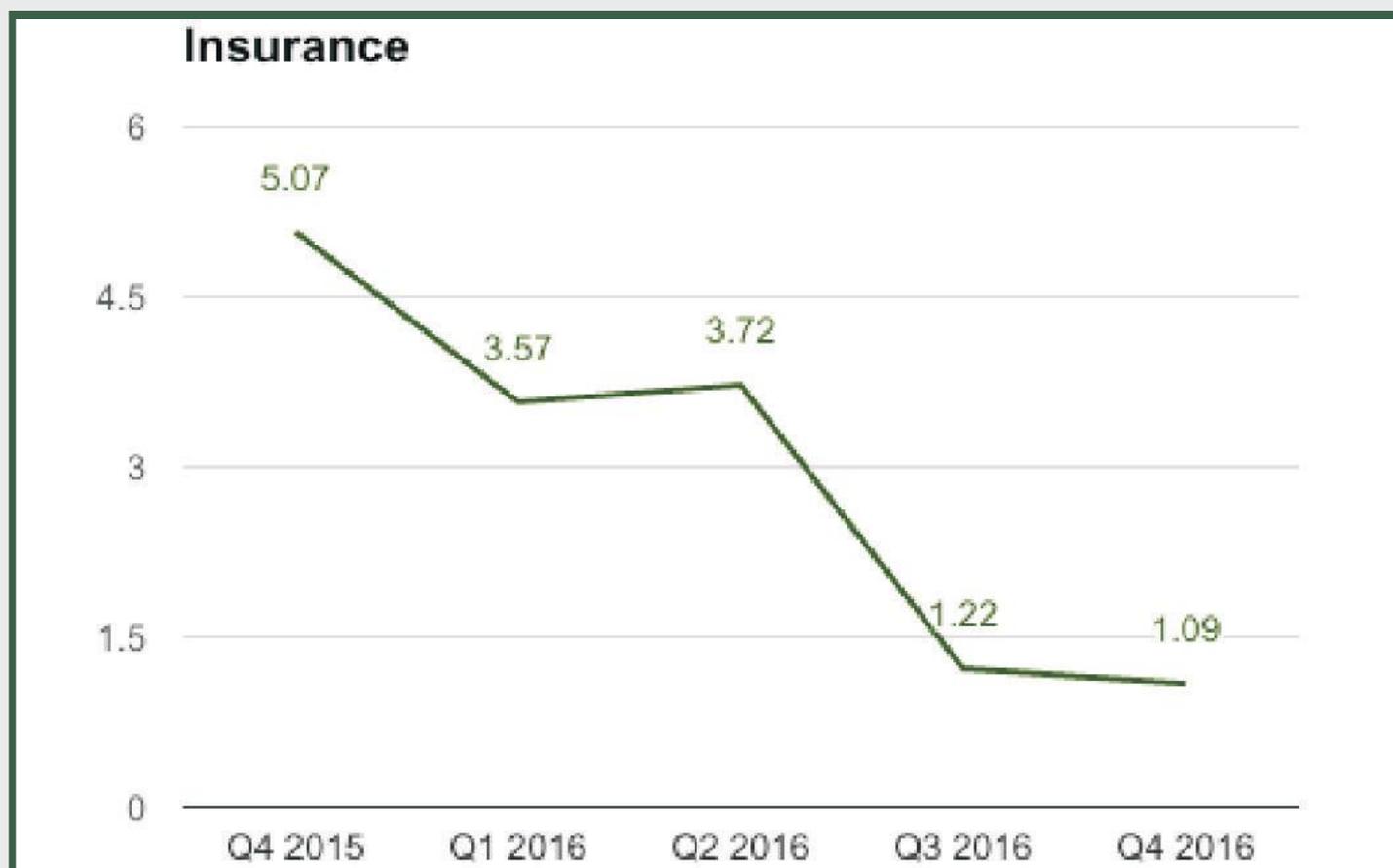
# GDP REPORT Q4 2016

Insurance: Q4 2015 – Q4 2016

## Insurance



Insurance under Financial and Insurance sector grew by 1.09% in Q4 2016 from 1.22% in Q3 2016 and 5.07% in Q4 2015.



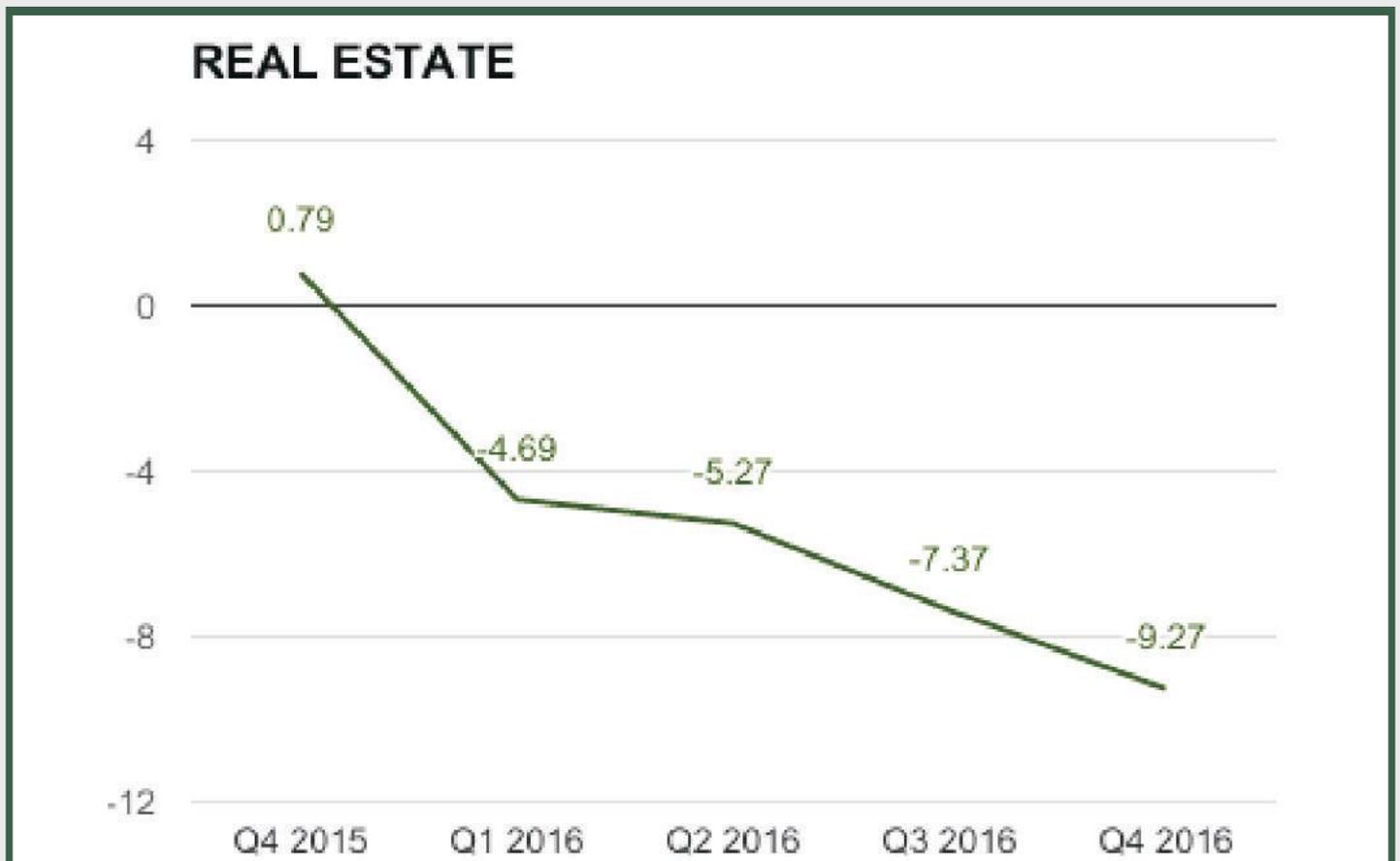
# GDP REPORT Q4 2016

Real Estate: Q4 2015 - Q4 2016

## Real Estate



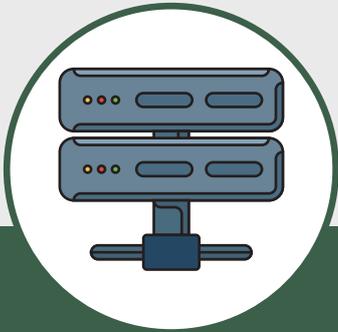
Real Estate sector contracted by -9.27% in Q4 2016 from -7.37% in Q3 2016 and 0.79% in Q4 2015.



# GDP REPORT Q4 2016

Professional, Scientific and Technical Services: Q4 2015 – Q4 2016

## Professional, Scientific and Technical Services



Professional, Scientific and Technical Services sector grew by 1.45% in Q4 2016 from 1.4% in Q3 2016 and 3.16% in Q4 2015.

### PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES



# GDP REPORT Q4 2016

Administrative & Support Services: Q4 2015 – Q4 2016

## Administrative & Support Services



Administrative & Support Services sector grew by 2.07% in Q4 2016 from 0.01% in Q3 2016 and 3.04% in Q4 2015.

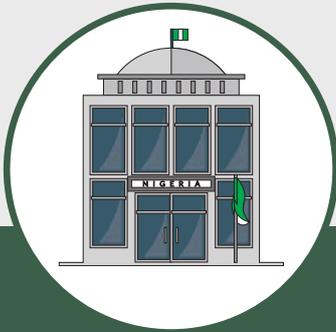
### ADMINISTRATIVE & SUPPORT SERVICES



# GDP REPORT Q4 2016

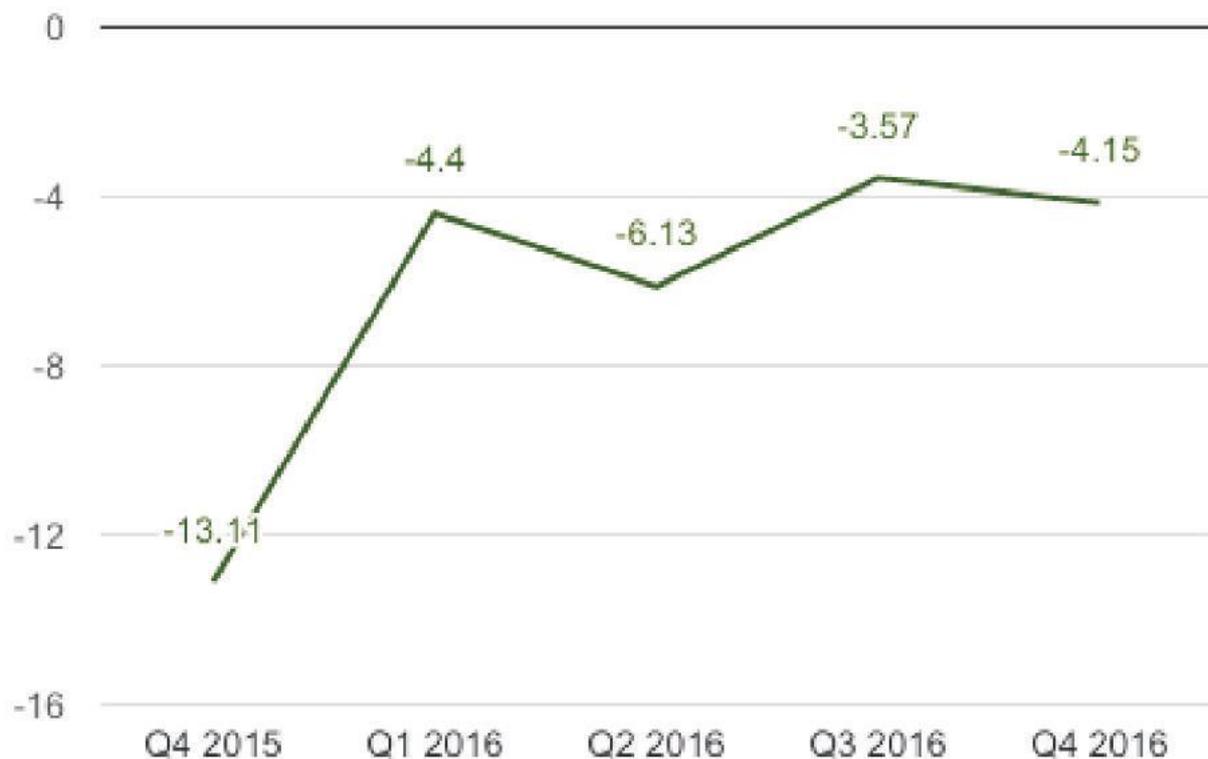
Public Administration: Q4 2015 – Q4 2016

## Public Administration



Public Administration sector contracted by -4.15% in Q4 2016 from -3.57% in Q3 2016 and -6.13% in Q4 2015.

### PUBLIC ADMINISTRATION



# GDP REPORT Q4 2016

Education: Q4 2015 – Q4 2016

## Education



Education sector contracted by -0.09% in Q4 2016 from -0.11% in Q3 2016 and 8.13% in Q4 2015.

### EDUCATION



# GDP REPORT Q4 2016

Human Health and Social Services: Q4 2015 – Q4 2016

## Human Health and Social Services



Human Health and Social Services sector contracted by -2.49% in Q4 2016 from -2.31% in Q3 2016 and -2.64% in Q4 2015.

### HUMAN HEALTH AND SOCIAL SERVICES



# GDP REPORT Q4 2016

Other Services: Q4 2015 – Q4 2016

## Other Services



Other Services sector grew by 3.07% in Q4 2016 from 4.01% in Q3 2016 and 17.02% in Q4 2015.

### OTHER SERVICES

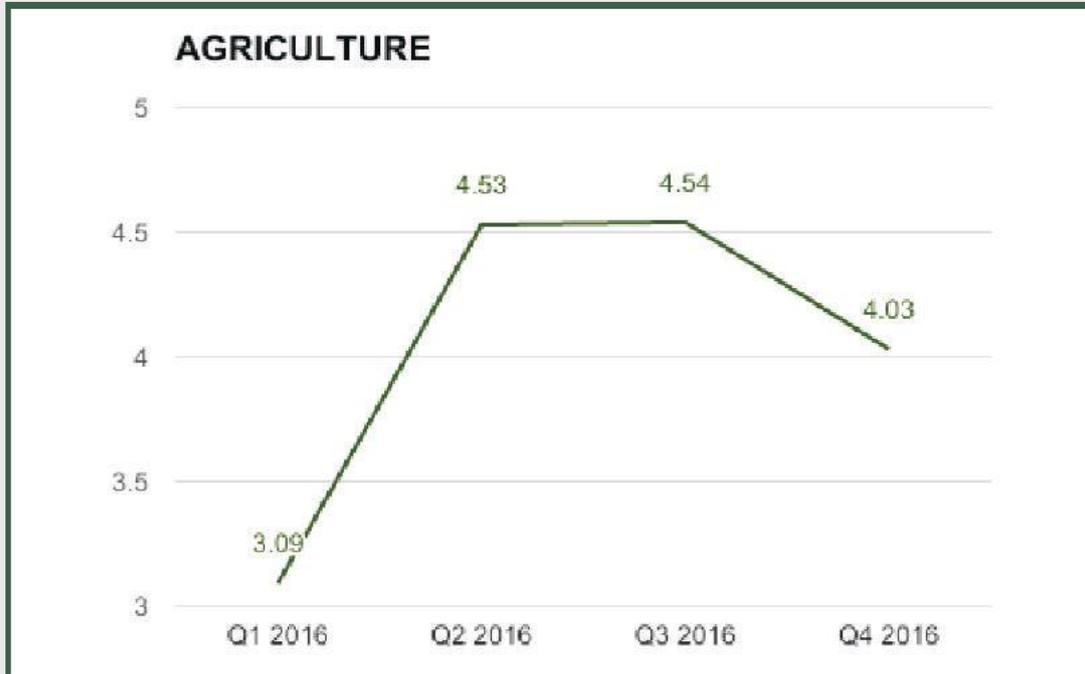




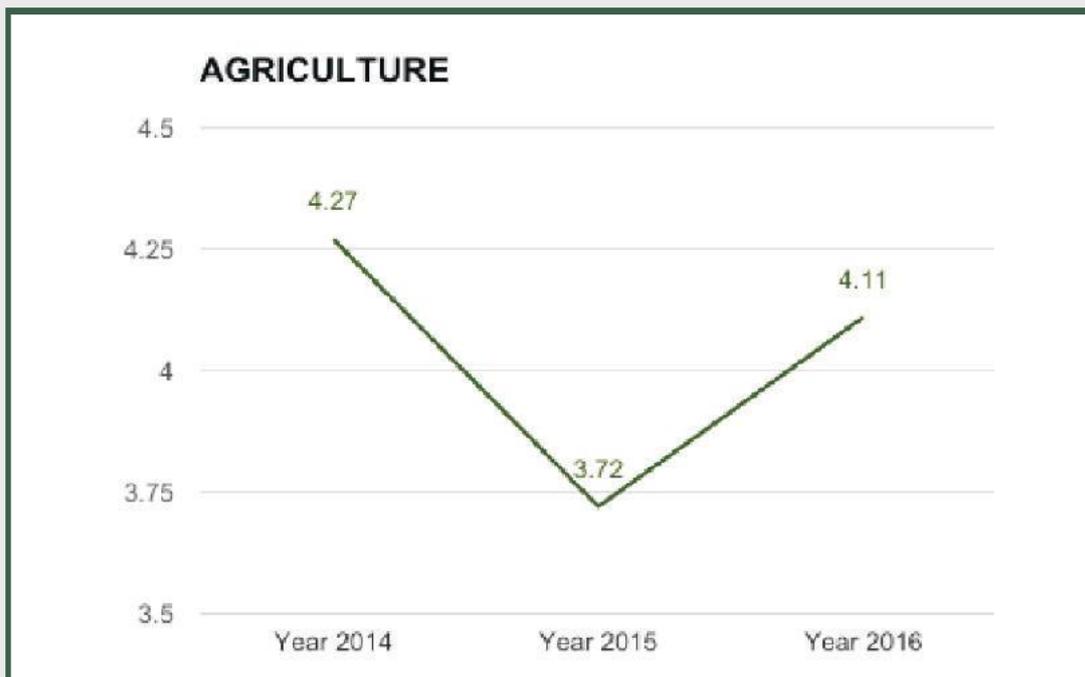
# GDP REPORT Q4 2016

## Agriculture: Q4 2016

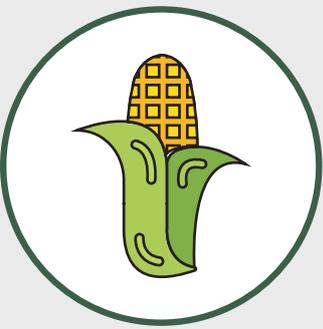
### Agriculture sector



Agriculture sector grew by 4.03% in Q4 2016 from 4.54% in Q3 2016 and 4.53% in Q2 2016.



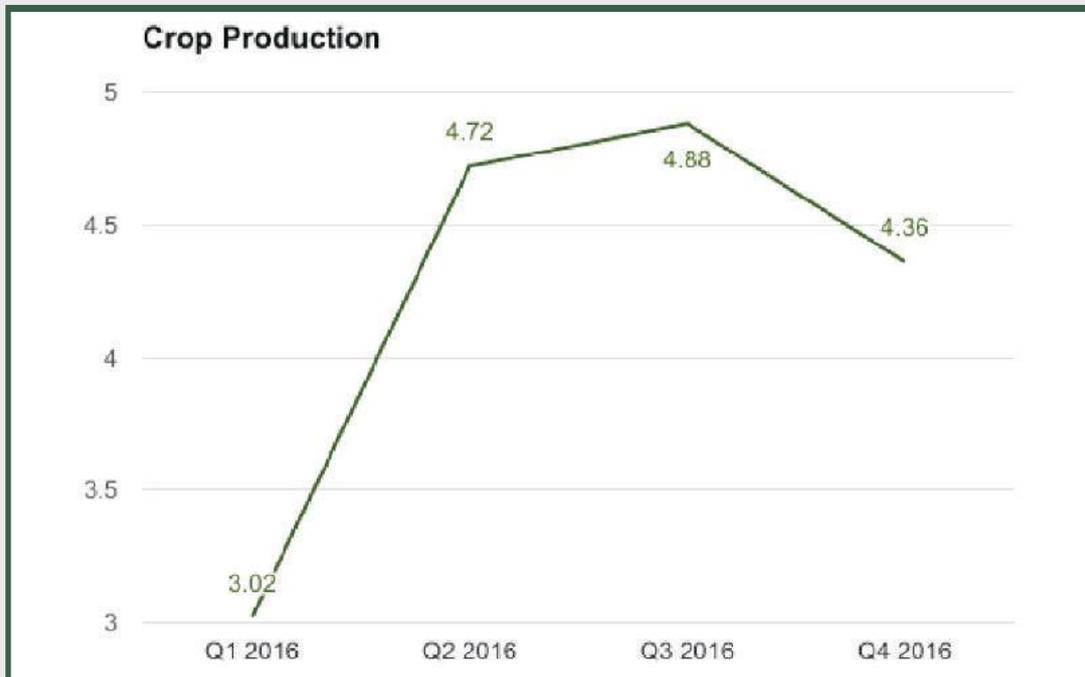
Agriculture sector grew by 4.11% in full year 2016 from 3.72% in 2015 and 4.27% in 2014.



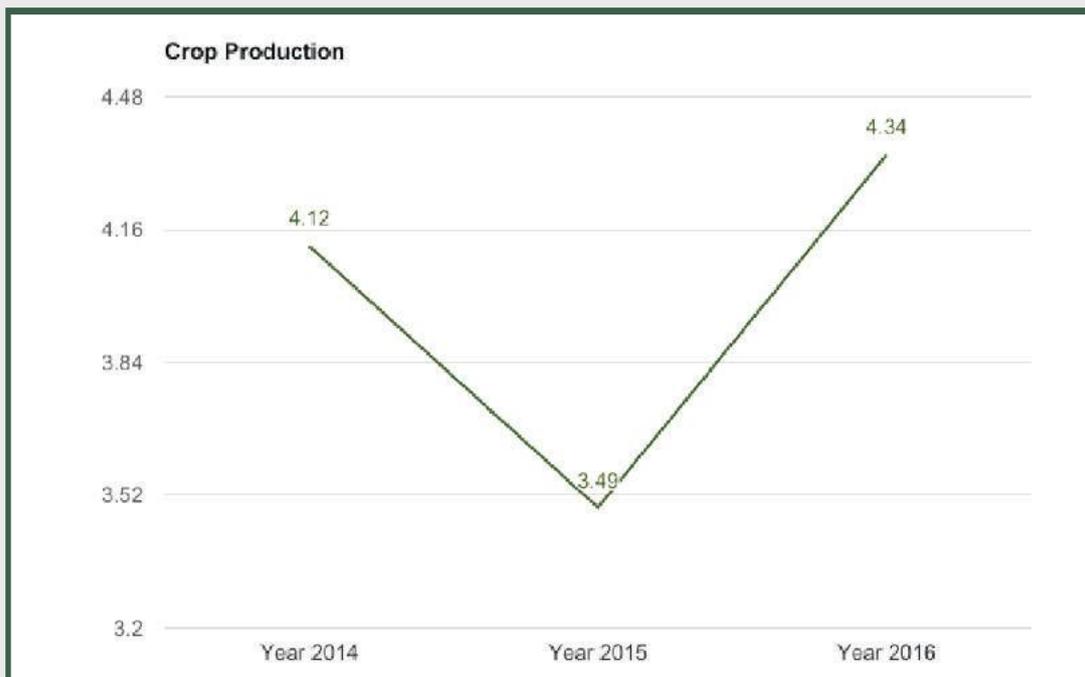
# GDP REPORT Q4 2016

## Crop Production - Q4 2016

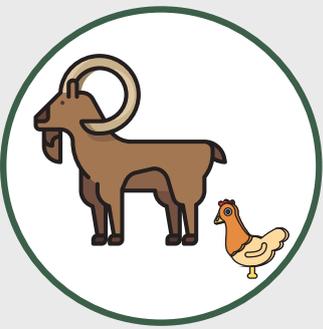
### Crop Production



Crop Production under agriculture sector grew by 4.36% in Q4 2016 from 4.88% in Q3 2016 and 4.72% in Q2 2016.



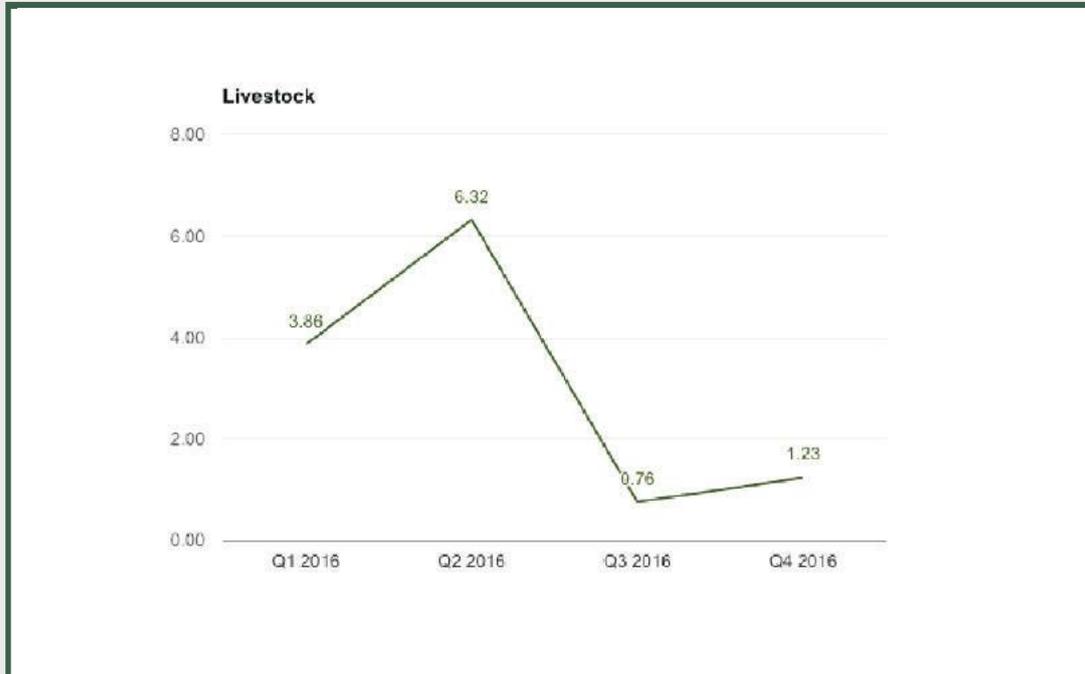
Crop Production under agriculture sector grew by 4.34% in full year 2016 from 3.49% in 2015 and 4.12% in 2014



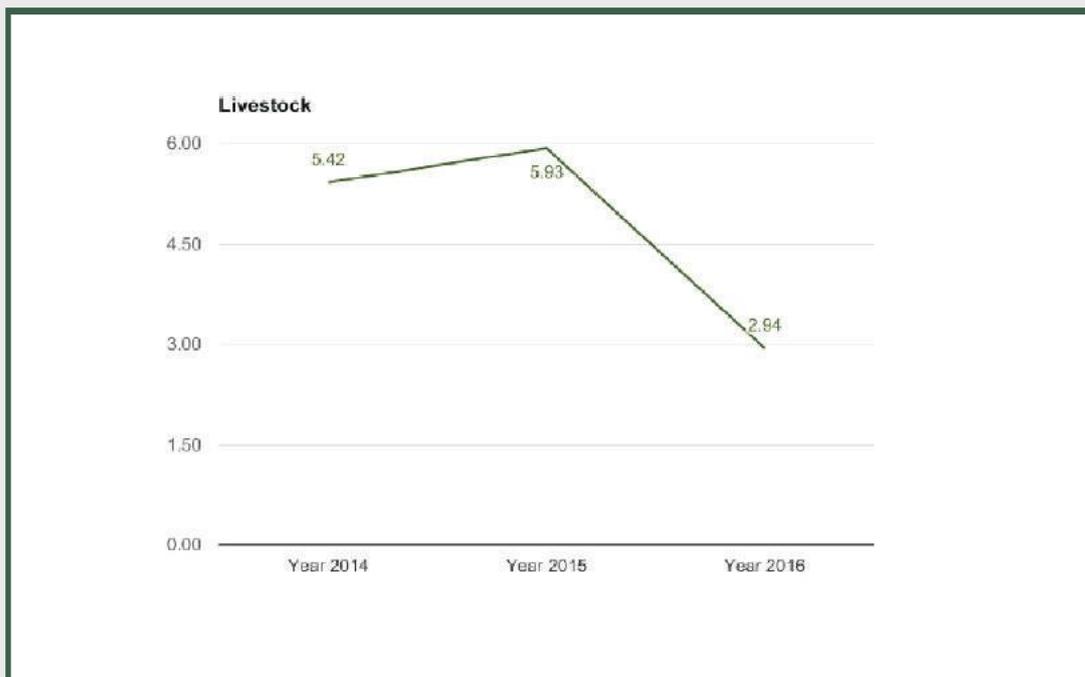
# GDP REPORT Q4 2016

## Livestock – Q4 2016

### Livestock



Livestock under agriculture sector grew by 1.23% in Q4 2016 from 0.76% in Q3 2016 and 6.32% in Q2 2016.



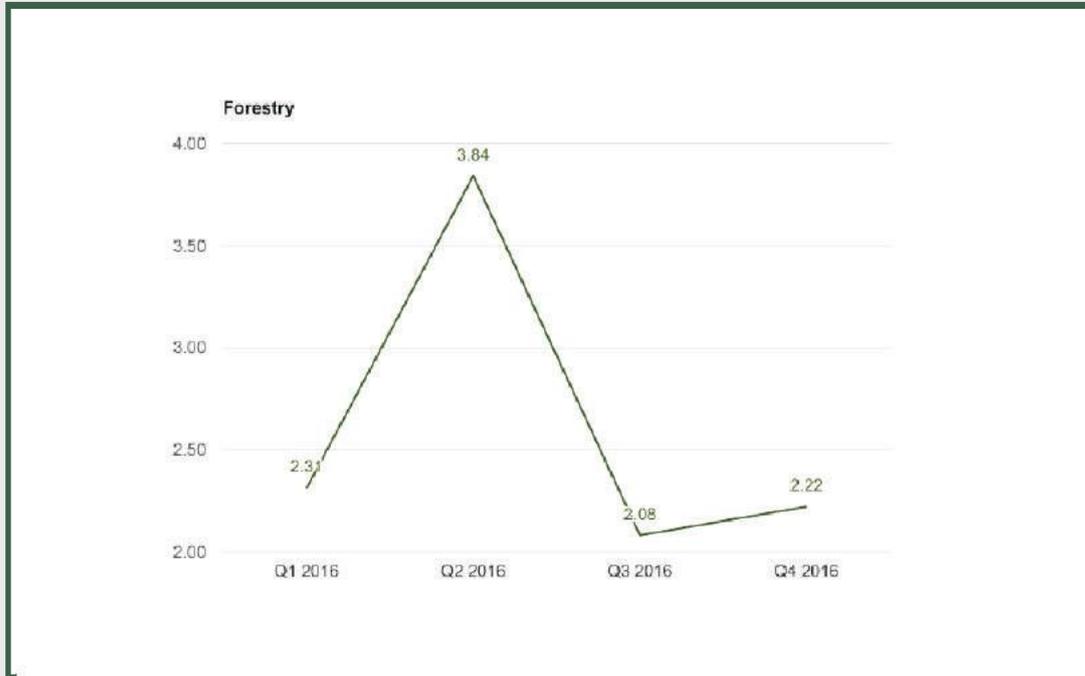
Livestock under agriculture sector grew by 2.94% in full year 2016 from 5.93% in 2015 and 5.42% in 2014.



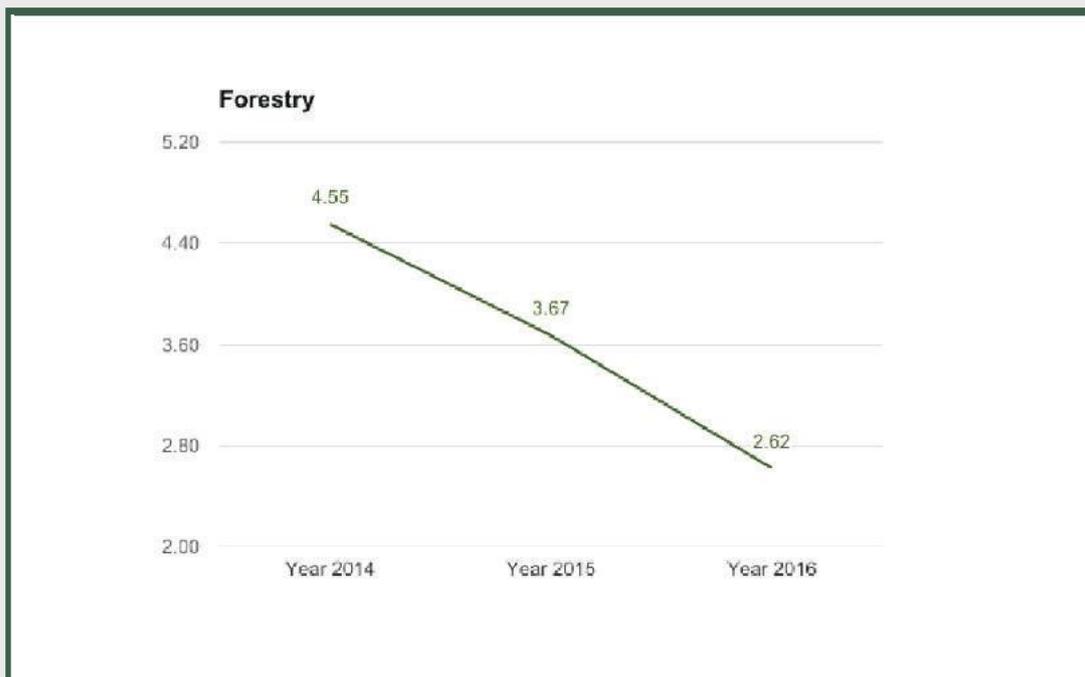
# GDP REPORT Q4 2016

## Forestry - Q4 2016

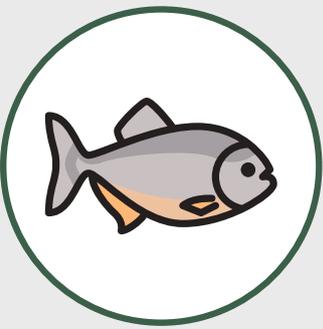
### Forestry



Forestry under agriculture sector grew by 2.22% in Q4 2016 from 2.08% in Q3 2016 and 3.84% in Q2 2016.



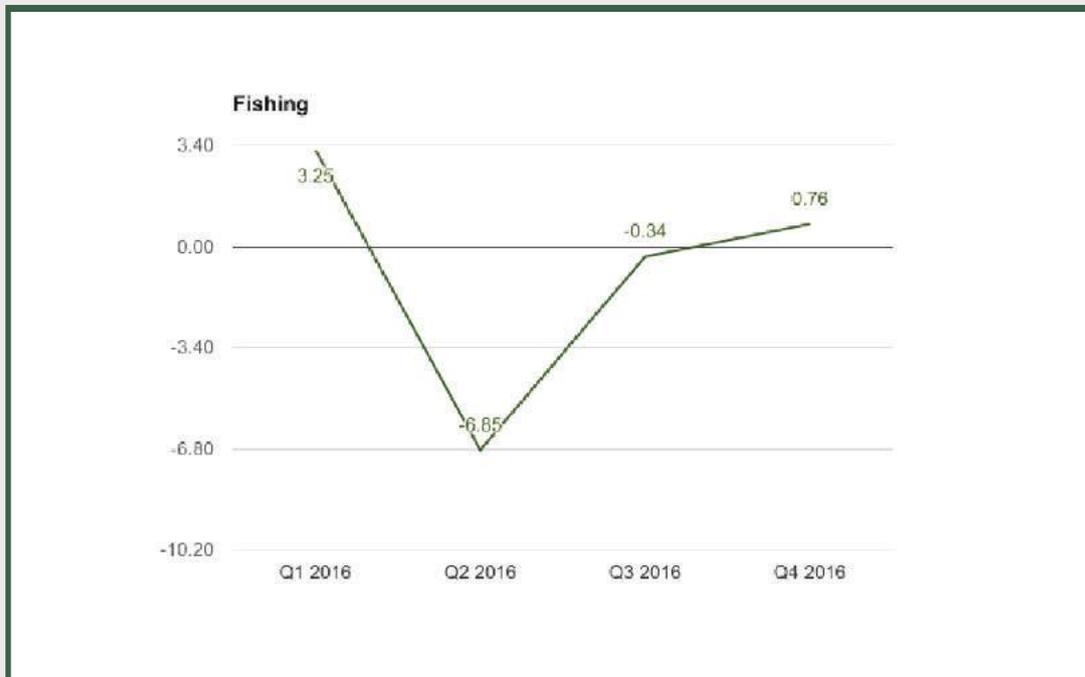
Forestry under agriculture sector grew by 2.62% in full year 2016 from 3.67% in 2015 and 4.55% in 2014.



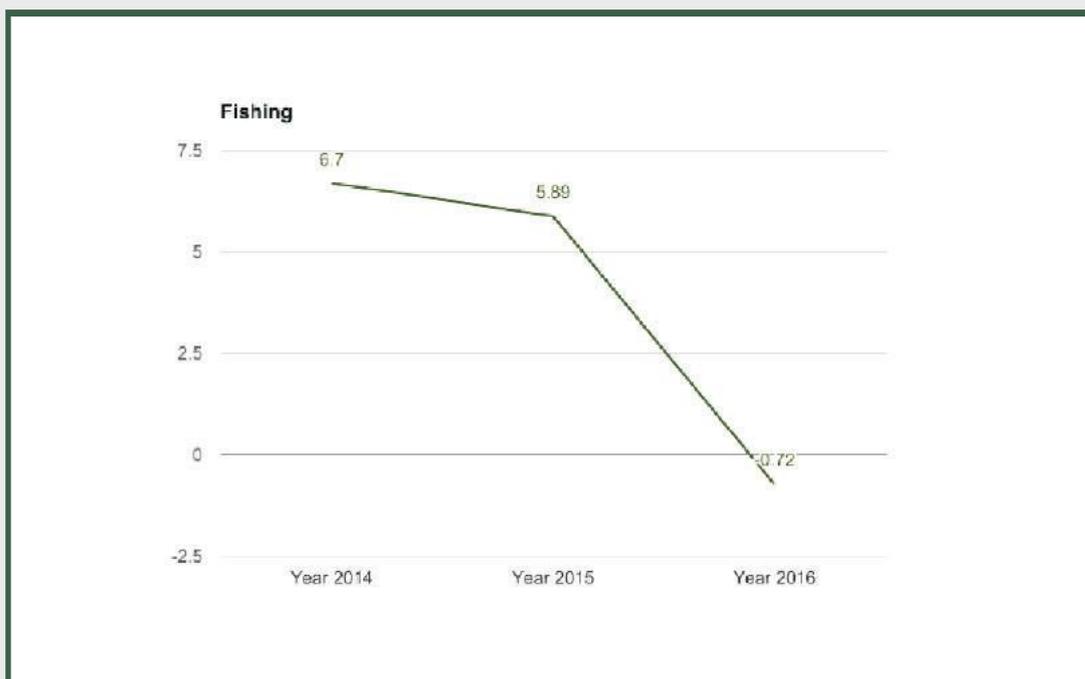
# GDP REPORT Q4 2016

## Fishing - Q4 2016

### Fishing



Fishing under agriculture sector grew by 0.76% in Q4 2016 from -0.34% in Q3 2016 and -6.85% in Q2 2016.



Fishing under agriculture sector grew by 0.72% in full year 2016 from 5.89% in 2015 and 6.7% in 2014.



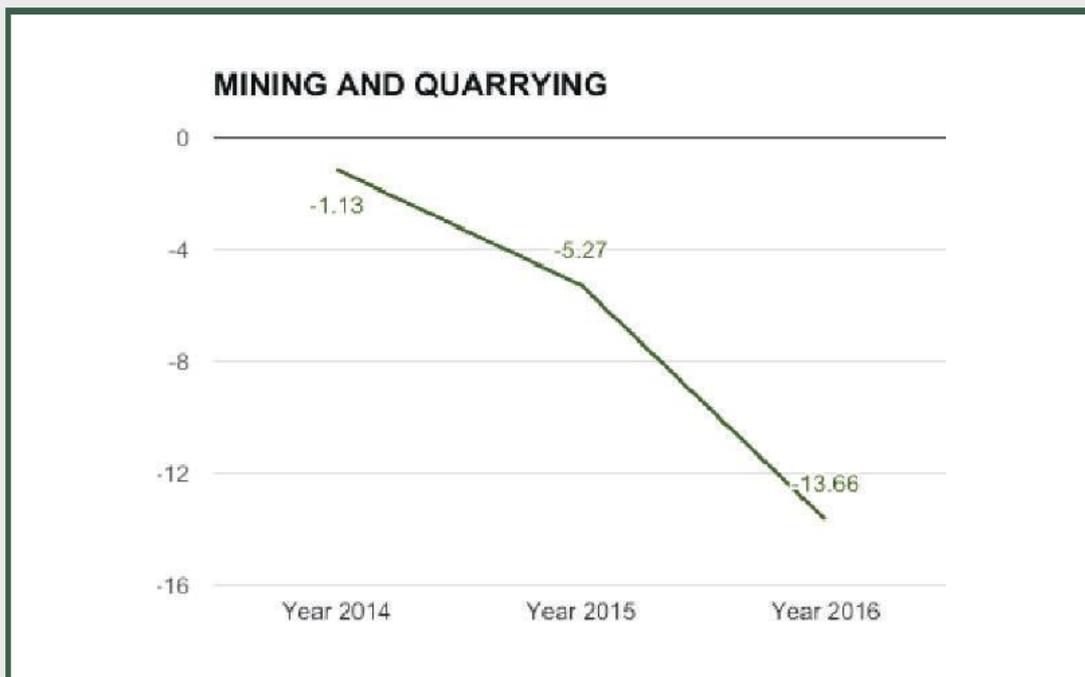
# GDP REPORT Q4 2016

## Mining and Quarrying: Q4 2016

### Mining and Quarrying sector



Mining and Quarrying sector contracted by -12.04% in Q4 2016 from -21.64% in Q3 2016 and -17.19% in Q2 2016.



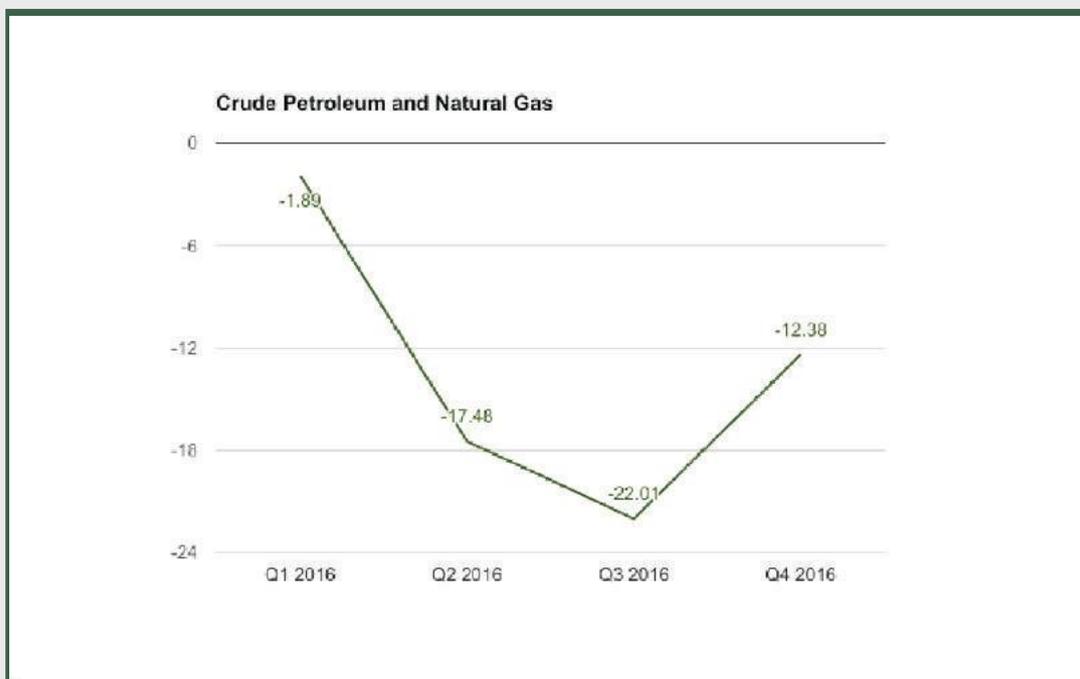
Mining and Quarrying sector contracted by -13.66% in full year 2016 from -5.27% in 2015 and -1.13% in 2014.



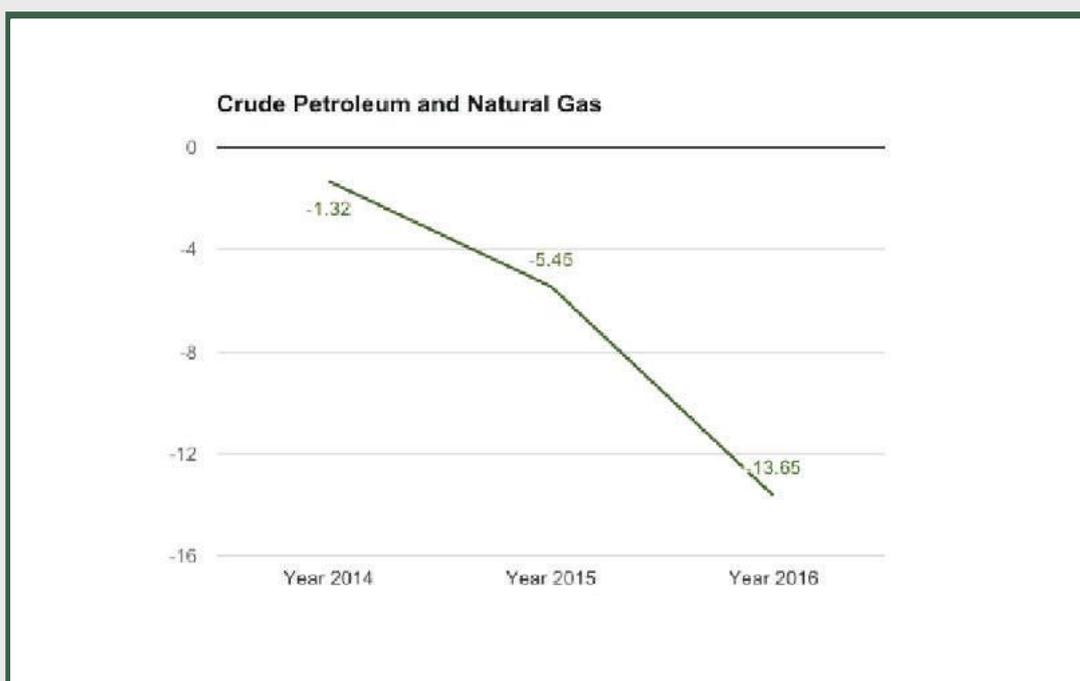
# GDP REPORT Q4 2016

## Crude Petroleum and Natural Gas – Q4 2016

### Crude Petroleum and Natural Gas



Crude Petroleum and Natural Gas under Mining And Quarrying sector contracted by -12.38% in Q4 2016 from -22.01% in Q3 2016 and -17.48% in Q2 2016.



Crude Petroleum and Natural Gas under Mining And Quarrying sector contracted by -13.65% in full year 2016 from -5.45% in 2015 and -1.32% in 2014.



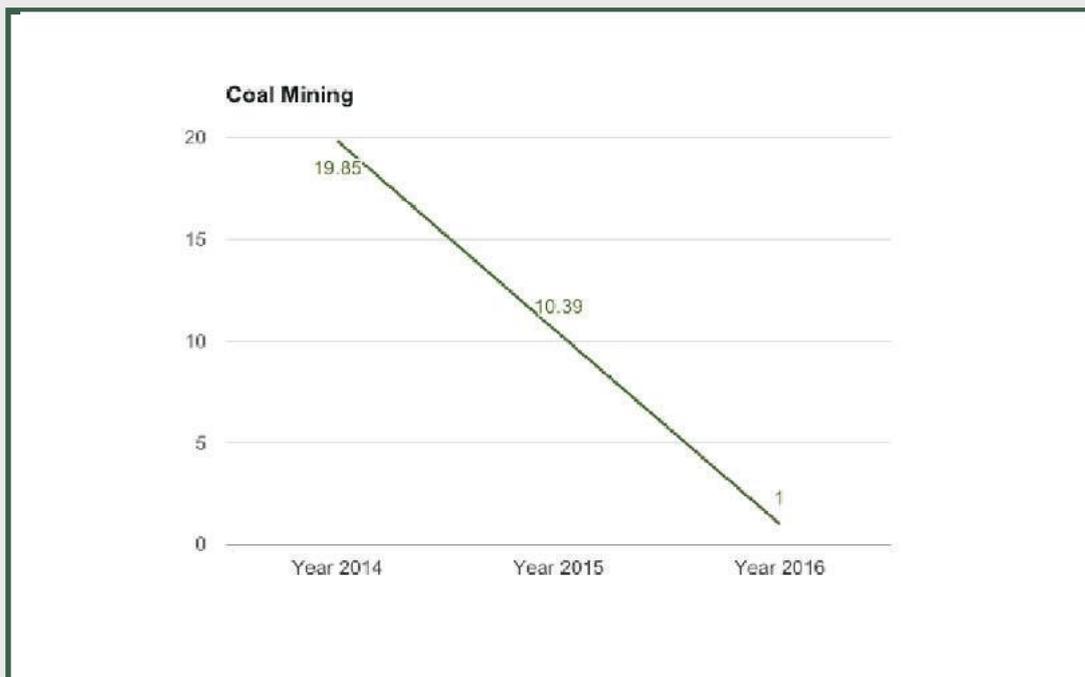
# GDP REPORT Q4 2016

## Coal Mining – Q4 2016

### Coal Mining



Coal Mining under Mining And Quarrying sector grew by 0.44% in Q4 2016 from -7.76% in Q3 2016 and 2.68% in Q2 2016.



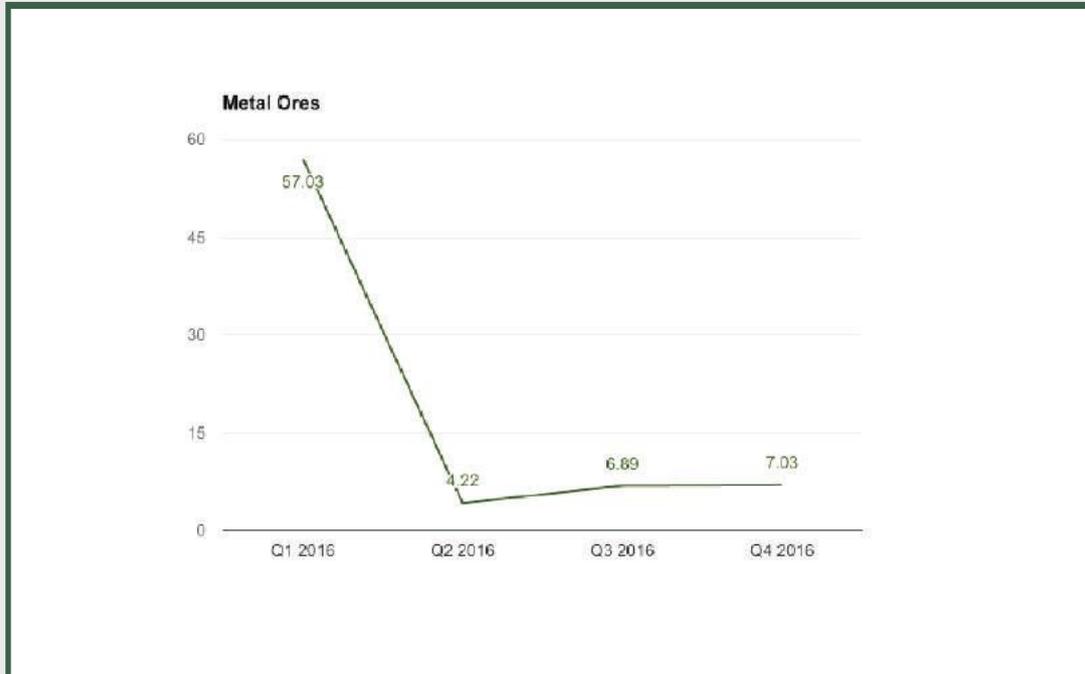
Coal Mining under Mining And Quarrying sector grew by 1% in full year 2016 from 10.39% in 2015 and 19.86% in 2014.



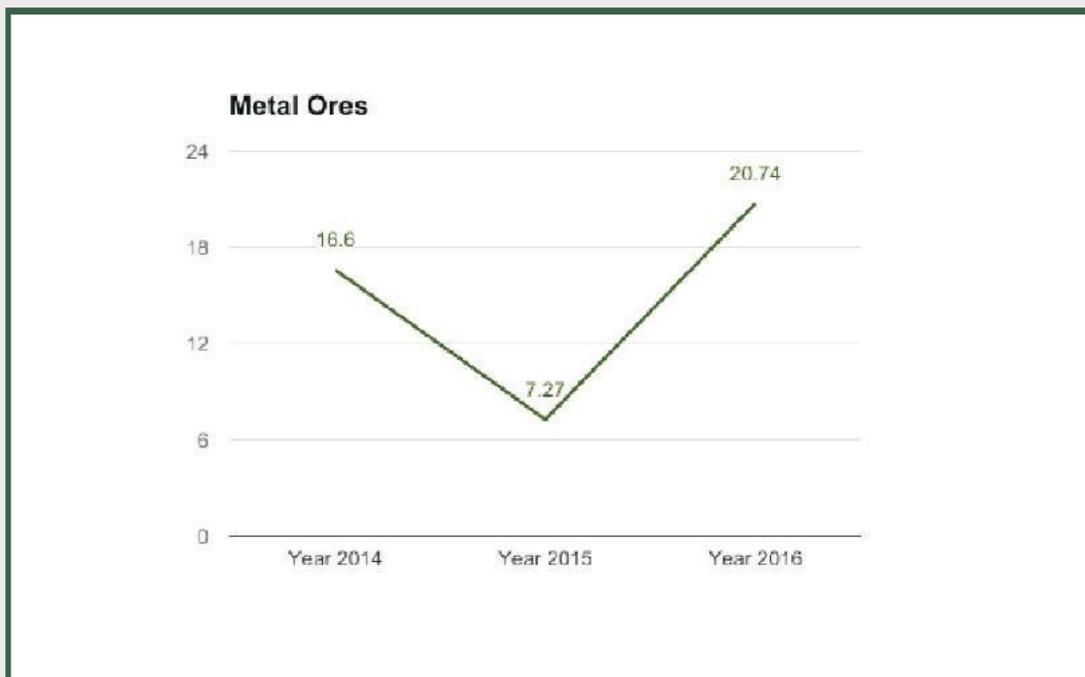
# GDP REPORT Q4 2016

## Metal Ores: – Q4 2016

### Metal Ores



Metal Ores under Mining And Quarrying sector grew by 7.03% in Q4 2016 from 6.89% in Q3 2016 and 4.22% in Q2 2016.



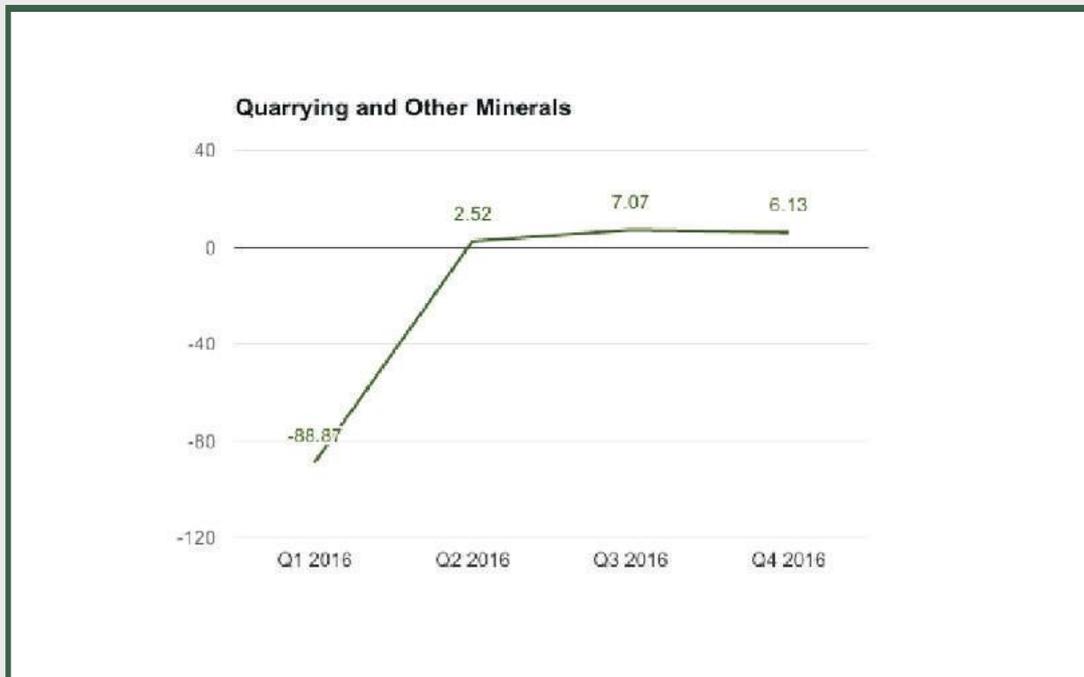
Metal Ores under Mining And Quarrying sector grew by 20.74% in full year 2016 from 7.27% in 2015 and 16.6% in 2014.



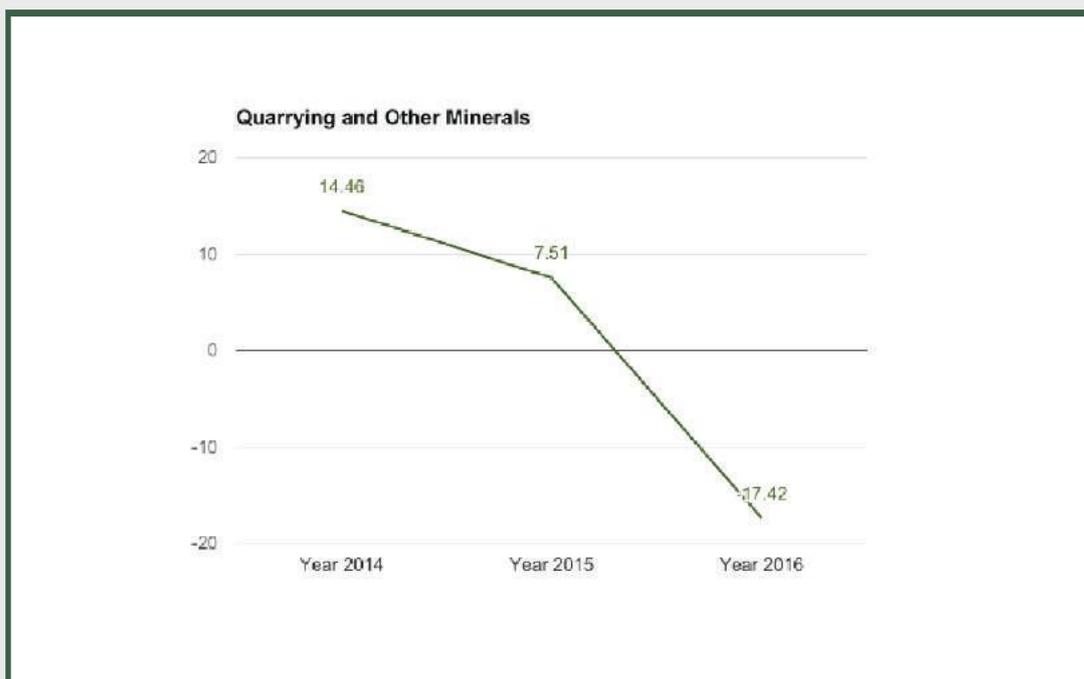
# GDP REPORT Q4 2016

## Quarrying and Other Minerals: – Q4 2016

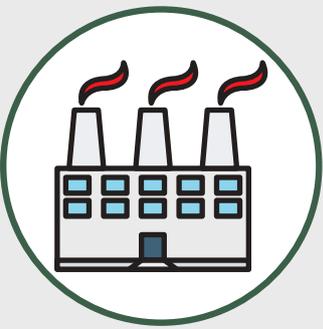
### Quarrying and Other Minerals



Quarrying and Other Minerals under Mining And Quarrying sector grew by 6.13% in Q4 2016 from 7.07% in Q3 2016 and 2.52% in Q2 2016.



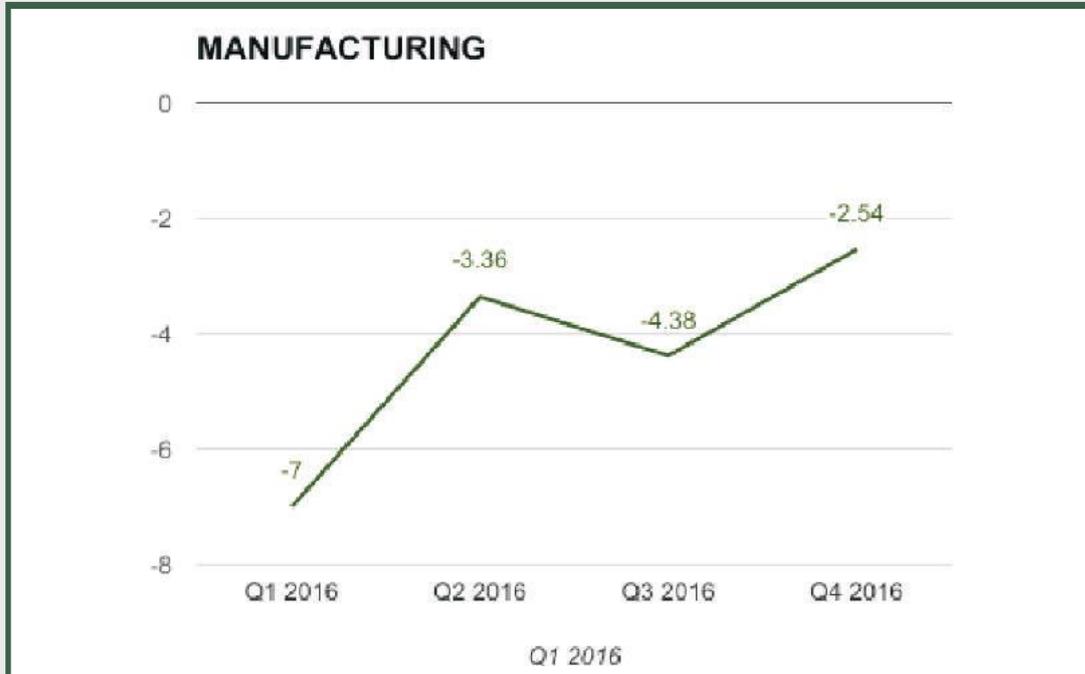
Quarrying and Other Minerals under Mining And Quarrying sector contracted by -17.42% in full year 2016 from 7.51% in 2015 and 14.46% in 2014.



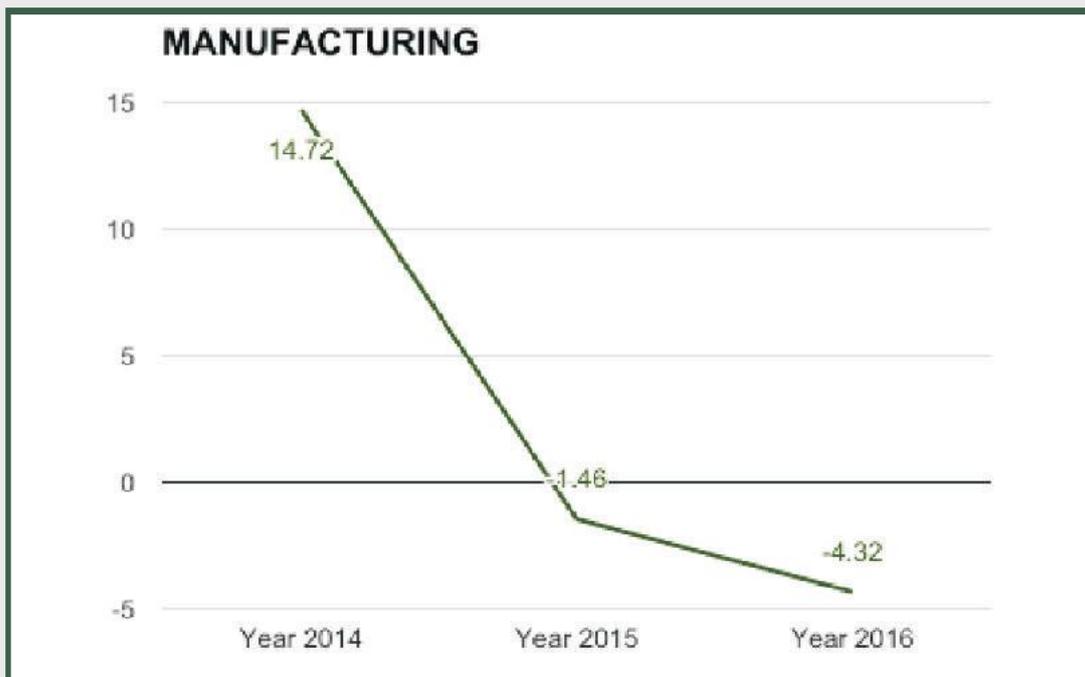
# GDP REPORT Q4 2016

## Manufacturing: Q4 2016

### Manufacturing sector



Manufacturing sector contracted by -2.54% in Q4 2016 from -4.38% in Q3 2016 and -3.36% in Q2 2016.



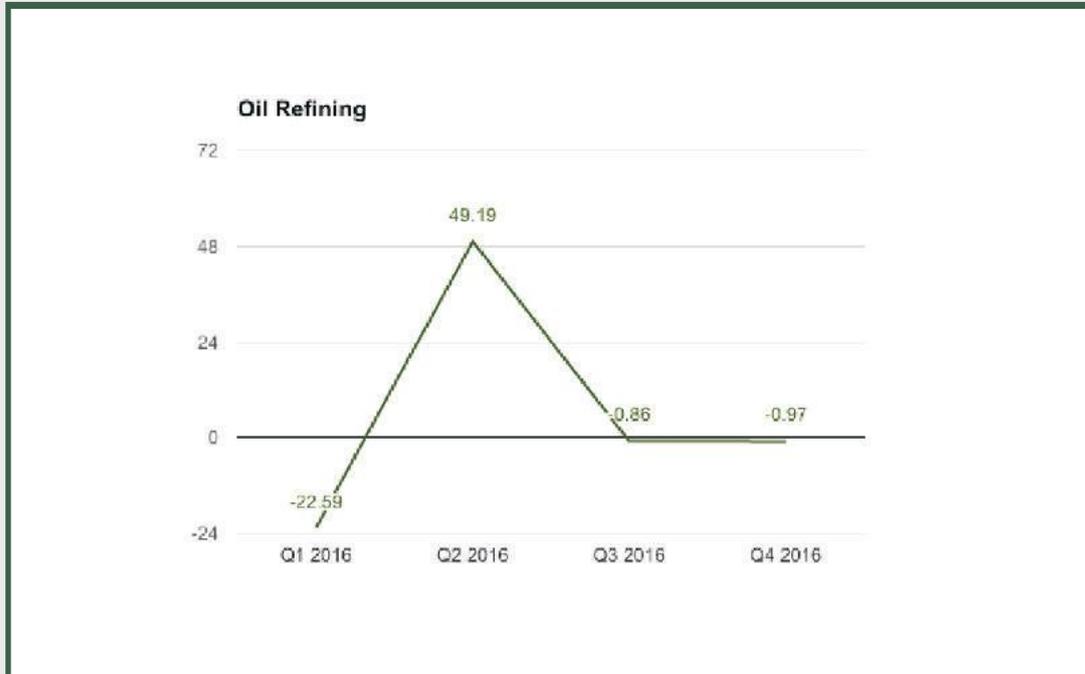
Manufacturing sector contracted by -4.32% in full year 2016 from -1.46% in 2015 and 14.72% in 2014.



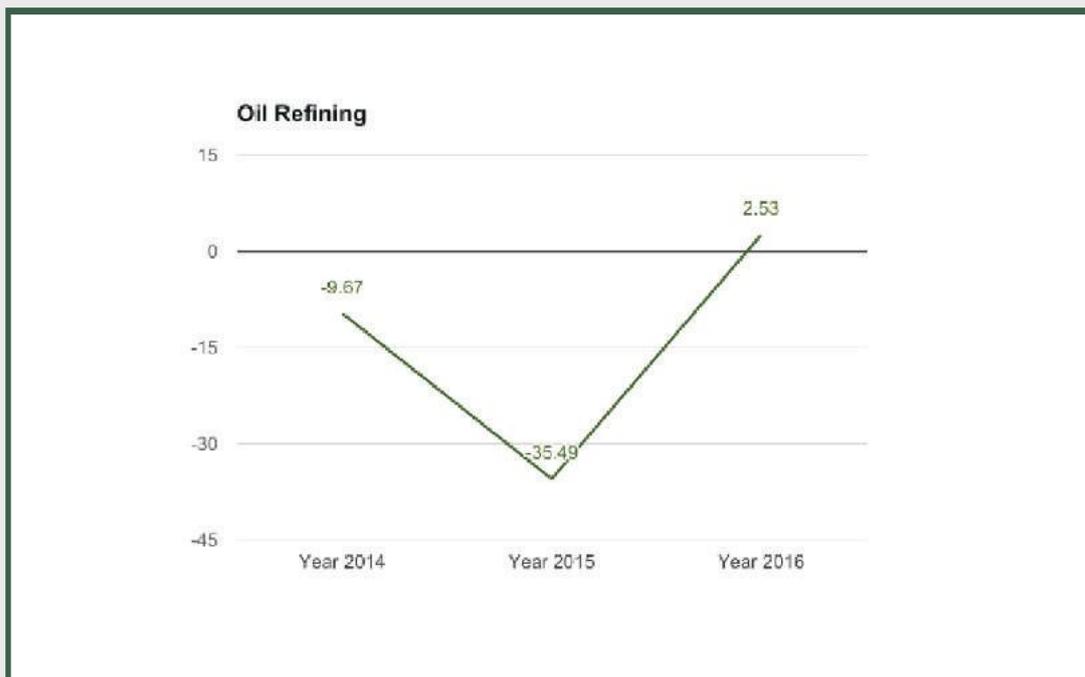
# GDP REPORT Q4 2016

## Oil Refining: - Q4 2016

### Oil Refining



Oil Refining under manufacturing sector contracted by -0.97% in Q4 2016 from -0.86% in Q3 2016 and 49.19% in Q2 2016.



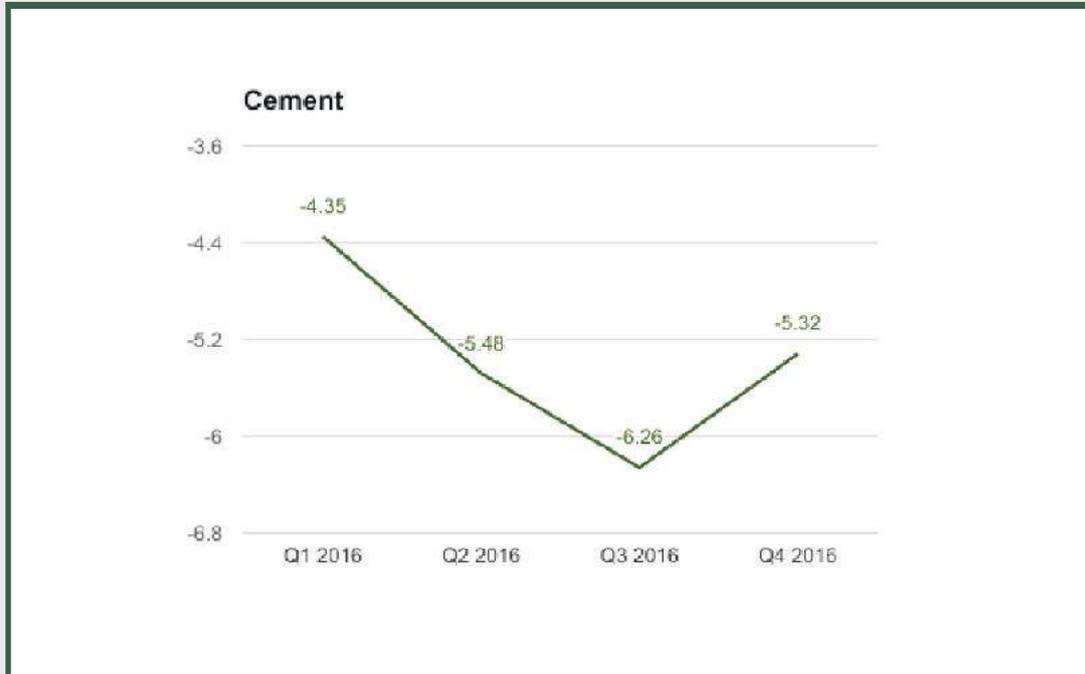
Oil Refining under manufacturing sector grew by 2.53% in full year 2016 from -35.49% in 2015 and -9.76% in 2014.



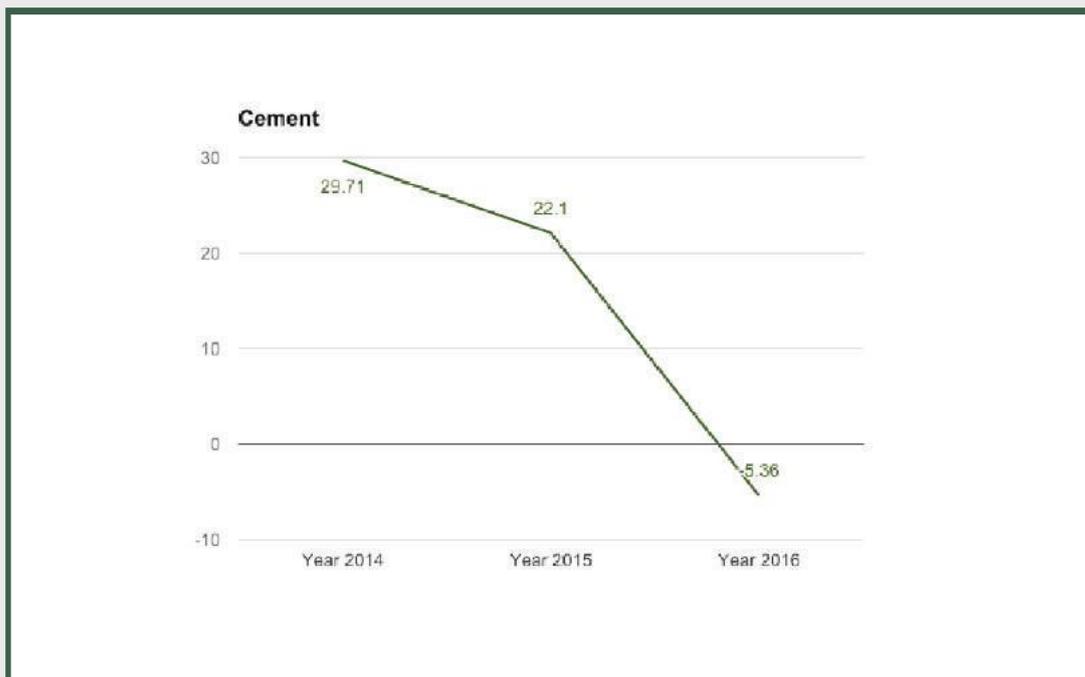
# GDP REPORT Q4 2016

Cement: - Q4 2016

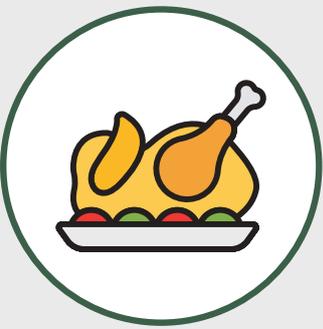
## Cement



Cement under manufacturing sector contracted by -5.32% in Q4 2016 from -6.26% in Q3 2016 and -5.48% in Q2 2016.



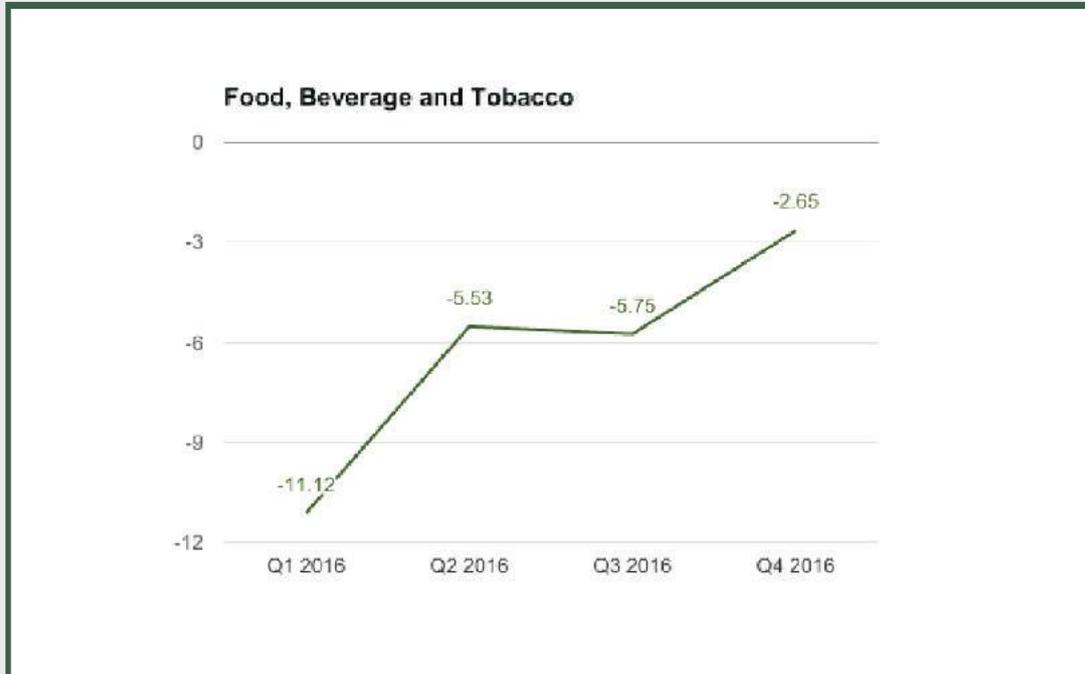
Cement under manufacturing sector contracted by 5.36% in full year 2016 from 22.1% in 2015 and 29.71% in 2014.



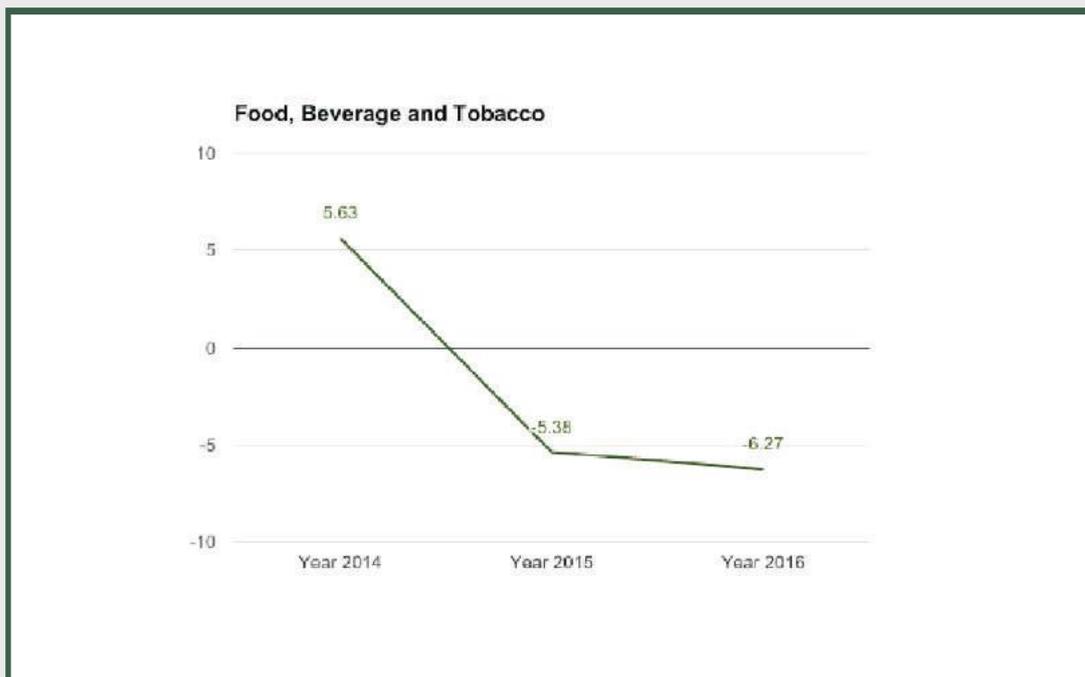
# GDP REPORT Q4 2016

## Food, Beverage and Tobacco: - Q4 2016

### Food, Beverage and Tobacco



Food, Beverage and Tobacco under manufacturing sector contracted by -2.65% in Q4 2016 from -5.76% in Q3 2016 and -5.53% in Q2 2016



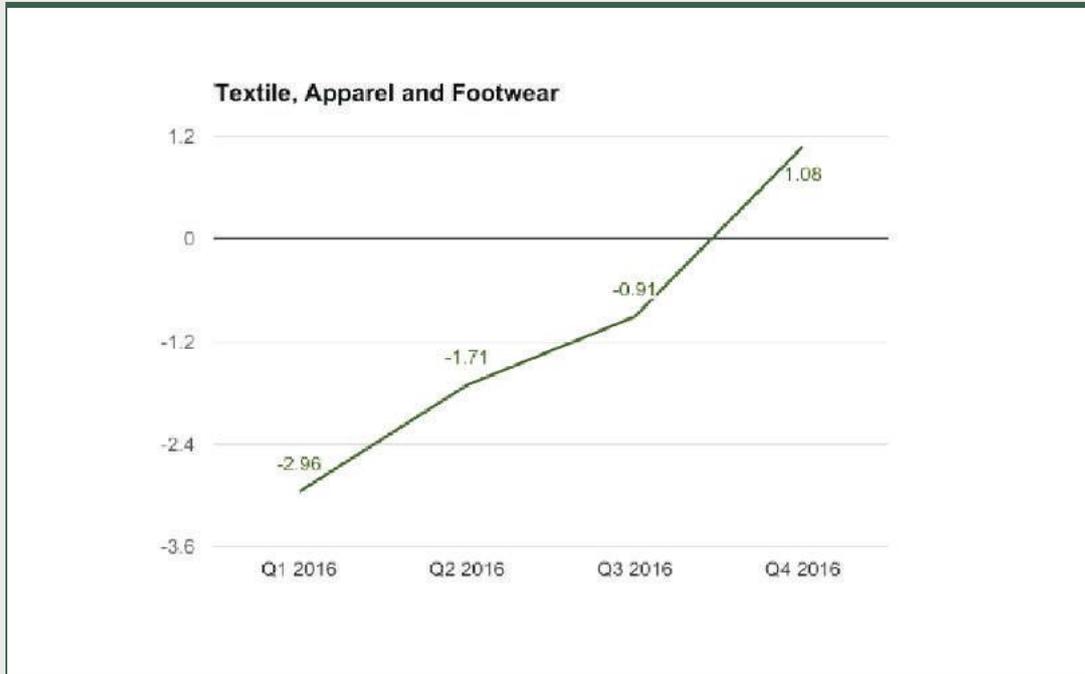
Food, Beverage and Tobacco under manufacturing sector contracted by -6.27% in full year 2016 from -5.38% in 2015 and 5.63% in 2014



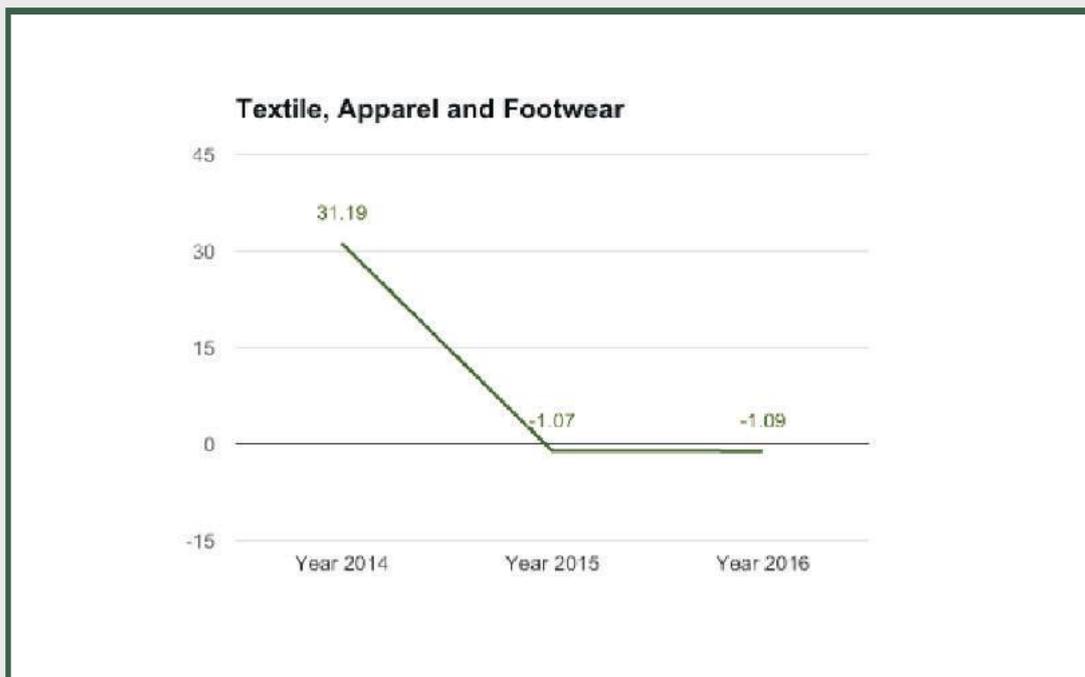
# GDP REPORT Q4 2016

## Textile, Apparel and Footwear: – Q4 2016

### Textile, Apparel and Footwear



Textile, Apparel and Footwear under manufacturing sector grew by 1.08% in Q4 2016 from -0.91% in Q3 2016 and -1.71% in Q2 2016.



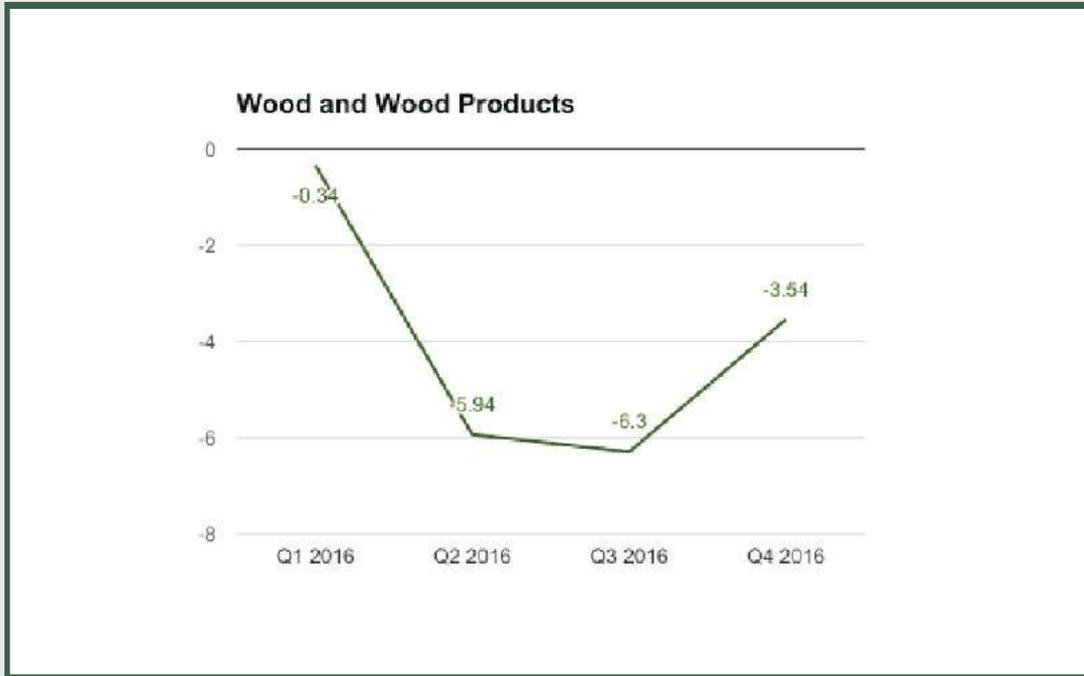
Textile, Apparel and Footwear under manufacturing sector contracted by -1.09% in full year 2016 from -1.07% in 2015 and 31.19% in 2014.



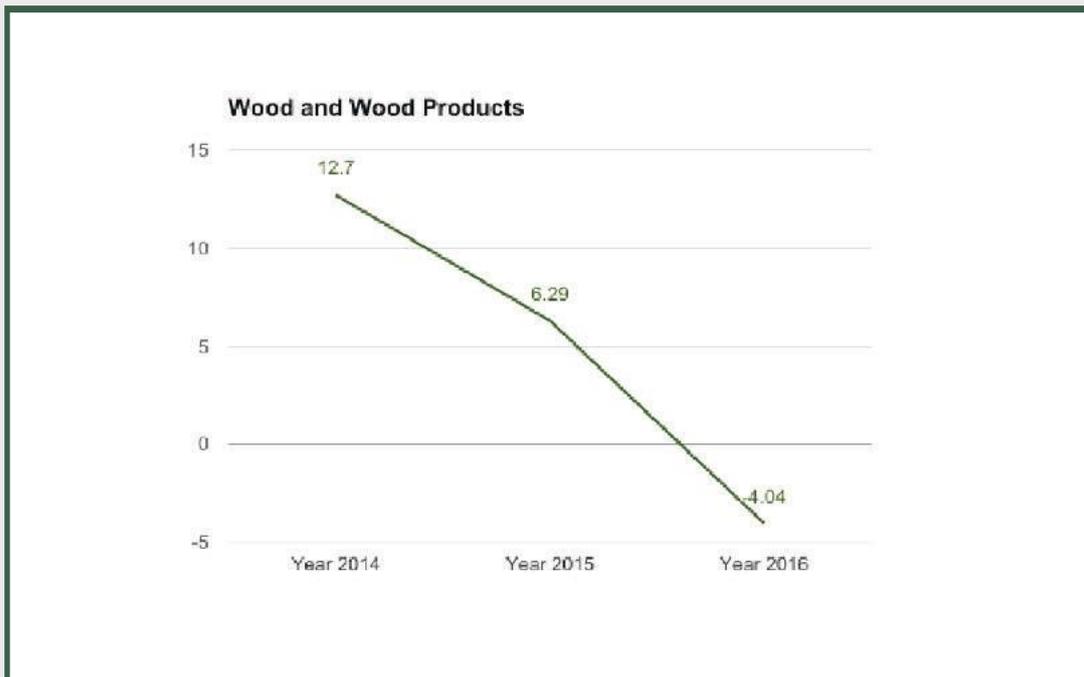
# GDP REPORT Q4 2016

## Wood and Wood Products: - Q4 2016

### Wood and Wood Products



Wood and Wood Products under manufacturing sector contracted by -3.54% in Q4 2016 from -6.3% in Q3 2016 and -5.94% in Q2 2016.



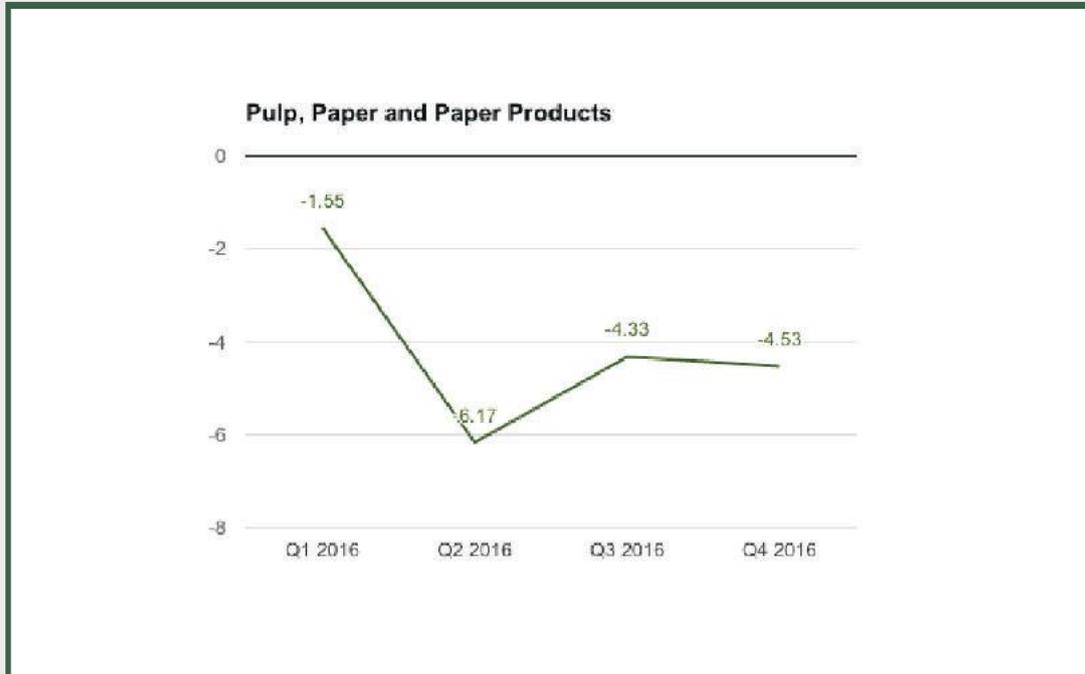
Wood and Wood Products under manufacturing sector contracted by -4.04% in full year 2016 from 6.29% in 2015 and 12.7% in 2014.



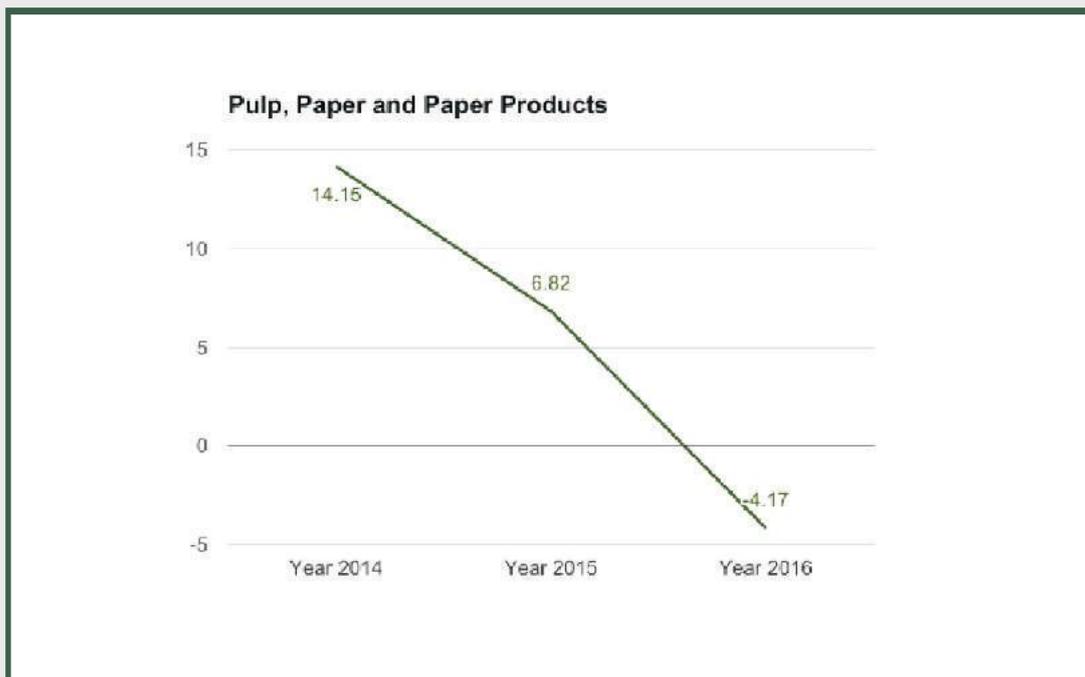
# GDP REPORT Q4 2016

## Pulp, Paper and Paper Products: - Q4 2016

### Pulp, Paper and Paper Products



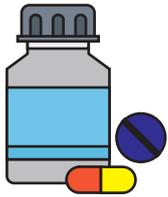
Pulp, Paper and Paper Products under manufacturing sector contracted by -4.53% in Q4 2016 from -4.33% in Q3 2016 and -6.17% in Q2 2016.



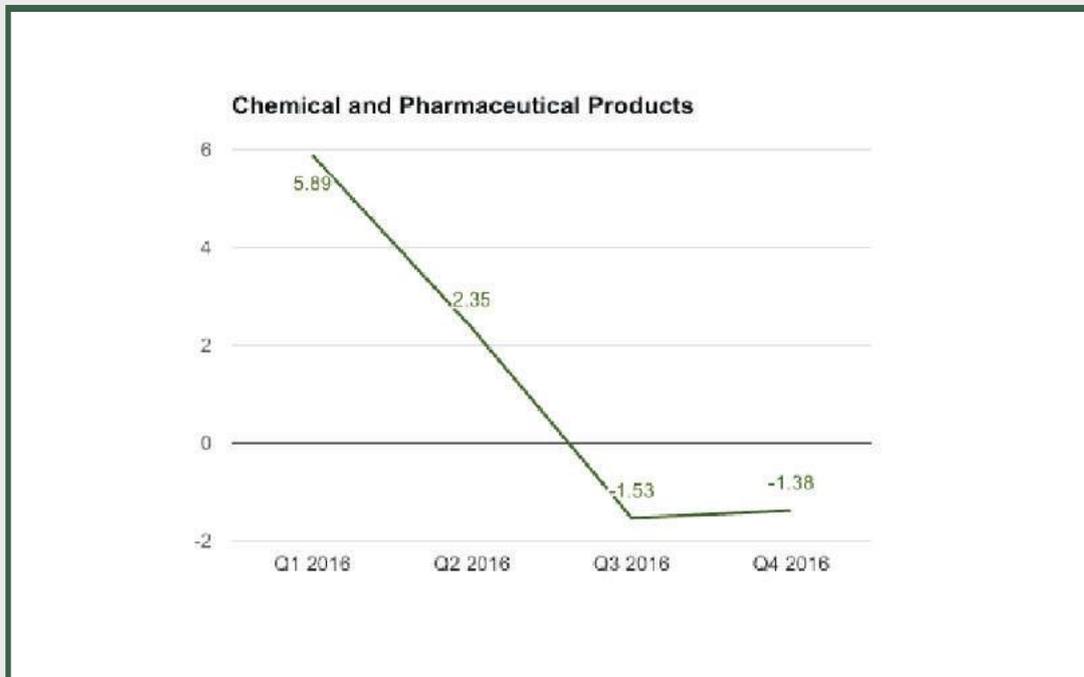
Pulp, Paper and Paper Products under manufacturing sector contracted by -4.17% in full year 2016 from 6.82% in 2015 and 14.15% in 2014.

# GDP REPORT Q4 2016

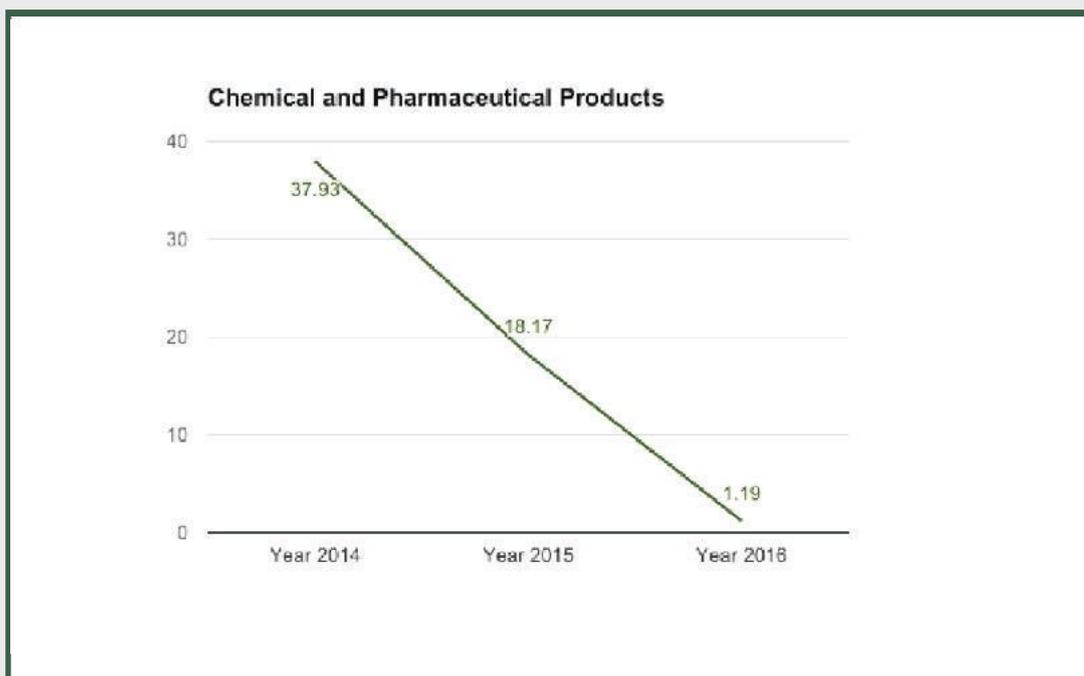
## Chemical and Pharmaceutical Products: - Q4 2016



### Chemical and Pharmaceutical Products



Chemical and Pharmaceutical Products under manufacturing sector contracted by -1.38% in Q4 2016 from -1.53% in Q3 2016 and 2.35% in Q2 2016.



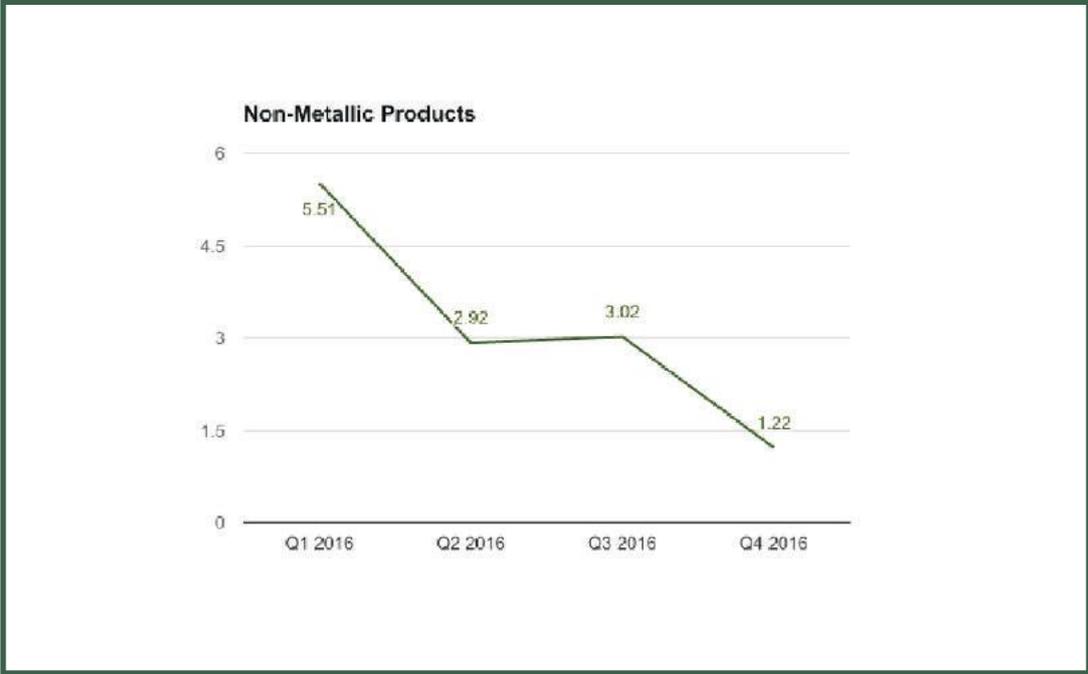
Chemical and Pharmaceutical Products under manufacturing sector grew by 1.19% in full year 2016 from 18.17% in 2015 and 37.93% in 2014.



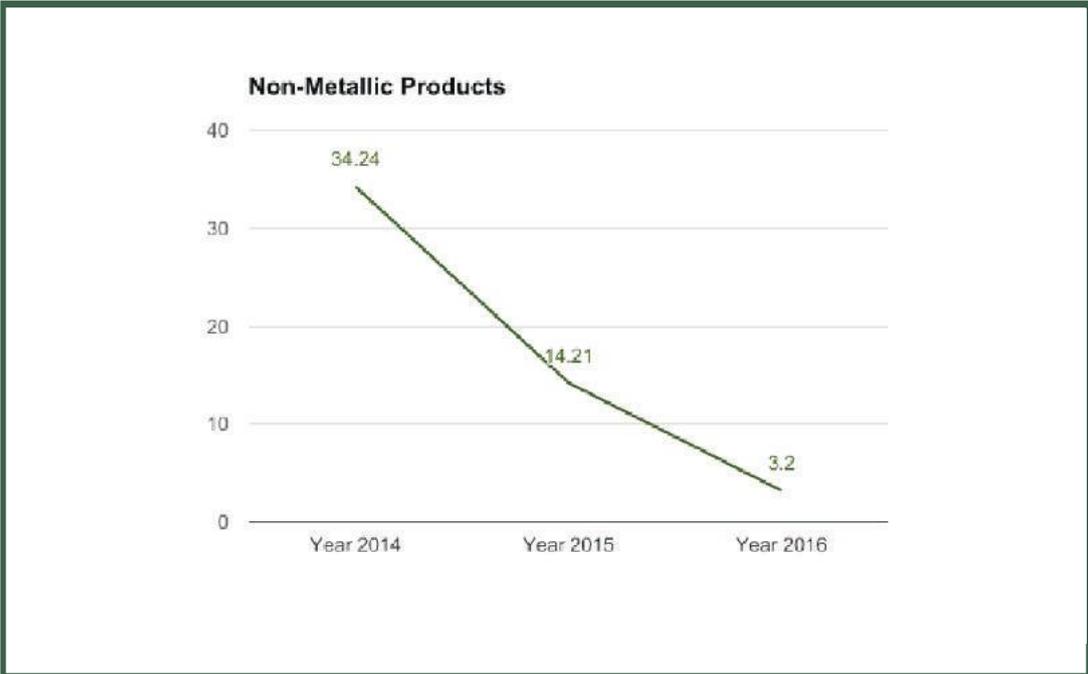
# GDP REPORT Q4 2016

## Non-Metallic Products: - Q4 2016

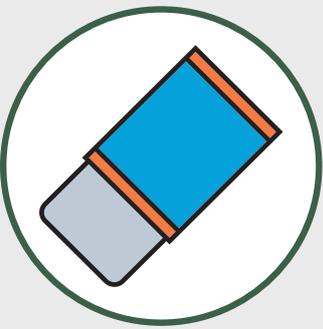
### Non-Metallic Products



Non-Metallic Products under manufacturing sector grew by 1.22% in Q4 2016 from 3.02% in Q3 2016 and 2.92% in Q2 2016.



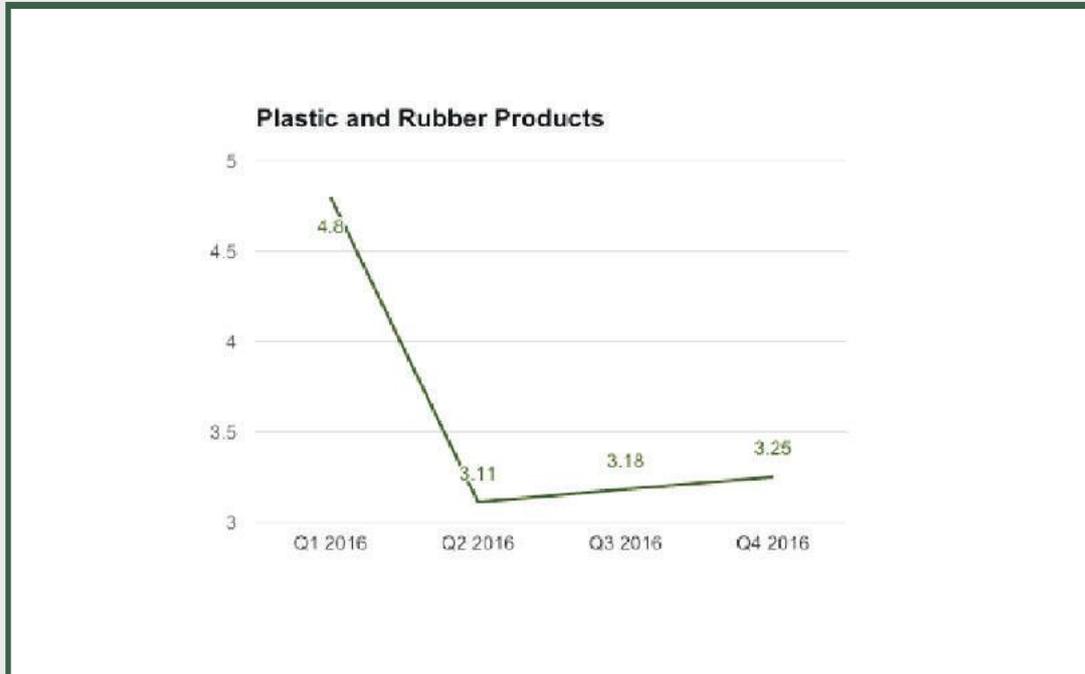
Non-Metallic Products under manufacturing sector grew by 3.2% in full year 2016 from 14.21% in 2015 and 34.24% in 2014.



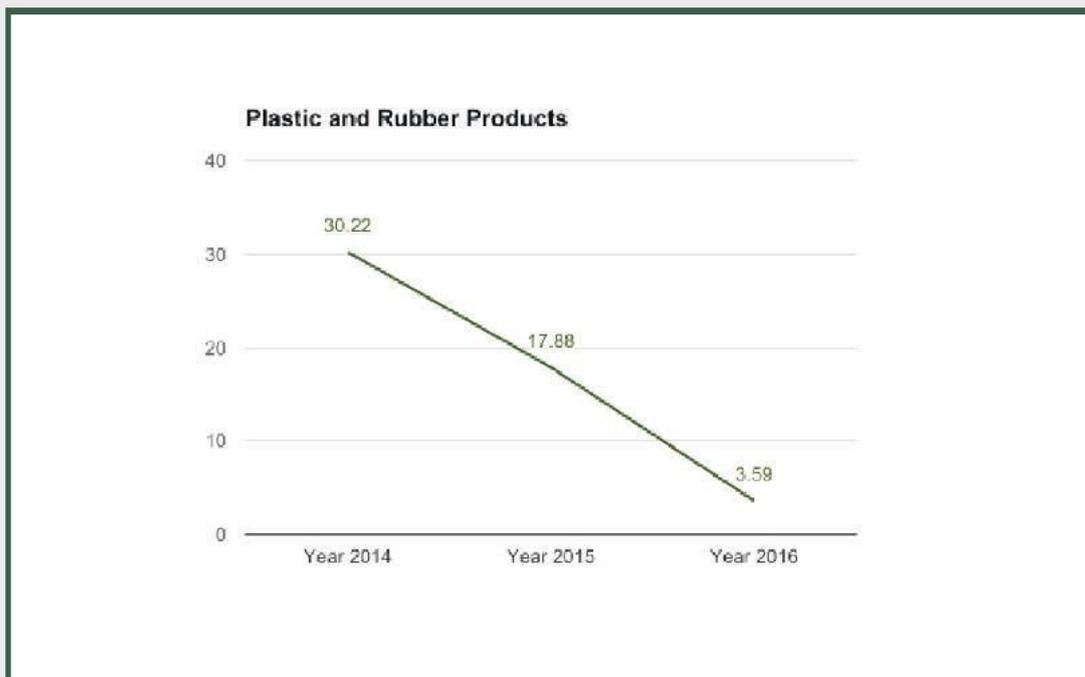
# GDP REPORT Q4 2016

## Plastic and Rubber Products: – Q4 2016

### Plastic and Rubber Products



Plastic and Rubber Products under manufacturing sector grew by 3.25% in Q4 2016 from 3.18% in Q3 2016 and 3.11% in Q2 2016.



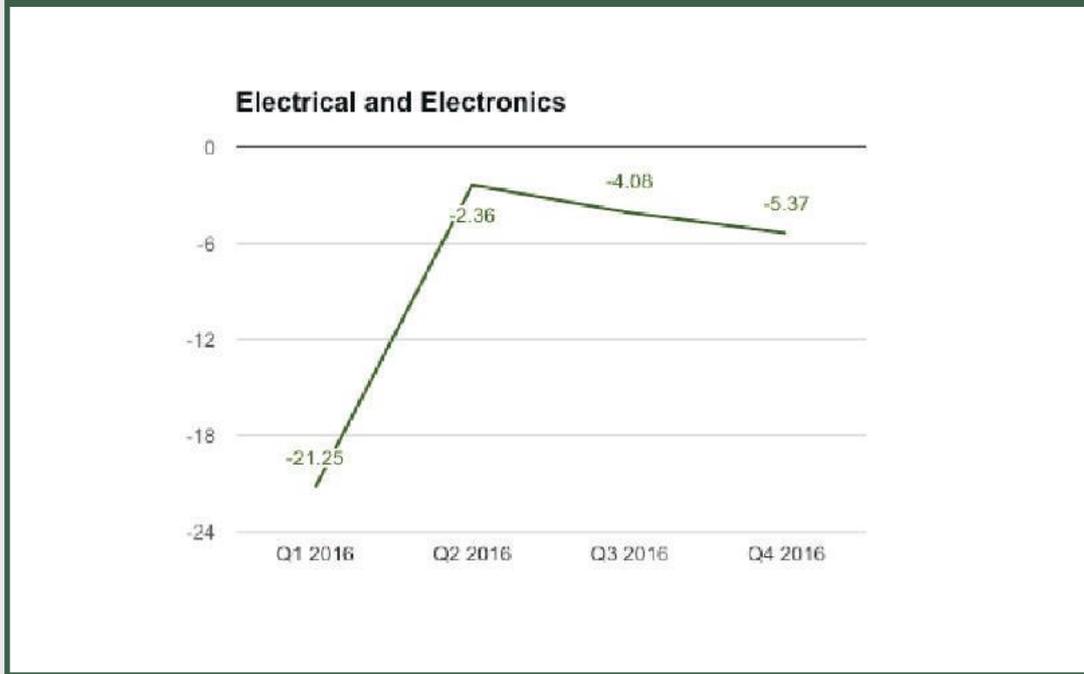
Plastic and Rubber Products under manufacturing sector grew by 3.59% in full year 2016 from 17.88% in 2015 and 30.22% in 2014.



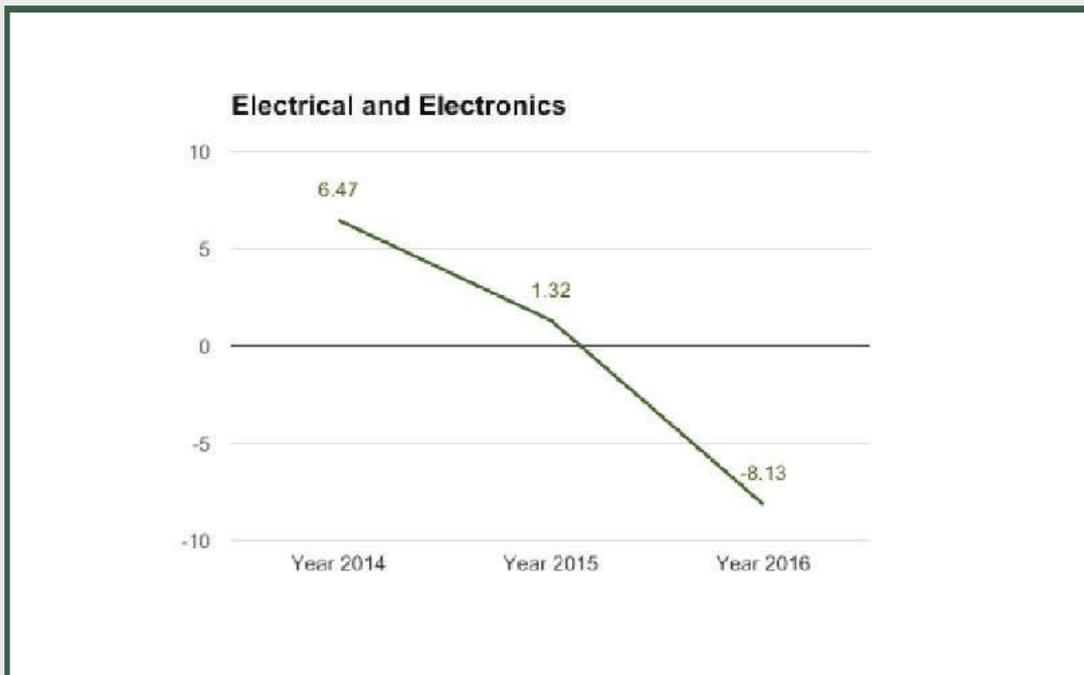
# GDP REPORT Q4 2016

## Electrical and Electronics: - Q4 2016

### Electrical and Electronics



Electrical and Electronics under manufacturing sector contracted by -5.37% in Q4 2016 from -4.08% in Q3 2016 and -2.36% in Q2 2016.



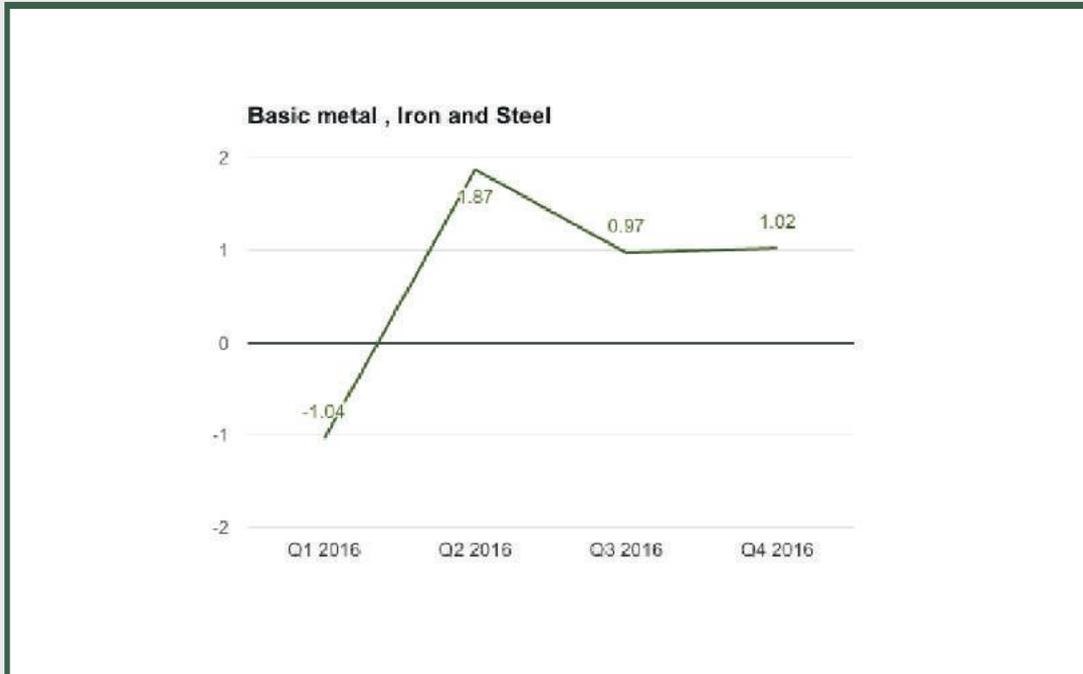
Electrical and Electronics under manufacturing sector contracted by -8.13% in full year 2016 from 1.32% in 2015 and 6.47% in 2014.



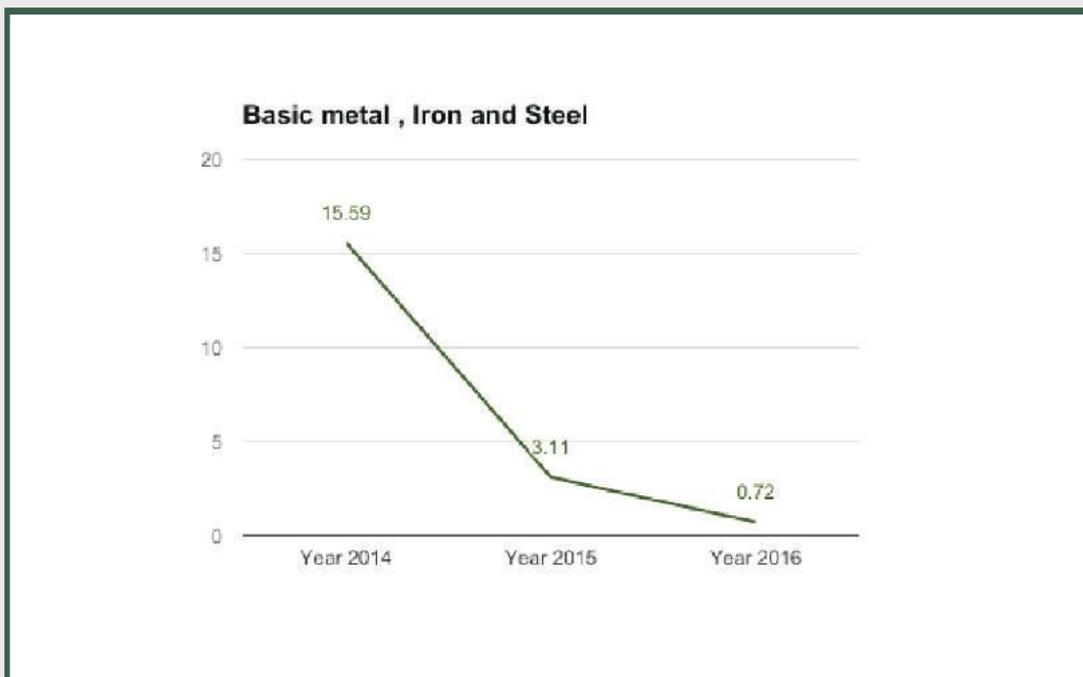
# GDP REPORT Q4 2016

## Basic Metal , Iron and Steel: – Q4 2016

### Basic Metal , Iron and Steel



Basic metal , Iron and Steel under manufacturing sector grew by 1.02% in Q4 2016 from 0.97% in Q3 2016 and 1.87% in Q2 2016.



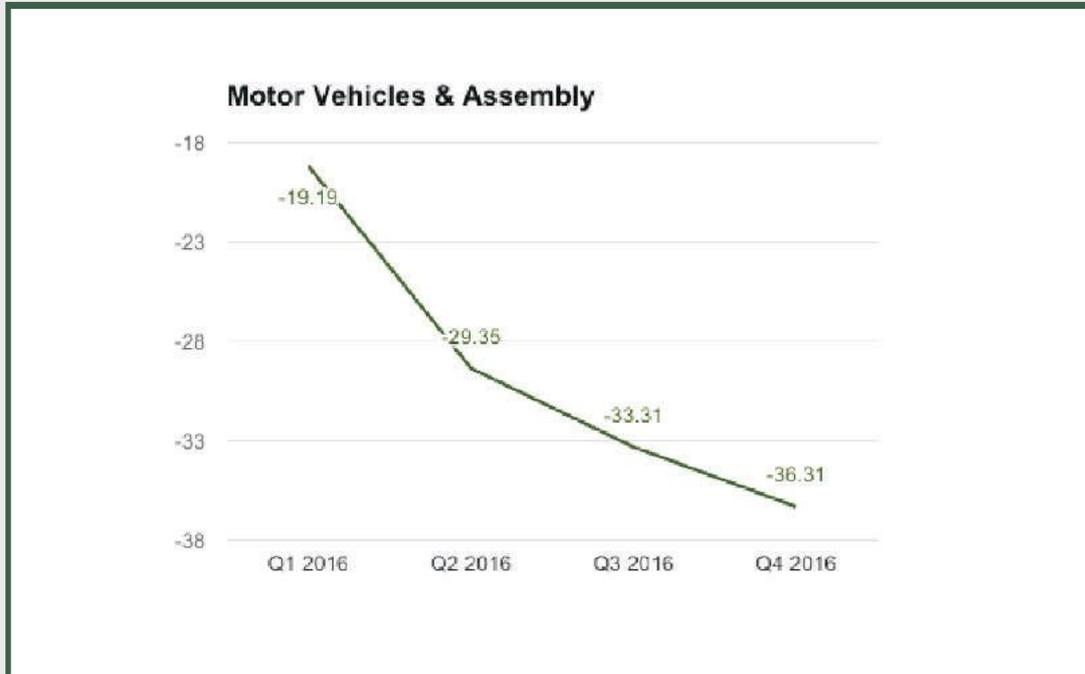
Basic metal , Iron and Steel under manufacturing sector grew by 0.72% in full year 2016 from 3.11% in 2015 and 15.59% in 2014.



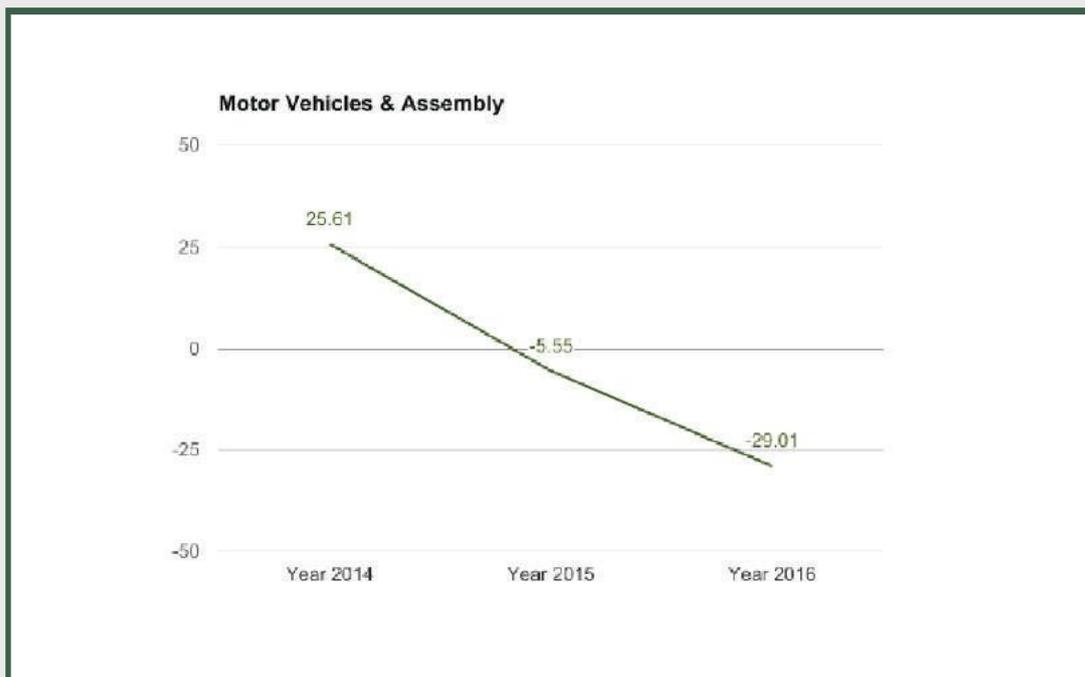
# GDP REPORT Q4 2016

## Motor Vehicles & Assembly: – Q4 2016

### Motor Vehicles & Assembly



Motor Vehicles & Assembly under manufacturing sector contracted by -36.31% in Q4 2016 from -33.31% in Q3 2016 and -29.35% in Q2 2016.



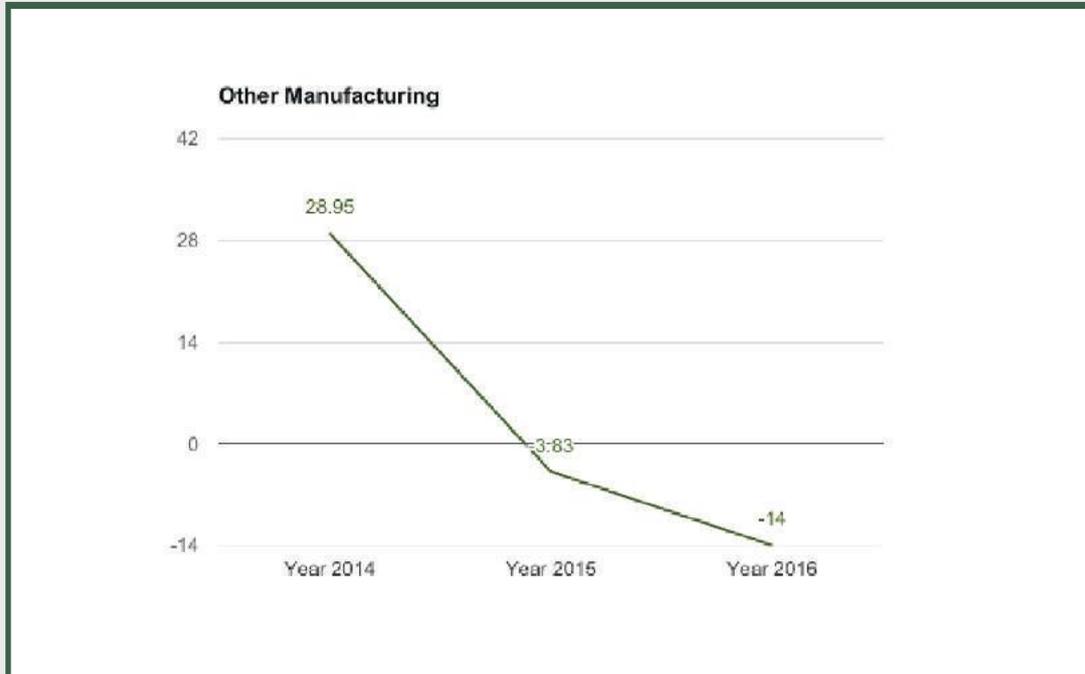
Motor Vehicles & Assembly under manufacturing sector contracted by -29.01% in full year 2016 from -5.55% in 2015 and 25.61% in 2014.



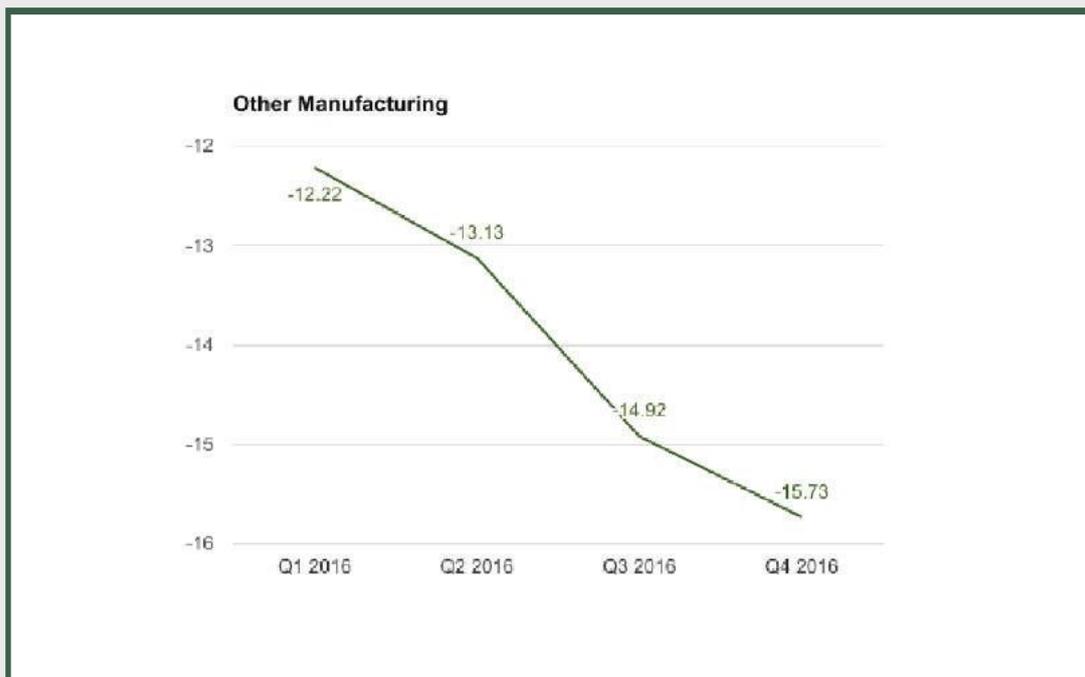
# GDP REPORT Q4 2016

## Other Manufacturing: - Q4 2016

### Other Manufacturing



Other Manufacturing under manufacturing sector contracted by -15.73% in Q4 2016 from -14.92% in Q3 2016 and -13.13% in Q2 2016.

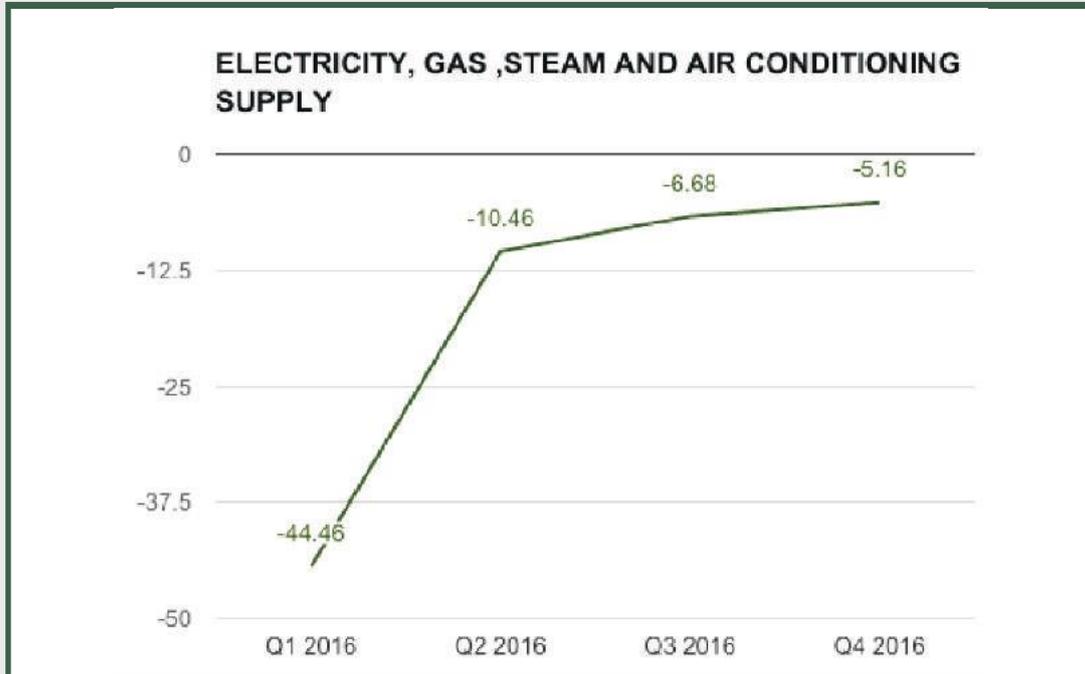


Other Manufacturing under manufacturing sector contracted by -14% in full year 2016 from -3.83% in 2015 and 28.95% in 2014.

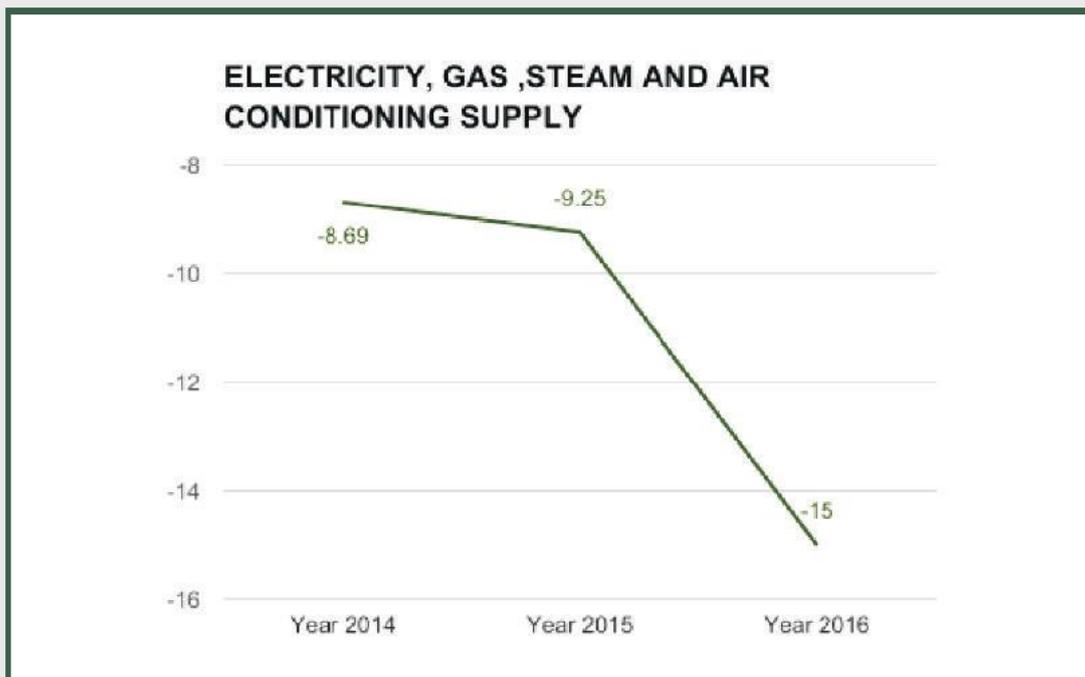
# GDP REPORT Q4 2016

Electricity, Gas ,Steam And Air Conditioning Supply: – Q4 2016

## Electricity, Gas ,Steam And Air Conditioning Supply



Electricity, Gas ,Steam And Air Conditioning Supply sector contracted by -5.16% in Q4 2016 from -6.68% in Q3 2016 and -10.46% in Q2 2016.



Electricity, Gas ,Steam And Air Conditioning Supply sector contracted by -15% in full year 2016 from -9.25% in 2015 and -8.69% in 2014.



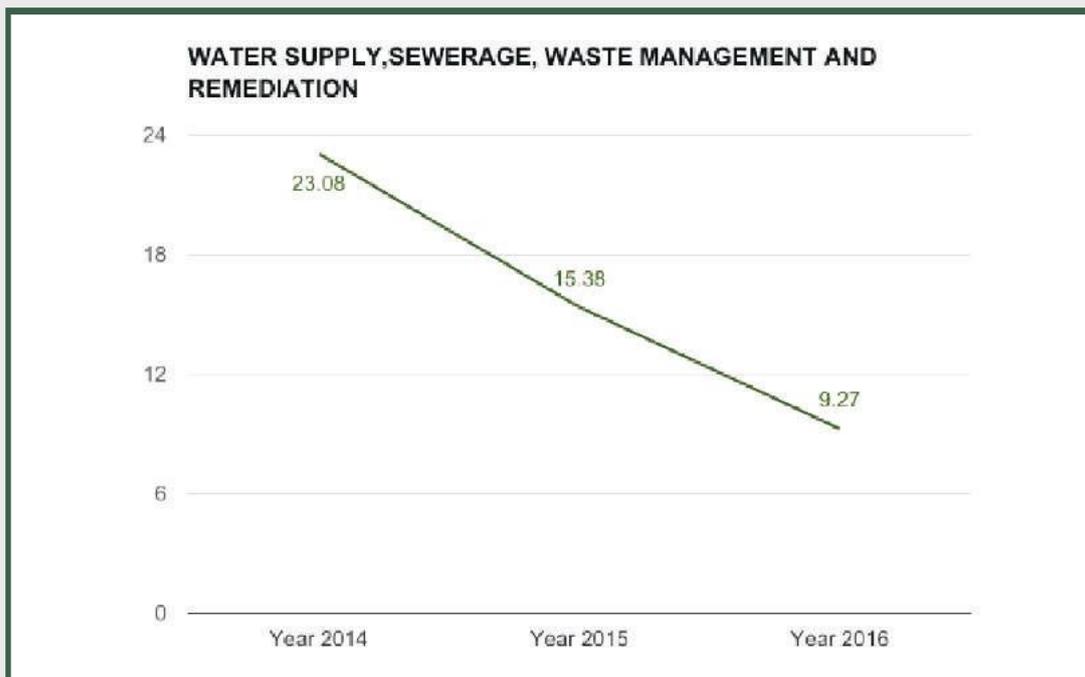
# GDP REPORT Q4 2016

## Water Supply, Sewerage, Waste Management And Remediation: - Q4 2016

### Water Supply, Sewerage, Waste Management And Remediation



Water Supply, Sewerage, Waste Management And Remediation sector grew by 10.76% in Q4 2016 from 8.66% in Q3 2016 and 8.46% in Q2 2016.



Electricity, Gas, Steam And Air Conditioning Supply sector grew by 9.27% in full year 2016 from 15.38% in 2015 and 23.08% in 2014.



# GDP REPORT Q4 2016

Construction: - Q4 2016

## Construction



Construction sector contracted by -6.03% in Q4 2016 from -6.13% in Q3 2016 and -6.28% in Q2 2016.



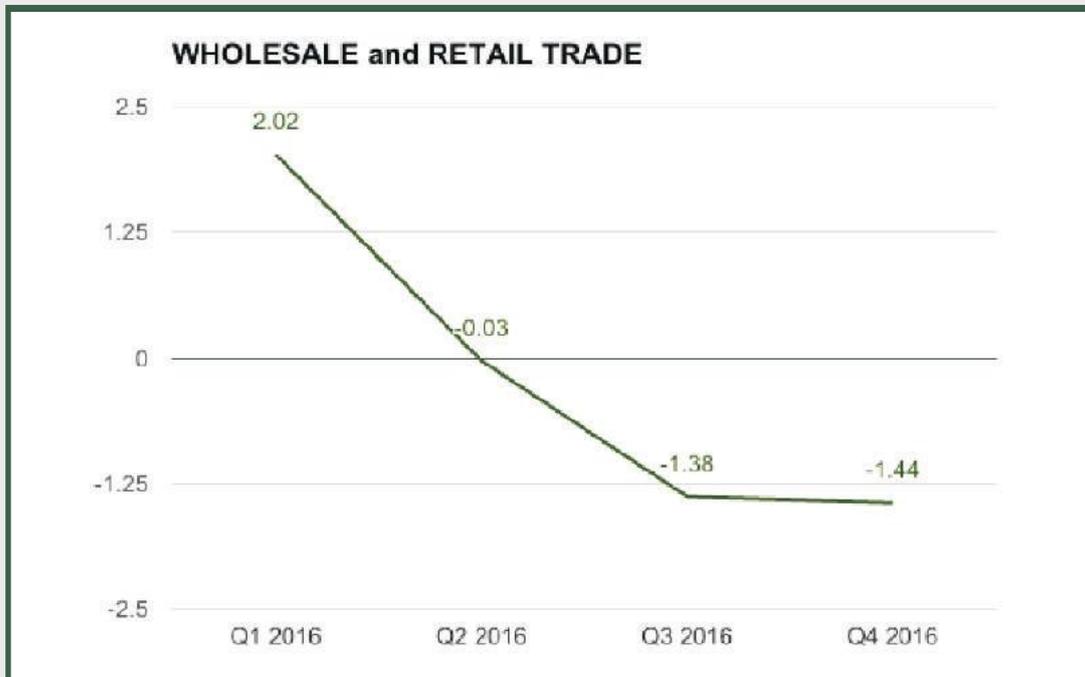
Construction sector contracted by -5.95% in full year 2016 from 4.35% in 2015 and 13.03% in 2014



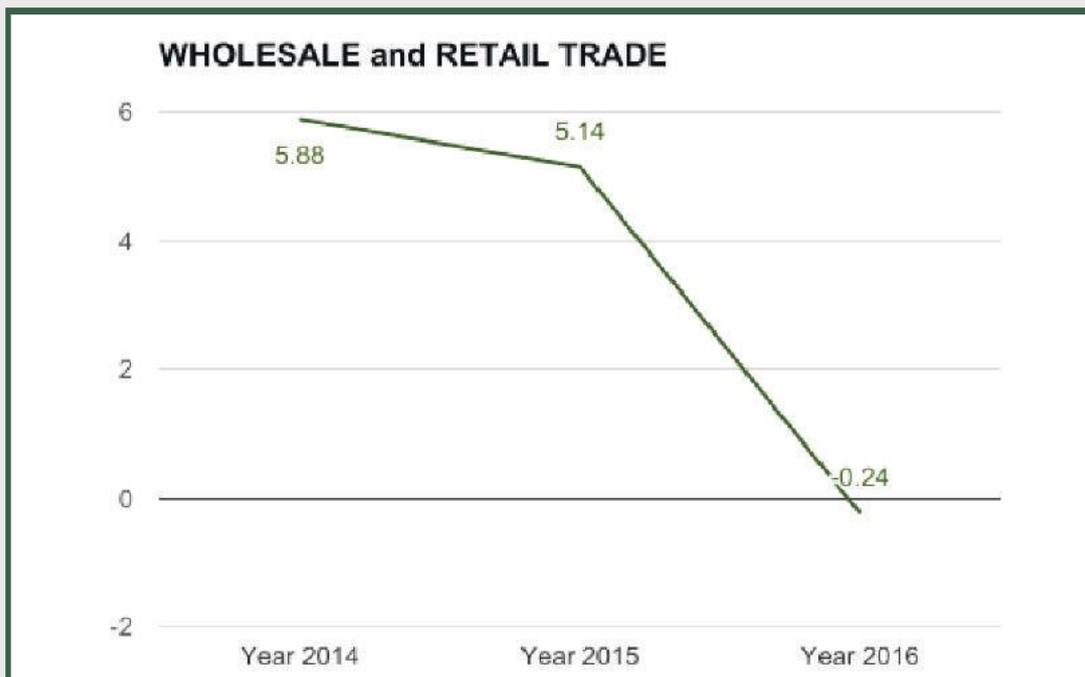
# GDP REPORT Q4 2016

## Wholesale and Retail Trade: - Q4 2016

### Wholesale and Retail Trade



Wholesale and Retail Trade sector contracted by -1.44% in Q4 2016 from -1.38% in Q3 2016 and -0.03% in Q2 2016.



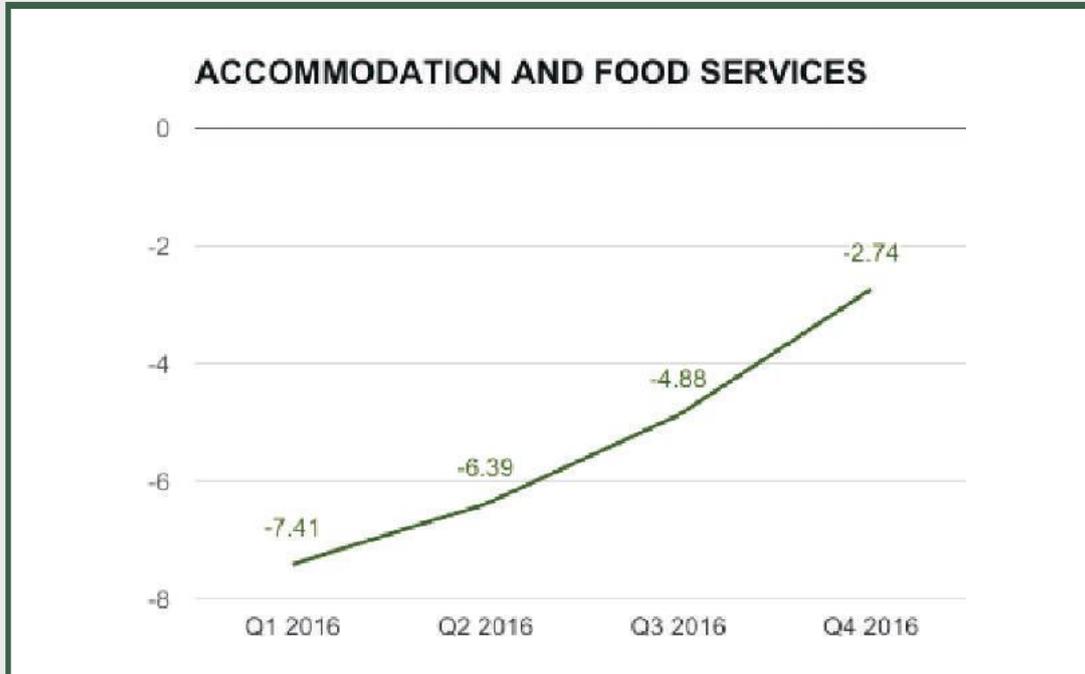
Wholesale and Retail Trade sector contracted by -0.24% in full year 2016 from 5.14% in 2015 and 5.88% in 2014.



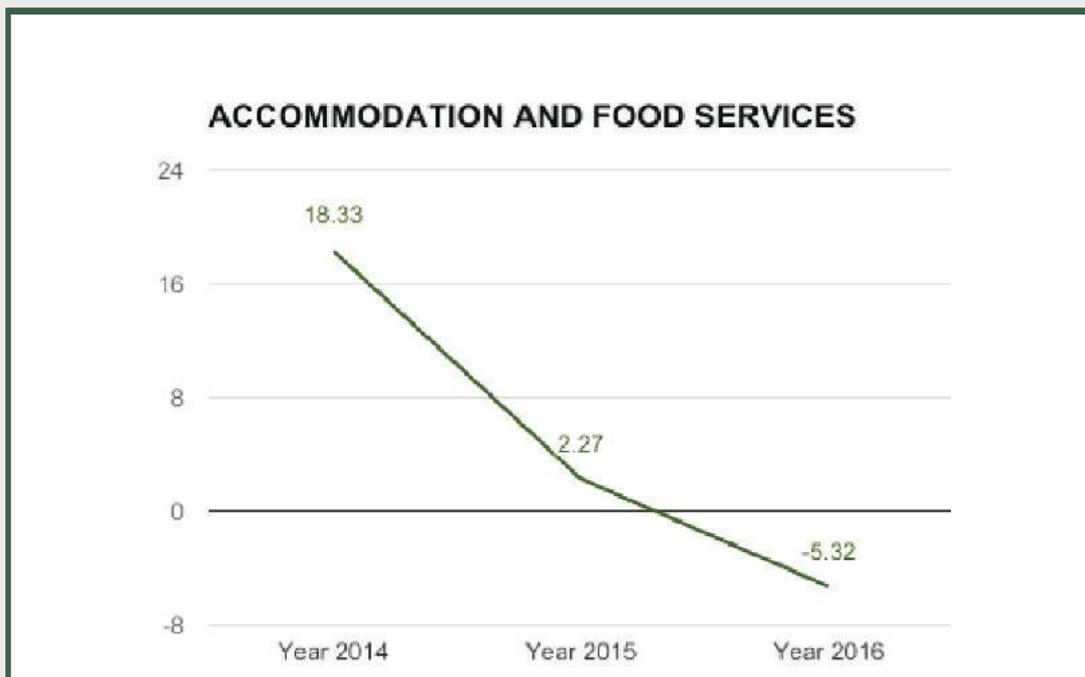
# GDP REPORT Q4 2016

## Accommodation and Food Services: – Q4 2016

### Accommodation and Food Services



Accommodation and Food Services sector contracted by -2.74% in Q4 2016 from -4.88% in Q3 2016 and -6.39% in Q2 2016.



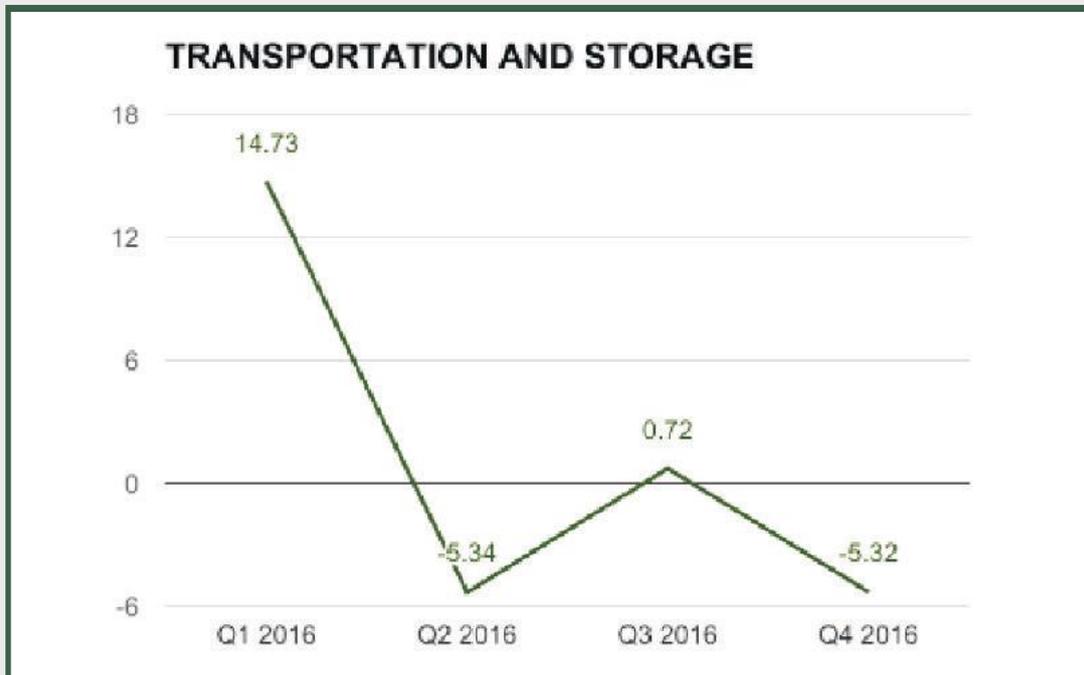
Accommodation and Food Services sector contracted by -5.32% in full year 2016 from 2.27% in 2015 and 18.33% in 2014.



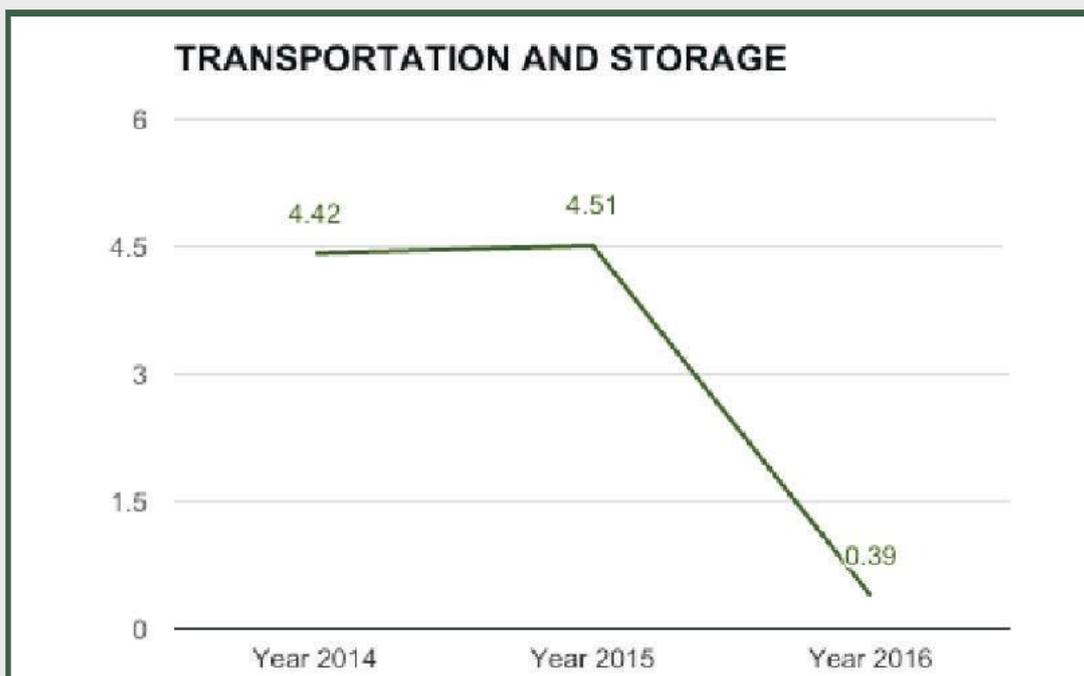
# GDP REPORT Q4 2016

Transportation and Storage: Q4 2016

## Transportation and Storage sector



Transportation and Storage sector contracted by -5.32% in Q4 2016 from 0.72% in Q3 2016 and -5.34% in Q2 2016.

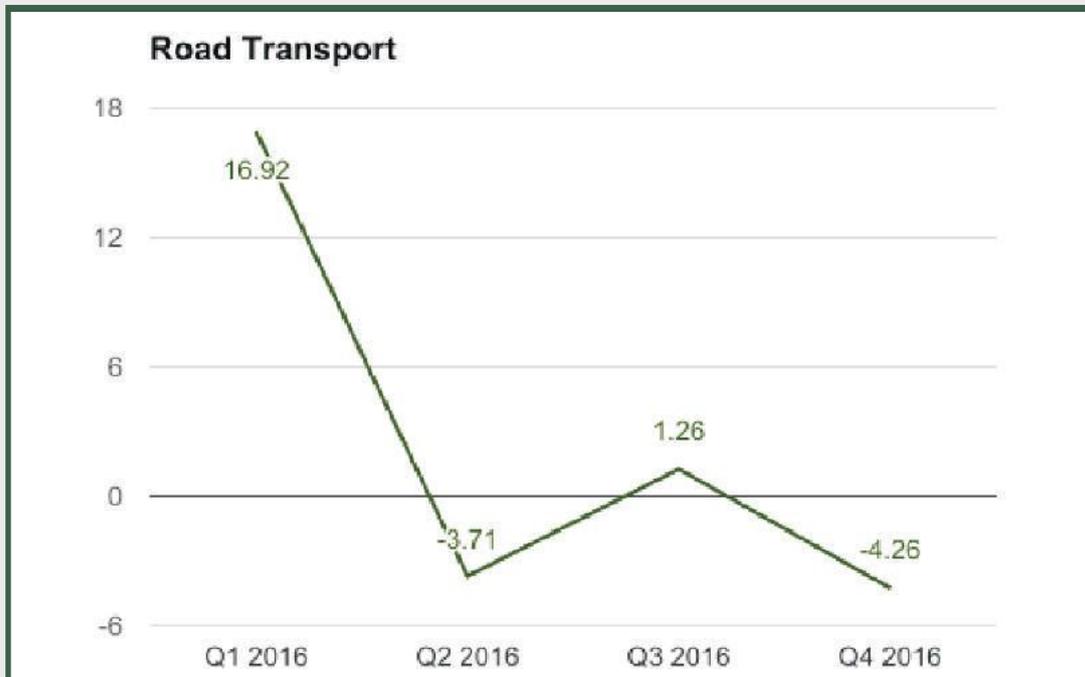


Transportation and Storage sector grew by 0.39% in full year 2016 from 4.51% in 2015 and 4.42% in 2014.

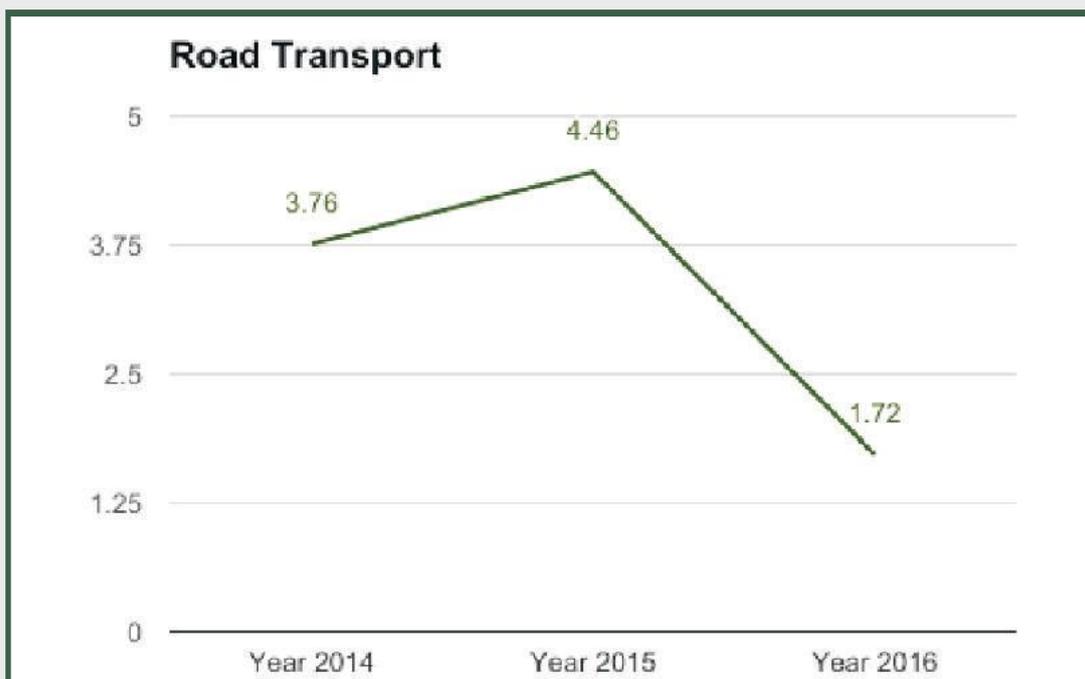
# GDP REPORT Q4 2016

## Road Transport: - Q4 2016

### Road Transport



Road Transport under Transportation and Storage sector contracted by -4.26% in Q4 2016 from 1.26% in Q3 2016 and -3.71% in Q2 2016.



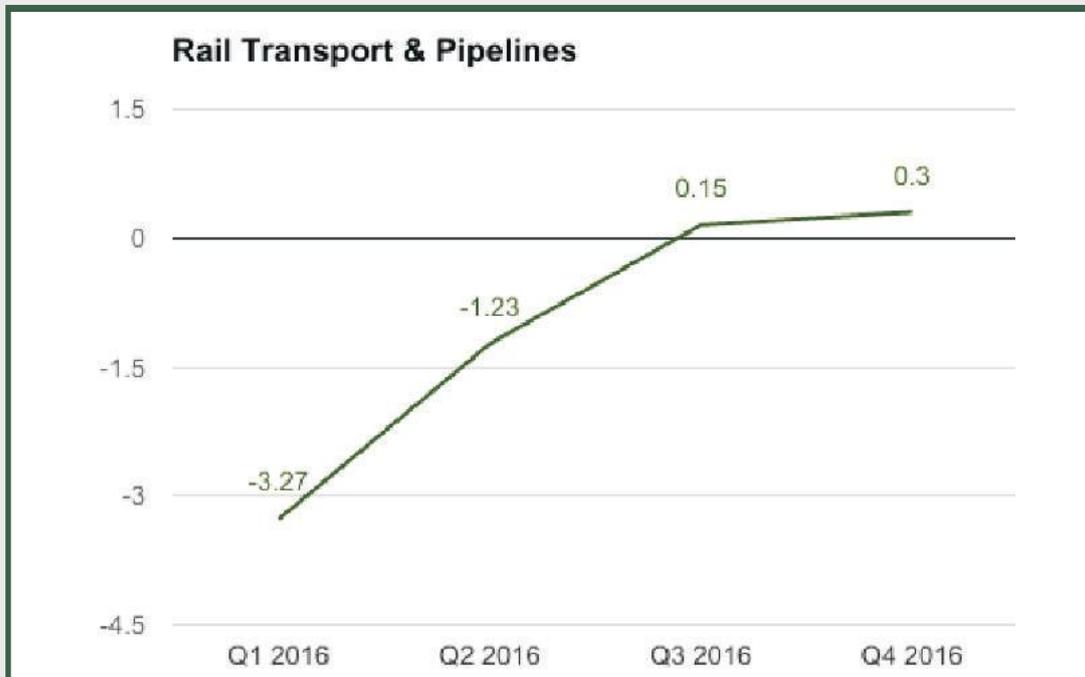
Road Transport under Transportation and Storage sector grew by 1.72% in full year 2016 from 4.46% in 2015 and 3.76% in 2014.



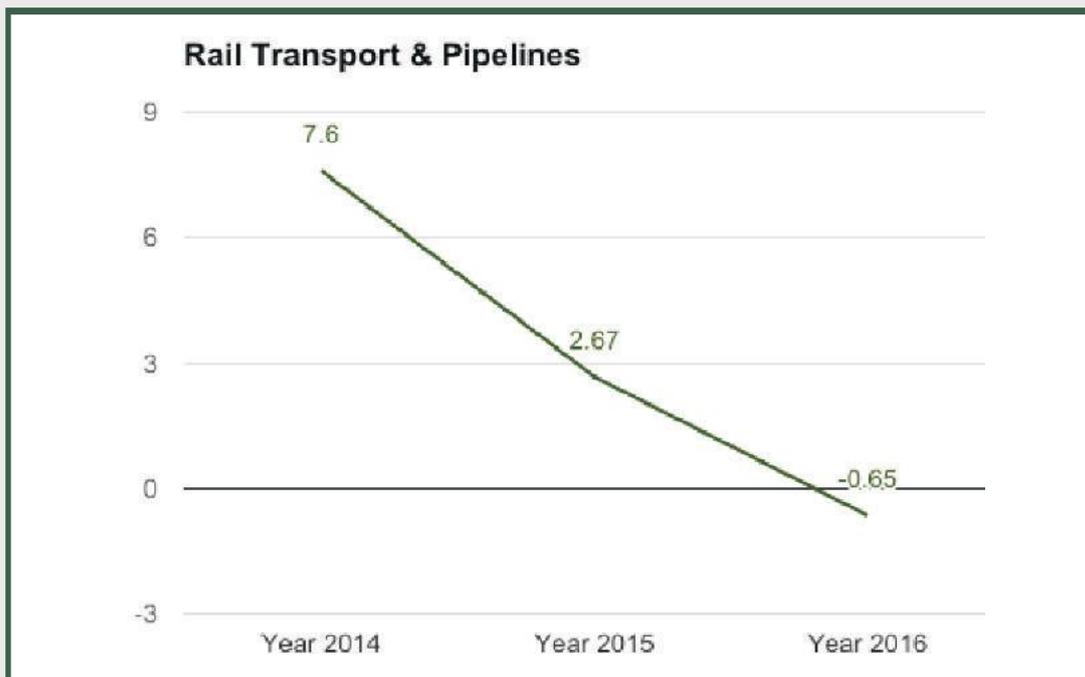
# GDP REPORT Q4 2016

## Rail Transport & Pipelines: – Q4 2016

### Rail Transport & Pipelines



Rail Transport & Pipelines under Transportation and Storage sector grew by 0.3% in Q4 2016 from 0.15% in Q3 2016 and -1.23% in Q2 2016.



Rail Transport & Pipelines under Transportation and Storage sector contracted by -0.65% in full year 2016 from 2.67% in 2015 and 7.6% in 2014.



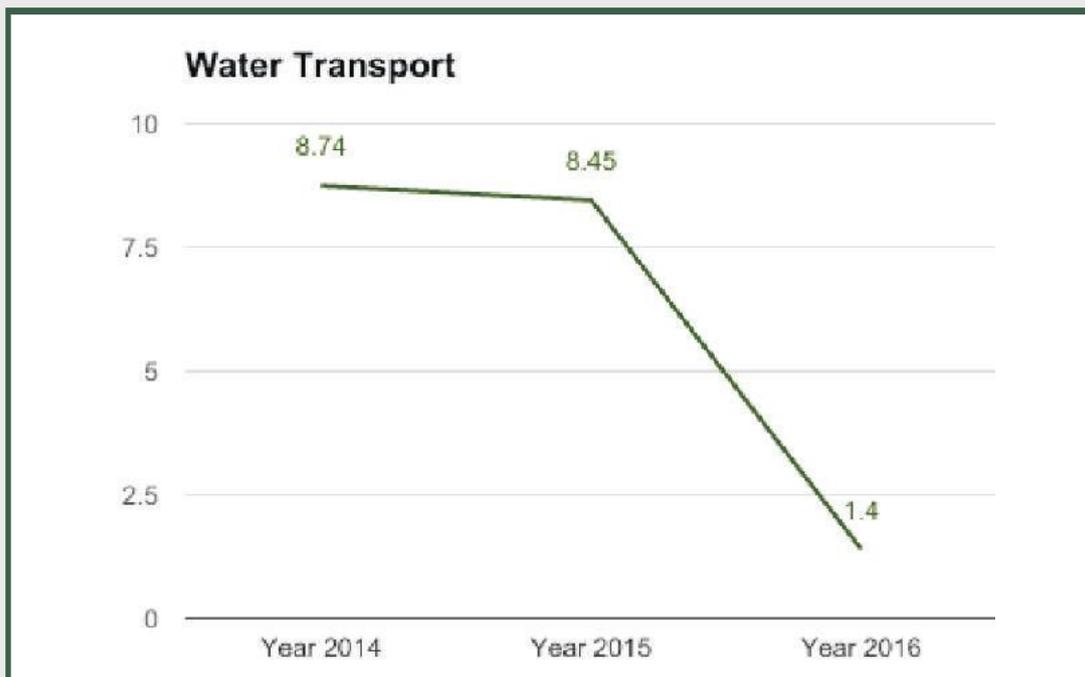
# GDP REPORT Q4 2016

## Water Transport: - Q4 2016

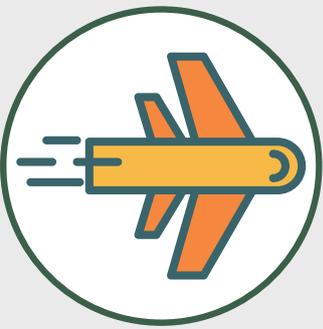
### Water Transport



Water Transport under Transportation and Storage sector grew by 1.05 in Q4 2016 from 1.02% in Q3 2016 and 0.82% in Q2 2016.



Water Transport under Transportation and Storage sector grew by 1.4% in full year 2016 from 8.45% in 2015 and 8.74 in 2014.



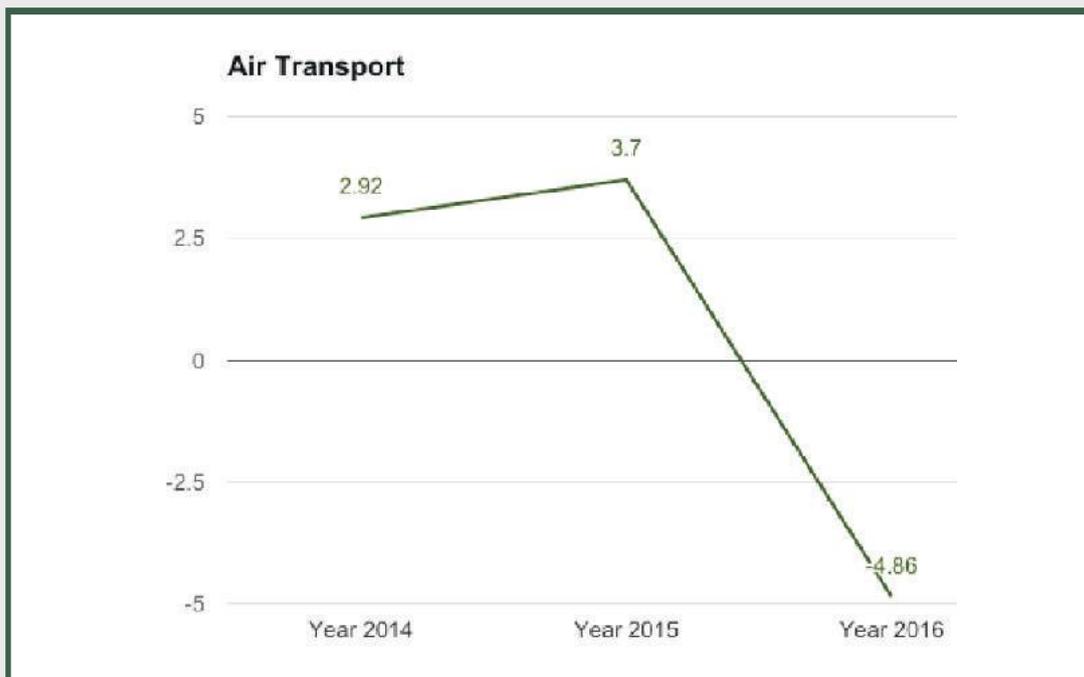
# GDP REPORT Q4 2016

## Air Transport: - Q4 2016

### Air Transport



Air Transport under Transportation and Storage sector contracted by -13.25 in Q4 2016 from -3.12% in Q3 2016 and -2.56% in Q2 2016.



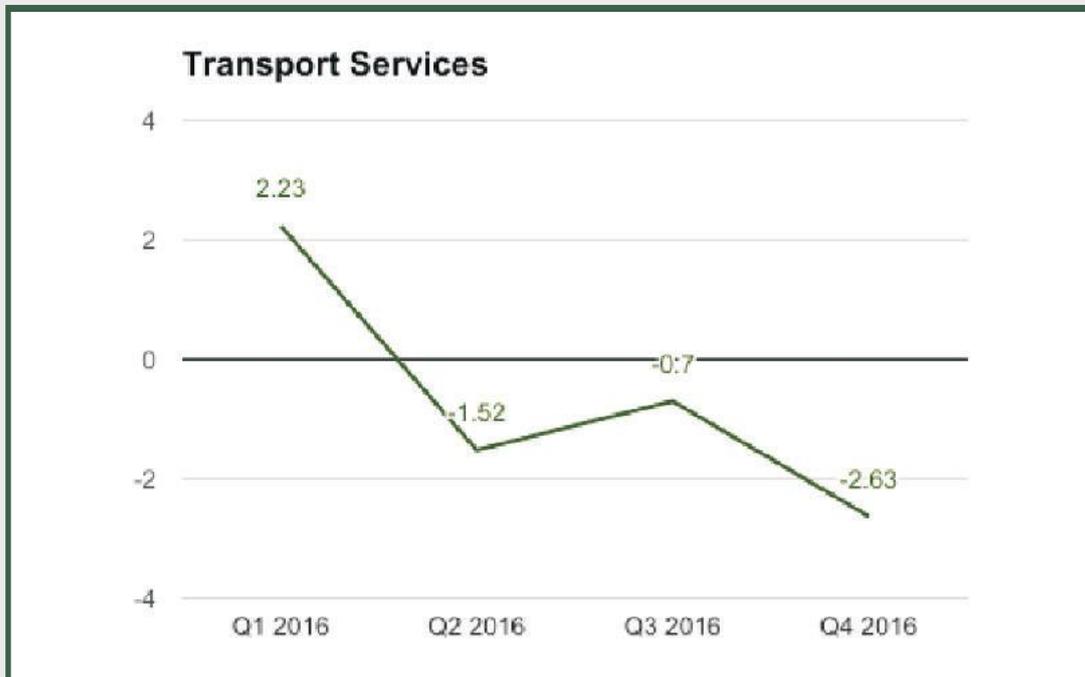
Air Transport under Transportation and Storage sector contracted by -4.86% in full year 2016 from 3.7% in 2015 and 2.92% in 2014.

# GDP REPORT Q4 2016

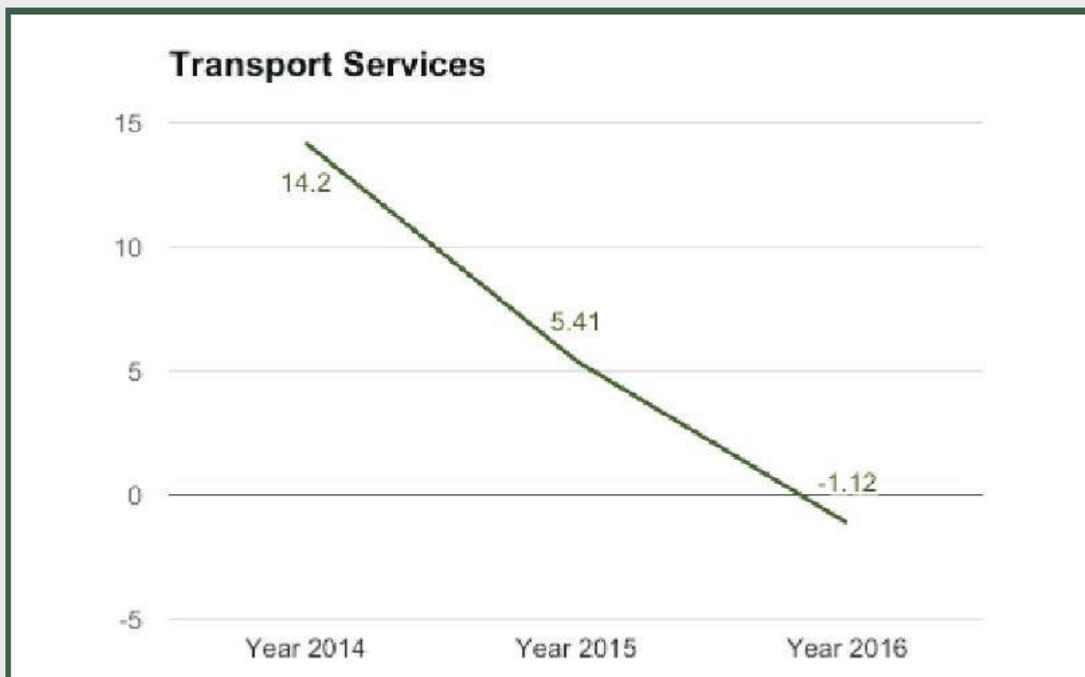
## Transport Services: – Q4 2016



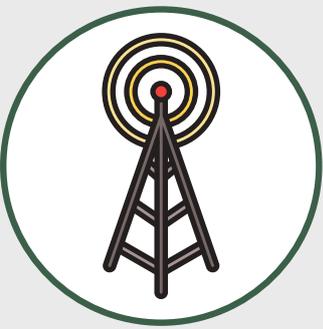
### Transport Services



Transport Services under Transportation and Storage sector contracted by -2.63% in Q4 2016 from -0.7% in Q3 2016 and -1.52% in Q2 2016.



Transport Services under Transportation and Storage sector contracted by -1.12% in full year 2016 from 5.41 in 2015 and 14.2% in 2014.



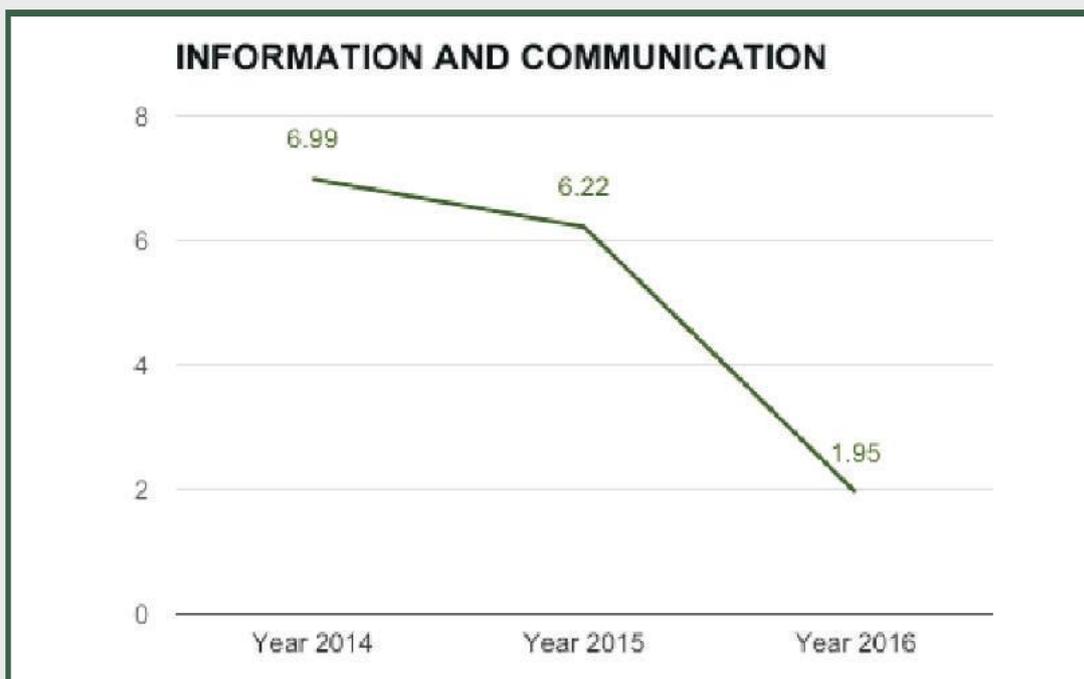
# GDP REPORT Q4 2016

Information and Communication: Q4 2016

## Information and Communication sector



Information and Communication sector grew by 1.38% in Q4 2016 from 1.11% in Q3 2016 and 1.35% in Q2 2016.



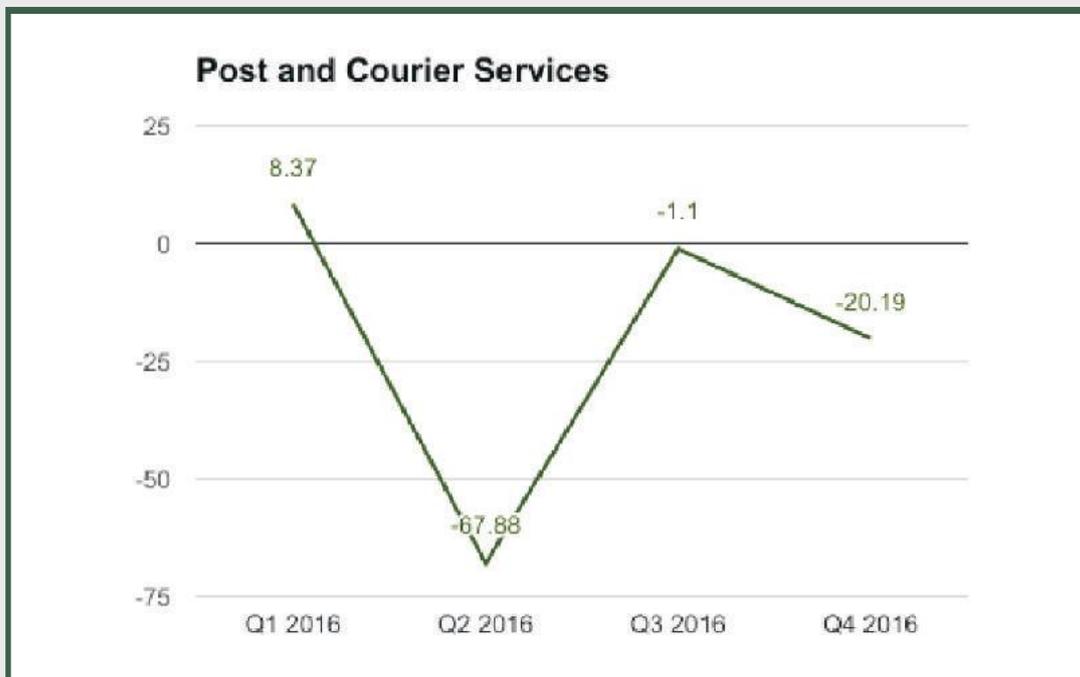
Information and Communication sector grew by 1.95% in full year 2016 from 6.22% in 2015 and 6.99% in 2014.



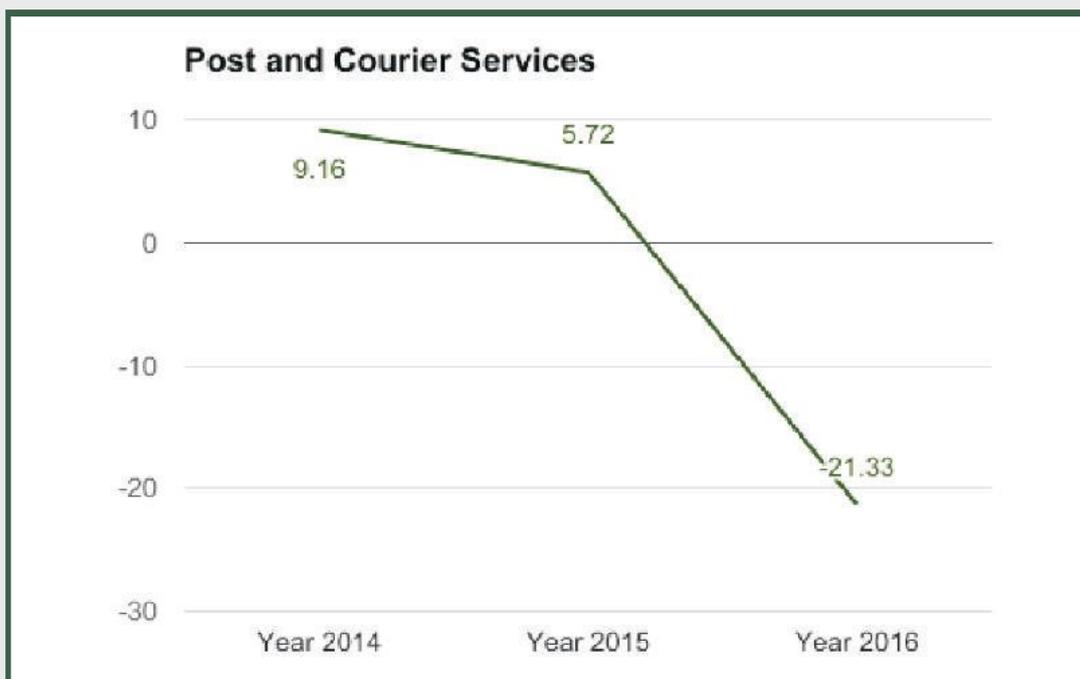
# GDP REPORT Q4 2016

## Post and Courier Services: – Q4 2016

### Post and Courier Services



Post and Courier Services under Transportation and Storage sector contracted by -20.19% in Q4 2016 from -1.1% in Q3 2016 and -67.88% in Q2 2016.



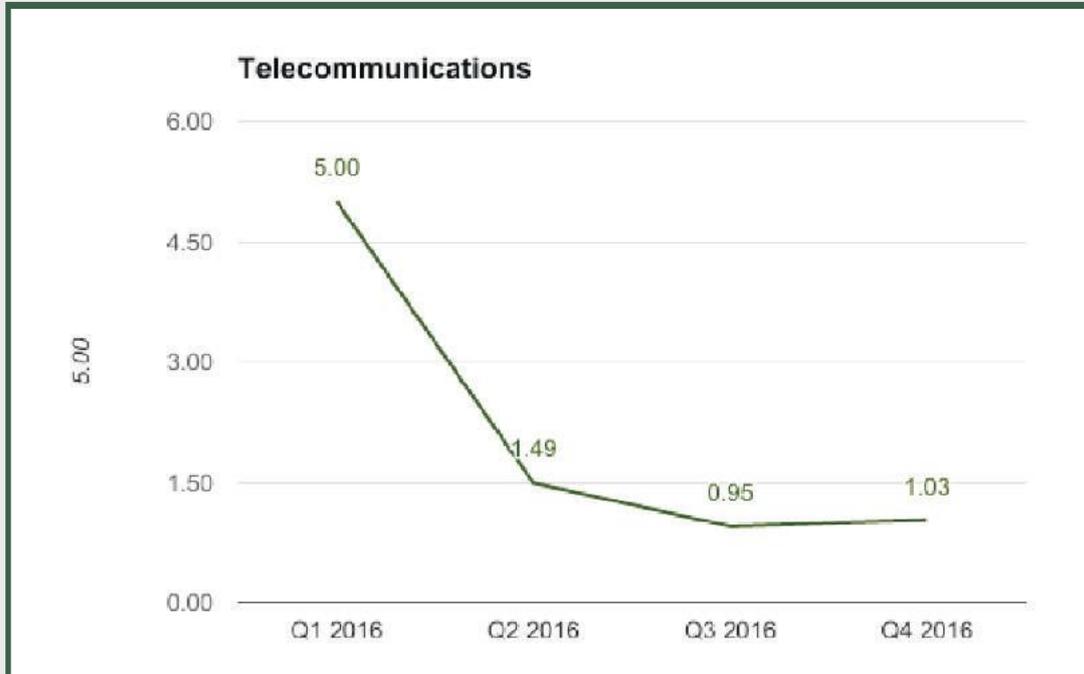
Post and Courier Services under Transportation and Storage sector contracted by -21.33% in full year 2016 from 5.72% in 2015 and 9.16% in 2014.



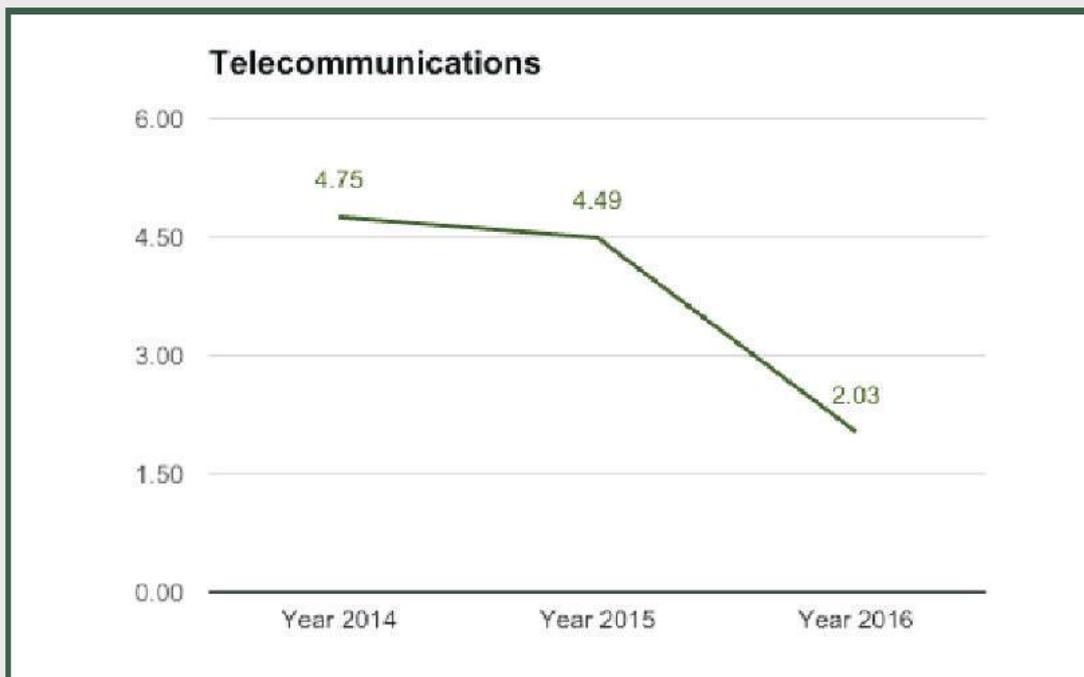
# GDP REPORT Q4 2016

## Telecommunications: - Q4 2016

### Telecommunications



Telecommunications under Information and Communication sector grew by 1.03 in Q4 2016 from 0.95% in Q3 2016 and 1.49% in Q2 2016.



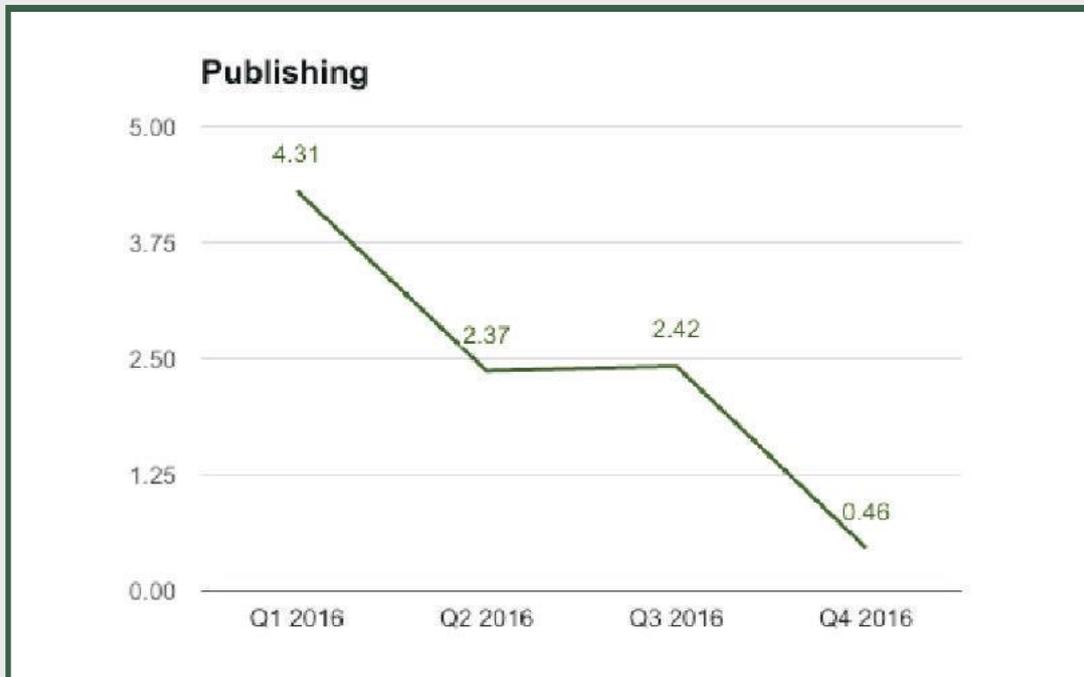
Post and Courier Services under Transportation and Storage sector contracted by - 21.33% in full year 2016 from 5.72 in 2015 and 9.16% in 2014.



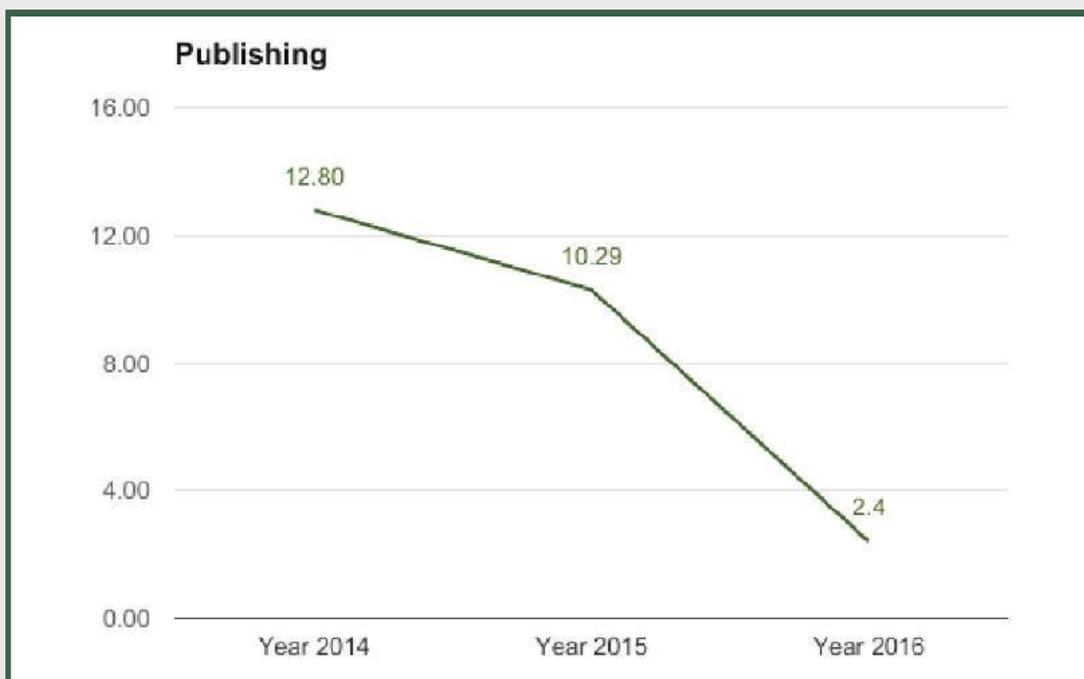
# GDP REPORT Q4 2016

Publishing: - Q4 2016

## Publishing



Publishing under Information and Communication sector grew by 0.46% in Q4 2016 from 2.42% in Q3 2016 and 2.37% in Q2 2016.

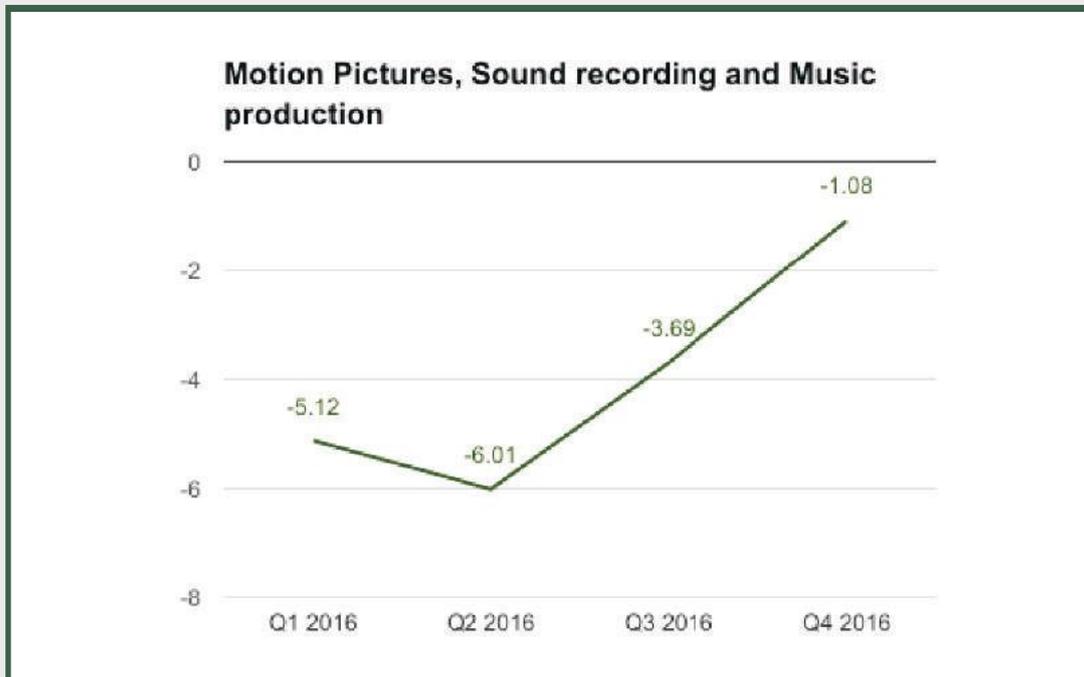


Publishing under Information and Communication sector grew by 2.4% in full year 2016 from 10.29% in 2015 and 12.80% in 2014.

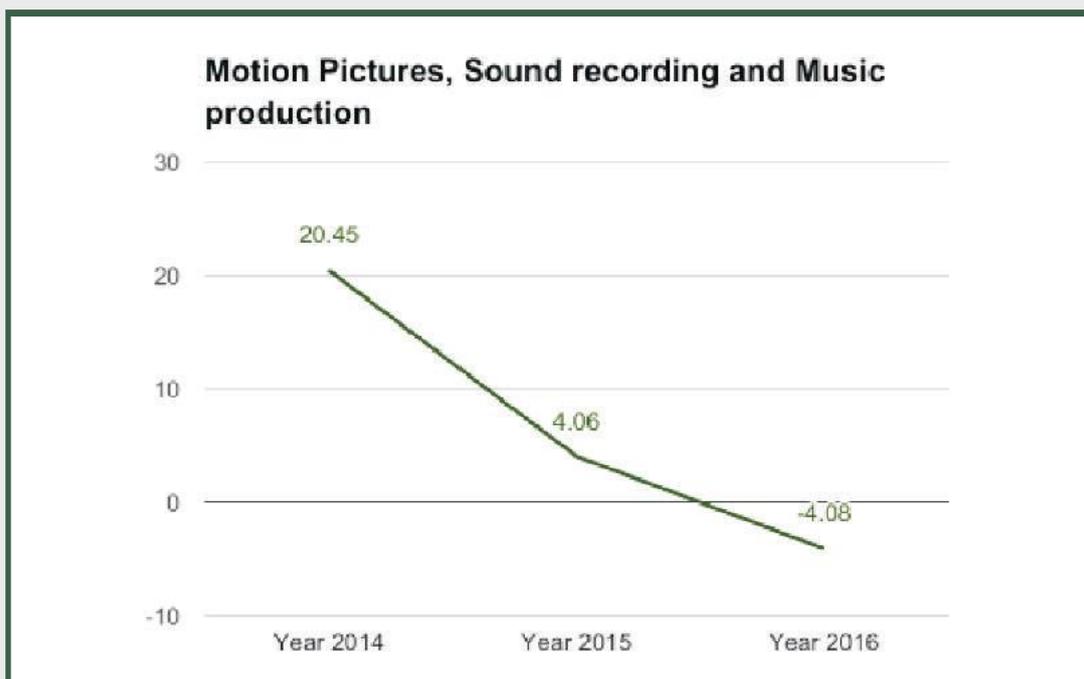
# GDP REPORT Q4 2016

## Motion Pictures, Sound recording and Music production: - Q4 2016

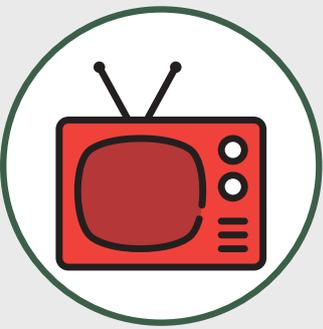
### Motion Pictures, Sound recording and Music production



Motion Pictures, Sound recording and Music production under Information and Communication sector contracted by -1.08% in Q4 2016 from -3.69% in Q3 2016 and



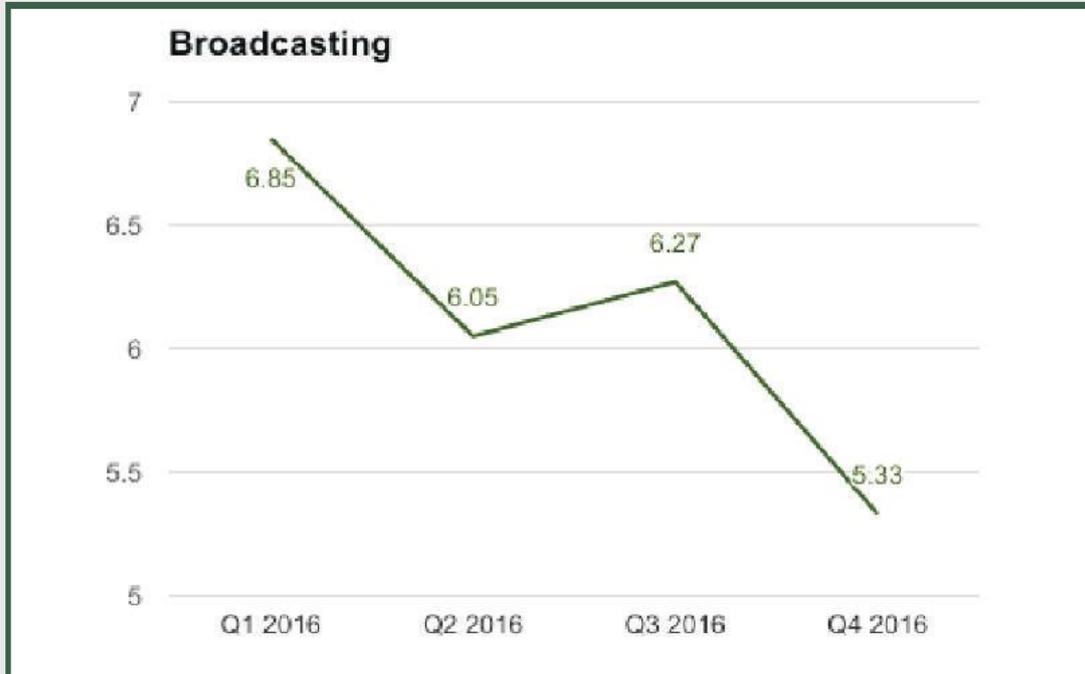
Motion Pictures, Sound recording and Music production under Information and Communication sector contracted by -4.08% in full year 2016 from 4.06% in 2015



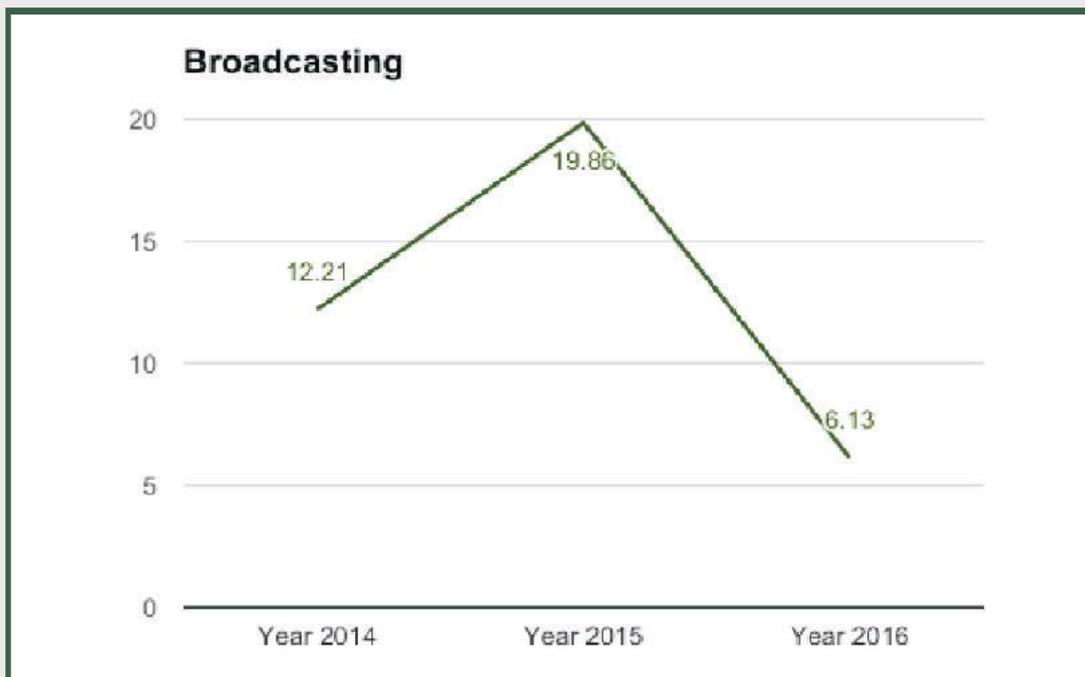
# GDP REPORT Q4 2016

## Broadcasting: - Q4 2016

### Broadcasting



Broadcasting under Information and Communication sector grew by 5.33% in Q4 2016 from 6.27% in Q3 2016 and 6.05% in Q2 2016.

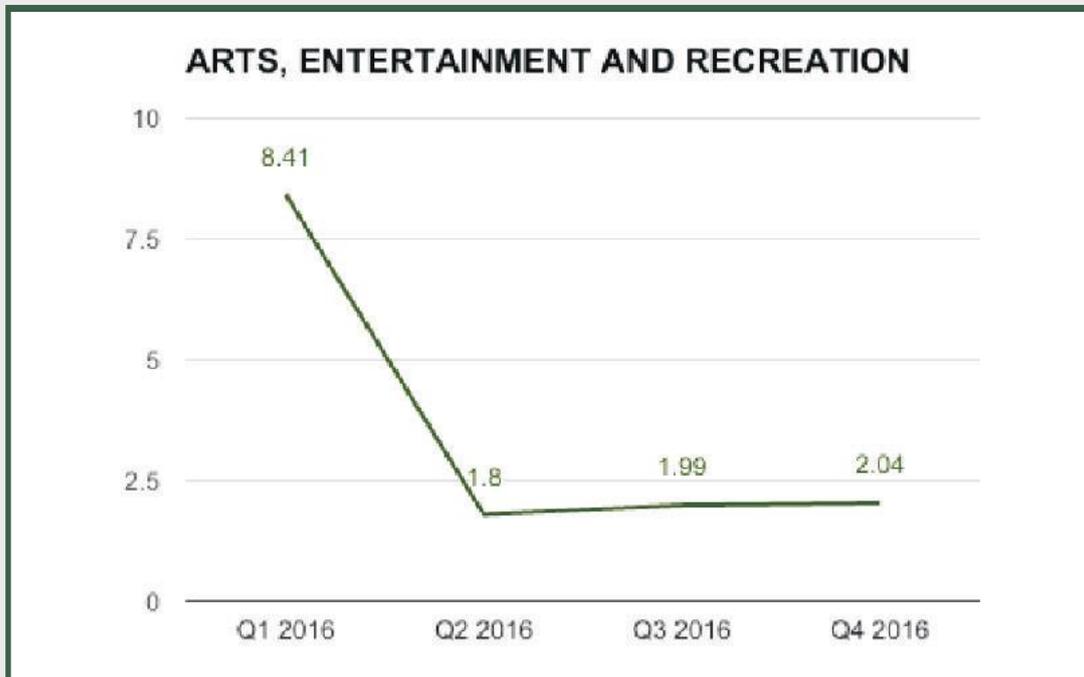


Broadcasting under Information and Communication sector grew by 6.13% in full year 2016 from 19.86% in 2015 and 12.21% in 2014.

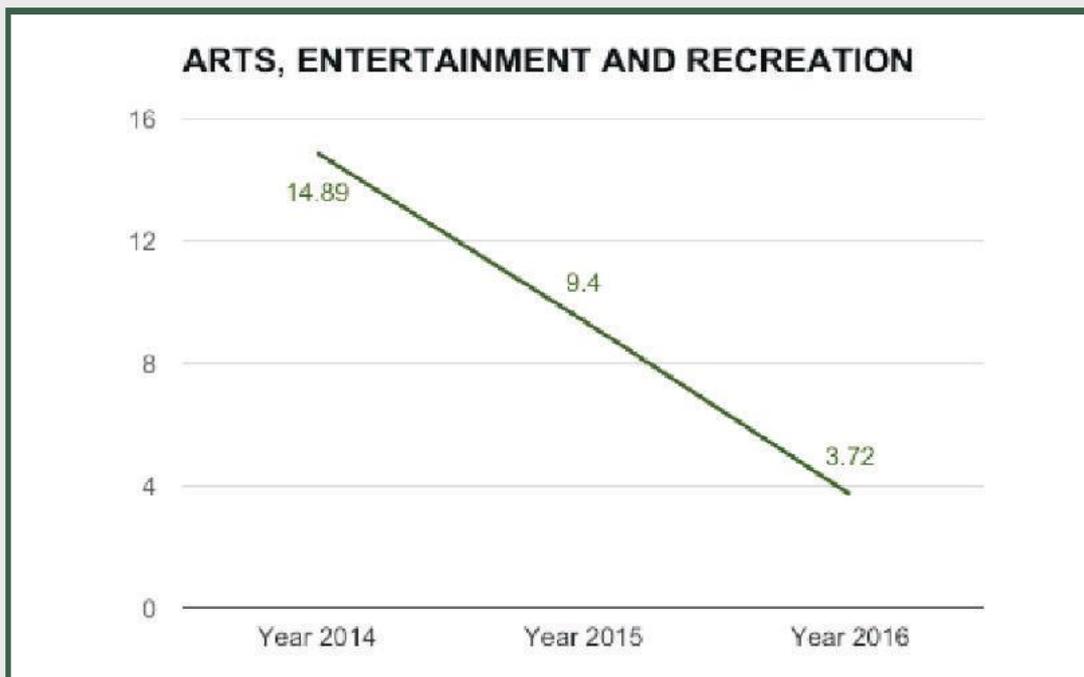
# GDP REPORT Q4 2016

## Arts, Entertainment and Recreation: – Q4 2016

### Arts, Entertainment and Recreation



Arts, Entertainment and Recreation sector grew by 2.04% in Q4 2016 from 1.99% in Q3 2016 and 1.8% in Q2 2016.



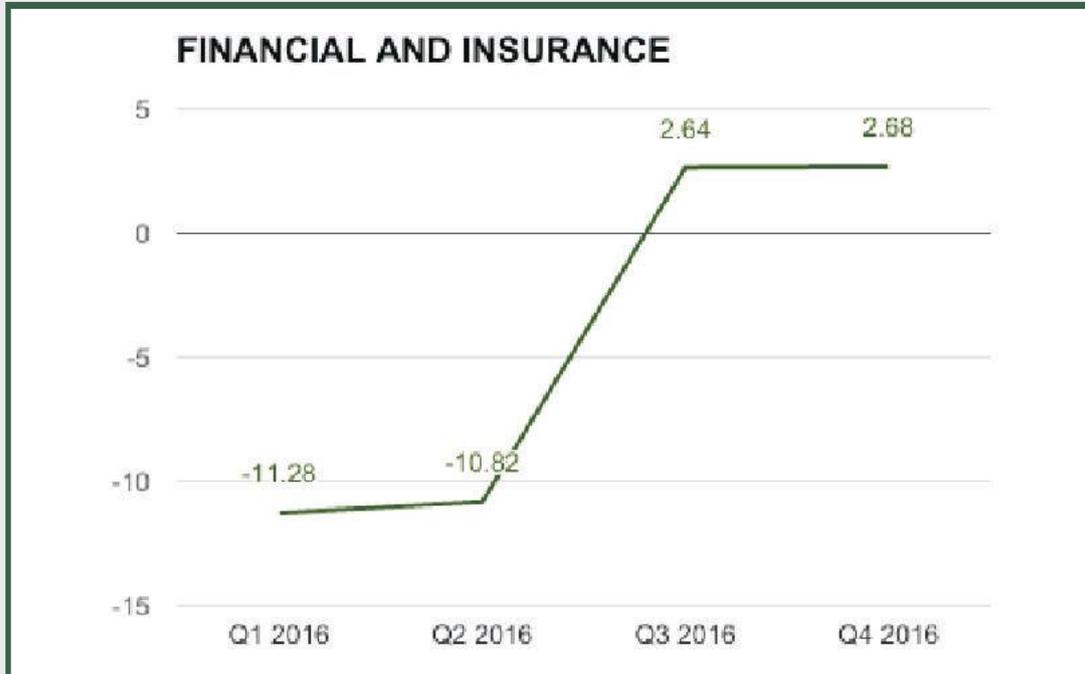
Arts, Entertainment and Recreation sector grew by 3.72% in full year 2016 from 9.4% in 2015 and 14.89% in 2014.



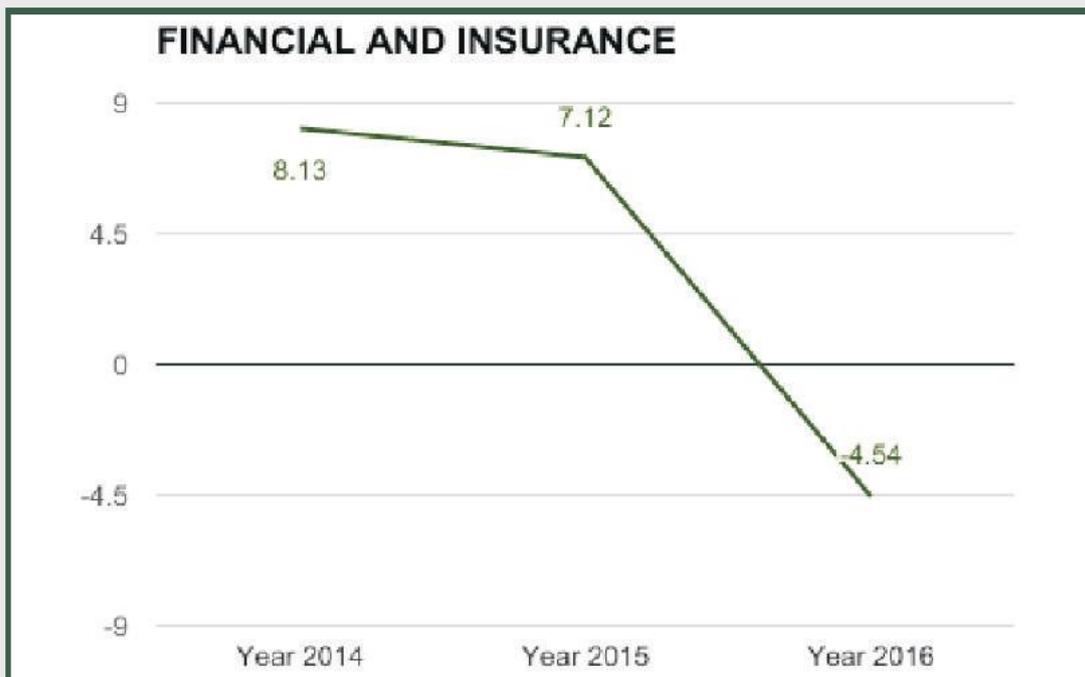
# GDP REPORT Q4 2016

## Financial and Insurance: Q4 2016

### Financial and Insurance sector



Financial and Insurance sector grew by 2.68% in Q4 2016 from 2.64% in Q3 2016 and -10.82% in Q2 2016.



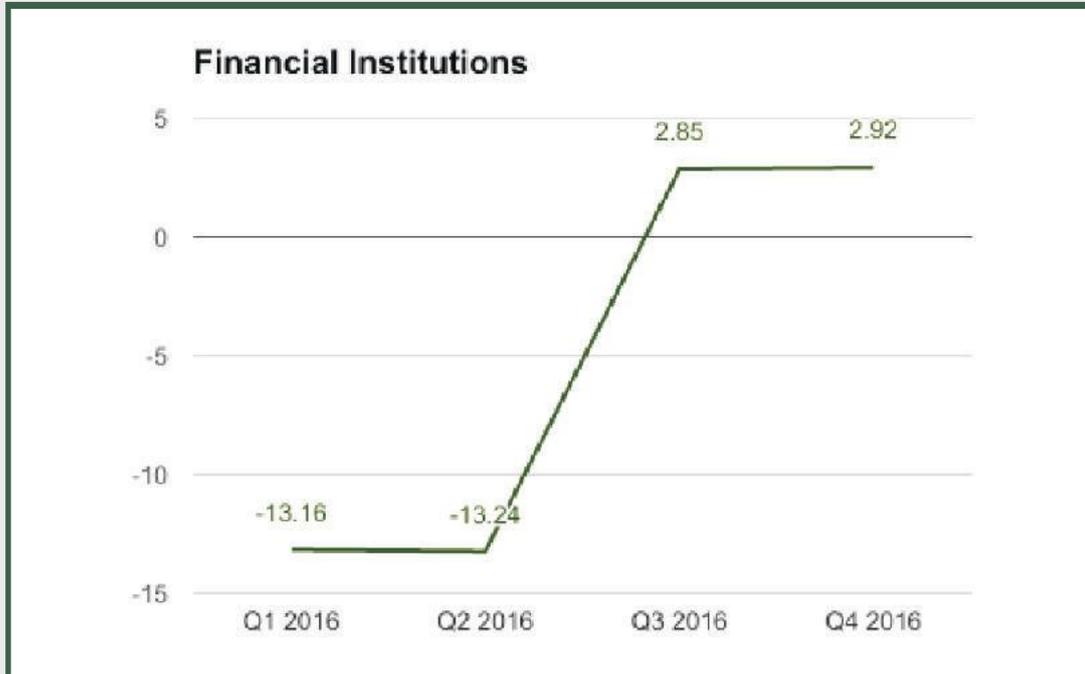
Financial and Insurance sector contracted by -4.54% in full year 2016 from 7.12% in 2015 and 8.13% in 2014.



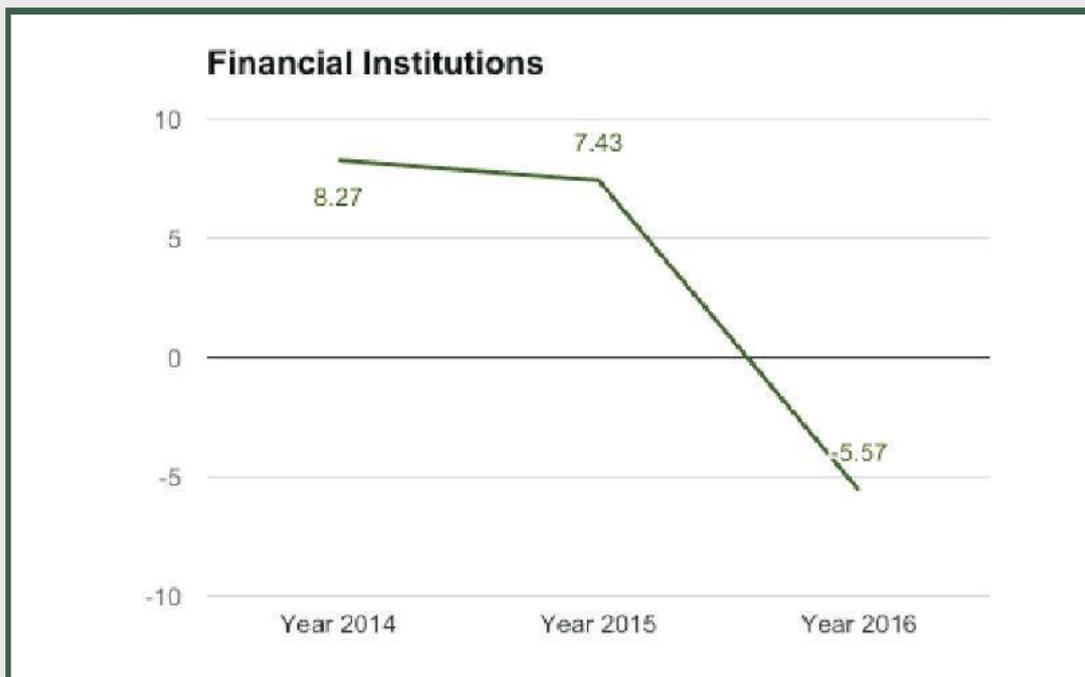
# GDP REPORT Q4 2016

## Financial Institutions: - Q4 2016

### Financial Institutions



Financial Institutions under Financial and Insurance sector grew by 2.92% in Q4 2016 from 2.85% in Q3 2016 and -13.24% in Q2 2016.



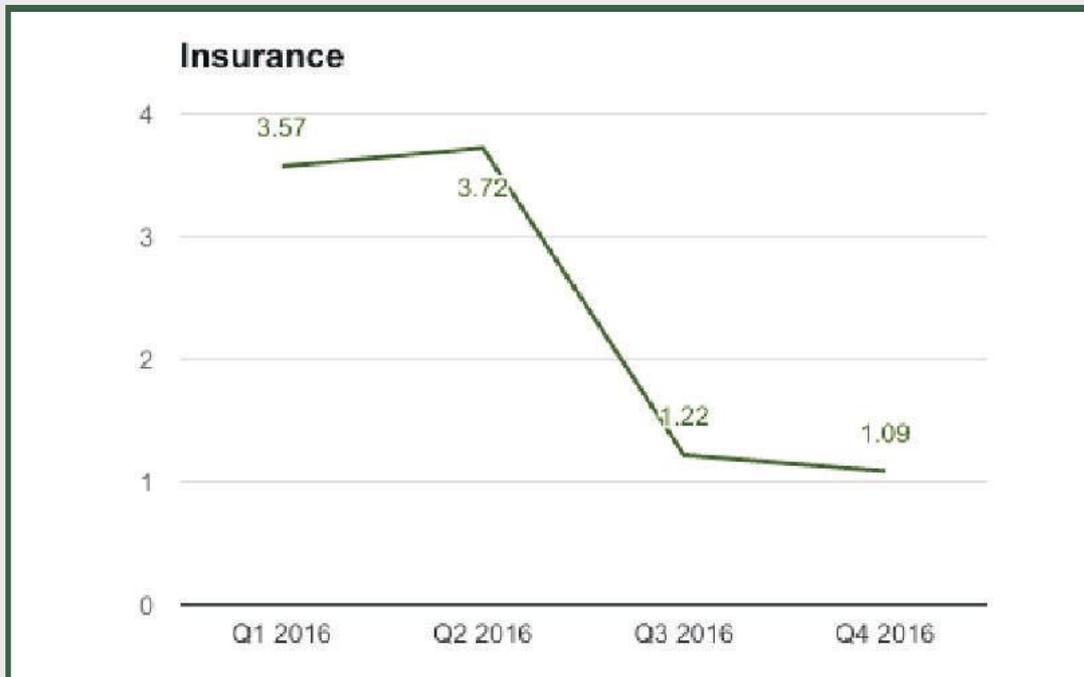
Financial Institutions under Financial and Insurance sector contracted by -5.57% in full year 2016 from 7.43% in 2015 and 8.27% in 2014.



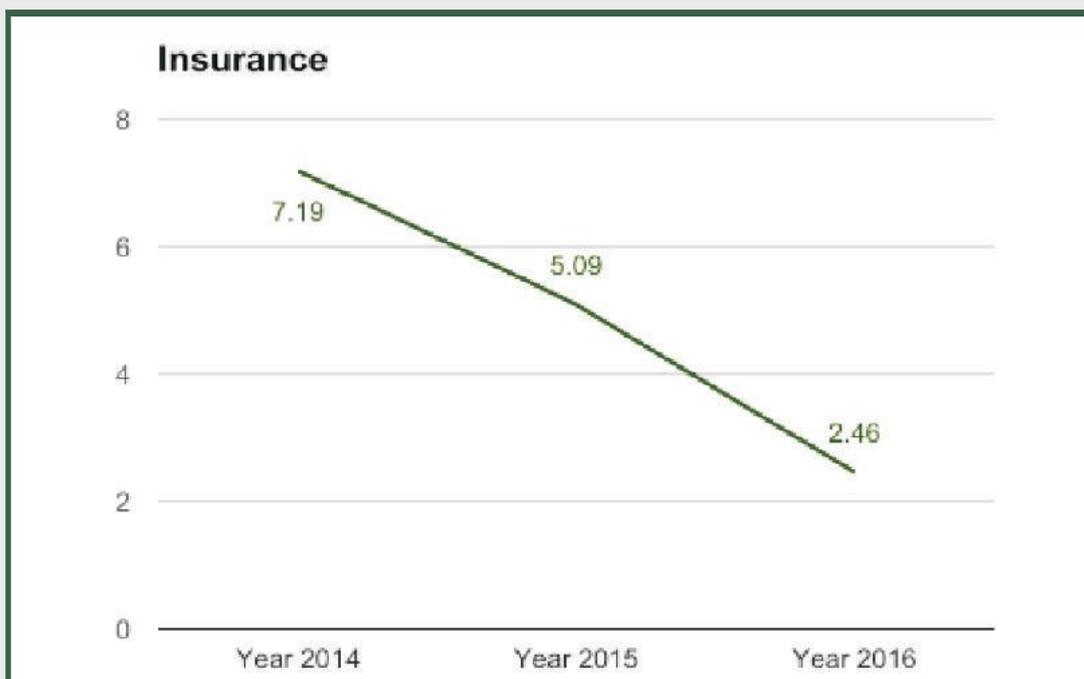
# GDP REPORT Q4 2016

Insurance: - Q4 2016

## Insurance



Insurance under Financial and Insurance sector grew by 1.09% in Q4 2016 from 1.22% in Q3 2016 and 3.72% in Q2 2016.



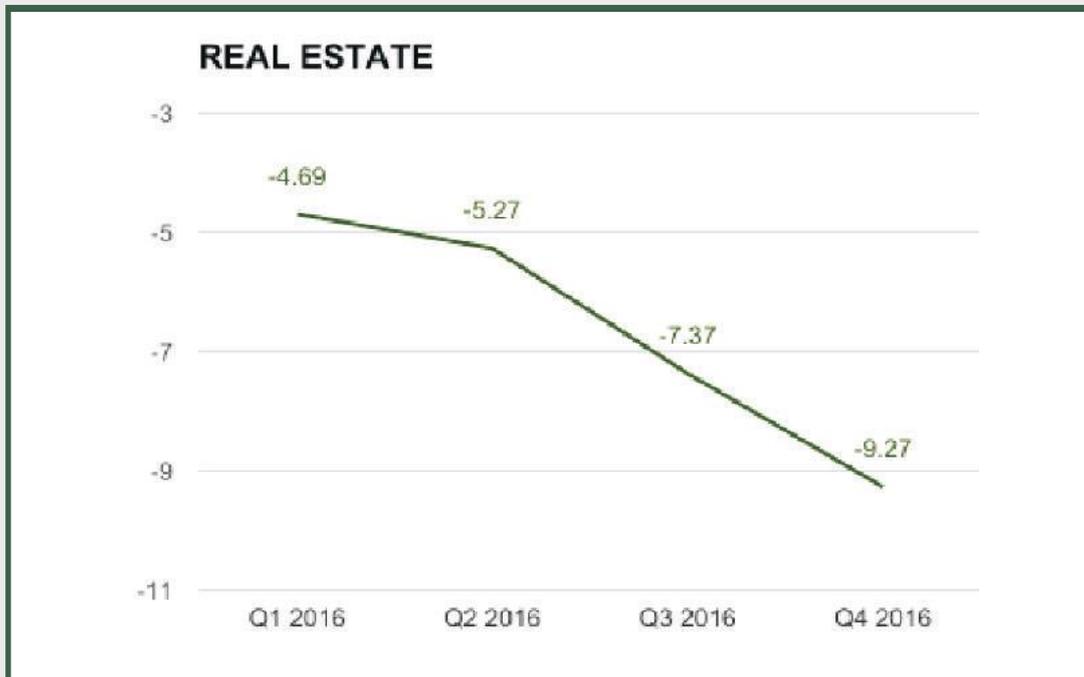
Insurance under Financial and Insurance sector grew by 2.46% in full year 2016 from 5.09% in 2015 and 7.19% in 2014.



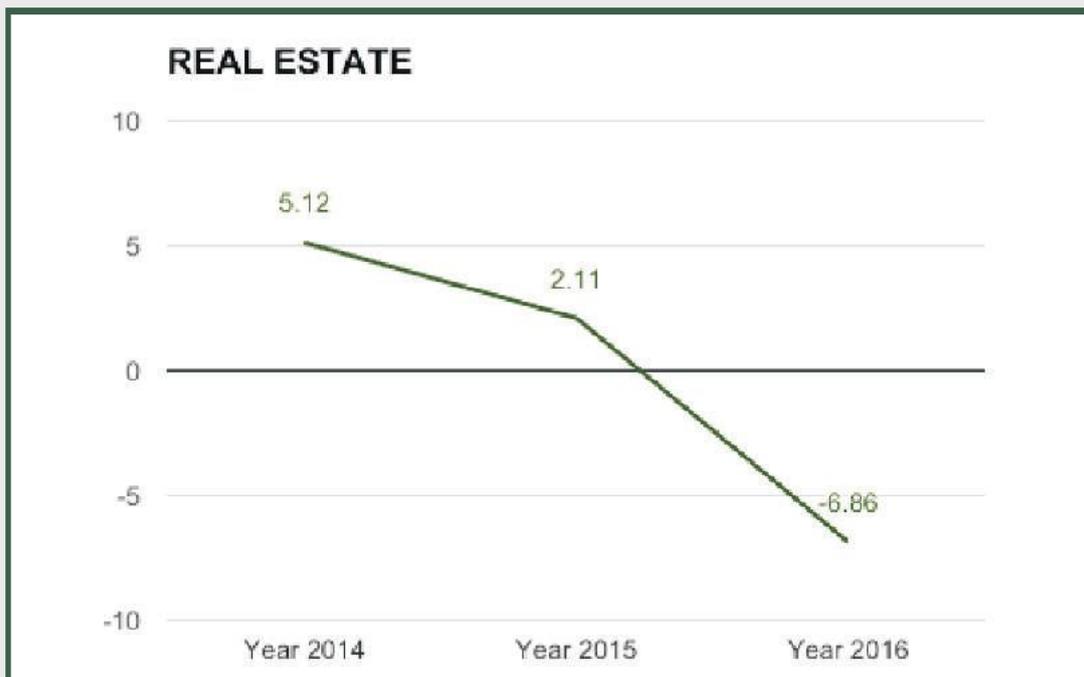
# GDP REPORT Q4 2016

## Real Estate: - Q4 2016

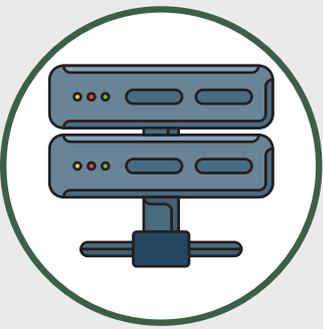
### Real Estate



Real Estate sector contracted by -9.27% in Q4 2016 from -7.37% in Q3 2016 and -5.27% in Q2 2016.



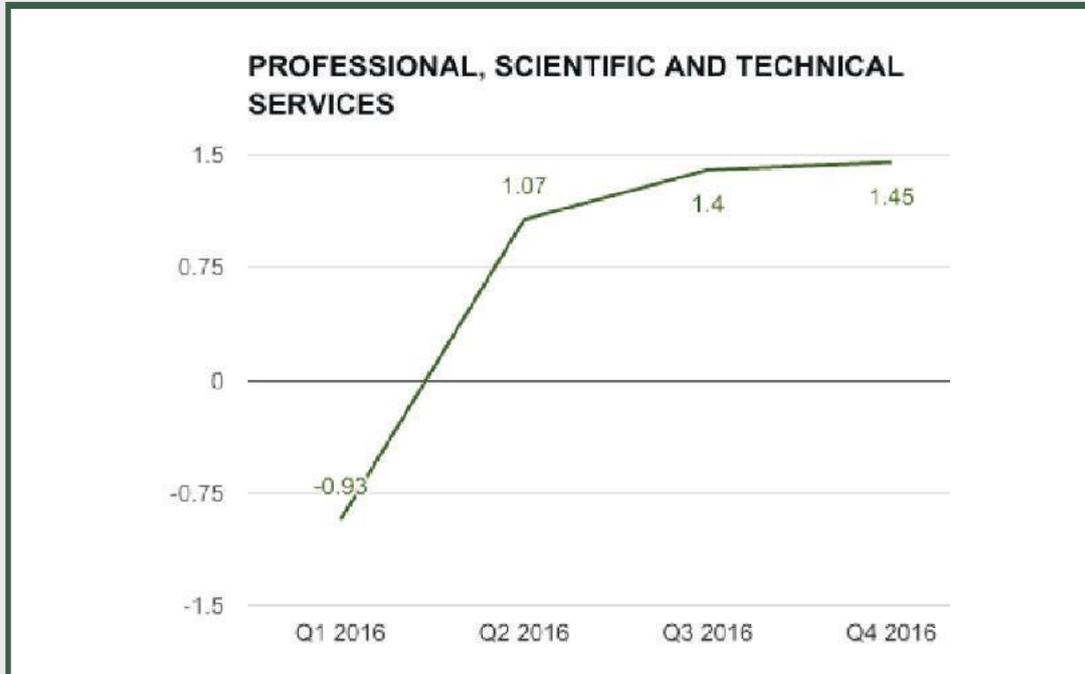
Real Estate sector contracted by -6.86% in full year 2016 from 2.11% in 2015 and 5.12% in 2014.



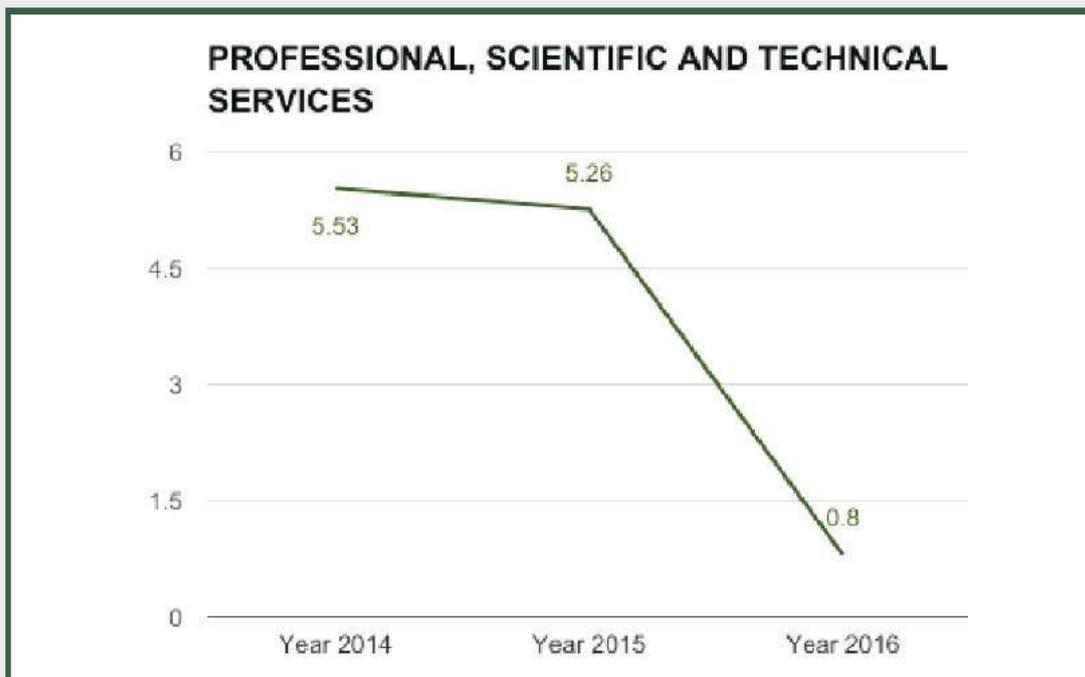
# GDP REPORT Q4 2016

## Professional, Scientific and Technical Services: - Q4 2016

### Professional, Scientific and Technical Services



Professional, Scientific and Technical Services sector grew by 1.45% in Q4 2016 from 1.4% in Q3 2016 and 1.07% in Q2 2016.



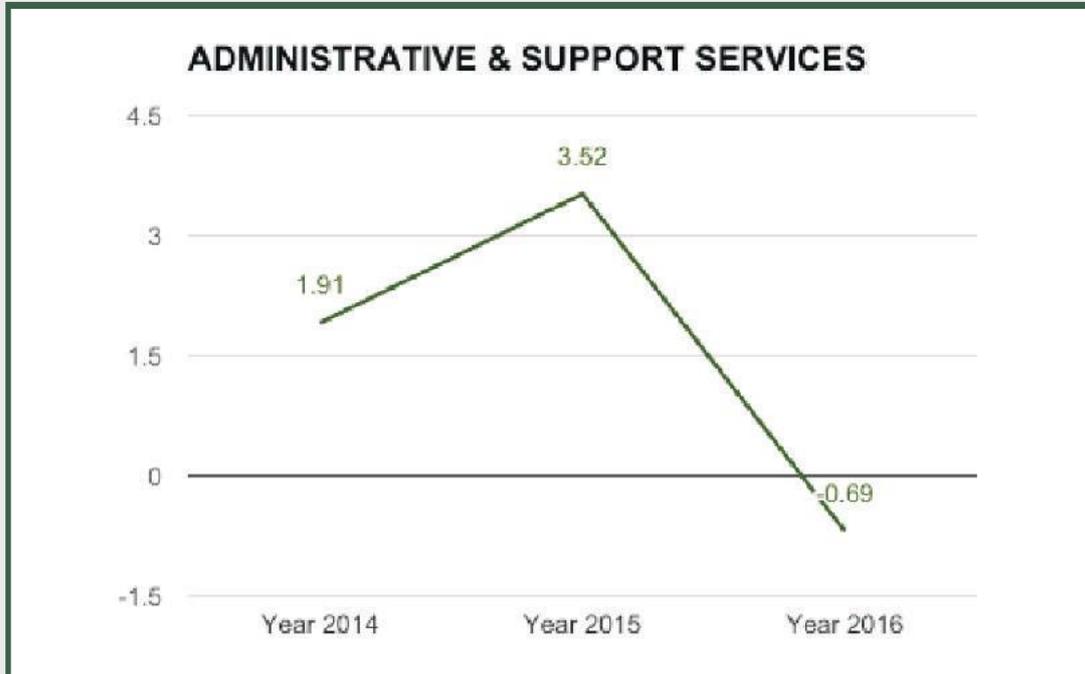
Professional, Scientific and Technical Services sector grew by 0.8% in full year 2016 from 5.26% in 2015 and 5.53% in 2014.



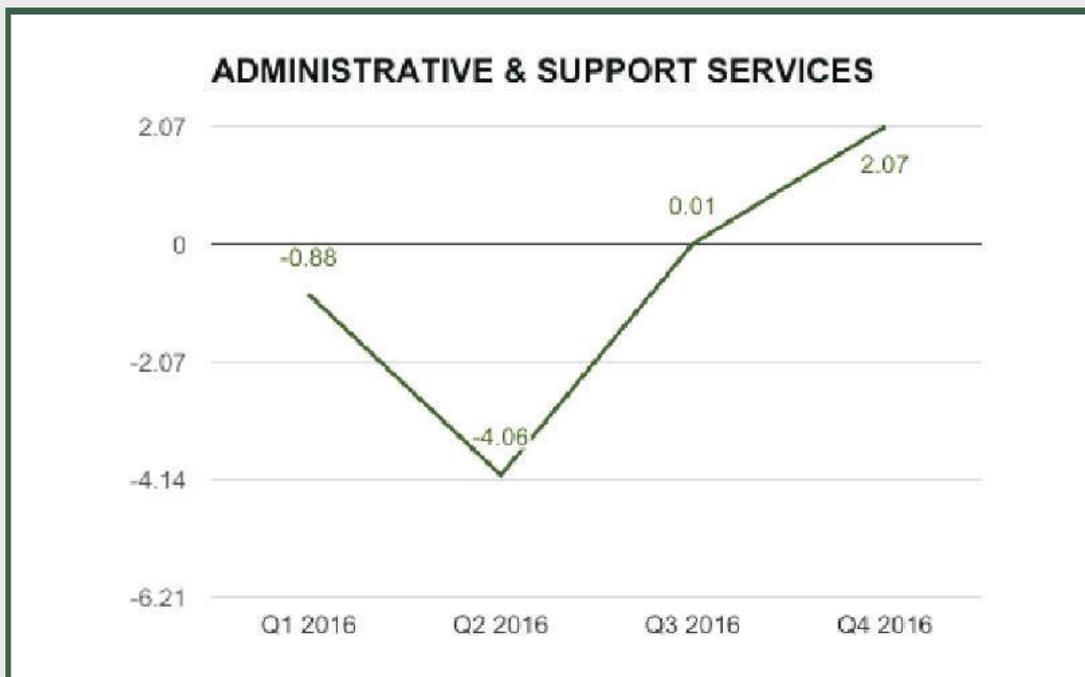
# GDP REPORT Q4 2016

## Administrative & Support Services: – Q4 2016

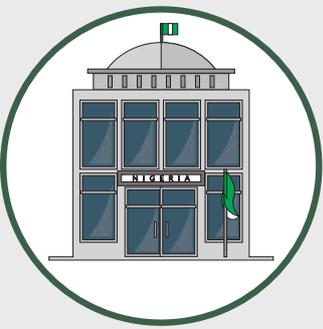
### Administrative & Support Services



Administrative & Support Services sector grew by 2.07% in Q4 2016 from 0.01% in Q3 2016 and -4.06% in Q2 2016.



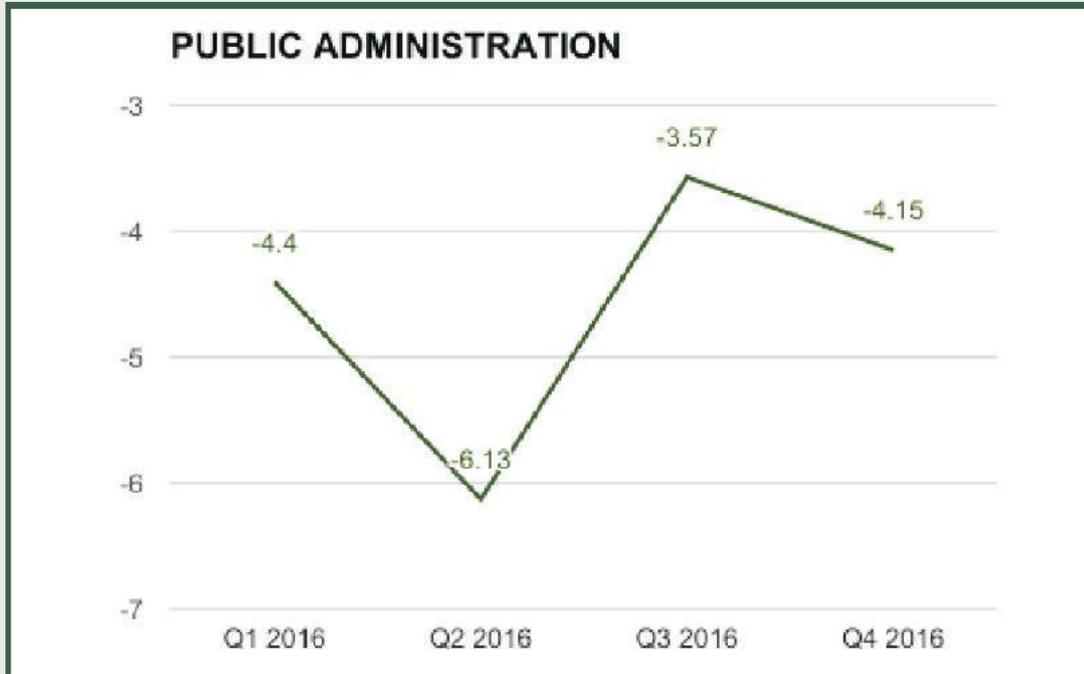
Administrative & Support Services sector contracted by -0.69% in full year 2016 from 3.52% in 2015 and 1.91% in 2014.



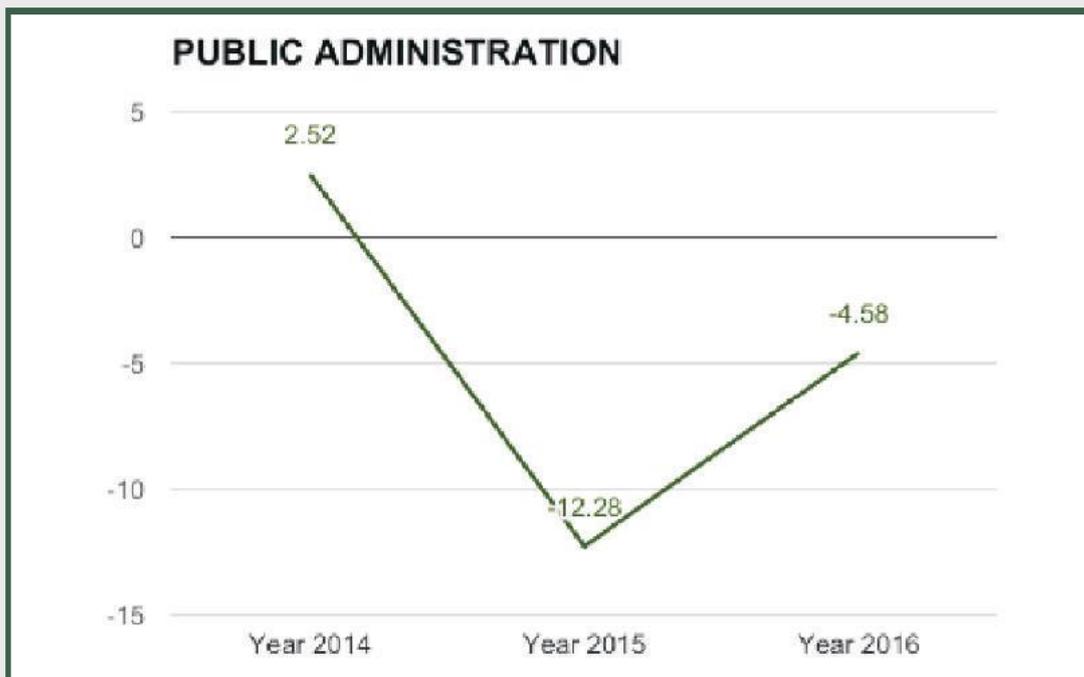
# GDP REPORT Q4 2016

## Public Administration: - Q4 2016

### Public Administration



Public Administration sector contracted by -4.15% in Q4 2016 from -3.57% in Q3 2016 and -6.13% in Q2 2016.



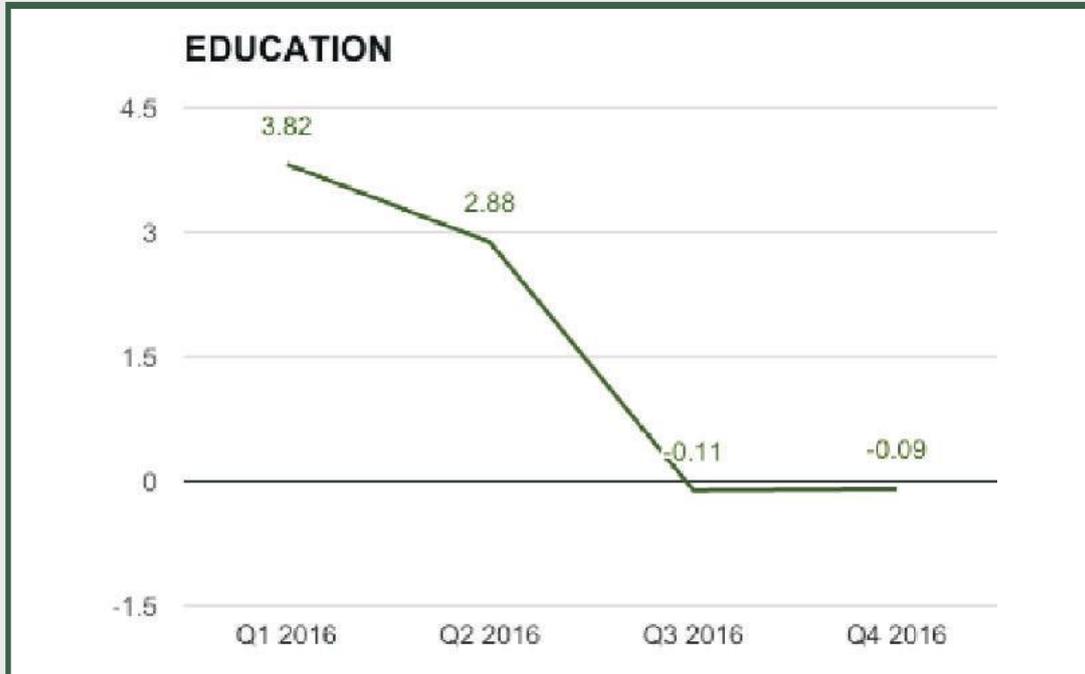
Public Administration sector contracted by -4.58% in full year 2016 from -12.28% in 2015 and 2.52% in 2014.



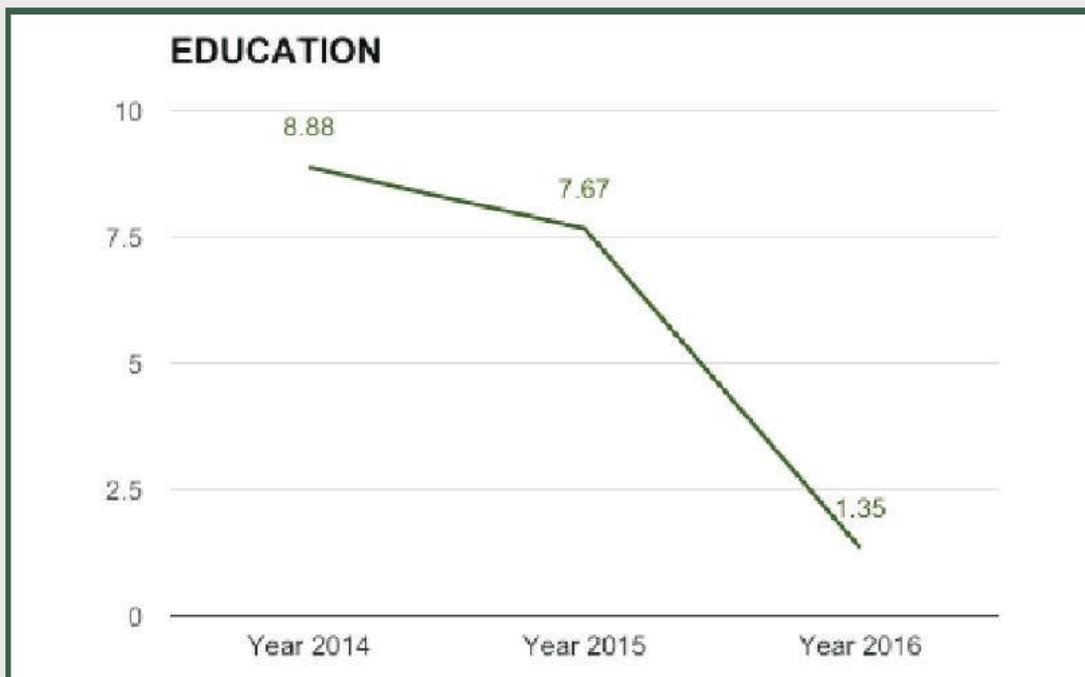
# GDP REPORT Q4 2016

## Education: - Q4 2016

### Education



Education sector contracted by -0.09% in Q4 2016 from -0.11% in Q3 2016 and 2.88% in Q2 2016.



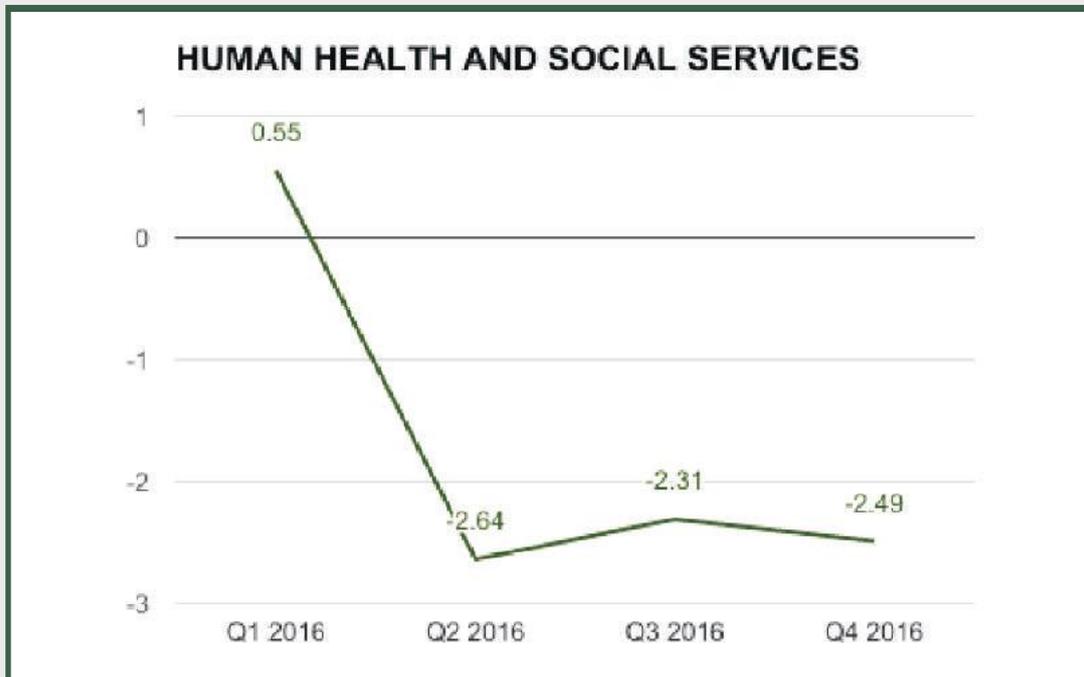
Education sector grew by 1.35% in full year 2016 from -7.67% in 2015 and 8.88% in 2014.



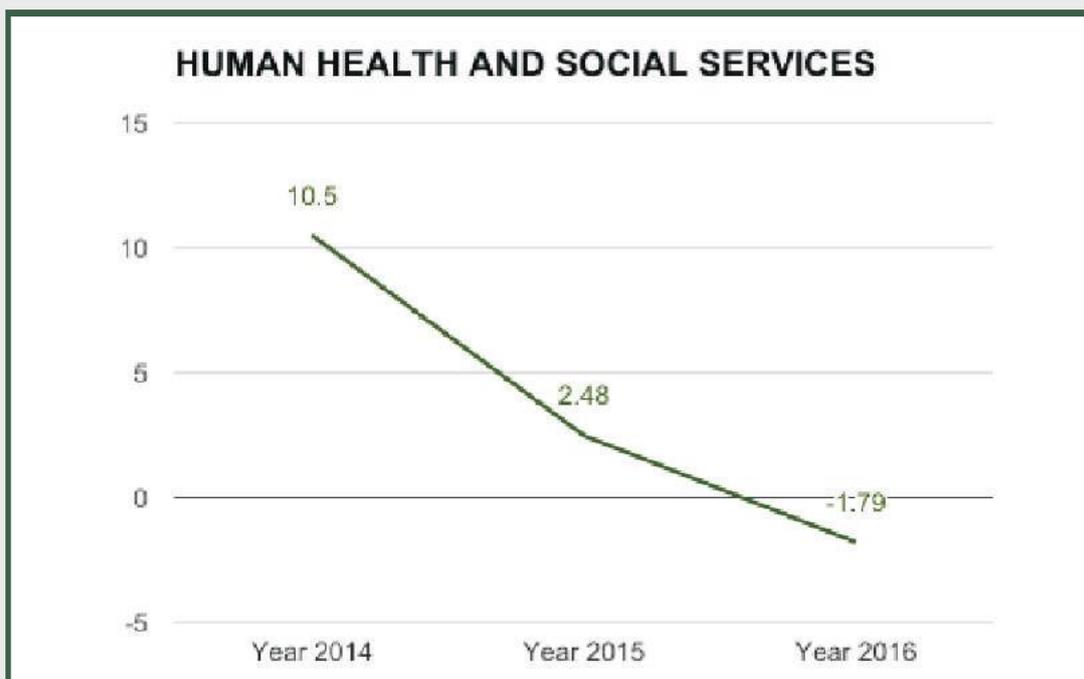
# GDP REPORT Q4 2016

## Human Health and Social Services: - Q4 2016

### Human Health and Social Services



Human Health and Social Services sector contracted by -2.49% in Q4 2016 from -2.31% in Q3 2016 and -2.64% in Q2 2016.



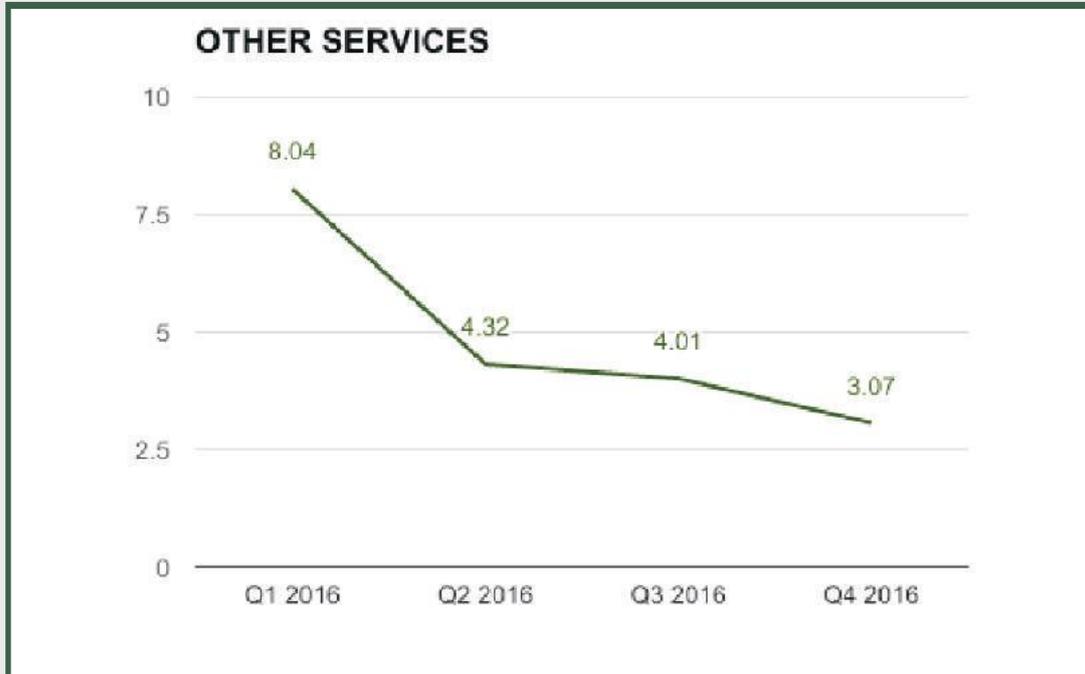
Human Health and Social Services sector contracted by -1.79% in full year 2016 from 2.48% in 2015 and 10.5% in 2014.



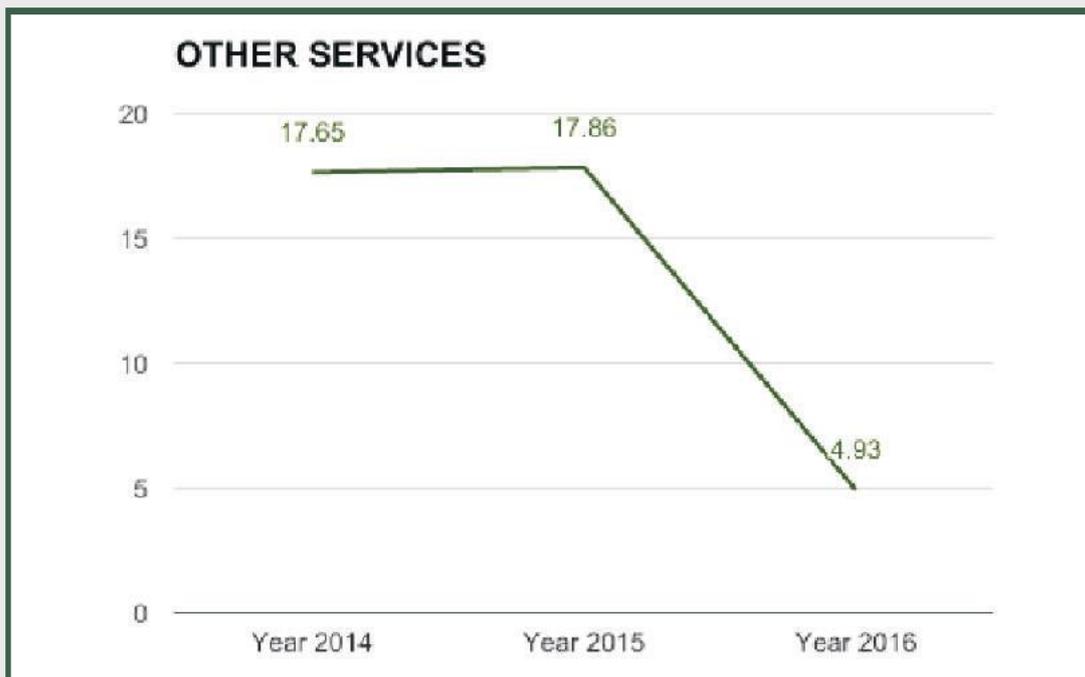
# GDP REPORT Q4 2016

## Other Services: - Q4 2016

### Other Services



Other Services sector grew by 3.07% in Q4 2016 from 4.01% in Q3 2016 and 4.32% in Q2 2016.



Other Services sector grew by 4.93% in full year 2016 from 17.86% in 2015 and 17.65% in 2014.

# Methodological Notes

Quarterly National Accounts (QNA) are an integrated system of macroeconomic accounts designed to describe the entire system of production in a nation on a quarterly basis. They provide a picture of the current economic status of an economy on a more frequent basis than Annual National Accounts (ANA). In providing a reasonable level of detailed information of the economy, QNA allows the government to regularly assess, analyse and monitor economic developments.

In line with international standards outlined under the United Nations Statistics Division (UNSTATS), four major methodological pillars underpin GDP compilation in Nigeria: The System of National Accounts (SNA 2008 version) The internationally agreed standard of recommendations as to how to compile measures of economic activity.

The International Standard Industrial Classification (ISIC Revision 4.0): This is the international reference for the classification of productive activities. Its main purpose is to provide a set of activity categories that can be used for the collection and reporting of statistics according to such activities. The Central Product Classification (CPC version 2)

A classification based on the physical characteristics of goods or on the nature of services rendered. The CPC covers products that are output of economic activities.

Data for this analysis were obtained from the Quarterly Establishment Survey (QES) conducted by the National Bureau of Statistics (NBS), tax receipts from the Federal Inland Revenue Service, and other administrative sources such as the Nigerian National Petroleum Corporation. The series covers major aggregates of quarterly GDP under 46 activities at current and constant (2010) prices.

Using the above data and standards, GDP is computed as gross output minus intermediate consumption. Both gross output and intermediate consumption are detailed below for each activity:

## 1. AGRICULTURE

Under Section A, Division 01-03 of ISIC rev 4, Agriculture is divided into four main activities.

### 1.1 CROP PRODUCTION

Section A, Division 01 of ISIC Rev 4

**Gross Output:** Quantities produced multiplied by farm gate price, less losses (wastages).

**Intermediate consumption:** Seeds, fertilizer, pesticides, hire of farm implements and simple farm tools that are used up in one farming season.

### 1.2 LIVESTOCK PRODUCTION

Section A, Division 01 of ISIC Rev 4

**Gross Output is calculated using the following** Live animals and their produce + imports = animals slaughtered and their produce – animals which died of natural causes + exports + change in animal stock.

**Intermediate Consumption:** Value of animal feeds as input in the production of livestock and livestock products (such as broiler starter concentrate, breeder concentrate, ground cake, guinea corn etc.)

# Methodological Notes

## 1.3 FORESTRY

Section A, Division 02 of ISIC Rev 4

**Gross Output:** Value and quantity of timbers of various types (firewood, charcoal, uncultivated materials gathered). Other forest products obtained using expenditure approach. Sawn-logs, and other wood products categories are obtained using the production method, whereby, the quantity of logs produced is multiplied by the price per cubic of log.

**Intermediate consumption:** Expenditure on seeds and sapling, fuel oils, lubricants, feed, hand tools and spare parts, payments for contract work and other services.

## 1.4 FISHING

Section A, Division 03 of ISIC Rev 4

**Gross Output:** Measured by multiplying quantity in kilogram by the average price to obtain the value of production.

**Intermediate consumption:** Intermediate consumption here is captured according to expenditure on fingerlings, nets, feeds and other operating expenses.

## 2. MINING AND QUARRYING

Section B, Division 05-09 of ISIC Rev 4.0

### 2.1 CRUDE PETROLEUM AND NATURAL GAS

Section B, Division 06 of ISIC Rev 4

**Gross Output:** Quantity of crude petroleum produced (barrels) and Natural gas in million cubic feet (mcf) multiplied by the average price in domestic currency (equivalent of the price in dollar during the account period).

**Intermediate Consumption:** Includes purchase of consultancy services, Transportation, Electricity Bills, Water bills, Cost of Fuel used, Minor Repairs and Maintenance, Medical expense to staff, License & Registration fees, Travelling allowance, Staff Uniform, Rents on machinery & buildings, Spare Parts etc.

### 2.2 COAL MINING

Section B, Division 05 of ISIC Rev 4

**Gross Output:** Quantity produced multiplied by the average price.

**Intermediate Consumption:** Cost of raw materials used; both imported and Local, purchase of consultancy services, transportation, electricity bills, water bills, cost of fuel used, minor repairs and maintenance, medical expense to staff, royalty, travelling allowance, special clothing use at work, rents on machinery & buildings, Spare Parts etc.

### 2.3 METAL ORES

Section B, Division 07 of ISIC Rev 4

**Gross Output:** Quantity produced multiplied by the average price

**Intermediate Consumption:** Cost of raw materials used; both imported and Local, purchase of consultancy services, transportation, electricity bills, water bills, cost of fuel used, minor repairs and maintenance, medical expense to staff, royalty, travelling allowance, special clothing used at work, rents on machinery & buildings, Spare Parts etc.

### 2.4 QUARRYING AND OTHER MINING

Section B, Division 08 of ISIC Rev 4

**Gross Output:** Quantity produced multiplied by the average price

**Intermediate Consumption:** Cost of raw materials used; both imported and local, purchase of consultancy services, transportation, electricity bills, water bills, cost of fuel used, minor repairs and maintenance, medical expense to staff, royalty, travelling allowance, special clothing used at work, rents on machinery & buildings, Spare Parts etc.

# Methodological Notes

## 3. MANUFACTURING

Section C, Division 10-33 of ISIC Rev 4.

**Gross output** = Revenue from sales of goods + Revenue from sales of goods bought for resale (trade margin) + Revenue from rendering services to other + Closing stock of finished goods - Opening stock of finished goods + Closing stock of work-in-progress - Opening stock of work-in-progress

**Intermediate consumption** = Purchases of raw materials and supplies + Purchases of goods bought for resale + Purchases of packaging materials + Fuels and lubricants + Electricity + Water and Sewerage + Repair and Maintenance + Freight charges and transport + Closing stock of raw materials and supplies - Opening stock of raw materials and supplies + Insurance premium + All other costs and expenses for goods and services

## 4. ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY

Section D, Division 35 of ISIC Rev 4.

**Gross Output:** The value of output is the amount of gas and electricity paid for. Hence, value added is the output less intermediate consumption.

**Intermediate Consumption** = other cost of sales + Indirect expenses

## 5. WATER SUPPLY, SEWERAGE, WASTE MANAGEMENT AND REMEDIATION

Section E, Division 36 of ISIC Rev. 4

**Gross output** = Water revenue + Sewage revenue + New connections

**Intermediate Consumption** = other cost of sales + Indirect expenses

## 6. TRADE

Section G, Divisions 45 to 47 of ISIC Rev. 4.

**Gross Output:** This is equal to the trade margin, i.e. the difference between the revenue of goods sold and the value of the goods purchased for resale.

**Intermediate Consumption:** Goods and services needed to run the trading establishment, such as packaging materials, electricity, office supplies, and rentals.

## 7. CONSTRUCTION

Section F, Division 41 to 43 of ISIC Rev 4.

**Gross Output:** Value of work done and other incomes.

**Intermediate Consumption:** This comprises cement, blocks, metals/iron bars, sand, stone, wood, gravel, other construction inputs, and cost of fuel used by generator, water bills and expenses on internet services/telephone/postage bills during the construction period.

## 8. ACCOMMODATION AND FOOD SERVICES

Section I, Division 55 to 56 of ISIC Rev. 4.

**Gross Output:** Income generated from Accommodation, Catering, Restaurants, Beverage Service activities, Other income

**Intermediate Consumption** includes expenses incurred in running the businesses.

## 9. TRANSPORTATION AND STORAGE

This industry broadly categorized under ISIC Rev. 4, Section H, division 49-53. The sector is divided into 6 subeconomic activities.

# Methodological Notes

## 9.1 ROAD TRANSPORT

Section H, Division 49 of ISIC Rev 4

**Gross Output:** The output of road transport is the revenue generated for the period under consideration.

**Intermediate Consumption:** Intermediate consumption consists of fuels and lubricants used electricity bills, water bills, office supplies, and rentals.

## 9.2 RAIL TRANSPORT AND PIPELINES

Section H, Division 49 of ISIC Rev 4

**Gross Output:** Receipts from passengers, goods traffic and subventions from Federal Government. The Petroleum Pipeline Product income is from the transportation of the petroleum products and crude oil to designated depots and refineries in Nigeria.

**Intermediate Consumption:** This consists of the summation of all expenses incurred in the production process such as fuels and lubricants used, electricity bills, water bills, office supplies, and rentals.

## 9.3 WATER TRANSPORT

Section H, Division 50 of ISIC Rev 4

**Gross Output:** Receipts from passengers and goods traffic.

**Intermediate Consumption:** Fuels and lubricants used electricity bills, water bills, office supplies, and rentals.

## 9.4 AIR TRANSPORT

Section H, Division 51 of ISIC Rev 4

**Gross Output:** Receipts from passengers and Cargoes (goods traffic).

**Intermediate Consumption:** Fuels and lubricants used, electricity bills, water bills, office supplies, and rentals, Spare parts, Consultancy, Audit fees.

## 9.5 TRANSPORT SERVICES

Section H, Division 52 of ISIC Rev 4

**Gross Output:** Receipts from services for storage and transportation activities.

**Intermediate Consumption:** Fuels and lubricants used, transportation cost, electricity bills, water bills, office supplies, and rentals.

## 9.6 POST AND COURIER SERVICES

Section H, Division 53 of ISIC Rev 4

**Gross Output:** Receipts from services rendered on number of mails and parcels handled.

**Intermediate Consumption:** Fuels and lubricants used, transportation cost, electricity bills, water bills, office supplies, and rentals.

## 10. INFORMATION AND COMMUNICATION

Categorized under ISIC Rev.4, Section J, Division 58-63, the sector is divided into 4 economic activities:

### 10.1 TELECOMMUNICATION AND INFORMATION SERVICES

Section J, division 61 to 63 of ISIC Rev 4.

**Gross Output:** Revenue from telephone, telex, Facsimile, telegraph, and other income from satellite and internet services.

**Intermediate consumption:** Transit fees, operational expenditure, minor repairs and maintenance and other expenses.

## 10.2 PUBLISHING

Section J, Division 58 of ISIC Rev 4

**Gross Output:** Revenue from publishing services.

**Intermediate consumption:** This includes details of the cost structure including transportation fees, operational expenditure, minor repairs etc.

## 10.3 MOTION PICTURE AND SOUND RECORDING

Section J, Division 59 of ISIC Rev 4.

**Gross Output:** Revenue generated/total sales from the number of movies and sound recordings produced including revenue generated from TV rights, royalties and fees.

**Intermediate consumption:** Detail on the cost structure of operating firms including transportation fees, operational expenditure, minor repairs and maintenance, and other administrative expenses.

## 10.4 BROADCASTING

Section J, Division 60 of ISIC Rev 4

**Gross Output:** Public corporation data derived from Accountants General's reports, while private component relies on revenue generated from services rendered e.g. advertisement.

**Intermediate consumption:** Details of the cost structure of market participants which include transportation fees, operational expenditure, minor repairs and maintenance

## 11. ARTS ENTERTAINMENT AND RECREATION

Section R, division 90-93 of ISIC Rev 4.

**Gross Output:** Revenue generated was estimated in two categories: one as a market output and the second as non-market output (public establishments)

**Intermediate consumption:** Details of the cost structure were obtained from the financial reports of firms.

## 12. FINANCE AND INSURANCE SERVICES

Section k, Division 64-66 of ISIC Rev 4, Finance and Insurance Services is divided into two (2) sectors.

### 12.1 FINANCIAL INSTITUTIONS

Section K, Division 64 of ISIC Rev 4

**Gross Output:** Gross output for financial services are measured by Financial Services Indirectly Measured (FISIM).

**Gross Output** = Implicit service charges (FISIM) + Explicit service charges.

**Intermediate Consumption:** Details of the cost structure are extracted from the data supplied such as; Currency Issue Expenses, Administrative Expenses, Repairs and Maintenance, Consultancy Fees, Bank Charges, Audit fees, Directors related expenses

# Methodological Notes

## 12.2. INSURANCE

Section K, Division 65 of ISIC Rev 4

### Gross Output:

**Output of life insurance:** Output = Actual premiums earned + Plus Premium supplements - Benefits due - Minus Increases (plus decreases) in life insurance technical reserves

**Output of non-life (General) insurance: Output** = Actual premiums earned + Premium supplements - Adjusted claims incurred

**Output of funded pension fund: Output** = Actual pension contributions + Supplementary contributions - Benefits due + Plus Change in the actuarial reserves + Property income

**Intermediate consumption:** consists of the cost structure (operating expenses) from the annual reports of institutions.

## 13. REAL ESTATE

Section L, Division 68 of ISIC Rev 4

**Gross Output:** Sum of fees and commissions receivable for the services rendered.

**Intermediate consumption:** Details of the cost structure including transportation fees, operational expenditure, minor repairs and maintenance etc.

## 14. PROFESSIONAL SCIENTIFIC AND TECHNICAL SERVICES

Section M, Division 69-75 of ISIC Rev 4.

**Gross Output:** Sum of revenues receivable for the services rendered.

**Intermediate consumption:** Details of the cost structure including transportation fees, operational expenditure, minor repairs and maintenance etc.

## 15. ADMINISTRATIVE AND SUPPORT SERVICES

Section N, Division 77-82 of ISIC RE 4.

**Gross Output:** Sum of fees and commissions receivable for the services rendered.

**Intermediate consumption:** Details of the cost structure including transportation fees, operational expenditure, minor repairs and maintenance etc.

## 16. PUBLIC ADMINISTRATION

Section O, Division 48 of ISIC Rev. 4

**Gross output Basic** = **Intermediate consumption** (Less commodity sales and fees) + Compensation of employees + Consumption of fixed capital + Other taxes less subsidies on production.

# Methodological Notes

## 17. EDUCATION

Section P, division 85 of ISIC Rev. 4.

**Gross Output:** Consists of government production, which is a non-market service offered without charge or at a price not economically significant, and private production, offered at the market price.

**Government Production (non-market service):**

Gross output Basic = +Intermediate consumption (Less commodity sales and fees) + Compensation of employees + Consumption of fixed capital + Other taxes less subsidies on production.

**Private Production (market service):**

Gross output Basic = Total output - Intermediate consumption + other taxes less subsidies on production.

**Intermediate consumption:** Details of cost structure including transportation fees, operational expenditure, minor repairs and maintenance etc.

## 18. HUMAN HEALTH AND SOCIAL SERVICES

Section Q, Division 86-88 of ISIC Rev. 4.

**Gross Output:** Consists of government production, which is a non-market service offered without charge or at a price not economically significant, and private production, offered at the market price.

**Government production (non-market service):**

Gross output Basic = Intermediate consumption (Less commodity sales and fees) + Compensation of employees + Consumption of fixed capital + Other taxes less subsidies on production.

**Private production (market service):**

Gross output Basic = Total output - Intermediate consumption + other taxes less subsidies on production.

**Intermediate consumption:** Details of the cost structure of operators including transportation fees, operational expenditure, minor repairs and maintenance etc.

## 19. OTHER SERVICE ACTIVITIES

Section S Division 94 to 96 of ISIC Rev. 4.

**Gross Output:** Income generated from the various services rendered

# Appendix

**Table One: Gross Domestic Product At Current Basic Prices (=N=Million)**

ACTIVITY SECTOR	2015					2016				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
<b>AGRICULTURE</b>										
1. Crop Production	3,141,324.58	3,511,300.37	5,383,132.84	5,154,215.45	17,189,973.04	3,583,980.17	4,017,083.56	5,801,028.13	5,480,969.84	18,883,081.50
2. Livestock	420,993.06	400,924.91	416,847.85	507,259.22	1,746,025.04	464,969.11	437,827.87	433,401.39	539,584.99	1,875,783.35
3. Forestry	51,584.66	56,572.98	52,315.73	62,353.36	222,826.75	53,486.95	59,790.68	54,877.39	68,299.98	236,254.98
4. Fishing	124,957.92	119,844.28	105,171.69	126,170.31	476,144.21	165,454.83	115,157.00	109,355.82	138,425.01	528,392.66
<b>MINING AND QUARRYING</b>										
5. Crude Petroleum and Natural Gas	1,391,091.74	1,746,400.57	1,539,881.39	1,313,243.35	5,990,417.06	914,760.61	896,051.02	1,624,018.01	2,041,492.97	5,476,312.61
6. Coal Mining	2,438.93	2,440.34	966.84	2,137.19	7,983.40	2,611.14	2,466.24	977.20	2,439.75	8,494.33
7. Metal Ores	1,303.34	1,513.72	1,022.12	622.34	4,461.52	2,120.44	1,652.10	1,197.00	773.20	5,742.73
8. Quarrying and Other Minerals	23,458.87	21,526.41	24,180.39	27,981.17	97,146.83	2,654.31	22,949.75	29,181.23	34,220.15	87,985.44
<b>MANUFACTURING</b>										
9. Oil Refining	41,503.64	35,240.72	101,946.91	69,328.79	248,020.06	33,885.21	56,267.45	108,536.68	77,903.66	276,591.99
10. Cement	180,791.31	184,269.50	189,084.82	195,804.97	749,950.41	150,194.69	154,003.08	161,657.38	183,745.57	649,600.71
11. Food, Beverage and Tobacco	1,010,459.90	1,010,655.11	1,129,378.48	1,141,029.54	4,291,523.03	963,382.71	989,801.93	1,026,338.77	1,120,140.15	4,101,673.55
12. Textile, Apparel and Footwear	457,216.66	456,773.40	466,752.94	480,836.83	1,871,579.84	467,483.61	465,097.89	519,538.79	574,892.91	2,027,013.20
13. Wood and Wood Products	63,471.15	64,300.80	66,261.42	66,225.27	259,258.65	66,381.01	66,657.13	67,652.95	74,410.34	275,101.44
14. Pulp, Paper and Paper Products	15,484.96	16,171.89	17,138.21	17,295.86	66,090.93	18,106.38	16,495.54	18,354.49	19,758.30	70,712.70
15. Chemical and Pharmaceutical Products	42,409.22	48,416.71	49,755.87	49,548.72	190,128.52	48,277.50	50,384.71	49,434.19	51,831.12	197,727.53
16. Non-Metallic Products	60,480.20	76,227.65	81,067.61	77,819.59	315,595.05	88,691.97	80,878.46	87,443.92	87,076.50	344,090.85
17. Plastic and Rubber products	67,128.85	65,409.54	67,657.80	66,963.91	267,160.10	73,238.12	69,020.20	72,756.24	76,428.02	291,442.58
18. Electrical and Electronics	1,432.01	1,431.06	1,561.34	1,586.10	6,020.50	1,473.25	1,449.49	1,581.45	1,585.30	6,199.49
19. Basic metal, Iron and Steel	49,486.88	50,035.72	52,461.94	55,328.71	207,303.24	51,087.56	52,104.48	54,896.21	61,482.12	219,570.37
20. Motor vehicles & assembly	18,305.98	17,097.75	17,806.89	16,845.71	70,056.34	15,108.02	12,857.94	12,684.66	12,142.93	52,793.55
21. Other Manufacturing	112,716.05	98,479.81	110,497.71	109,412.92	431,106.49	103,724.05	87,846.20	96,586.44	100,581.62	380,718.31
22. ELECTRICITY, GAS, STEAM AND AIR CONDIT	114,085.31	116,412.98	121,706.96	184,467.81	536,673.07	81,605.50	111,451.67	126,536.16	205,083.38	524,676.91
23. WATER SUPPLY, SEWERAGE, WASTE MANAG	23,445.43	30,800.22	28,659.84	23,180.99	105,866.49	28,105.47	40,303.31	38,104.46	32,834.04	137,147.28
24. CONSTRUCTION	879,044.02	956,146.71	785,817.81	871,246.60	3,472,255.13	889,059.58	992,157.05	787,336.72	938,006.83	3,606,560.18
25. TRADE	4,225,946.44	4,312,540.36	4,585,943.23	4,924,485.23	18,028,895.28	4,798,793.53	4,969,298.29	5,287,421.16	5,842,347.03	20,675,860.01
26. ACCOMMODATION AND FOOD SERVICES	267,984.38	156,499.10	222,359.95	246,826.13	893,669.56	270,155.23	156,591.66	228,424.31	269,892.85	925,064.25
<b>TRANSPORTATION AND STORAGE</b>										
27. Road Transport	227,449.02	300,102.84	294,291.44	334,450.02	1,156,293.33	303,508.85	321,487.88	358,720.46	374,965.78	1,358,682.97
28. Rail Transport & Pipelines	31.12	89.18	56.79	105.01	282.10	33.65	96.61	63.66	115.81	309.73
29. Water Transport	1,257.63	2,324.03	2,627.90	1,862.42	8,071.98	1,384.91	2,535.54	2,904.71	2,099.73	8,924.90
30. Air Transport	20,599.27	21,760.23	24,615.14	28,761.34	95,735.98	22,187.70	19,473.23	25,813.97	27,025.69	94,500.59
31. Transport Services	9,858.61	17,673.79	21,943.76	23,476.50	72,952.66	11,265.33	19,339.87	24,380.99	27,249.70	82,245.90
32. Post and Courier Services	6,386.13	7,044.94	6,312.60	7,965.56	27,729.23	7,353.17	7,642.36	6,847.87	7,012.65	28,856.04
<b>INFORMATION AND COMMUNICATION</b>										
33. Telecommunications & Information Serw	1,798,703.84	2,504,952.90	1,841,866.52	2,002,084.72	8,147,807.99	1,935,952.68	2,214,081.36	1,993,611.15	2,385,747.33	8,529,392.52
34. Publishing	6,364.52	6,764.12	5,696.48	6,317.31	25,142.43	7,415.25	7,742.30	6,914.29	7,749.12	29,820.96
34. Motion Pictures, Sound recording and Mu	314,128.41	287,176.42	256,815.65	278,571.14	1,136,691.61	326,908.48	296,731.27	273,585.92	302,753.05	1,199,978.72
36. Broadcasting	390,567.48	376,353.02	302,810.01	402,104.34	1,471,634.85	457,757.56	445,316.72	355,691.56	461,537.56	1,720,303.40
37. ARTS, ENTERTAINMENT AND RECREATION	55,624.41	54,304.16	47,970.57	52,518.12	210,415.26	66,140.35	60,249.17	54,113.27	58,875.40	239,378.20
<b>FINANCIAL AND INSURANCE</b>										
38. Financial Institutions	742,419.94	718,052.14	675,686.13	706,232.19	2,842,390.40	717,338.93	718,080.16	816,822.29	847,631.03	3,099,872.40
39. Insurance	93,937.68	119,827.81	96,833.56	107,406.71	418,105.75	108,250.35	143,257.14	115,327.72	126,619.77	493,454.99
40. REAL ESTATE	1,639,315.37	1,986,894.88	2,124,672.76	2,438,685.25	8,187,548.27	1,649,385.19	2,029,084.56	2,179,118.81	2,462,836.66	8,340,425.20
41. PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERV	852,402.25	946,760.26	1,036,000.80	1,093,134.50	3,927,297.80	939,623.00	1,040,119.54	1,233,523.54	1,294,497.73	4,507,763.61
42. ADMINISTRATIVE & SUPPORT SERVICES	4,911.16	5,547.96	5,863.65	5,928.87	22,251.63	5,416.58	6,135.56	6,882.82	7,079.86	25,524.61
43. PUBLIC ADMINISTRATION	577,331.10	639,275.36	599,808.44	735,933.85	2,552,449.73	614,130.42	691,747.57	679,963.00	797,967.74	2,783,828.73
44. EDUCATION	444,946.86	408,548.07	568,701.41	704,152.11	2,116,348.45	515,975.60	473,766.31	646,096.43	810,113.13	2,445,951.47
45. HUMAN HEALTH AND SOCIAL SERVICES	151,254.30	170,860.35	173,202.04	187,380.35	688,697.04	165,052.26	186,446.84	191,163.52	202,919.55	745,582.17
46. OTHER SERVICES	895,666.52	727,607.98	686,711.98	1,013,216.95	3,295,203.44	1,078,704.78	874,975.70	805,306.68	1,232,104.94	3,989,092.10
<b>GDP Current Basic Price</b>	<b>21,041,701.10</b>	<b>22,859,153.01</b>	<b>24,313,636.94</b>	<b>25,930,469.41</b>	<b>94,144,960.45</b>	<b>22,262,575.97</b>	<b>23,483,954.78</b>	<b>26,558,952.83</b>	<b>29,292,968.54</b>	<b>101,598,482.13</b>
<b>Net Indirect Taxes on Products</b>	<b>200,841.98</b>	<b>221,758.16</b>	<b>314,115.34</b>	<b>296,059.75</b>	<b>1,032,775.23</b>	<b>200,149.01</b>	<b>189,830.58</b>	<b>333,359.75</b>	<b>362,586.50</b>	<b>1,085,925.83</b>
<b>GDP Current Market Price</b>	<b>21,242,543.07</b>	<b>23,080,911.17</b>	<b>24,627,752.28</b>	<b>26,226,529.16</b>	<b>95,177,735.68</b>	<b>22,462,724.98</b>	<b>23,673,785.37</b>	<b>26,892,312.58</b>	<b>29,655,555.04</b>	<b>102,684,407.96</b>

# Appendix

**Table Two: Gross Domestic Product At 2010 Constant Basic Prices (=N=Million)**

ACTIVITY SECTOR	2015					2016				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
<b>AGRICULTURE</b>										
1. Crop Production	2,760,975.00	3,079,446.84	4,423,689.09	4,010,925.81	14,274,936.74	2,844,122.16	3,224,828.52	4,639,609.64	4,185,867.50	14,894,447.82
2. Livestock	281,970.63	265,986.95	274,832.39	328,533.22	1,151,323.39	292,862.48	282,785.95	276,910.05	332,559.97	1,185,118.44
3. Forestry	38,280.21	42,806.15	39,379.63	46,792.41	167,258.41	39,164.90	44,448.45	40,197.38	47,831.92	171,642.65
4. Fishing	96,472.08	89,605.30	78,618.04	96,006.18	359,701.61	98,575.47	83,470.22	78,352.00	96,730.73	356,128.42
<b>MINING AND QUARRYING</b>										
5. Crude Petroleum and Natural Gas	1,677,854.70	1,613,750.30	1,845,393.61	1,492,965.14	6,629,963.75	1,646,220.90	1,331,694.02	1,439,144.88	1,308,108.57	5,725,168.37
6. Coal Mining	2,287.82	2,136.26	897.01	1,950.97	7,272.05	2,364.12	2,193.56	827.39	1,959.58	7,344.65
7. Metal Ores	1,222.59	1,409.89	948.20	580.24	4,160.92	1,919.84	1,469.44	1,013.49	621.03	5,023.79
8. Quarrying and Other Minerals	22,043.40	20,180.26	22,644.53	26,242.65	91,110.83	2,454.04	20,689.72	24,245.62	27,851.92	75,241.30
<b>MANUFACTURING</b>										
9. Oil Refining	34,120.14	28,545.38	81,932.40	56,285.12	200,883.05	26,410.96	42,587.24	81,231.08	55,737.15	205,966.43
10. Cement	144,574.00	146,133.01	149,801.61	156,655.09	596,173.72	138,280.63	139,121.89	140,420.39	147,390.95	564,213.86
11. Food, Beverage and Tobacco	742,145.81	715,464.81	738,517.68	742,934.09	2,937,082.39	659,616.06	675,879.24	694,139.75	723,263.90	2,752,898.95
12. Textile, Apparel and Footwear	355,959.73	335,804.42	358,241.30	373,014.19	1,423,019.65	345,416.24	330,071.83	354,977.89	377,038.36	1,407,504.32
13. Wood and Wood Products	50,628.19	50,722.45	51,441.10	52,420.59	205,212.33	50,453.54	47,707.31	48,201.76	50,566.66	196,929.27
14. Pulp, Paper and Paper Products	12,689.71	13,144.43	13,788.77	14,048.31	53,671.22	12,492.59	12,333.79	13,192.34	13,412.39	51,431.11
15. Chemical and Pharmaceutical Products	34,287.40	38,831.54	39,421.35	38,452.32	150,992.61	36,307.23	39,742.31	38,819.59	37,923.39	152,792.52
16. Non-Metallic Products	58,552.78	55,122.12	58,025.52	55,526.62	227,227.04	61,778.63	56,733.98	59,780.13	56,202.26	234,495.00
17. Plastic and Rubber products	53,920.02	52,013.10	53,400.98	53,293.91	212,628.01	56,510.39	53,631.97	55,097.84	55,027.86	220,268.05
18. Electrical and Electronics	1,230.64	1,219.62	1,322.73	1,381.32	5,134.31	969.10	1,190.88	1,268.82	1,288.19	4,716.98
19. Basic metal, Iron and Steel	40,506.78	40,577.96	42,213.66	44,893.82	168,192.21	40,084.41	41,337.24	42,624.12	45,353.33	169,399.09
20. Motor vehicles & assembly	14,726.64	13,627.60	12,454.42	11,870.26	52,678.91	11,900.31	9,628.57	8,305.61	7,559.88	37,394.36
21. Other Manufacturing	93,725.23	81,131.78	90,312.04	88,574.14	353,743.18	82,267.96	70,481.78	76,835.33	74,637.42	304,222.48
22. ELECTRICITY, GAS, STEAM AND AIR CONDIT	57,823.27	59,228.11	61,738.86	93,641.33	272,431.57	32,114.12	53,030.91	57,617.36	88,807.34	231,569.73
23. WATER SUPPLY, SEWERAGE, WASTE MANAG	21,071.11	27,453.77	25,597.92	20,780.36	94,883.16	23,080.92	29,775.46	27,815.32	22,993.73	103,675.42
24. CONSTRUCTION	697,366.62	740,204.22	579,297.92	663,347.24	2,680,216.00	659,950.18	693,744.65	543,808.12	623,349.23	2,520,852.18
25. TRADE	2,851,774.41	2,834,611.45	2,920,098.66	3,091,103.14	11,697,587.66	2,909,263.86	2,833,632.17	2,879,664.75	3,046,500.61	11,669,061.39
26. ACCOMMODATION AND FOOD SERVICES	197,924.16	114,567.09	180,745.42	180,978.85	654,215.32	183,250.31	107,242.41	152,908.74	176,019.77	619,419.23
<b>TRANSPORTATION AND STORAGE</b>										
27. Road Transport	139,377.23	168,397.48	172,385.07	187,670.81	667,810.60	162,955.48	182,141.86	174,540.74	179,867.15	679,305.23
28. Rail Transport & Pipelines	20.58	57.35	35.89	62.76	176.39	19.91	56.65	35.75	62.95	175.25
29. Water Transport	733.48	1,340.74	1,494.41	1,053.11	4,621.74	761.08	1,351.68	1,509.67	1,064.21	4,686.63
30. Air Transport	14,416.40	12,984.20	16,650.94	19,068.67	63,120.21	14,729.99	12,651.49	16,131.20	16,541.41	60,054.09
31. Transport Services	6,520.23	11,514.78	13,792.08	15,284.43	47,111.52	6,665.68	11,340.04	13,695.53	14,883.01	46,584.26
32. Post and Courier Services	5,334.11	5,781.76	5,116.06	6,383.35	22,615.28	5,780.58	1,856.97	5,059.77	5,094.51	17,791.83
<b>INFORMATION AND COMMUNICATION</b>										
33. Telecommunications & Information Servi	1,344,489.25	1,566,927.44	1,385,850.02	1,646,822.30	5,933,089.01	1,411,743.39	1,580,140.43	1,388,963.43	1,662,816.04	6,053,663.28
34. Publishing	4,512.14	4,731.00	4,011.52	4,448.49	17,703.14	4,706.75	4,843.28	4,108.69	4,469.17	18,127.90
34. Motion Pictures, Sound recording and M	219,227.27	195,484.70	170,998.38	179,930.28	765,640.63	208,001.25	183,742.81	164,694.28	177,894.53	734,432.87
36. Broadcasting	272,573.38	260,010.55	201,490.14	257,606.99	991,681.06	291,256.28	275,750.33	214,120.54	271,347.09	1,052,474.24
37. ARTS, ENTERTAINMENT AND RECREATION	38,819.76	36,648.33	31,940.77	33,920.39	141,329.25	42,082.96	37,307.67	32,575.31	34,614.02	146,679.96
<b>FINANCIAL AND INSURANCE</b>										
38. Financial Institutions	501,003.55	471,972.12	434,185.84	444,666.76	1,851,828.28	435,067.34	409,469.28	446,551.41	457,665.65	1,748,753.70
39. Insurance	63,391.49	78,762.22	62,288.06	67,626.76	272,068.54	65,654.03	81,689.21	63,048.91	68,366.44	278,758.60
40. REAL ESTATE	1,084,792.63	1,286,487.69	1,360,104.16	1,531,311.21	5,264,695.89	1,033,868.15	1,220,527.28	1,259,867.76	1,389,340.45	4,903,604.64
41. PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERV	575,222.37	586,851.81	665,078.10	688,923.69	2,518,073.97	569,883.03	593,105.10	674,359.27	698,944.63	2,536,292.03
42. ADMINISTRATIVE & SUPPORT SERVICES	3,314.17	3,646.64	3,767.89	3,745.27	14,473.98	3,285.16	3,498.66	3,768.26	3,822.66	14,374.75
43. PUBLIC ADMINISTRATION	369,597.47	420,182.52	385,492.67	449,499.92	1,644,782.79	372,471.20	394,453.72	371,731.33	430,861.50	1,569,517.75
44. EDUCATION	328,605.92	294,867.70	393,442.80	481,890.66	1,498,707.07	341,069.10	303,373.68	393,011.56	481,478.75	1,518,933.09
45. HUMAN HEALTH AND SOCIAL SERVICES	111,298.27	122,704.93	122,098.45	128,234.85	484,336.50	111,906.83	119,462.76	119,281.89	125,038.53	475,690.00
46. OTHER SERVICES	604,418.18	478,253.13	423,278.51	645,434.23	2,151,384.05	653,023.38	498,935.49	440,255.90	665,256.58	2,257,471.35
<b>GDP at 2010 constant price</b>	<b>16,050,601.38</b>	<b>16,463,341.91</b>	<b>17,976,234.59</b>	<b>18,533,752.07</b>	<b>69,023,929.94</b>	<b>15,992,773.94</b>	<b>16,124,151.89</b>	<b>17,574,318.58</b>	<b>18,292,952.88</b>	<b>67,984,197.29</b>
<b>Net Indirect Taxes on Products</b>	<b>153,202.18</b>	<b>159,711.97</b>	<b>232,240.49</b>	<b>211,608.13</b>	<b>756,762.77</b>	<b>143,781.11</b>	<b>130,338.23</b>	<b>220,587.40</b>	<b>226,428.77</b>	<b>721,135.51</b>
<b>GDP Constant Market Price</b>	<b>16,203,803.56</b>	<b>16,623,053.88</b>	<b>18,208,475.09</b>	<b>18,745,360.19</b>	<b>69,780,692.72</b>	<b>16,136,555.04</b>	<b>16,254,490.12</b>	<b>17,794,905.98</b>	<b>18,519,381.66</b>	<b>68,705,332.80</b>

# Appendix

**Table Three: Quarterly Contribution to Gross Domestic Product (%), at 2010 Constant Basic Prices**

	2015					2016				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
<b>CONTRIBUTION TO GDP</b>										
AGRICULTURE	19.79	21.12	26.79	24.18	23.11	20.48	22.55	28.65	25.49	24.43
INDUSTRIES	25.65	24.52	23.51	21.52	23.71	24.33	22.65	21.11	20.33	22.02
SERVICES	54.56	54.36	49.70	54.30	53.18	55.20	54.80	50.24	54.18	53.55
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

**Table Four: Quarterly Real Growth Rate by Sector (%) Year-on-Year**

	2015					2016				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
<b>GROWTH</b>										
AGRICULTURE	4.70	3.49	3.46	3.48	3.72	3.09	-4.53	4.54	4.03	4.11
INDUSTRIES	-2.53	-3.31	-0.13	-3.04	-2.24	-5.49	-9.53	-12.21	-6.74	-8.53
SERVICES	7.04	4.67	3.97	3.69	4.78	0.80	-1.25	-1.17	-1.52	-0.82
REAL GROWTH RATE AT BASIC PRICE	3.96	2.35	2.84	2.11	2.79	-0.36	-2.06	-2.24	-1.30	-1.51
REAL GROWTH RATE AT MARKET PRICE	3.86	2.30	2.83	1.77	2.65	-0.42	-2.22	-2.27	-1.21	-1.54
NON OIL GROWTH RATE	5.59	3.46	3.05	3.14	3.75	-0.18	-0.38	0.03	-0.33	-0.22
OIL GROWTH RATE	-8.15	-6.79	1.06	-8.28	-5.45	-1.89	-17.48	-22.01	-12.38	-13.65

**Table Eight: Annual Real Contribution & Growth Rate by Sector (%) Year-on-Year**

<b>CONTRIBUTION TO GDP</b>	2012	2013	2014	2015	2016
AGRICULTURE	23.91	23.33	22.91	23.11	24.43
INDUSTRIES	25.61	24.81	24.93	23.71	22.02
SERVICES	50.48	51.86	52.16	53.18	53.55
	100	100	100	100	100
<b>GROWTH</b>	2012	2013	2014	2015	2016
AGRICULTURE	6.70	2.94	4.27	3.72	4.11
INDUSTRIES	2.43	2.16	6.76	-2.24	-8.53
SERVICES	3.97	8.38	6.85	4.78	-0.82
REAL GROWTH RATE AT BASIC PRICE	4.21	5.49	6.22	2.79	-1.51
REAL GROWTH RATE AT MARKET PRICE	4.28	5.39	6.31	2.65	-1.54
NON OIL GROWTH RATE	5.81	8.42	7.18	3.75	-0.22
OIL GROWTH RATE	-4.95	-13.07	-1.32	-5.45	-13.65

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# Appendix

**Table Five: GDP Growth Rate at Constant 2010 prices (Real GDP Growth)%**

ACTIVITY SECTOR	2015				Full Year 2015	2016				Full Year 2016
	Q1	Q2	Q3	Q4		Q1	Q2	Q3	Q4	
AGRICULTURE	4.70	3.49	3.46	3.48	3.72	3.09	4.53	4.64	4.03	4.11
1. Crop Production	4.46	3.20	3.31	3.25	3.49	3.02	4.72	4.88	4.36	4.34
2. Livestock	6.44	6.20	5.50	5.64	5.93	3.86	6.32	0.76	1.23	2.94
3. Forestry	4.33	4.01	2.24	4.06	3.67	2.31	3.84	2.08	2.22	2.62
4. Fishing	6.97	5.53	5.59	5.41	5.89	3.25	-6.85	-0.34	0.76	-0.72
MINING AND QUARRYING	-7.91	-6.62	1.13	-8.06	-5.27	-2.96	-17.19	-21.64	-12.04	-13.66
5. Crude Petroleum and Natural Gas	-8.15	-6.79	1.06	-8.28	-5.45	-1.89	-17.48	-22.01	-12.38	-13.65
6. Coal Mining	14.40	9.39	8.92	7.69	10.39	3.34	2.68	-7.76	0.44	1.00
7. Metal Ores	8.30	6.81	6.85	6.93	7.27	57.03	4.22	6.89	7.03	20.74
8. Quarrying and Other Minerals	11.13	6.88	6.96	5.56	7.51	-88.87	2.52	7.07	6.13	-17.42
MANUFACTURING	-0.70	-3.82	-1.75	0.38	-1.46	-7.00	-3.36	-4.38	-2.54	-4.32
9. Oil Refining	-53.85	-64.54	-11.47	-12.59	-35.48	-22.59	49.19	-0.88	-0.97	2.63
10. Cement	23.21	22.75	21.22	21.32	22.10	-4.35	-5.48	-6.26	-5.32	-5.36
11. Food, Beverage and Tobacco	-0.82	-5.90	-8.87	-5.63	-5.38	-11.12	-5.53	-5.75	-2.65	-6.27
12. Textile, Apparel and Footwear	-5.23	-3.17	1.48	2.78	-1.07	-2.96	-1.71	-0.91	1.08	-1.09
13. Wood and Wood Products	8.08	5.62	5.70	5.84	6.29	-0.34	-5.94	-6.30	-3.54	-4.04
14. Pulp, Paper and Paper Products	6.81	6.77	6.82	6.87	6.82	-1.55	-6.17	-4.33	-4.53	-4.17
15. Chemical and Pharmaceutical Products	25.57	16.24	15.13	17.16	18.17	5.89	2.35	-1.53	-1.38	1.19
16. Non-Metallic Products	17.87	13.08	13.22	12.66	14.21	5.51	2.92	3.02	1.22	3.20
17. Plastic and Rubber products	22.73	16.99	16.26	15.73	17.88	4.80	3.11	3.18	3.25	3.59
18. Electrical and Electronics	2.33	-0.38	0.55	2.75	1.32	-21.25	-2.36	-4.08	-5.37	-8.13
19. Basic metal, Iron and Steel	4.47	2.67	2.86	2.56	3.11	-1.04	1.87	0.97	1.02	0.72
20. Motor vehicles & assembly	2.16	-0.48	-11.20	-12.98	-5.55	-19.19	-29.35	-33.31	-36.31	-29.01
21. Other Manufacturing	-5.67	-6.40	-2.13	-1.06	-3.83	-12.22	-13.13	-14.92	-15.73	-14.00
22. ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	-27.92	-11.61	2.14	1.20	-9.25	-44.46	-10.46	-6.68	-5.16	-15.00
23. WATER SUPPLY, SEWERAGE, WASTE MANAGEMENT AND REMEDIATION	18.72	13.57	13.99	16.27	15.38	9.59	8.46	8.66	10.76	9.27
24. CONSTRUCTION	11.17	6.42	-0.11	-0.35	4.35	-5.37	-6.28	-6.13	-6.03	-5.95
25. TRADE	6.47	5.07	4.40	4.69	5.14	2.02	-0.03	-1.38	-1.44	-0.24
26. ACCOMMODATION AND FOOD SERVICES	26.66	-8.97	-5.42	-3.55	2.27	-7.41	-6.39	-4.88	-2.74	-5.32
TRANSPORTATION AND STORAGE	3.87	4.84	4.85	4.39	4.61	14.73	-5.34	0.72	-5.32	0.39
27. Road Transport	3.23	4.94	4.98	4.47	4.46	16.92	-3.71	1.26	-4.26	1.72
28. Rail Transport & Pipelines	5.13	1.94	2.75	2.52	2.67	-3.27	-1.23	0.15	0.30	-0.65
29. Water Transport	9.77	8.08	8.30	8.21	8.45	3.76	0.82	1.02	1.05	1.40
30. Air Transport	6.25	3.20	3.14	2.67	3.70	2.18	-2.56	-3.12	-13.25	-4.86
31. Transport Services	7.57	4.98	5.07	5.14	5.41	2.23	-1.52	-0.70	-2.63	-1.12
32. Post and Courier Services	9.44	4.83	4.58	4.64	5.72	8.37	-67.88	-1.10	-20.19	-21.33
INFORMATION AND COMMUNICATION	9.49	6.26	5.27	4.21	6.22	4.07	1.35	1.11	1.38	1.95
33. Telecommunications & Information Services	5.36	4.66	4.69	3.49	4.49	5.00	1.49	0.95	1.03	2.03
34. Publishing,	12.96	9.76	9.94	8.56	10.29	4.31	2.37	2.42	0.46	2.40
34. Motion Pictures, Sound recording and Music production	19.09	-1.59	-0.28	-0.90	4.06	-5.12	-6.01	-3.69	-1.08	-4.08
36. Broadcasting	25.61	25.17	14.98	13.28	19.86	6.85	6.05	6.27	5.33	6.13
37. ARTS, ENTERTAINMENT AND RECREATION	18.19	6.30	6.39	6.54	9.40	8.41	1.80	1.99	2.04	3.72
FINANCIAL AND INSURANCE	9.01	6.41	6.57	6.41	7.12	-11.28	-10.82	2.64	2.68	-4.54
38. Financial Institutions	9.52	6.64	6.77	6.62	7.43	-13.16	-13.24	2.85	2.92	-5.57
39. Insurance	5.11	5.04	5.15	5.07	5.09	3.57	3.72	1.22	1.08	2.46
40. REAL ESTATE	3.08	2.97	2.06	0.79	2.11	-4.69	-5.27	-7.37	-9.27	-6.86
41. PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES	6.92	6.02	5.38	3.16	5.26	-0.93	1.07	1.40	1.45	0.80
42. ADMINISTRATIVE & SUPPORT SERVICES	5.42	3.02	2.83	3.04	3.52	-0.88	-4.06	0.01	2.07	-0.69
43. PUBLIC ADMINISTRATION	-12.53	-10.64	-12.78	-13.11	-12.28	-4.40	-6.13	-3.57	-4.15	-4.58
44. EDUCATION	6.94	7.27	8.04	8.13	7.67	3.82	2.88	-0.11	-0.09	1.35
45. HUMAN HEALTH AND SOCIAL SERVICES	2.11	2.39	2.50	2.86	2.48	0.55	-2.64	-2.31	-2.49	-1.79
46. OTHER SERVICES	21.06	16.36	16.41	17.02	17.86	8.04	4.32	4.01	3.07	4.93
<b>GDP at 2010 constant price (Real GDP Growth %)</b>	<b>3.96</b>	<b>2.35</b>	<b>2.84</b>	<b>2.11</b>	<b>2.79</b>	<b>-0.36</b>	<b>-2.06</b>	<b>-2.24</b>	<b>-1.30</b>	<b>-1.51</b>

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# Appendix

**Table Six: GDP Growth Rate at Current prices (Nominal GDP Growth)%**

ACTIVITY SECTOR	2015				Full Year 2015	2016				Full Year 2016
	Q1	Q2	Q3	Q4		Q1	Q2	Q3	Q4	
AGRICULTURE	7.44	9.17	9.33	9.50	8.98	14.15	13.24	7.37	6.45	9.61
1. Crop Production	6.47	8.94	9.28	9.37	8.71	14.09	14.40	7.76	6.34	9.85
2. Livestock	12.25	11.01	10.40	10.89	11.12	10.45	9.20	3.47	6.37	7.31
3. Forestry	11.55	7.71	4.69	5.69	7.26	3.69	5.69	4.51	9.54	6.03
4. Fishing	15.47	10.60	10.43	11.23	11.97	32.41	-3.91	3.98	9.71	10.97
MINING AND QUARRYING	-46.20	-33.30	-33.43	-35.12	-37.22	-34.98	-47.80	5.65	64.68	-8.55
5. Crude Petroleum and Natural Gas	-46.74	-33.68	-33.87	-35.71	-37.71	-34.24	-48.69	5.48	55.45	-8.58
6. Coal Mining	18.24	18.12	10.61	11.06	15.24	7.06	1.06	1.06	14.16	6.40
7. Metal Ores	11.92	8.39	8.51	7.97	9.37	62.69	9.14	17.11	24.24	28.72
8. Quarrying and Other Minerals	12.56	8.51	8.53	6.37	8.83	-88.69	6.61	16.46	22.30	-9.43
MANUFACTURING	1.25	0.07	4.80	6.93	3.32	-2.98	-1.02	-2.93	3.56	-0.79
9. Oil Refining	-54.86	-64.87	-11.61	-11.36	-35.72	-18.36	59.67	6.46	12.37	11.52
10. Cement	25.30	25.25	23.19	22.58	24.03	-16.92	-16.43	-14.50	-6.16	-13.38
11. Food, Beverage and Tobacco	-0.01	-2.54	1.97	5.00	1.17	-4.66	-2.06	-8.95	-1.83	-4.42
12. Textile, Apparel and Footwear	-1.88	3.98	4.07	6.25	3.08	2.25	1.82	11.31	17.13	8.30
13. Wood and Wood Products	10.35	8.80	8.10	7.58	8.88	4.58	3.66	3.66	12.36	6.11
14. Pulp, Paper and Paper Products	10.15	11.01	11.02	9.01	10.28	4.01	2.00	7.10	14.23	6.99
15. Chemical and Pharmaceutical Products	30.64	20.10	19.52	23.21	22.97	9.12	4.06	-0.65	4.21	4.00
16. Non-Metallic Products	26.42	20.75	21.62	18.20	21.72	10.20	6.10	7.87	11.90	9.03
17. Plastic and Rubber products	26.30	19.23	19.09	17.21	20.37	9.10	5.52	7.54	14.13	9.09
18. Electrical and Electronics	6.10	3.13	4.36	4.88	4.61	2.88	1.29	1.29	6.22	2.97
19. Basic metal, Iron and Steel	7.79	5.66	6.14	4.23	5.89	3.23	4.13	4.66	11.12	5.92
20. Motor vehicles & assembly	6.41	4.62	5.34	0.91	4.34	-17.47	-24.80	-28.77	-27.92	-24.64
21. Other Manufacturing	-3.21	-3.54	1.15	2.54	-0.78	-7.98	-10.80	-10.80	-8.07	-9.37
22. ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	-8.89	4.22	3.46	2.43	0.89	-28.47	-4.26	3.97	11.18	-2.24
23. WATER SUPPLY, SEWERAGE, WASTE MANAGEMENT AND REMEDIATION	24.99	14.52	15.46	17.35	17.58	11.35	31.71	32.95	40.90	29.55
24. CONSTRUCTION	14.81	11.24	5.34	4.14	8.89	1.14	3.77	2.81	7.66	3.87
25. TRADE	15.35	14.47	14.68	14.75	14.80	13.51	15.23	15.36	14.58	14.68
26. ACCOMMODATION AND FOOD SERVICES	37.37	-2.27	0.98	1.01	9.01	0.81	0.06	2.73	9.35	3.51
TRANSPORTATION AND STORAGE	11.48	11.69	13.89	16.81	13.87	30.18	6.18	19.69	10.55	15.61
27. Road Transport	11.08	11.77	14.27	16.80	13.68	33.44	7.13	21.89	12.11	17.60
28. Rail Transport & Pipelines	12.59	10.38	12.04	12.45	11.72	8.12	8.33	12.11	10.29	9.80
29. Water Transport	14.98	12.31	12.65	12.68	12.91	10.12	9.10	10.53	12.74	10.57
30. Air Transport	13.14	10.59	10.01	19.10	13.42	7.71	-10.51	4.87	-6.03	-1.29
31. Transport Services	15.20	12.21	14.58	18.89	14.80	14.27	9.43	11.15	16.07	12.74
32. Post and Courier Services	14.58	9.99	10.30	10.56	11.25	15.14	8.48	8.48	-12.18	4.06
INFORMATION AND COMMUNICATION	17.16	11.64	10.41	11.01	12.44	8.70	-6.66	9.26	17.43	6.48
33. Telecommunications & Information Services	12.14	9.42	8.43	9.24	9.74	7.63	-11.61	8.24	19.16	4.69
34. Publishing	28.41	21.15	15.63	18.28	18.85	18.51	14.46	21.38	22.88	18.61
34. Motion Pictures, Sound recording and Music production	28.40	6.97	8.97	7.41	12.76	4.07	3.33	6.63	8.68	5.67
36. Broadcasting	35.43	34.05	25.64	23.79	29.68	17.20	18.32	17.54	14.78	16.90
37. ARTS, ENTERTAINMENT AND RECREATION	27.42	16.53	16.25	15.48	18.88	18.91	10.95	12.81	12.11	13.76
FINANCIAL AND INSURANCE	18.09	15.92	16.49	16.71	16.81	-1.29	2.80	20.65	19.74	10.21
38. Financial Institutions	18.65	16.17	16.72	16.94	17.13	-3.38	0.00	20.89	20.02	9.06
39. Insurance	13.87	14.44	14.95	15.24	14.63	15.24	19.55	18.98	17.89	18.02
40. REAL ESTATE	10.47	10.69	9.18	8.27	9.52	0.61	2.12	2.56	1.89	4.87
41. PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES	15.83	15.06	15.20	15.75	15.46	10.23	9.86	19.18	18.42	14.78
42. ADMINISTRATIVE & SUPPORT SERVICES	14.21	12.24	12.41	12.64	12.82	10.29	10.59	17.55	19.41	14.71
43. PUBLIC ADMINISTRATION	-5.23	-2.65	-4.66	-1.76	-3.47	8.37	8.21	13.34	8.43	9.06
44. EDUCATION	14.92	16.33	18.33	18.58	17.29	15.96	15.96	15.64	15.05	15.57
45. HUMAN HEALTH AND SOCIAL SERVICES	9.80	11.04	11.36	11.62	11.00	9.12	9.12	10.37	8.29	9.21
46. OTHER SERVICES	31.16	26.76	27.25	26.86	28.06	20.21	20.25	22.25	21.60	21.06
<b>GDP Current Basic Price (Nominal GDP Growth %)</b>	<b>4.32</b>	<b>5.17</b>	<b>6.02</b>	<b>7.12</b>	<b>5.73</b>	<b>5.80</b>	<b>2.73</b>	<b>9.23</b>	<b>12.97</b>	<b>7.92</b>

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# Appendix

**Table Seven: Gross Domestic Product At Current Basic Prices Percentage Distribution**

ACTIVITY SECTOR	2015					2016				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
<b>AGRICULTURE</b>										
1. Crop Production	14.93	15.36	22.14	19.88	18.26	16.10	17.11	21.84	18.71	18.59
2. Livestock	2.00	1.75	1.72	1.96	1.86	2.09	1.86	1.63	1.94	1.85
3. Forestry	0.25	0.25	0.22	0.24	0.24	0.24	0.25	0.21	0.23	0.23
4. Fishing	0.59	0.52	0.43	0.49	0.51	0.74	0.49	0.41	0.47	0.52
<b>MINING AND QUARRYING</b>										
5. Crude Petroleum and Natural Gas	6.61	7.64	6.33	5.06	6.36	4.11	3.82	6.11	6.97	5.39
6. Coal Mining	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01
7. Metal Ores	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
8. Quarrying and Other Minerals	0.11	0.09	0.10	0.11	0.10	0.01	0.10	0.11	0.12	0.09
<b>MANUFACTURING</b>										
9. Oil Refining	0.20	0.15	0.42	0.27	0.26	0.15	0.24	0.41	0.27	0.27
10. Cement	0.86	0.81	0.78	0.76	0.80	0.67	0.66	0.61	0.63	0.64
11. Food, Beverage and Tobacco	4.80	4.42	4.65	4.40	4.56	4.33	4.21	3.87	3.82	4.04
12. Textile, Apparel and Footwear	2.17	2.00	1.92	1.89	1.99	2.10	1.98	1.96	1.96	2.00
13. Wood and Wood Products	0.30	0.28	0.27	0.26	0.28	0.30	0.28	0.25	0.25	0.27
14. Pulp, Paper and Paper Products	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
15. Chemical and Pharmaceutical Products	0.20	0.21	0.20	0.19	0.20	0.21	0.21	0.19	0.18	0.19
16. Non-Metallic Products	0.38	0.33	0.33	0.30	0.34	0.40	0.34	0.33	0.30	0.34
17. Plastic and Rubber products	0.32	0.29	0.28	0.26	0.28	0.33	0.29	0.27	0.26	0.29
18. Electrical and Electronics	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
19. Basic metal, Iron and Steel	0.24	0.22	0.22	0.21	0.22	0.23	0.22	0.21	0.21	0.22
20. Motor vehicles & assembly	0.09	0.07	0.07	0.06	0.07	0.07	0.05	0.05	0.04	0.06
21. Other Manufacturing	0.54	0.43	0.45	0.42	0.46	0.47	0.37	0.37	0.34	0.38
22. ELECTRICITY, GAS, STEAM AND AIR CONDIT	0.54	0.51	0.50	0.71	0.57	0.37	0.47	0.48	0.70	0.52
23. WATER SUPPLY, SEWERAGE, WASTE MANAG	0.11	0.13	0.12	0.09	0.11	0.12	0.17	0.14	0.11	0.13
24. CONSTRUCTION	4.18	4.18	3.15	3.36	3.69	3.99	4.22	2.96	3.20	3.55
25. TRADE	20.08	18.87	18.78	18.99	19.15	21.55	21.16	19.83	19.26	20.35
26. ACCOMMODATION AND FOOD SERVICES	1.27	0.88	0.91	0.95	0.95	1.21	0.87	0.88	0.92	0.91
<b>TRANSPORTATION AND STORAGE</b>										
27. Road Transport	1.08	1.31	1.21	1.29	1.23	1.36	1.37	1.35	1.28	1.34
28. Rail Transport & Pipelines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. Water Transport	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
30. Air Transport	0.10	0.10	0.10	0.11	0.10	0.10	0.08	0.10	0.09	0.09
31. Transport Services	0.05	0.08	0.09	0.09	0.08	0.05	0.08	0.09	0.09	0.08
32. Post and Courier Services	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03
<b>INFORMATION AND COMMUNICATION</b>										
33. Telecommunications & Information Servi	8.55	10.96	7.58	7.72	8.65	8.70	9.43	7.51	8.14	8.40
34. Publishing,	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
34. Motion Pictures, Sound recording and Mu	1.49	1.26	1.06	1.07	1.21	1.47	1.26	1.03	1.03	1.18
36. Broadcasting	1.86	1.65	1.24	1.55	1.56	2.06	1.90	1.34	1.58	1.69
37. ARTS, ENTERTAINMENT AND RECREATION	0.26	0.24	0.20	0.20	0.22	0.30	0.26	0.20	0.20	0.24
<b>FINANCIAL AND INSURANCE</b>										
38. Financial Institutions	3.53	3.14	2.78	2.72	3.02	3.22	3.06	3.08	2.89	3.05
39. Insurance	0.45	0.52	0.40	0.41	0.44	0.49	0.61	0.43	0.43	0.49
40. REAL ESTATE	7.79	8.69	8.74	9.40	8.70	7.41	8.64	8.20	8.48	8.21
41. PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERV	4.05	4.14	4.26	4.22	4.17	4.22	4.43	4.64	4.42	4.44
42. ADMINISTRATIVE & SUPPORT SERVICES	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03
43. PUBLIC ADMINISTRATION	2.74	2.80	2.47	2.84	2.71	2.76	2.95	2.56	2.72	2.74
44. EDUCATION	2.11	1.79	2.30	2.72	2.25	2.32	2.02	2.43	2.77	2.41
45. HUMAN HEALTH AND SOCIAL SERVICES	0.72	0.75	0.71	0.72	0.73	0.74	0.79	0.72	0.69	0.73
46. OTHER SERVICES	4.26	3.18	2.71	3.91	3.50	4.84	3.73	3.03	4.21	3.93
<b>GDP at 2010 constant price</b>										
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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# Appendix

**Table Eight: Gross Domestic Product At 2010 Basic Prices Percentage Distribution**

ACTIVITY SECTOR	2015					2016				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
<b>AGRICULTURE</b>										
1. Crop Production	17.20	18.70	24.61	21.84	20.68	17.78	20.00	26.40	22.88	21.91
2. Livestock	1.76	1.62	1.53	1.77	1.67	1.83	1.75	1.58	1.82	1.74
3. Forestry	0.24	0.26	0.22	0.25	0.24	0.24	0.28	0.23	0.26	0.25
4. Fishing	0.59	0.54	0.44	0.51	0.52	0.62	0.52	0.45	0.52	0.52
<b>MINING AND QUARRYING</b>										
5. Crude Petroleum and Natural Gas	10.46	9.80	10.27	8.06	9.61	10.29	8.28	8.19	7.15	8.42
6. Coal Mining	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01
7. Metal Ores	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.01
8. Quarrying and Other Minerals	0.14	0.12	0.13	0.14	0.13	0.02	0.13	0.14	0.15	0.11
<b>MANUFACTURING</b>										
9. Oil Refining	0.21	0.17	0.46	0.30	0.29	0.17	0.26	0.46	0.30	0.30
10. Cement	0.90	0.89	0.83	0.84	0.86	0.86	0.86	0.80	0.81	0.83
11. Food, Beverage and Tobacco	4.62	4.35	4.10	4.01	4.26	4.12	4.19	3.95	3.95	4.05
12. Textile, Apparel and Footwear	2.22	2.04	1.99	2.01	2.06	2.16	2.05	2.02	2.05	2.07
13. Wood and Wood Products	0.32	0.31	0.29	0.28	0.30	0.32	0.30	0.27	0.28	0.29
14. Pulp, Paper and Paper Products	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08
15. Chemical and Pharmaceutical Products	0.21	0.24	0.22	0.21	0.22	0.23	0.25	0.22	0.21	0.22
16. Non-Metallic Products	0.36	0.33	0.32	0.30	0.33	0.39	0.35	0.34	0.31	0.34
17. Plastic and Rubber products	0.34	0.32	0.30	0.29	0.31	0.35	0.33	0.31	0.30	0.32
18. Electrical and Electronics	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
19. Basic metal, Iron and Steel	0.25	0.25	0.23	0.24	0.24	0.25	0.26	0.24	0.25	0.25
20. Motor vehicles & assembly	0.09	0.09	0.07	0.06	0.08	0.07	0.06	0.05	0.04	0.06
21. Other Manufacturing	0.58	0.49	0.60	0.48	0.51	0.51	0.44	0.44	0.41	0.45
22. ELECTRICITY, GAS, STEAM AND AIR CONDITI	0.36	0.36	0.34	0.51	0.39	0.20	0.33	0.33	0.49	0.34
23. WATER SUPPLY, SEWERAGE, WASTE MANAG	0.13	0.17	0.14	0.11	0.14	0.14	0.18	0.16	0.13	0.15
24. CONSTRUCTION	4.34	4.50	3.22	3.58	3.88	4.13	4.30	3.09	3.41	3.71
25. TRADE	17.77	17.22	16.24	16.68	16.95	18.19	17.57	16.39	16.65	17.16
26. ACCOMMODATION AND FOOD SERVICES	1.23	0.70	0.89	0.98	0.95	1.15	0.67	0.87	0.96	0.91
<b>TRANSPORTATION AND STORAGE</b>										
27. Road Transport	0.87	1.02	0.96	1.01	0.97	1.02	1.01	0.99	0.98	1.00
28. Rail Transport & Pipelines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. Water Transport	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01
30. Air Transport	0.09	0.08	0.09	0.10	0.09	0.09	0.08	0.09	0.09	0.09
31. Transport Services	0.04	0.07	0.08	0.08	0.07	0.04	0.07	0.08	0.08	0.07
32. Post and Courier Services	0.03	0.04	0.03	0.03	0.03	0.04	0.01	0.03	0.03	0.03
<b>INFORMATION AND COMMUNICATION</b>										
33. Telecommunications & Information Servi	8.38	9.48	7.71	8.88	8.60	8.83	9.80	7.96	9.09	8.90
34. Publishing	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.03
34. Motion Pictures, Sound recording and M	1.37	1.19	0.95	0.97	1.11	1.30	1.14	0.94	0.97	1.08
36. Broadcasting	1.70	1.58	1.12	1.39	1.44	1.82	1.71	1.22	1.48	1.55
37. ARTS, ENTERTAINMENT AND RECREATION	0.24	0.22	0.18	0.18	0.20	0.26	0.23	0.19	0.19	0.22
<b>FINANCIAL AND INSURANCE</b>										
38. Financial Institutions	3.12	2.87	2.42	2.40	2.68	2.72	2.54	2.54	2.50	2.57
39. Insurance	0.39	0.48	0.35	0.38	0.39	0.41	0.51	0.36	0.37	0.41
40. REAL ESTATE	6.76	7.83	7.57	8.26	7.63	8.46	7.57	7.17	7.59	7.21
41. PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVI	3.58	3.56	3.70	3.72	3.65	3.58	3.68	3.84	3.82	3.73
42. ADMINISTRATIVE & SUPPORT SERVICES	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
43. PUBLIC ADMINISTRATION	2.43	2.55	2.14	2.43	2.38	2.33	2.45	2.12	2.36	2.31
44. EDUCATION	2.05	1.79	2.19	2.60	2.17	2.13	1.88	2.24	2.63	2.23
45. HUMAN HEALTH AND SOCIAL SERVICES	0.69	0.75	0.68	0.69	0.70	0.70	0.74	0.68	0.68	0.70
46. OTHER SERVICES	3.77	2.90	2.35	3.48	3.12	4.06	3.09	2.51	3.64	3.32
<b>GDP at 2010 constant price</b>	<b>100.00</b>									

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# Appendix

**Table Night: Implicit Price Deflators**

ACTIVITY SECTOR	2015					2016				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
<b>AGRICULTURE</b>										
1. Crop Production	113.78	114.02	121.69	128.50	120.42	126.01	124.57	125.03	130.94	126.78
2. Livestock	149.30	150.73	152.40	154.40	151.83	158.77	154.83	156.51	162.25	158.28
3. Forestry	134.76	132.16	132.85	133.26	133.22	136.57	134.52	136.02	142.79	137.64
4. Fishing	130.88	133.75	133.78	132.80	132.74	167.85	137.96	139.57	144.60	148.37
<b>MINING AND QUARRYING</b>										
5. Crude Petroleum and Natural Gas	62.91	108.22	83.43	87.96	90.35	55.57	67.29	112.85	156.06	95.65
6. Coal Mining	106.61	114.23	107.80	109.55	109.78	110.45	112.43	118.11	124.50	115.65
7. Metal Ores	106.61	107.36	107.80	107.26	107.22	110.45	112.43	118.11	124.50	114.31
8. Quarrying and Other Minerals	106.42	106.67	106.78	106.62	106.62	108.16	110.92	116.15	122.86	116.94
<b>MANUFACTURING</b>										
9. Oil Refining	121.64	123.46	124.43	123.17	123.46	128.30	132.12	133.81	139.77	134.29
10. Cement	125.05	126.10	126.21	125.79	125.79	108.62	111.50	115.12	124.67	115.13
11. Food, Beverage and Tobacco	136.15	141.26	153.34	153.58	146.12	146.05	146.45	148.15	154.87	148.99
12. Textile, Apparel and Footwear	128.45	136.02	130.29	131.59	131.52	135.34	140.91	146.38	152.48	144.01
13. Wood and Wood Products	125.37	126.77	126.87	126.33	126.34	131.57	139.72	140.35	147.15	139.70
14. Pulp, Paper and Paper Products	122.03	123.03	124.29	123.12	123.14	128.93	133.74	139.13	147.30	137.49
15. Chemical and Pharmaceutical Products	123.69	124.69	125.22	126.85	125.92	127.46	126.78	127.34	136.15	129.41
16. Non-Metallic Products	137.45	138.29	139.71	140.15	138.89	143.56	142.56	146.28	154.93	146.74
17. Plastic and Rubber products	124.50	125.76	126.70	125.65	125.65	129.80	128.69	132.05	138.89	132.31
18. Electrical and Electronics	116.36	117.34	118.04	117.25	117.26	152.02	121.72	124.64	131.60	131.43
19. Basic metal, Iron and Steel	122.17	123.31	124.25	123.24	123.25	127.45	126.05	128.79	135.56	129.62
20. Motor vehicles & assembly	124.31	125.46	142.98	141.92	132.99	126.95	133.54	152.72	160.62	141.18
21. Other Manufacturing	120.26	121.38	122.35	123.53	121.87	126.08	124.64	128.28	134.76	128.43
22. ELECTRICITY, GAS, STEAM AND AIR CONDIT	197.30	196.55	197.13	196.99	196.99	254.11	210.16	219.61	230.93	226.57
23. WATER SUPPLY, SEWERAGE, WASTE MANAG	111.27	111.46	111.96	111.56	111.58	113.06	135.36	136.99	141.93	132.29
24. CONSTRUCTION	126.05	129.17	132.20	131.34	129.55	134.72	143.01	144.78	150.48	143.07
25. TRADE	148.19	152.14	156.36	159.31	154.12	164.88	175.37	182.92	190.79	177.19
26. ACCOMMODATION AND FOOD SERVICES	135.40	136.80	138.33	136.36	136.60	147.42	146.02	149.39	152.84	149.34
<b>TRANSPORTATION AND STORAGE</b>										
27. Road Transport	163.19	178.21	170.74	178.21	173.15	186.25	198.28	205.52	213.03	200.01
28. Rail Transport & Pipelines	151.20	155.49	159.10	167.31	159.93	169.00	170.55	178.09	185.98	176.73
29. Water Transport	171.46	173.34	175.85	176.85	174.65	181.97	187.58	192.41	197.35	190.43
30. Air Transport	142.89	167.59	147.83	150.83	151.67	150.63	153.92	160.03	166.37	157.36
31. Transport Services	151.20	153.49	159.10	153.60	154.85	169.00	170.55	178.09	185.98	176.55
32. Post and Courier Services	119.72	121.85	123.39	125.10	122.61	127.20	411.55	135.34	144.51	162.19
<b>INFORMATION AND COMMUNICATION</b>										
33. Telecommunications & Information Servi	133.78	160.89	132.91	121.65	137.32	137.13	140.12	142.51	144.93	140.90
34. Publishing,	141.05	142.97	142.00	142.01	142.02	157.54	159.86	168.28	177.16	164.50
34. Motion Pictures, Sound recording and M	143.29	146.90	150.19	154.82	148.46	157.17	161.49	166.12	170.87	163.39
36. Broadcasting	143.29	144.75	150.19	156.09	148.40	157.17	161.49	166.12	170.87	163.45
37. ARTS, ENTERTAINMENT AND RECREATION	143.29	148.18	150.19	154.82	148.88	157.17	161.49	166.12	170.87	163.31
<b>FINANCIAL AND INSURANCE</b>										
38. Financial Institutions	148.19	152.14	155.62	158.82	153.49	164.88	175.37	182.92	190.79	177.26
39. Insurance	148.19	152.14	155.62	158.82	153.68	164.88	175.37	182.92	190.79	177.02
40. REAL ESTATE	161.12	154.20	156.21	159.12	156.52	166.25	172.96	179.95	170.09	177.73
41. PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVI	148.19	161.33	155.62	158.67	156.09	164.88	175.37	182.92	190.79	177.73
42. ADMINISTRATIVE & SUPPORT SERVICES	148.19	152.14	155.62	158.30	153.74	164.88	175.37	182.92	190.79	177.57
43. PUBLIC ADMINISTRATION	148.19	152.14	155.62	163.72	155.18	164.88	175.37	182.92	190.79	177.37
44. EDUCATION	135.45	138.65	142.00	146.12	141.21	151.28	156.17	164.40	173.06	161.03
45. HUMAN HEALTH AND SOCIAL SERVICES	135.90	139.24	141.85	146.12	140.96	147.49	156.07	160.26	164.57	156.74
46. OTHER SERVICES	148.19	152.14	155.62	158.98	153.17	164.88	175.37	182.92	190.79	176.71
GDP at 2010 constant price	131.10	138.85	135.25	139.91	136.39	139.20	145.64	151.12	160.13	149.44

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## Acknowledgements

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