



GHANA STATISTICAL SERVICE

Statistics for Development and Progress

Quarterly GDP Bulletin

(Quarterly Gross Domestic Product (2009-2018

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Ghana Statistical Service (GSS)

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[www. statsghana.gov.gh](http://www.statsghana.gov.gh)

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Introduction

This bulletin contains the final Gross Domestic Product (GDP) estimates from 2009 to 2016 and revised GDP estimates for the first, second, third and fourth quarters of 2017. The first quarter 2018 GDP estimates are provisional.

Gross Domestic Product (GDP) is Ghana's official measure of economic growth.

There are three different approaches for calculating GDP. These are the production, expenditure and the income approaches. The quarterly GDP figures in this publication are estimated through the production approach.

The bulletin contains 24 Tables: Tables 1 to 4, Quarterly GDP at Current Prices by Economic Activity and respective Sectoral Distribution; Tables 5 to 14, Quarterly GDP at Constant 2006 prices by Economic Activity and Sectoral Growth rates; and Tables 15 to 24 Seasonally Adjusted Quarterly GDP at Constant 2006 Prices by Economic Activity and Sectoral growth rates.

Additional information on Ghana's GDP and national accounts are published on the Ghana Statistical Service website (www.statsghana.gov.gh).

NOTES

Forthcoming issues

| Issue | Expected Date of Publication |
|------------------------|------------------------------|
| First Quarter of 2018 | June 27, 2018 |
| Second Quarter of 2018 | September 26, 2018 |
| Third Quarter of 2018 | December 19, 2018 |
| Fourth Quarter of 2018 | April 24, 2019 |

Explanatory notes

Introduction

This publication contains revised quarterly GDP estimates for the first, second, third and fourth quarters of 2017, and provisional GDP for the first quarter of 2018. GDP estimates for the period 2006 to 2016 are finalized.

Gross Domestic Product (GDP) is Ghana's official measure of economic growth.

There are three different approaches for calculating GDP. These are the production approach, the expenditure approach and the income approach. The production approach is used to calculate Ghana's GDP on a quarterly basis. For more information about GDP and the national accounts, go to Ghana Statistical Service website (www.statsghana.gov.gh).

Sources and Methods

This Statistical Release contains independently compiled quarterly estimates of the Gross Domestic Product (GDP) from the first quarter of 2006 onwards. The estimates are based on the 1993 System of National Accounts (SNA), International Standard Industrial Classification Revision 4 published by the United Nations and Quarterly National Accounts Manual: Concepts, Data Sources and Compilation by International Monetary Fund (IMF). This means that the methodology, concepts and classifications are in accordance with the guidelines and recommendations of an internationally agreed system of national accounts. The estimates of real GDP use 2006 as the base year.

Methodology

Short-term indicators are used to estimate the quarterly GDP (See IMF's Quarterly National Accounts Manual: Concepts, Data sources, and Compilation) from which annual GDP estimates are calculated independently from the quarterly estimates. Alternatively, annual GDP estimates are derived as the sum of the GDP for the four quarters of the year.

Seasonal adjustment

The quarterly value added and GDP estimates have been seasonally adjusted. Seasonal adjustment is the process of estimating and removing seasonal effects from time series to reveal non-seasonal features. This process is to provide a clearer view of short term movements and trends and to allow early identification of turning points.

Revision policy

Revisions to the previously published series may be made each quarter. The frequency and cause of these revisions are as follows:

Quarterly: additional data becoming available for the latest quarters, which are used to update existing estimates; revisions to quarterly data (e.g. revisions to the Balance of Payments, Fiscal data, VAT data), which are incorporated as soon as they are available to maintain consistency among different series of published macro-economic statistics.

Annual: introduction of annual data following the release of the latest annual national accounts each year.

Irregular: Irregular revisions occur for example, as a result of methodological changes. Note that, as far as possible, revisions of this nature are incorporated to coincide with the annual cycle of revisions outlined above.

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Appendix 1- Quarterly Gross Domestic Product at Current Prices by Economic Activity and Respective Sectoral Distribution

| Year Quarter | Value Added (Ghc Million) | | | | | | | | % of GDP (@ basic prices) | | | |
|-----------------|---------------------------|----------|----------|----------|--|--------------------|----------------------------------|--|---------------------------|----------|----------|--|
| | Agriculture | Industry | Services | ***FISIM | Total Value Added (GDP @ basic prices) | Net indirect Taxes | Total (GDP in purchaser's value) | Total Non-Oil (GDP in purchaser's value) | Agriculture | Industry | Services | Total Value Added (GDP @ basic prices) |
| 2009_Q1 | 1,626.3 | 1,661.3 | 4,437.5 | 174.9 | 7,550.1 | 126.0 | 7,676.2 | | 21.1 | 21.5 | 57.4 | 100.0 |
| 2009_Q2 | 1,550.5 | 1,696.7 | 4,920.9 | 200.2 | 7,967.9 | 92.0 | 8,059.8 | | 19.0 | 20.8 | 60.2 | 100.0 |
| 2009_Q3 | 4,086.0 | 1,717.4 | 3,957.8 | 172.0 | 9,589.1 | 253.5 | 9,842.6 | | 41.9 | 17.6 | 40.5 | 100.0 |
| 2009_Q4 | 4,080.1 | 1,700.3 | 4,227.3 | 644.9 | 9,362.9 | 1,656.1 | 11,019.0 | | 40.8 | 17.0 | 42.2 | 100.0 |
| 2010_Q1 | 2,424.4 | 2,101.1 | 6,170.6 | 382.0 | 10,314.0 | 578.3 | 10,892.3 | 10,890.8 | 22.7 | 19.6 | 57.7 | 100.0 |
| 2010_Q2 | 1,854.3 | 1,952.8 | 4,865.0 | 347.8 | 8,324.4 | 974.5 | 9,298.9 | 9,284.0 | 21.4 | 22.5 | 56.1 | 100.0 |
| 2010_Q3 | 4,290.7 | 1,972.9 | 5,386.3 | 386.6 | 11,263.2 | 1,352.4 | 12,615.7 | 12,570.3 | 36.8 | 16.9 | 46.2 | 100.0 |
| 2010_Q4 | 4,340.3 | 2,267.6 | 5,761.8 | 395.3 | 11,974.5 | 1,260.8 | 13,235.2 | 13,119.4 | 35.1 | 18.3 | 46.6 | 100.0 |
| 2011_Q1 | 2,305.3 | 3,004.6 | 7,351.8 | 310.8 | 12,350.8 | 1,405.5 | 13,756.3 | 13,202.7 | 18.2 | 23.7 | 58.1 | 100.0 |
| 2011_Q2 | 1,824.5 | 3,547.8 | 7,441.6 | 409.7 | 12,404.1 | 1,365.9 | 13,770.0 | 12,866.4 | 14.2 | 27.7 | 58.1 | 100.0 |
| 2011_Q3 | 4,705.2 | 3,755.0 | 5,977.3 | 349.5 | 14,088.1 | 1,279.9 | 15,368.0 | 14,247.1 | 32.6 | 26.0 | 41.4 | 100.0 |
| 2011_Q4 | 5,319.8 | 3,966.9 | 6,652.0 | 387.6 | 15,551.1 | 1,370.9 | 16,922.0 | 15,753.9 | 33.4 | 24.9 | 41.7 | 100.0 |
| 2012_Q1 | 2,733.3 | 4,766.6 | 7,672.5 | 461.5 | 14,710.9 | 1,208.0 | 15,918.9 | 14,728.3 | 18.0 | 31.4 | 50.6 | 100.0 |
| 2012_Q2 | 2,324.8 | 4,882.7 | 9,030.4 | 496.6 | 15,741.3 | 1,178.1 | 16,919.4 | 15,786.7 | 14.3 | 30.1 | 55.6 | 100.0 |
| 2012_Q3 | 5,757.1 | 5,276.5 | 7,995.6 | 570.2 | 18,459.1 | 1,074.3 | 19,533.3 | 18,014.1 | 30.3 | 27.7 | 42.0 | 100.0 |
| 2012_Q4 | 5,852.9 | 5,512.2 | 11,138.7 | 788.4 | 21,715.4 | 1,228.3 | 22,943.8 | 21,137.4 | 26.0 | 24.5 | 49.5 | 100.0 |
| 2013_Q1 | 3,126.7 | 6,435.8 | 9,545.8 | 716.7 | 18,391.5 | 1,173.0 | 19,564.6 | 17,451.6 | 16.4 | 33.7 | 50.0 | 100.0 |
| 2013_Q2 | 4,167.2 | 6,228.4 | 11,796.6 | 762.9 | 21,429.2 | 1,368.2 | 22,797.4 | 20,846.1 | 18.8 | 28.1 | 53.2 | 100.0 |
| 2013_Q3 | 6,252.6 | 5,994.6 | 10,885.9 | 568.5 | 22,564.7 | 1,492.6 | 24,057.3 | 22,364.1 | 27.0 | 25.9 | 47.1 | 100.0 |
| 2013_Q4 | 6,685.5 | 6,454.0 | 12,735.6 | 870.9 | 25,004.2 | 1,992.4 | 26,996.6 | 25,312.6 | 25.8 | 24.9 | 49.2 | 100.0 |
| 2014_Q1 | 3,819.6 | 7,080.4 | 13,598.1 | 928.9 | 23,569.2 | 2,255.1 | 25,824.3 | 23,836.6 | 15.6 | 28.9 | 55.5 | 100.0 |
| 2014_Q2 | 3,209.6 | 7,355.7 | 14,406.5 | 1,020.8 | 23,950.9 | 2,708.9 | 26,659.8 | 24,512.2 | 12.9 | 29.5 | 57.7 | 100.0 |
| 2014_Q3 | 8,084.0 | 7,184.3 | 14,591.7 | 1,227.9 | 28,632.2 | 3,003.5 | 31,635.6 | 29,855.9 | 27.1 | 24.1 | 48.9 | 100.0 |
| 2014_Q4 | 8,164.9 | 7,146.3 | 13,651.9 | 1,176.1 | 27,787.1 | 1,436.6 | 29,223.7 | 27,345.7 | 28.2 | 24.7 | 47.1 | 100.0 |
| 2015_Q1 | 4,229.8 | 7,012.9 | 16,061.5 | 1,251.3 | 26,052.9 | 3,257.0 | 29,309.9 | 28,173.7 | 15.5 | 25.7 | 58.8 | 100.0 |
| 2015_Q2 | 3,683.2 | 7,931.5 | 17,618.2 | 1,478.0 | 27,754.9 | 3,243.6 | 30,998.5 | 29,139.6 | 12.6 | 27.1 | 60.3 | 100.0 |
| 2015_Q3 | 9,025.4 | 8,556.8 | 17,924.7 | 1,259.1 | 34,247.8 | 3,585.3 | 37,833.2 | 36,630.0 | 25.4 | 24.1 | 50.5 | 100.0 |
| 2015_Q4 | 9,195.2 | 8,793.2 | 18,554.8 | 1,480.7 | 35,062.4 | 3,753.4 | 38,815.8 | 37,703.5 | 25.2 | 24.0 | 50.8 | 100.0 |
| 2016_Q1 | 5,090.0 | 8,412.5 | 20,478.8 | 1,545.8 | 32,435.6 | 4,040.9 | 36,476.5 | 36,065.6 | 15.0 | 24.8 | 60.3 | 100.0 |
| 2016_Q2 | 4,335.6 | 8,836.5 | 21,997.4 | 1,733.8 | 33,435.7 | 4,625.8 | 38,061.5 | 37,641.6 | 12.3 | 25.1 | 62.5 | 100.0 |
| 2016_Q3 | 10,065.1 | 10,083.3 | 22,774.7 | 1,506.7 | 41,416.3 | 4,047.7 | 45,464.0 | 44,489.9 | 23.4 | 23.5 | 53.1 | 100.0 |
| 2016_Q4 | 10,074.7 | 10,632.7 | 23,695.4 | 1,929.7 | 42,473.0 | 4,878.4 | 47,351.5 | 45,901.6 | 22.7 | 23.9 | 53.4 | 100.0 |
| 2017_Q1* | 5,449.7 | 11,499.7 | 25,977.5 | 1,990.7 | 40,936.1 | 5,704.0 | 46,640.1 | 44,871.9 | 12.7 | 26.8 | 60.5 | 100.0 |
| 2017_Q2* | 5,487.2 | 11,650.1 | 26,848.1 | 1,970.4 | 42,015.0 | 5,789.4 | 47,804.4 | 45,732.3 | 12.5 | 26.5 | 61.0 | 100.0 |
| 2017_Q3* | 11,989.7 | 12,500.8 | 26,913.5 | 1,980.4 | 49,423.6 | 5,741.1 | 55,164.7 | 52,161.9 | 23.3 | 24.3 | 52.4 | 100.0 |
| 2017_Q4* | 12,120.2 | 13,110.9 | 27,665.4 | 2,195.5 | 50,701.0 | 5,603.8 | 56,304.8 | 52,433.9 | 22.9 | 24.8 | 52.3 | 100.0 |
| 2018_Q1** | 5,938.9 | 13,699.4 | 30,261.5 | 1,992.8 | 47,907.0 | 6,592.8 | 54,499.8 | 51,710.5 | 11.9 | 27.5 | 60.6 | 100.0 |

*Revised
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 ***FISIM is a negative item

| Appendix 2 - Agriculture: Value Added by Activity at Current Prices | | | | | | | |
|--|---------|---------------------------|---------|-----------|--------------------|---------|-------------------|
| Year | Quarter | Value Added (GHc Million) | | | | | Total Value Added |
| | | Crops & Cocoa | Cocoa | Livestock | Forestry & Logging | Fishing | |
| 2009_Q1 | | 1,021.8 | 192.6 | 162.8 | 329.3 | 112.4 | 1,626.3 |
| 2009_Q2 | | 875.4 | 205.0 | 143.3 | 326.6 | 205.1 | 1,550.5 |
| 2009_Q3 | | 3,300.6 | 224.7 | 142.6 | 329.1 | 313.7 | 4,086.0 |
| 2009_Q4 | | 3,227.5 | 251.5 | 280.4 | 329.1 | 243.2 | 4,080.1 |
| 2010_Q1 | | 1,470.6 | 285.6 | 196.9 | 382.4 | 374.4 | 2,424.4 |
| 2010_Q2 | | 1,019.1 | 324.1 | 173.4 | 397.9 | 264.0 | 1,854.3 |
| 2010_Q3 | | 3,444.6 | 367.2 | 171.5 | 412.4 | 262.2 | 4,290.7 |
| 2010_Q4 | | 3,487.2 | 414.7 | 331.3 | 421.5 | 100.3 | 4,340.3 |
| 2011_Q1 | | 1,442.0 | 466.6 | 228.6 | 402.0 | 232.6 | 2,305.3 |
| 2011_Q2 | | 1,068.0 | 500.3 | 199.4 | 403.7 | 153.3 | 1,824.5 |
| 2011_Q3 | | 3,909.5 | 515.8 | 196.6 | 385.7 | 213.4 | 4,705.2 |
| 2011_Q4 | | 4,230.4 | 512.9 | 379.2 | 357.8 | 352.5 | 5,319.8 |
| 2012_Q1 | | 1,746.5 | 587.7 | 262.9 | 446.9 | 277.0 | 2,733.3 |
| 2012_Q2 | | 1,344.9 | 189.0 | 231.0 | 467.9 | 281.1 | 2,324.8 |
| 2012_Q3 | | 4,770.2 | 367.2 | 228.5 | 479.0 | 279.3 | 5,757.1 |
| 2012_Q4 | | 4,663.0 | 724.6 | 439.6 | 485.8 | 264.5 | 5,852.9 |
| 2013_Q1 | | 2,024.2 | 614.0 | 289.1 | 529.4 | 284.0 | 3,126.7 |
| 2013_Q2 | | 3,090.8 | 204.4 | 246.6 | 495.2 | 334.7 | 4,167.2 |
| 2013_Q3 | | 5,184.9 | 401.6 | 238.4 | 489.4 | 339.8 | 6,252.6 |
| 2013_Q4 | | 5,441.7 | 761.3 | 448.8 | 504.7 | 290.3 | 6,685.5 |
| 2014_Q1 | | 2,579.0 | 846.5 | 309.2 | 594.5 | 336.9 | 3,819.6 |
| 2014_Q2 | | 2,002.1 | 253.6 | 267.9 | 631.3 | 308.4 | 3,209.6 |
| 2014_Q3 | | 6,839.0 | 458.1 | 259.7 | 655.4 | 329.8 | 8,084.0 |
| 2014_Q4 | | 6,723.9 | 850.8 | 481.0 | 656.1 | 303.9 | 8,164.9 |
| 2015_Q1 | | 2,756.6 | 683.6 | 400.1 | 719.2 | 353.9 | 4,229.8 |
| 2015_Q2 | | 2,199.5 | 234.7 | 383.8 | 739.6 | 360.3 | 3,683.2 |
| 2015_Q3 | | 7,540.6 | 480.3 | 373.4 | 732.6 | 378.8 | 9,025.4 |
| 2015_Q4 | | 7,671.3 | 971.3 | 401.2 | 733.2 | 389.5 | 9,195.2 |
| 2016_Q1 | | 3,346.0 | 794.0 | 504.4 | 811.4 | 428.2 | 5,090.0 |
| 2016_Q2 | | 2,542.5 | 262.4 | 498.3 | 820.7 | 474.1 | 4,335.6 |
| 2016_Q3 | | 8,337.8 | 521.0 | 408.0 | 830.1 | 489.1 | 10,065.1 |
| 2016_Q4 | | 8,391.6 | 1,037.0 | 421.7 | 859.5 | 401.9 | 10,074.7 |
| 2017_Q1* | | 3,389.2 | 961.3 | 541.5 | 939.6 | 579.3 | 5,449.7 |
| 2017_Q2* | | 3,423.2 | 405.8 | 592.8 | 891.9 | 579.3 | 5,487.2 |
| 2017_Q3* | | 10,062.7 | 755.1 | 495.9 | 891.8 | 539.2 | 11,989.7 |
| 2017_Q4* | | 10,208.3 | 1,234.7 | 489.2 | 899.3 | 523.4 | 12,120.2 |
| 2018_Q1** | | 3,730.3 | 1,007.4 | 593.4 | 1,016.3 | 598.8 | 5,938.9 |

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| Appendix 3- Industry: Value Added by Activity at Current Prices | | | | | | | | |
|--|----------------|----------------------------------|----------------------|----------------------|--------------------|-----------------------------|---------------------|--------------------------|
| Year | Quarter | Value Added (GHc Million) | | | | | | |
| | | Mining and Quarrying | Oil & Gas | Manufacturing | Electricity | Water & Sewerage | Construction | Total Value Added |
| 2009_Q1 | | 181.7 | | 650.2 | 41.0 | 57.1 | 731.3 | 1,661.3 |
| 2009_Q2 | | 186.6 | | 615.6 | 41.8 | 56.6 | 796.1 | 1,696.7 |
| 2009_Q3 | | 186.6 | | 611.1 | 38.3 | 63.0 | 818.3 | 1,717.4 |
| 2009_Q4 | | 185.1 | | 601.5 | 45.8 | 69.7 | 798.3 | 1,700.3 |
| 2010_Q1 | | 183.4 | 1.5 | 827.8 | 49.2 | 74.1 | 966.6 | 2,101.1 |
| 2010_Q2 | | 226.9 | 14.9 | 654.9 | 63.0 | 86.1 | 921.9 | 1,952.8 |
| 2010_Q3 | | 263.9 | 45.3 | 626.6 | 78.1 | 101.7 | 902.5 | 1,972.9 |
| 2010_Q4 | | 338.5 | 115.8 | 832.1 | 75.6 | 106.4 | 915.0 | 2,267.6 |
| 2011_Q1 | | 787.3 | 553.6 | 818.2 | 76.5 | 109.5 | 1,213.0 | 3,004.6 |
| 2011_Q2 | | 1,138.7 | 903.6 | 975.3 | 74.3 | 116.2 | 1,243.3 | 3,547.8 |
| 2011_Q3 | | 1,365.9 | 1,120.8 | 936.3 | 64.6 | 118.6 | 1,269.6 | 3,755.0 |
| 2011_Q4 | | 1,398.0 | 1,168.2 | 1,112.6 | 64.3 | 123.1 | 1,269.0 | 3,966.9 |
| 2012_Q1 | | 1,527.7 | 1,190.6 | 1,038.1 | 81.1 | 124.3 | 1,995.5 | 4,766.6 |
| 2012_Q2 | | 1,480.6 | 1,132.7 | 1,106.7 | 81.8 | 128.5 | 2,085.0 | 4,882.7 |
| 2012_Q3 | | 1,833.9 | 1,519.2 | 1,095.1 | 78.5 | 129.7 | 2,139.4 | 5,276.5 |
| 2012_Q4 | | 2,118.4 | 1,806.4 | 1,023.4 | 91.0 | 128.8 | 2,150.5 | 5,512.2 |
| 2013_Q1 | | 2,441.3 | 2,113.0 | 1,105.6 | 93.5 | 126.5 | 2,668.9 | 6,435.8 |
| 2013_Q2 | | 2,160.4 | 1,951.3 | 1,178.4 | 95.0 | 130.8 | 2,663.7 | 6,228.4 |
| 2013_Q3 | | 1,872.7 | 1,693.2 | 1,185.6 | 94.8 | 131.7 | 2,709.9 | 5,994.6 |
| 2013_Q4 | | 2,028.6 | 1,683.9 | 1,330.8 | 110.1 | 179.2 | 2,805.2 | 6,454.0 |
| 2014_Q1 | | 2,169.4 | 1,987.7 | 1,158.1 | 120.3 | 158.0 | 3,474.5 | 7,080.4 |
| 2014_Q2 | | 2,367.3 | 2,147.6 | 1,362.4 | 118.1 | 144.4 | 3,363.5 | 7,355.7 |
| 2014_Q3 | | 2,046.8 | 1,779.7 | 1,450.3 | 104.2 | 139.3 | 3,443.7 | 7,184.3 |
| 2014_Q4 | | 2,056.5 | 1,878.0 | 1,371.0 | 100.3 | 134.2 | 3,484.3 | 7,146.3 |
| 2015_Q1 | | 1,587.5 | 1,136.2 | 1,519.3 | 90.5 | 161.1 | 3,654.5 | 7,012.9 |
| 2015_Q2 | | 2,256.8 | 1,858.9 | 1,508.6 | 358.8 | 172.4 | 3,634.9 | 7,931.5 |
| 2015_Q3 | | 1,591.7 | 1,203.2 | 1,537.5 | 330.3 | 191.1 | 4,906.3 | 8,556.8 |
| 2015_Q4 | | 1,415.0 | 1,112.3 | 1,653.9 | 374.9 | 234.7 | 5,114.7 | 8,793.2 |
| 2016_Q1 | | 1,290.2 | 410.8 | 1,418.4 | 453.4 | 198.9 | 5,051.6 | 8,412.5 |
| 2016_Q2 | | 1,387.2 | 419.9 | 1,671.2 | 448.5 | 198.4 | 5,131.2 | 8,836.5 |
| 2016_Q3 | | 1,927.8 | 974.1 | 1,942.6 | 421.9 | 202.6 | 5,588.4 | 10,083.3 |
| 2016_Q4 | | 2,010.9 | 1,449.9 | 2,241.2 | 460.5 | 200.6 | 5,719.5 | 10,632.7 |
| 2017_Q1* | | 2,089.9 | 1,768.2 | 2,117.6 | 484.1 | 227.9 | 6,580.1 | 11,499.7 |
| 2017_Q2* | | 2,228.4 | 2,072.1 | 2,186.4 | 488.5 | 226.8 | 6,520.1 | 11,650.1 |
| 2017_Q3* | | 3,089.3 | 3,002.7 | 2,142.6 | 482.2 | 230.3 | 6,556.4 | 12,500.8 |
| 2017_Q4* | | 3,779.4 | 3,870.9 | 2,123.9 | 485.8 | 210.4 | 6,511.3 | 13,110.9 |
| 2018_Q1** | | 3,173.6 | 2,789.3 | 2,235.4 | 486.7 | 223.1 | 7,580.7 | 13,699.4 |

*Revised
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| Appendix 4 - Services: Value Added by Activity at Current Prices | | | | | | | | | | | |
|--|--|------------------------|---------------------|--------------------------------|-------------------------------------|---|---|-----------|--------|---|-------------------|
| Year Quarter | Value Added (GHc Million) | | | | | | | | | | |
| | Trade; Repair of Vehicles, Household Goods | Hotels And Restaurants | Transport & Storage | Information & Communication | Financial & Insurance Activities | Real Estate, Professional, Administrative & other Services Activities | Public Administration & Defence; Social Security | Education | Health | Community, Social & Personal Service Activities | Total Value Added |
| 2009_Q1 | 470.6 | 556.0 | 1,636.7 | 148.5 | 303.2 | 349.9 | 413.1 | 282.7 | 59.3 | 217.4 | 4,437.5 |
| 2009_Q2 | 497.7 | 569.4 | 1,287.4 | 156.2 | 339.4 | 362.5 | 676.6 | 381.1 | 134.1 | 516.6 | 4,920.9 |
| 2009_Q3 | 557.8 | 521.3 | 570.4 | 163.4 | 274.3 | 401.2 | 561.5 | 363.0 | 97.8 | 447.2 | 3,957.8 |
| 2009_Q4 | 582.9 | 548.9 | 263.1 | 188.4 | 630.4 | 348.5 | 827.5 | 478.9 | 222.0 | 136.6 | 4,227.3 |
| 2010_Q1 | 719.3 | 691.0 | 913.3 | 211.3 | 770.1 | 560.2 | 690.4 | 422.7 | 134.5 | 1,057.9 | 6,170.6 |
| 2010_Q2 | 744.3 | 553.7 | 1,121.3 | 192.8 | 171.2 | 576.4 | 773.5 | 471.4 | 175.3 | 85.0 | 4,865.0 |
| 2010_Q3 | 646.6 | 800.4 | 1,335.9 | 207.4 | 513.0 | 402.3 | 811.3 | 487.7 | 190.6 | -9.1 | 5,386.3 |
| 2010_Q4 | 590.8 | 547.7 | 1,208.0 | 219.6 | 785.6 | 405.9 | 748.3 | 495.0 | 173.2 | 587.7 | 5,761.8 |
| 2011_Q1 | 875.5 | 688.3 | 2,109.0 | 240.8 | 602.0 | 619.2 | 919.0 | 637.8 | 284.9 | 375.3 | 7,351.8 |
| 2011_Q2 | 906.2 | 726.3 | 1,548.1 | 251.9 | 641.9 | 482.0 | 1,296.4 | 800.7 | 322.5 | 465.7 | 7,441.6 |
| 2011_Q3 | 707.6 | 790.8 | 1,316.0 | 266.9 | 545.9 | 659.1 | 634.4 | 353.8 | 42.2 | 660.6 | 5,977.3 |
| 2011_Q4 | 793.1 | 802.0 | 1,023.7 | 229.4 | 676.1 | 830.4 | 1,047.0 | 514.3 | 78.9 | 657.1 | 6,652.0 |
| 2012_Q1 | 867.7 | 885.6 | 1,570.3 | 330.4 | 663.1 | 795.1 | 790.3 | 989.0 | 123.0 | 658.0 | 7,672.5 |
| 2012_Q2 | 1,216.0 | 905.8 | 2,062.5 | 374.7 | 761.7 | 893.0 | 967.4 | 785.8 | 209.7 | 853.9 | 9,030.4 |
| 2012_Q3 | 957.1 | 829.4 | 1,951.5 | 402.7 | 881.8 | 868.0 | 882.4 | 531.0 | 63.4 | 628.3 | 7,995.6 |
| 2012_Q4 | 1,019.1 | 896.6 | 2,456.4 | 482.5 | 1,145.2 | 945.6 | 2,311.8 | 795.4 | 525.2 | 560.9 | 11,138.7 |
| 2013_Q1 | 1,179.0 | 1,247.1 | 1,527.0 | 374.7 | 1,368.1 | 906.0 | 1,241.7 | 673.3 | 195.8 | 833.0 | 9,545.8 |
| 2013_Q2 | 1,386.5 | 1,310.9 | 3,509.0 | 414.9 | 1,305.4 | 793.5 | 1,373.7 | 771.2 | 227.0 | 704.5 | 11,796.6 |
| 2013_Q3 | 1,393.5 | 1,336.3 | 2,527.7 | 379.1 | 1,515.4 | 859.4 | 926.3 | 852.9 | 259.4 | 835.9 | 10,885.9 |
| 2013_Q4 | 1,263.0 | 1,361.9 | 2,585.3 | 402.8 | 1,695.9 | 926.1 | 1,763.6 | 950.3 | 273.6 | 1,513.1 | 12,735.6 |
| 2014_Q1 | 1,088.7 | 1,417.5 | 3,481.6 | 487.4 | 2,047.3 | 885.2 | 1,395.8 | 939.9 | 246.6 | 1,608.0 | 13,598.1 |
| 2014_Q2 | 1,681.2 | 1,728.1 | 3,436.4 | 519.0 | 2,129.2 | 1,131.9 | 1,494.5 | 975.5 | 278.5 | 1,032.1 | 14,406.5 |
| 2014_Q3 | 1,885.6 | 1,642.6 | 3,022.9 | 686.8 | 2,789.1 | 1,024.9 | 1,411.5 | 971.0 | 265.5 | 891.8 | 14,591.7 |
| 2014_Q4 | 1,429.4 | 1,310.9 | 3,410.3 | 747.9 | 2,149.5 | 851.9 | 1,541.6 | 996.6 | 300.2 | 913.6 | 13,651.9 |
| 2015_Q1 | 1,668.9 | 1,742.2 | 3,752.4 | 862.8 | 2,407.3 | 1,251.3 | 1,633.1 | 1,172.6 | 306.1 | 1,264.8 | 16,061.5 |
| 2015_Q2 | 1,999.3 | 1,826.4 | 4,342.2 | 886.5 | 2,728.7 | 1,274.9 | 1,750.3 | 1,187.7 | 404.7 | 1,217.7 | 17,618.2 |
| 2015_Q3 | 2,078.5 | 1,929.9 | 4,150.3 | 872.0 | 3,105.4 | 1,271.2 | 1,680.1 | 1,198.2 | 401.9 | 1,237.2 | 17,924.7 |
| 2015_Q4 | 2,131.0 | 2,002.0 | 4,483.5 | 839.1 | 3,239.9 | 1,260.8 | 1,771.4 | 1,199.4 | 416.3 | 1,211.4 | 18,554.8 |
| 2016_Q1 | 2,172.9 | 2,009.2 | 5,099.0 | 1,163.9 | 3,063.2 | 1,311.8 | 2,175.2 | 1,522.0 | 542.4 | 1,419.2 | 20,478.8 |
| 2016_Q2 | 2,566.0 | 2,141.8 | 5,115.9 | 1,240.9 | 3,624.1 | 1,674.6 | 2,107.6 | 1,578.6 | 521.8 | 1,426.2 | 21,997.4 |
| 2016_Q3 | 2,601.5 | 2,482.8 | 5,181.0 | 1,364.7 | 3,882.9 | 1,637.4 | 2,041.0 | 1,580.5 | 562.6 | 1,440.3 | 22,774.7 |
| 2016_Q4 | 2,644.3 | 2,655.2 | 5,371.9 | 1,368.0 | 4,140.7 | 1,700.8 | 2,189.9 | 1,588.6 | 579.3 | 1,456.7 | 23,695.4 |
| 2017_Q1* | 2,808.7 | 2,850.1 | 6,209.2 | 1,799.6 | 3,163.6 | 2,130.0 | 2,521.8 | 2,081.9 | 777.1 | 1,635.5 | 25,977.5 |
| 2017_Q2* | 3,132.3 | 2,994.9 | 6,389.4 | 1,736.2 | 3,570.4 | 1,980.2 | 2,695.1 | 1,991.4 | 747.7 | 1,610.4 | 26,848.1 |
| 2017_Q3* | 3,072.3 | 2,708.9 | 5,974.4 | 1,757.0 | 4,486.7 | 1,995.4 | 2,514.8 | 1,997.2 | 724.4 | 1,682.5 | 26,913.5 |
| 2017_Q4* | 3,105.8 | 2,588.5 | 5,985.2 | 1,539.0 | 5,657.6 | 1,783.3 | 2,567.4 | 2,072.9 | 672.9 | 1,692.8 | 27,665.4 |
| 2018_Q1** | 3,525.8 | 3,151.5 | 7,493.1 | 2,271.0 | 3,317.0 | 2,637.0 | 2,838.4 | 2,265.6 | 868.2 | 1,893.7 | 30,261.5 |

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Appendix 5 - Quarterly Value Added and GDP at constant 2006 Prices by Economic Activity

| Year Quarter | Quarterly Value Added (GHc Million) | | | | | | | Year-on-Year change (%) | | | | | |
|-----------------|-------------------------------------|----------|----------|-------|---|--------------------|---|---------------------------|-------------|----------|----------|-------------------|-----------------------|
| | Agriculture | Industry | Services | FISIM | Total Value Added (GDP @ basic prices) | Net indirect Taxes | Total (Oil GDP in purchaser's value) | Total (Non Oil GDP)*** | Agriculture | Industry | Services | Total (Oil GDP)** | Total (Non-oil GDP)** |
| 2009_Q1 | 1,001.7 | 1,173.3 | 2,653.8 | 153.5 | 4,675.3 | 273.2 | 4,948.5 | | 4.5 | 3.8 | 3.4 | 1.8 | |
| 2009_Q2 | 791.5 | 1,184.3 | 2,657.1 | 173.5 | 4,459.4 | 285.9 | 4,745.3 | | 1.6 | 5.3 | 10.1 | 3.7 | |
| 2009_Q3 | 2,074.6 | 1,170.9 | 2,636.5 | 130.1 | 5,752.0 | 344.7 | 6,096.7 | | 6.8 | 5.1 | 0.4 | 3.2 | |
| 2009_Q4 | 2,261.3 | 1,196.2 | 2,719.4 | 281.6 | 5,895.4 | 650.6 | 6,545.9 | | 11.1 | 3.9 | 8.8 | 9.8 | |
| 2010_Q1 | 1,013.9 | 1,275.5 | 3,064.8 | 208.1 | 5,146.2 | 264.7 | 5,410.9 | | 1.2 | 8.7 | 15.5 | 9.3 | |
| 2010_Q2 | 887.4 | 1,229.4 | 2,771.0 | 187.3 | 4,700.4 | 398.2 | 5,098.6 | | 12.1 | 3.8 | 4.3 | 7.4 | |
| 2010_Q3 | 2,273.3 | 1,229.2 | 2,946.7 | 199.8 | 6,249.3 | 522.3 | 6,771.6 | | 9.6 | 5.0 | 11.8 | 11.1 | |
| 2010_Q4 | 2,278.0 | 1,318.9 | 2,931.9 | 201.5 | 6,327.3 | 491.7 | 6,819.0 | 6,754.4 | 0.7 | 10.3 | 7.8 | 4.2 | |
| 2011_Q1 | 1,012.7 | 1,519.9 | 3,241.4 | 192.6 | 5,581.3 | 507.4 | 6,088.7 | 5,848.9 | -0.1 | 19.2 | 5.8 | 12.5 | |
| 2011_Q2 | 903.3 | 1,752.1 | 3,105.8 | 247.1 | 5,514.0 | 475.2 | 5,989.2 | 5,657.3 | 1.8 | 42.5 | 12.1 | 17.5 | |
| 2011_Q3 | 2,286.8 | 1,898.2 | 3,198.6 | 222.1 | 7,161.4 | 443.7 | 7,605.1 | 7,208.3 | 0.6 | 54.4 | 8.6 | 12.3 | |
| 2011_Q4 | 2,304.4 | 1,987.0 | 3,266.9 | 241.7 | 7,316.5 | 486.3 | 7,802.8 | 7,399.3 | 1.2 | 50.7 | 11.4 | 14.4 | 9.5 |
| 2012_Q1 | 1,005.9 | 1,956.7 | 4,384.9 | 238.2 | 7,109.3 | 502.2 | 7,611.5 | 7,234.1 | -0.7 | 28.7 | 35.3 | 25.0 | 23.7 |
| 2012_Q2 | 857.0 | 1,929.3 | 3,719.6 | 227.0 | 6,279.0 | 525.2 | 6,804.2 | 6,455.0 | -5.1 | 10.1 | 19.8 | 13.6 | 14.1 |
| 2012_Q3 | 2,262.7 | 2,028.3 | 3,080.1 | 247.6 | 7,123.5 | 496.8 | 7,620.3 | 7,172.9 | -1.1 | 6.9 | -3.7 | 0.2 | -0.5 |
| 2012_Q4 | 2,531.3 | 2,033.1 | 3,176.2 | 302.5 | 7,438.0 | 566.2 | 8,004.2 | 7,509.7 | 9.8 | 2.3 | -2.8 | 2.6 | 1.5 |
| 2013_Q1 | 1,247.0 | 2,117.9 | 4,102.0 | 305.8 | 7,161.1 | 517.2 | 7,678.3 | 7,166.8 | 24.0 | 8.2 | -6.5 | 0.9 | -0.9 |
| 2013_Q2 | 1,292.7 | 2,249.6 | 3,906.2 | 296.1 | 7,152.4 | 555.6 | 7,708.0 | 7,169.7 | 50.8 | 16.6 | 5.0 | 13.3 | 11.1 |
| 2013_Q3 | 1,978.5 | 2,063.6 | 3,862.7 | 396.3 | 7,508.5 | 552.3 | 8,060.8 | 7,604.6 | -12.6 | 1.7 | 25.4 | 5.8 | 6.0 |
| 2013_Q4 | 2,516.7 | 2,044.2 | 3,927.2 | 316.4 | 8,171.7 | 618.1 | 8,789.8 | 8,326.9 | -0.6 | 0.5 | 23.6 | 9.8 | 10.9 |
| 2014_Q1 | 1,146.0 | 2,080.8 | 3,877.1 | 301.9 | 6,801.9 | 584.8 | 7,386.7 | 6,888.6 | -8.1 | -1.8 | -5.5 | -3.8 | -3.9 |
| 2014_Q2 | 992.8 | 2,260.4 | 4,299.8 | 395.5 | 7,157.6 | 565.7 | 7,723.3 | 7,168.2 | -23.2 | 0.5 | 10.1 | 0.2 | 0.0 |
| 2014_Q3 | 2,532.7 | 2,158.7 | 4,212.6 | 361.6 | 8,542.4 | 607.0 | 9,149.4 | 8,615.7 | 28.0 | 4.6 | 9.1 | 13.5 | 13.3 |
| 2014_Q4 | 2,690.5 | 2,041.9 | 4,288.5 | 334.9 | 8,686.0 | 576.4 | 9,262.4 | 8,791.8 | 6.9 | -0.1 | 9.2 | 5.4 | 5.6 |
| 2015_Q1 | 1,150.5 | 2,072.6 | 4,135.9 | 275.2 | 7,083.9 | 609.0 | 7,692.9 | 7,180.8 | 0.4 | -0.4 | 6.7 | 4.1 | 4.2 |
| 2015_Q2 | 1,029.4 | 2,230.4 | 4,574.6 | 407.5 | 7,426.9 | 587.0 | 8,014.0 | 7,473.8 | 3.7 | -1.3 | 6.4 | 3.8 | 4.3 |
| 2015_Q3 | 2,643.7 | 2,123.5 | 4,447.3 | 362.7 | 8,851.9 | 629.0 | 9,480.9 | 8,995.6 | 4.4 | -1.6 | 5.6 | 3.6 | 4.4 |
| 2015_Q4 | 2,743.3 | 2,086.4 | 4,576.0 | 384.1 | 9,021.6 | 598.7 | 9,620.3 | 9,081.3 | 2.0 | 2.2 | 6.7 | 3.9 | 3.3 |
| 2016_Q1 | 1,207.8 | 2,111.3 | 4,407.9 | 333.7 | 7,393.3 | 634.1 | 8,027.4 | 7,633.1 | 5.0 | 1.9 | 6.6 | 4.3 | 6.3 |
| 2016_Q2 | 1,069.8 | 1,980.2 | 4,828.4 | 366.6 | 7,511.8 | 593.6 | 8,105.5 | 7,884.9 | 3.9 | -11.2 | 5.5 | 1.1 | 5.5 |
| 2016_Q3 | 2,718.1 | 2,197.3 | 4,646.3 | 307.1 | 9,254.6 | 658.3 | 9,913.0 | 9,407.5 | 2.8 | 3.5 | 4.5 | 4.6 | 4.6 |
| 2016_Q4 | 2,794.4 | 2,185.8 | 4,864.2 | 413.4 | 9,431.0 | 626.8 | 10,057.8 | 9,453.2 | 1.9 | 4.8 | 6.3 | 4.5 | 4.1 |
| 2017_Q1* | 1,309.4 | 2,361.4 | 4,555.1 | 338.2 | 7,887.7 | 676.5 | 8,564.3 | 7,937.5 | 8.4 | 11.8 | 3.3 | 6.7 | 4.0 |
| 2017_Q2* | 1,114.9 | 2,384.0 | 5,067.5 | 352.0 | 8,214.4 | 649.2 | 8,863.6 | 8,202.6 | 4.2 | 20.4 | 5.0 | 9.4 | 4.0 |
| 2017_Q3* | 2,984.4 | 2,573.6 | 4,900.0 | 309.4 | 10,148.6 | 721.9 | 10,870.5 | 10,000.3 | 9.8 | 17.1 | 5.5 | 9.7 | 6.3 |
| 2017_Q4* | 3,032.6 | 2,568.8 | 5,031.2 | 433.7 | 10,198.9 | 677.8 | 10,876.8 | 9,922.3 | 8.5 | 17.5 | 3.4 | 8.1 | 5.0 |
| 2018_Q1** | 1,346.2 | 2,587.3 | 4,792.2 | 299.6 | 8,426.0 | 722.7 | 9,148.7 | 8,366.3 | 2.8 | 9.6 | 5.2 | 6.8 | 5.4 |

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***Total includes net indirect taxes & FISIM

Appendix 6- Deflators by Economic Activity

| Year | Quarter | Quarterly Deflators (%) | | | | Quarter-on-Quarter Change (%) in Deflators | | | | Year-on-Year change (%) in Deflators | | | |
|-----------|---------|-------------------------|----------|----------|--------------|--|----------|----------|--------------|--------------------------------------|----------|----------|-------------|
| | | Agriculture | Industry | Services | Total | Agriculture | Industry | Services | Total | Agriculture | Industry | Services | Total |
| 2009_Q1 | | 162.4 | 141.6 | 167.2 | 157.1 | 4.0 | 5.9 | 11.7 | 7.2 | -5.8 | 10.3 | 35.6 | 13.3 |
| 2009_Q2 | | 195.9 | 143.3 | 185.2 | 174.8 | 20.7 | 1.2 | 10.8 | 11.3 | 36.4 | 12.6 | 43.1 | 30.7 |
| 2009_Q3 | | 197.0 | 146.7 | 150.1 | 164.6 | 0.5 | 2.4 | -18.9 | -5.8 | 30.8 | 14.1 | 1.0 | 15.3 |
| 2009_Q4 | | 180.4 | 142.1 | 155.4 | 159.3 | -8.4 | -3.1 | 3.6 | -3.2 | 15.5 | 6.4 | 3.8 | 8.6 |
| 2010_Q1 | | 239.1 | 164.7 | 201.3 | 201.7 | 32.5 | 15.9 | 29.5 | 26.6 | 47.3 | 16.3 | 20.4 | 28.0 |
| 2010_Q2 | | 209.0 | 158.9 | 175.6 | 181.1 | -12.6 | -3.6 | -12.8 | -10.2 | 6.7 | 10.9 | -5.2 | 4.1 |
| 2010_Q3 | | 188.7 | 160.5 | 182.8 | 177.3 | -9.7 | 1.0 | 4.1 | -2.1 | -4.2 | 9.4 | 21.8 | 9.0 |
| 2010_Q4 | | 190.5 | 171.9 | 196.5 | 186.3 | 0.9 | 7.1 | 7.5 | 5.1 | 5.6 | 21.0 | 26.4 | 17.7 |
| 2011_Q1 | | 227.6 | 197.7 | 226.8 | 217.4 | 19.5 | 15.0 | 15.4 | 16.7 | -4.8 | 20.0 | 12.7 | 9.3 |
| 2011_Q2 | | 202.0 | 202.5 | 239.6 | 214.7 | -11.3 | 2.4 | 5.6 | -1.2 | -3.3 | 27.5 | 36.5 | 20.2 |
| 2011_Q3 | | 205.8 | 197.8 | 186.9 | 196.8 | 1.9 | -2.3 | -22.0 | -8.3 | 9.0 | 23.3 | 2.2 | 11.5 |
| 2011_Q4 | | 230.9 | 199.6 | 203.6 | 211.4 | 12.2 | 0.9 | 9.0 | 7.4 | 21.2 | 16.1 | 3.6 | 13.6 |
| 2012_Q1 | | 271.7 | 243.6 | 175.0 | 230.1 | 17.7 | 22.0 | -14.1 | 8.9 | 19.4 | 23.2 | -22.9 | 6.6 |
| 2012_Q2 | | 271.3 | 253.1 | 242.8 | 255.7 | -0.2 | 3.9 | 38.8 | 11.1 | 34.3 | 25.0 | 1.3 | 20.2 |
| 2012_Q3 | | 254.4 | 260.1 | 259.6 | 258.1 | -6.2 | 2.8 | 6.9 | 0.9 | 23.7 | 31.5 | 38.9 | 31.4 |
| 2012_Q4 | | 231.2 | 271.1 | 350.7 | 284.3 | -9.1 | 4.2 | 35.1 | 10.2 | 0.2 | 35.8 | 72.2 | 36.1 |
| 2013_Q1 | | 250.7 | 303.9 | 232.7 | 262.4 | 8.4 | 12.1 | -33.6 | -7.7 | -7.7 | 24.7 | 33.0 | 16.7 |
| 2013_Q2 | | 322.4 | 276.9 | 302.0 | 300.4 | 28.6 | -8.9 | 29.8 | 14.5 | 18.8 | 9.4 | 24.4 | 17.5 |
| 2013_Q3 | | 316.0 | 290.5 | 281.8 | 296.1 | -2.0 | 4.9 | -6.7 | -1.4 | 24.2 | 11.7 | 8.6 | 14.8 |
| 2013_Q4 | | 265.7 | 315.7 | 324.3 | 301.9 | -15.9 | 8.7 | 15.1 | 1.9 | 14.9 | 16.4 | -7.5 | 7.9 |
| 2014_Q1 | | 333.3 | 340.3 | 350.7 | 341.4 | 25.5 | 7.8 | 8.2 | 13.1 | 32.9 | 12.0 | 50.7 | 31.9 |
| 2014_Q2 | | 323.3 | 325.4 | 335.1 | 327.9 | -3.0 | -4.4 | -4.5 | -4.0 | 0.3 | 17.5 | 10.9 | 9.6 |
| 2014_Q3 | | 319.2 | 332.8 | 346.4 | 332.8 | -1.3 | 2.3 | 3.4 | 1.5 | 1.0 | 14.6 | 22.9 | 12.8 |
| 2014_Q4 | | 303.5 | 350.0 | 318.3 | 323.9 | -4.9 | 5.2 | -8.1 | -2.7 | 14.2 | 10.9 | -1.8 | 7.8 |
| 2015_Q1 | | 367.7 | 338.4 | 388.3 | 364.8 | 21.1 | -3.3 | 22.0 | 12.6 | 10.3 | -0.6 | 10.7 | 6.8 |
| 2015_Q2 | | 357.8 | 355.6 | 385.1 | 366.2 | -2.7 | 5.1 | -0.8 | 0.4 | 10.7 | 9.3 | 14.9 | 11.6 |
| 2015_Q3 | | 341.4 | 403.0 | 403.0 | 382.5 | -4.6 | 13.3 | 4.7 | 4.4 | 7.0 | 21.1 | 16.4 | 14.8 |
| 2015_Q4 | | 335.2 | 421.5 | 405.5 | 387.4 | -1.8 | 4.6 | 0.6 | 1.3 | 10.4 | 20.4 | 27.4 | 19.4 |
| 2016_Q1 | | 421.4 | 398.5 | 464.6 | 428.2 | 25.7 | -5.5 | 14.6 | 10.5 | 14.6 | 17.8 | 19.6 | 17.3 |
| 2016_Q2 | | 405.3 | 446.3 | 455.6 | 435.7 | -3.8 | 12.0 | -1.9 | 1.8 | 13.3 | 25.5 | 18.3 | 19.0 |
| 2016_Q3 | | 370.3 | 458.9 | 490.2 | 439.8 | -8.6 | 2.8 | 7.6 | 0.9 | 8.5 | 13.9 | 21.6 | 14.7 |
| 2016_Q4 | | 360.5 | 486.4 | 487.1 | 444.7 | -2.6 | 6.0 | -0.6 | 1.1 | 7.6 | 15.4 | 20.1 | 14.4 |
| 2017_Q1* | | 416.2 | 487.0 | 570.3 | 491.2 | 15.4 | 0.1 | 17.1 | 10.4 | -1.2 | 22.2 | 22.8 | 14.6 |
| 2017_Q2* | | 492.2 | 488.7 | 529.8 | 503.6 | 18.3 | 0.3 | -7.1 | 2.5 | 21.4 | 9.5 | 16.3 | 15.7 |
| 2017_Q3* | | 401.7 | 485.7 | 549.3 | 478.9 | -18.4 | -0.6 | 3.7 | -4.9 | 8.5 | 5.9 | 12.1 | 8.8 |
| 2017_Q4* | | 399.7 | 510.4 | 549.9 | 486.6 | -0.5 | 5.1 | 0.1 | 1.6 | 10.9 | 4.9 | 12.9 | 9.6 |
| 2018_Q1** | | 441.2 | 529.5 | 631.5 | 534.0 | 10.4 | 3.7 | 14.8 | 9.7 | 6.0 | 8.7 | 10.7 | 8.5 |

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| Appendix 7 - Agriculture: Value Added by Activity | | | | | | | |
|--|----------------|--|--------------|------------------|-------------------------------|----------------|--------------------------|
| Year | Quarter | Quarterly Value Added (Ghc Million) | | | | | Total Value Added |
| | | Crops & Cocoa | Cocoa | Livestock | Forestry & Logging | Fishing | |
| 2009_Q1 | | 642.2 | 151.3 | 124.4 | 125.4 | 109.7 | 1,001.7 |
| 2009_Q2 | | 395.5 | 52.6 | 103.0 | 186.9 | 106.2 | 791.5 |
| 2009_Q3 | | 1,666.6 | 108.8 | 93.6 | 188.7 | 125.7 | 2,074.6 |
| 2009_Q4 | | 1,775.1 | 221.8 | 181.1 | 186.5 | 118.6 | 2,261.3 |
| 2010_Q1 | | 633.6 | 204.3 | 122.2 | 174.1 | 83.9 | 1,013.9 |
| 2010_Q2 | | 471.1 | 67.8 | 103.6 | 192.6 | 120.0 | 887.4 |
| 2010_Q3 | | 1,795.3 | 135.0 | 97.1 | 204.8 | 176.1 | 2,273.3 |
| 2010_Q4 | | 1,803.3 | 269.6 | 202.6 | 185.0 | 87.0 | 2,278.0 |
| 2011_Q1 | | 638.6 | 231.1 | 135.7 | 164.8 | 73.5 | 1,012.7 |
| 2011_Q2 | | 504.4 | 77.1 | 137.7 | 165.8 | 95.3 | 903.3 |
| 2011_Q3 | | 1,851.6 | 154.4 | 131.0 | 161.7 | 142.3 | 2,286.8 |
| 2011_Q4 | | 1,882.9 | 308.9 | 147.8 | 158.3 | 115.4 | 2,304.4 |
| 2012_Q1 | | 629.4 | 209.6 | 125.3 | 138.4 | 112.8 | 1,005.9 |
| 2012_Q2 | | 505.0 | 69.8 | 75.1 | 166.0 | 110.9 | 857.0 |
| 2012_Q3 | | 1,885.4 | 139.7 | 67.5 | 178.3 | 131.5 | 2,262.7 |
| 2012_Q4 | | 1,895.6 | 279.4 | 313.2 | 212.2 | 110.3 | 2,531.3 |
| 2013_Q1 | | 807.9 | 215.1 | 128.1 | 200.3 | 110.7 | 1,247.0 |
| 2013_Q2 | | 841.0 | 71.7 | 126.9 | 200.3 | 124.5 | 1,292.7 |
| 2013_Q3 | | 1,540.9 | 143.4 | 120.4 | 174.2 | 143.1 | 1,978.5 |
| 2013_Q4 | | 2,014.6 | 286.8 | 236.5 | 152.0 | 113.5 | 2,516.7 |
| 2014_Q1 | | 687.9 | 224.7 | 140.3 | 195.7 | 122.0 | 1,146.0 |
| 2014_Q2 | | 558.0 | 74.9 | 129.0 | 186.2 | 119.6 | 992.8 |
| 2014_Q3 | | 2,115.0 | 149.6 | 130.0 | 169.5 | 118.2 | 2,532.7 |
| 2014_Q4 | | 2,138.1 | 298.7 | 245.0 | 202.8 | 104.6 | 2,690.5 |
| 2015_Q1 | | 697.3 | 206.5 | 145.4 | 179.4 | 128.4 | 1,150.5 |
| 2015_Q2 | | 578.8 | 68.8 | 134.8 | 191.0 | 124.9 | 1,029.4 |
| 2015_Q3 | | 2,189.1 | 137.7 | 137.3 | 196.8 | 120.6 | 2,643.7 |
| 2015_Q4 | | 2,174.0 | 275.4 | 260.9 | 197.9 | 110.5 | 2,743.3 |
| 2016_Q1 | | 719.8 | 192.0 | 153.6 | 197.8 | 136.7 | 1,207.8 |
| 2016_Q2 | | 598.9 | 64.0 | 142.5 | 196.8 | 131.6 | 1,069.8 |
| 2016_Q3 | | 2,250.3 | 128.0 | 144.9 | 196.3 | 126.7 | 2,718.1 |
| 2016_Q4 | | 2,210.6 | 256.1 | 273.4 | 193.4 | 116.9 | 2,794.4 |
| 2017_Q1* | | 796.2 | 225.7 | 161.9 | 204.1 | 147.2 | 1,309.4 |
| 2017_Q2* | | 655.7 | 75.1 | 150.0 | 197.6 | 111.5 | 1,114.9 |
| 2017_Q3* | | 2,443.5 | 150.1 | 154.6 | 195.5 | 190.7 | 2,984.4 |
| 2017_Q4* | | 2,425.1 | 300.0 | 286.1 | 199.3 | 122.1 | 3,032.6 |
| 2018_Q1** | | 832.7 | 236.5 | 170.7 | 207.4 | 135.3 | 1,346.2 |

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Appendix 8 - Agriculture: Value Added by Activity (Quarter-on-Quarter Change)

| Year | Quarter | Quarter-on-Quarter Change (%) | | | | | Total Value Added |
|-----------|---------|-------------------------------|-------------------|-----------|--------------------|---------|-------------------|
| | | Crops & Cocoa | <i>o.w. Cocoa</i> | Livestock | Forestry & Logging | Fishing | |
| 2009_Q1 | | -59.0 | -26.4 | -22.8 | -31.4 | -12.5 | -50.8 |
| 2009_Q2 | | -38.4 | -65.2 | -17.2 | 49.1 | -3.2 | -21.0 |
| 2009_Q3 | | 321.4 | 106.8 | -9.1 | 1.0 | 18.4 | 162.1 |
| 2009_Q4 | | 6.5 | 103.9 | 93.6 | -1.1 | -5.7 | 9.0 |
| 2010_Q1 | | -64.3 | -7.9 | -32.5 | -6.6 | -29.2 | -55.2 |
| 2010_Q2 | | -25.6 | -66.8 | -15.3 | 10.6 | 43.0 | -12.5 |
| 2010_Q3 | | 281.1 | 99.3 | -6.3 | 6.3 | 46.7 | 156.2 |
| 2010_Q4 | | 0.4 | 99.6 | 108.7 | -9.6 | -50.6 | 0.2 |
| 2011_Q1 | | -64.6 | -14.3 | -33.0 | -10.9 | -15.5 | -55.5 |
| 2011_Q2 | | -21.0 | -66.6 | 1.5 | 0.6 | 29.6 | -10.8 |
| 2011_Q3 | | 267.1 | 100.2 | -4.8 | -2.5 | 49.3 | 153.2 |
| 2011_Q4 | | 1.7 | 100.1 | 12.8 | -2.2 | -19.0 | 0.8 |
| 2012_Q1 | | -66.6 | -32.1 | -15.2 | -12.6 | -2.2 | -56.3 |
| 2012_Q2 | | -19.8 | -66.7 | -40.1 | 20.0 | -1.7 | -14.8 |
| 2012_Q3 | | 273.4 | 100.0 | -10.1 | 7.4 | 18.6 | 164.0 |
| 2012_Q4 | | 0.5 | 100.1 | 363.9 | 19.0 | -16.2 | 11.9 |
| 2013_Q1 | | -57.4 | -23.0 | -59.1 | -5.6 | 0.4 | -50.7 |
| 2013_Q2 | | 4.1 | -66.7 | -0.9 | 0.0 | 12.5 | 3.7 |
| 2013_Q3 | | 83.2 | 100.0 | -5.2 | -13.0 | 14.9 | 53.0 |
| 2013_Q4 | | 30.7 | 100.0 | 96.5 | -12.7 | -20.7 | 27.2 |
| 2014_Q1 | | -65.9 | -21.6 | -40.7 | 28.7 | 7.5 | -54.5 |
| 2014_Q2 | | -18.9 | -66.7 | -8.0 | -4.9 | -2.0 | -13.4 |
| 2014_Q3 | | 279.0 | 99.8 | 0.8 | -9.0 | -1.2 | 155.1 |
| 2014_Q4 | | 1.1 | 99.6 | 88.4 | 19.7 | -11.5 | 6.2 |
| 2015_Q1 | | -67.4 | -30.9 | -40.7 | -11.5 | 22.8 | -57.2 |
| 2015_Q2 | | -17.0 | -66.7 | -7.3 | 6.5 | -2.7 | -10.5 |
| 2015_Q3 | | 278.2 | 100.0 | 1.9 | 3.0 | -3.4 | 156.8 |
| 2015_Q4 | | -0.7 | 100.0 | 90.1 | 0.6 | -8.4 | 3.8 |
| 2016_Q1 | | -66.9 | -30.3 | -41.1 | -0.1 | 23.7 | -56.0 |
| 2016_Q2 | | -16.8 | -66.7 | -7.2 | -0.5 | -3.8 | -11.4 |
| 2016_Q3 | | 275.8 | 100.0 | 1.6 | -0.3 | -3.7 | 154.1 |
| 2016_Q4 | | -1.8 | 100.0 | 88.7 | -1.4 | -7.7 | 2.8 |
| 2017_Q1* | | -64.0 | -11.9 | -40.8 | 5.5 | 25.9 | -53.1 |
| 2017_Q2* | | -17.6 | -66.7 | -7.4 | -3.2 | -24.2 | -14.9 |
| 2017_Q3* | | 272.6 | 99.8 | 3.0 | -1.0 | 71.0 | 167.7 |
| 2017_Q4* | | -0.8 | 99.9 | 85.1 | 1.9 | -36.0 | 1.6 |
| 2018_Q1** | | -65.7 | -21.2 | -40.3 | 4.1 | 10.8 | -55.6 |

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| Appendix 9 - Agriculture: Value Added by Activity (Year-on-Year Change) | | | | | | | |
|--|----------------|--------------------------------|--------------|------------------|-------------------------------|----------------|--------------------------|
| Year | Quarter | Year-on-Year Change (%) | | | | | Total Value Added |
| | | Crops & Cocoa | Cocoa | Livestock | Forestry & Logging | Fishing | |
| 2009_Q1 | | 5.5 | -1.0 | -4.6 | -2.0 | 19.9 | 4.5 |
| 2009_Q2 | | 5.5 | 4.6 | 2.2 | 0.6 | -9.4 | 1.6 |
| 2009_Q3 | | 10.1 | 8.3 | 5.3 | 1.4 | -18.3 | 6.8 |
| 2009_Q4 | | 13.3 | 7.9 | 12.5 | 2.1 | -5.4 | 11.1 |
| 2010_Q1 | | -1.3 | 35.0 | -1.8 | 38.9 | -23.5 | 1.2 |
| 2010_Q2 | | 19.1 | 28.9 | 0.6 | 3.1 | 13.0 | 12.1 |
| 2010_Q3 | | 7.7 | 24.1 | 3.7 | 8.6 | 40.0 | 9.6 |
| 2010_Q4 | | 1.6 | 21.5 | 11.9 | -0.8 | -26.6 | 0.7 |
| 2011_Q1 | | 0.8 | 13.1 | 11.0 | -5.3 | -12.4 | -0.1 |
| 2011_Q2 | | 7.1 | 13.8 | 33.0 | -13.9 | -20.6 | 1.8 |
| 2011_Q3 | | 3.1 | 14.3 | 35.0 | -21.0 | -19.2 | 0.6 |
| 2011_Q4 | | 4.4 | 14.6 | -27.1 | -14.5 | 32.6 | 1.2 |
| 2012_Q1 | | -1.4 | -9.3 | -7.6 | -16.0 | 53.4 | -0.7 |
| 2012_Q2 | | 0.1 | -9.4 | -45.5 | 0.1 | 16.3 | -5.1 |
| 2012_Q3 | | 1.8 | -9.5 | -48.5 | 10.2 | -7.6 | -1.1 |
| 2012_Q4 | | 0.7 | -9.5 | 111.9 | 34.1 | -4.4 | 9.8 |
| 2013_Q1 | | 28.4 | 2.6 | 2.2 | 44.8 | -1.9 | 24.0 |
| 2013_Q2 | | 66.6 | 2.7 | 69.0 | 20.6 | 12.3 | 50.8 |
| 2013_Q3 | | -18.3 | 2.7 | 78.3 | -2.3 | 8.8 | -12.6 |
| 2013_Q4 | | 6.3 | 2.6 | -24.5 | -28.3 | 3.0 | -0.6 |
| 2014_Q1 | | -14.9 | 4.5 | 9.5 | -2.3 | 10.3 | -8.1 |
| 2014_Q2 | | -33.6 | 4.5 | 1.6 | -7.0 | -4.0 | -23.2 |
| 2014_Q3 | | 37.3 | 4.4 | 8.0 | -2.7 | -17.4 | 28.0 |
| 2014_Q4 | | 6.1 | 4.1 | 3.6 | 33.4 | -7.8 | 6.9 |
| 2015_Q1 | | 1.4 | -8.1 | 3.6 | -8.3 | 5.2 | 0.4 |
| 2015_Q2 | | 3.7 | -8.1 | 4.5 | 2.6 | 4.4 | 3.7 |
| 2015_Q3 | | 3.5 | -8.0 | 5.6 | 16.1 | 2.0 | 4.4 |
| 2015_Q4 | | 1.7 | -7.8 | 6.5 | -2.4 | 5.6 | 2.0 |
| 2016_Q1 | | 3.2 | -7.0 | 5.6 | 10.3 | 6.5 | 5.0 |
| 2016_Q2 | | 3.5 | -7.0 | 5.8 | 3.1 | 5.3 | 3.9 |
| 2016_Q3 | | 2.8 | -7.0 | 5.6 | -0.3 | 5.1 | 2.8 |
| 2016_Q4 | | 1.7 | -7.0 | 4.8 | -2.3 | 5.8 | 1.9 |
| 2017_Q1* | | 10.6 | 17.5 | 5.5 | 3.2 | 7.7 | 8.4 |
| 2017_Q2* | | 9.5 | 17.4 | 5.3 | 0.4 | -15.2 | 4.2 |
| 2017_Q3* | | 8.6 | 17.2 | 6.7 | -0.4 | 50.6 | 9.8 |
| 2017_Q4* | | 9.7 | 17.2 | 4.6 | 3.0 | 4.4 | 8.5 |
| 2018_Q1** | | 4.6 | 4.8 | 5.4 | 1.6 | -8.1 | 2.8 |

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Appendix 10 - Industry: Value Added by Activity

| Year Quarter | Quarterly Value Added (GHc Million) | | | | | | |
|-----------------|-------------------------------------|-----------|---------------|-------------|---------------------|--------------|----------------------|
| | Mining and Quarrying | Oil & Gas | Manufacturing | Electricity | Water & Sewerage | Construction | Total Value Added |
| 2009_Q1 | 137.0 | | 453.3 | 38.5 | 61.4 | 483.2 | 1,173.3 |
| 2009_Q2 | 146.4 | | 460.4 | 38.1 | 58.8 | 480.5 | 1,184.3 |
| 2009_Q3 | 149.8 | | 451.3 | 34.4 | 62.1 | 473.4 | 1,170.9 |
| 2009_Q4 | 147.9 | | 478.6 | 40.7 | 64.1 | 464.8 | 1,196.2 |
| 2010_Q1 | 121.7 | | 549.8 | 43.9 | 62.7 | 497.5 | 1,275.5 |
| 2010_Q2 | 138.0 | | 474.1 | 45.5 | 64.7 | 507.0 | 1,229.4 |
| 2010_Q3 | 187.7 | | 464.1 | 40.9 | 66.1 | 470.4 | 1,229.2 |
| 2010_Q4 | 242.9 | 64.6 | 495.7 | 39.9 | 65.9 | 474.5 | 1,318.9 |
| 2011_Q1 | 372.0 | 239.9 | 461.3 | 41.4 | 65.4 | 579.8 | 1,519.9 |
| 2011_Q2 | 533.1 | 331.9 | 585.2 | 42.5 | 67.9 | 523.5 | 1,752.1 |
| 2011_Q3 | 605.6 | 396.8 | 581.0 | 40.1 | 67.0 | 604.5 | 1,898.2 |
| 2011_Q4 | 604.9 | 403.5 | 693.4 | 44.9 | 66.7 | 577.0 | 1,987.0 |
| 2012_Q1 | 583.5 | 377.4 | 603.6 | 47.1 | 66.9 | 655.6 | 1,956.7 |
| 2012_Q2 | 565.2 | 349.2 | 606.7 | 46.8 | 67.9 | 642.8 | 1,929.3 |
| 2012_Q3 | 633.0 | 447.4 | 582.9 | 44.0 | 69.1 | 699.3 | 2,028.3 |
| 2012_Q4 | 680.2 | 494.5 | 573.1 | 49.8 | 69.0 | 661.1 | 2,033.1 |
| 2013_Q1 | 704.3 | 511.6 | 587.4 | 52.7 | 64.3 | 709.2 | 2,117.9 |
| 2013_Q2 | 728.4 | 538.3 | 634.9 | 53.8 | 66.5 | 766.1 | 2,249.6 |
| 2013_Q3 | 630.4 | 456.2 | 593.7 | 53.8 | 69.3 | 716.5 | 2,063.6 |
| 2013_Q4 | 683.9 | 462.9 | 538.6 | 58.0 | 68.5 | 695.3 | 2,044.2 |
| 2014_Q1 | 681.3 | 498.2 | 542.1 | 50.4 | 67.8 | 739.2 | 2,080.8 |
| 2014_Q2 | 778.3 | 555.1 | 594.2 | 61.3 | 70.6 | 756.0 | 2,260.4 |
| 2014_Q3 | 706.9 | 533.7 | 603.5 | 54.6 | 66.7 | 727.0 | 2,158.7 |
| 2014_Q4 | 667.4 | 470.5 | 595.5 | 52.6 | 60.5 | 665.8 | 2,041.9 |
| 2015_Q1 | 634.6 | 512.1 | 556.2 | 46.6 | 78.5 | 756.8 | 2,072.6 |
| 2015_Q2 | 710.1 | 540.2 | 589.6 | 49.3 | 80.4 | 801.1 | 2,230.4 |
| 2015_Q3 | 643.8 | 485.3 | 625.2 | 47.1 | 84.2 | 723.2 | 2,123.5 |
| 2015_Q4 | 672.0 | 539.0 | 616.1 | 53.6 | 75.6 | 669.1 | 2,086.4 |
| 2016_Q1 | 554.6 | 394.3 | 590.2 | 54.0 | 80.4 | 832.1 | 2,111.3 |
| 2016_Q2 | 426.8 | 220.6 | 629.5 | 59.1 | 74.0 | 790.7 | 1,980.2 |
| 2016_Q3 | 708.7 | 505.5 | 623.0 | 48.9 | 76.4 | 740.2 | 2,197.3 |
| 2016_Q4 | 767.6 | 604.5 | 609.1 | 57.5 | 77.5 | 674.0 | 2,185.8 |
| 2017_Q1* | 731.4 | 626.8 | 619.0 | 55.2 | 81.1 | 874.7 | 2,361.4 |
| 2017_Q2* | 769.4 | 661.0 | 668.4 | 63.7 | 83.0 | 799.4 | 2,384.0 |
| 2017_Q3* | 1,000.7 | 870.2 | 638.9 | 55.4 | 85.0 | 793.6 | 2,573.6 |
| 2017_Q4* | 1,104.8 | 954.4 | 617.1 | 59.1 | 80.2 | 707.5 | 2,568.8 |
| 2018_Q1** | 936.3 | 782.4 | 638.4 | 56.6 | 88.6 | 867.5 | 2,587.3 |

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| Appendix 11 - Industry: Value Added by Activity (Quarter-on-Quarter Change) | | | | | | |
|---|-------------------------------|---------------|-------------|---------------------|--------------|----------------------|
| Year Quarter | Quarter-on-Quarter Change (%) | | | | | |
| | Mining and Quarrying | Manufacturing | Electricity | Water & Sewerage | Construction | Total Value Added |
| 2009_Q1 | -0.7 | -7.1 | -2.4 | 3.8 | 13.1 | 1.9 |
| 2009_Q2 | 6.9 | 1.6 | -0.9 | -4.1 | -0.6 | 0.9 |
| 2009_Q3 | 2.3 | -2.0 | -9.9 | 5.5 | -1.5 | -1.1 |
| 2009_Q4 | -1.3 | 6.1 | 18.5 | 3.3 | -1.8 | 2.2 |
| 2010_Q1 | -17.8 | 14.9 | 7.9 | -2.3 | 7.0 | 6.6 |
| 2010_Q2 | 13.4 | -13.8 | 3.6 | 3.3 | 1.9 | -3.6 |
| 2010_Q3 | 36.0 | -2.1 | -10.2 | 2.2 | -7.2 | 0.0 |
| 2010_Q4 | 29.4 | 6.8 | -2.4 | -0.4 | 0.9 | 7.3 |
| 2011_Q1 | 53.2 | -6.9 | 3.7 | -0.7 | 22.2 | 15.2 |
| 2011_Q2 | 43.3 | 26.9 | 2.6 | 3.7 | -9.7 | 15.3 |
| 2011_Q3 | 13.6 | -0.7 | -5.7 | -1.3 | 15.5 | 8.3 |
| 2011_Q4 | -0.1 | 19.4 | 12.2 | -0.4 | -4.6 | 4.7 |
| 2012_Q1 | -3.5 | -13.0 | 4.8 | 0.3 | 13.6 | -1.5 |
| 2012_Q2 | -3.1 | 0.5 | -0.7 | 1.5 | -2.0 | -1.4 |
| 2012_Q3 | 12.0 | -3.9 | -6.0 | 1.8 | 8.8 | 5.1 |
| 2012_Q4 | 7.5 | -1.7 | 13.3 | -0.2 | -5.5 | 0.2 |
| 2013_Q1 | 3.5 | 2.5 | 5.9 | -6.8 | 7.3 | 4.2 |
| 2013_Q2 | 3.4 | 8.1 | 2.0 | 3.5 | 8.0 | 6.2 |
| 2013_Q3 | -13.5 | -6.5 | -0.1 | 4.1 | -6.5 | -8.3 |
| 2013_Q4 | 8.5 | -9.3 | 7.9 | -1.2 | -3.0 | -0.9 |
| 2014_Q1 | -0.4 | 0.6 | -13.1 | -1.0 | 6.3 | 1.8 |
| 2014_Q2 | 14.2 | 9.6 | 21.6 | 4.1 | 2.3 | 8.6 |
| 2014_Q3 | -9.2 | 1.6 | -10.8 | -5.5 | -3.8 | -4.5 |
| 2014_Q4 | -5.6 | -1.3 | -3.7 | -9.3 | -8.4 | -5.4 |
| 2015_Q1 | -4.9 | -6.6 | -11.5 | 29.8 | 13.7 | 1.5 |
| 2015_Q2 | 11.9 | 6.0 | 5.8 | 2.3 | 5.9 | 7.6 |
| 2015_Q3 | -9.3 | 6.0 | -4.5 | 4.8 | -9.7 | -4.8 |
| 2015_Q4 | 4.4 | -1.5 | 13.9 | -10.3 | -7.5 | -1.7 |
| 2016_Q1 | -17.5 | -4.2 | 0.7 | 6.4 | 24.3 | 1.2 |
| 2016_Q2 | -23.0 | 6.7 | 9.3 | -8.0 | -5.0 | -6.2 |
| 2016_Q3 | 66.1 | -1.0 | -17.1 | 3.3 | -6.4 | 11.0 |
| 2016_Q4 | 8.3 | -2.2 | 17.5 | 1.4 | -8.9 | -0.5 |
| 2017_Q1* | -4.7 | 1.6 | -4.0 | 4.6 | 29.8 | 8.0 |
| 2017_Q2* | 5.2 | 8.0 | 15.4 | 2.4 | -8.6 | 1.0 |
| 2017_Q3* | 30.1 | -4.4 | -13.0 | 2.4 | -0.7 | 8.0 |
| 2017_Q4* | 10.4 | -3.4 | 6.7 | -5.7 | -10.8 | -0.2 |
| 2018_Q1** | -15.2 | 3.4 | -4.3 | 10.4 | 22.6 | 0.7 |

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| Appendix 12 - Industry: Value Added by Activity (Year-on-Year Change) | | | | | | | | |
|---|---------|-------------------------|-----------|---------------|-------------|------------------|-------------------|--------------|
| Year | Quarter | Year-on-Year Change (%) | | | | | Total Value Added | |
| | | Mining and Quarrying | Oil & Gas | Manufacturing | Electricity | Water & Sewerage | | Construction |
| 2009_Q1 | | 5.5 | | -4.7 | 15.2 | 5.9 | 11.3 | 3.8 |
| 2009_Q2 | | 5.9 | | 2.7 | 8.1 | 5.5 | 7.4 | 5.3 |
| 2009_Q3 | | 8.3 | | -1.1 | 4.3 | 10.7 | 9.9 | 5.1 |
| 2009_Q4 | | 7.3 | | -1.9 | 3.1 | 8.5 | 8.8 | 3.9 |
| 2010_Q1 | | -11.2 | | 21.3 | 14.1 | 2.1 | 3.0 | 8.7 |
| 2010_Q2 | | -5.8 | | 3.0 | 19.4 | 10.0 | 5.5 | 3.8 |
| 2010_Q3 | | 25.3 | | 2.8 | 19.1 | 6.5 | -0.6 | 5.0 |
| 2010_Q4 | | 64.2 | | 3.6 | -1.9 | 2.7 | 2.1 | 10.3 |
| 2011_Q1 | | 205.7 | | -16.1 | -5.8 | 4.4 | 16.5 | 19.2 |
| 2011_Q2 | | 286.3 | | 23.4 | -6.6 | 4.8 | 3.2 | 42.5 |
| 2011_Q3 | | 222.7 | | 25.2 | -2.1 | 1.3 | 28.5 | 54.4 |
| 2011_Q4 | | 149.1 | 524.5 | 39.9 | 12.6 | 1.3 | 21.6 | 50.7 |
| 2012_Q1 | | 56.9 | 57.3 | 30.8 | 13.7 | 2.3 | 13.1 | 28.7 |
| 2012_Q2 | | 6.0 | 5.2 | 3.7 | 10.1 | 0.1 | 22.8 | 10.1 |
| 2012_Q3 | | 4.5 | 12.8 | 0.3 | 9.8 | 3.1 | 15.7 | 6.9 |
| 2012_Q4 | | 12.4 | 22.6 | -17.4 | 10.8 | 3.4 | 14.6 | 2.3 |
| 2013_Q1 | | 20.7 | 35.6 | -2.7 | 12.0 | -3.9 | 8.2 | 8.2 |
| 2013_Q2 | | 28.9 | 54.1 | 4.6 | 15.0 | -2.0 | 19.2 | 16.6 |
| 2013_Q3 | | -0.4 | 2.0 | 1.8 | 22.2 | 0.3 | 2.5 | 1.7 |
| 2013_Q4 | | 0.6 | -6.4 | -6.0 | 16.5 | -0.8 | 5.2 | 0.5 |
| 2014_Q1 | | -3.3 | -2.6 | -7.7 | -4.4 | 5.5 | 4.2 | -1.8 |
| 2014_Q2 | | 6.9 | 3.1 | -6.4 | 14.0 | 6.1 | -1.3 | 0.5 |
| 2014_Q3 | | 12.1 | 17.0 | 1.7 | 1.7 | -3.7 | 1.5 | 4.6 |
| 2014_Q4 | | -2.4 | 1.6 | 10.6 | -9.3 | -11.6 | -4.2 | -0.1 |
| 2015_Q1 | | -6.9 | 2.8 | 2.6 | -7.6 | 15.8 | 2.4 | -0.4 |
| 2015_Q2 | | -8.8 | -2.7 | -0.8 | -19.6 | 13.8 | 6.0 | -1.3 |
| 2015_Q3 | | -8.9 | -9.1 | 3.6 | -13.8 | 26.2 | -0.5 | -1.6 |
| 2015_Q4 | | 0.7 | 14.6 | 3.5 | 2.0 | 24.9 | 0.5 | 2.2 |
| 2016_Q1 | | -12.6 | -23.0 | 6.1 | 16.0 | 2.4 | 9.9 | 1.9 |
| 2016_Q2 | | -39.9 | -59.2 | 6.8 | 19.8 | -7.9 | -1.3 | -11.2 |
| 2016_Q3 | | 10.1 | 4.2 | -0.3 | 3.9 | -9.2 | 2.3 | 3.5 |
| 2016_Q4 | | 14.2 | 12.2 | -1.1 | 7.2 | 2.6 | 0.7 | 4.8 |
| 2017_Q1* | | 31.9 | 58.9 | 4.9 | 2.2 | 0.8 | 5.1 | 11.8 |
| 2017_Q2* | | 80.3 | 199.7 | 6.2 | 7.9 | 12.2 | 1.1 | 20.4 |
| 2017_Q3* | | 41.2 | 72.1 | 2.5 | 13.2 | 11.2 | 7.2 | 17.1 |
| 2017_Q4* | | 43.9 | 57.9 | 1.3 | 2.8 | 3.5 | 5.0 | 17.5 |
| 2018_Q1** | | 28.0 | 24.8 | 3.1 | 2.4 | 9.2 | -0.8 | 9.6 |

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| Appendix 13 - Service: Value Added by Activity | | | | | | | | | | | |
|--|--|------------------------|---------------------|-----------------------------|----------------------------------|---|-----------------------|-----------|----------------------|-----------------------------------|-------------------|
| Year Quarter | Quarterly Value Added (Ghc Million) | | | | | | | | | | Total Value Added |
| | Trade, Repair of Vehicles, Household Goods | Hotels And Restaurants | Transport & Storage | Information & Communication | Financial & Insurance Activities | Business, Real Estate & other Services Activities | Public Administration | Education | Health & Social Work | Other Personal Service Activities | |
| 2009_Q1 | 341.6 | 257.1 | 747.5 | 148.0 | 147.3 | 256.0 | 292.0 | 218.7 | 75.3 | 170.3 | 2,653.8 |
| 2009_Q2 | 338.1 | 248.4 | 655.1 | 148.4 | 156.5 | 238.8 | 301.8 | 228.3 | 76.8 | 265.0 | 2,657.1 |
| 2009_Q3 | 338.6 | 239.2 | 708.3 | 153.4 | 129.7 | 224.0 | 305.9 | 232.7 | 78.1 | 226.7 | 2,636.5 |
| 2009_Q4 | 369.6 | 217.3 | 679.3 | 174.4 | 244.4 | 225.9 | 308.6 | 235.2 | 81.7 | 183.2 | 2,719.4 |
| 2010_Q1 | 391.8 | 268.6 | 849.9 | 190.5 | 189.9 | 271.9 | 297.5 | 230.9 | 84.0 | 290.0 | 3,064.8 |
| 2010_Q2 | 394.6 | 232.4 | 711.8 | 175.1 | 116.7 | 278.8 | 311.0 | 234.1 | 85.1 | 231.3 | 2,771.0 |
| 2010_Q3 | 400.7 | 263.9 | 706.3 | 194.5 | 247.6 | 259.3 | 319.0 | 245.5 | 87.9 | 222.0 | 2,946.7 |
| 2010_Q4 | 386.1 | 223.0 | 746.3 | 216.8 | 237.3 | 266.1 | 321.5 | 252.7 | 89.9 | 192.1 | 2,931.9 |
| 2011_Q1 | 501.2 | 254.1 | 841.1 | 253.5 | 191.6 | 348.8 | 338.2 | 240.6 | 91.1 | 181.1 | 3,241.4 |
| 2011_Q2 | 425.8 | 243.9 | 850.5 | 243.3 | 212.6 | 231.2 | 335.5 | 245.0 | 88.0 | 230.0 | 3,105.8 |
| 2011_Q3 | 387.9 | 241.4 | 841.6 | 233.8 | 182.0 | 303.1 | 334.0 | 252.1 | 90.3 | 332.4 | 3,198.6 |
| 2011_Q4 | 430.8 | 283.9 | 812.8 | 178.4 | 213.2 | 344.1 | 333.7 | 262.1 | 94.9 | 313.3 | 3,266.9 |
| 2012_Q1 | 440.2 | 274.2 | 1,773.3 | 282.6 | 219.7 | 351.8 | 345.6 | 266.0 | 97.1 | 334.4 | 4,384.9 |
| 2012_Q2 | 514.2 | 290.9 | 994.9 | 310.1 | 223.6 | 381.2 | 357.8 | 263.8 | 100.7 | 282.6 | 3,719.6 |
| 2012_Q3 | 463.9 | 290.6 | 442.9 | 319.7 | 242.8 | 357.5 | 355.2 | 263.2 | 100.2 | 244.1 | 3,080.1 |
| 2012_Q4 | 525.3 | 226.3 | 442.4 | 373.7 | 288.6 | 361.5 | 338.5 | 273.8 | 106.1 | 239.9 | 3,176.2 |
| 2013_Q1 | 591.5 | 327.5 | 997.5 | 370.1 | 289.7 | 345.2 | 386.2 | 280.4 | 96.8 | 417.2 | 4,102.0 |
| 2013_Q2 | 549.4 | 327.1 | 973.8 | 348.3 | 273.5 | 284.6 | 391.7 | 279.1 | 106.5 | 372.5 | 3,906.2 |
| 2013_Q3 | 524.5 | 338.5 | 879.6 | 436.9 | 304.8 | 282.8 | 369.7 | 281.3 | 115.7 | 328.8 | 3,862.7 |
| 2013_Q4 | 559.3 | 354.8 | 784.1 | 443.4 | 333.1 | 285.4 | 366.8 | 299.2 | 116.6 | 384.5 | 3,927.2 |
| 2014_Q1 | 492.1 | 336.6 | 857.3 | 491.1 | 281.9 | 306.8 | 356.3 | 295.3 | 110.7 | 349.1 | 3,877.1 |
| 2014_Q2 | 587.9 | 346.9 | 1,001.9 | 508.6 | 417.1 | 268.8 | 361.5 | 306.3 | 110.1 | 390.7 | 4,299.8 |
| 2014_Q3 | 592.5 | 352.3 | 821.7 | 571.6 | 416.7 | 303.4 | 361.1 | 305.1 | 102.6 | 385.7 | 4,212.6 |
| 2014_Q4 | 588.6 | 295.6 | 964.7 | 641.7 | 359.8 | 301.0 | 364.7 | 314.3 | 104.6 | 353.5 | 4,288.5 |
| 2015_Q1 | 534.4 | 347.2 | 885.4 | 619.9 | 315.4 | 291.6 | 332.7 | 321.6 | 123.9 | 363.8 | 4,135.9 |
| 2015_Q2 | 652.2 | 327.2 | 1014.1 | 634.5 | 407.7 | 333.6 | 349.5 | 328.1 | 128.6 | 399.1 | 4,574.6 |
| 2015_Q3 | 645.8 | 362.2 | 872.9 | 686.4 | 393.6 | 328.6 | 397.3 | 320.0 | 119.1 | 321.3 | 4,447.3 |
| 2015_Q4 | 648.1 | 315.7 | 981.6 | 749.3 | 410.0 | 316.7 | 384.5 | 347.3 | 123.3 | 299.6 | 4,576.0 |
| 2016_Q1 | 553.7 | 355.8 | 924.9 | 730.5 | 330.8 | 297.3 | 336.8 | 351.0 | 164.4 | 362.8 | 4,407.9 |
| 2016_Q2 | 668.8 | 334.3 | 1026.7 | 818.4 | 420.6 | 342.4 | 354.6 | 371.4 | 144.0 | 347.2 | 4,828.4 |
| 2016_Q3 | 661.2 | 349.6 | 878.5 | 833.0 | 407.0 | 333.2 | 399.8 | 342.2 | 135.5 | 306.2 | 4,646.3 |
| 2016_Q4 | 672.9 | 324.1 | 1007.7 | 893.1 | 423.8 | 346.1 | 404.7 | 362.1 | 134.3 | 295.4 | 4,864.2 |
| 2017_Q1* | 584.2 | 353.7 | 949.4 | 828.6 | 352.1 | 300.9 | 322.6 | 368.3 | 140.0 | 355.3 | 4,555.1 |
| 2017_Q2* | 690.1 | 339.1 | 1039.8 | 945.2 | 412.7 | 365.9 | 391.3 | 393.2 | 175.4 | 314.9 | 5,067.5 |
| 2017_Q3* | 670.6 | 354.4 | 889.3 | 930.8 | 393.7 | 363.2 | 415.7 | 396.9 | 179.1 | 306.5 | 4,900.0 |
| 2017_Q4* | 683.3 | 332.1 | 975.0 | 1002.5 | 431.3 | 357.6 | 388.4 | 409.5 | 166.9 | 284.7 | 5,031.2 |
| 2018_Q1** | 601.0 | 352.2 | 933.3 | 1043.0 | 324.3 | 324.0 | 332.7 | 378.7 | 153.6 | 349.3 | 4,792.2 |

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Appendix 14- Services: Value Added by Activity (Quarter-on-Quarter Change)

| Year | Quarter | Quarter-on-Quarter Growth in Value Added (%) | | | | | | | | | | |
|-----------|---------|--|------------------------|---------------------|-----------------------------|----------------------------------|---|-----------------------|-----------|----------------------|---|-------------------|
| | | Trade; Repair Of Vehicles, Household Goods | Hotels And Restaurants | Transport & Storage | Information & Communication | Financial & Insurance Activities | Real Estate, Professional, Administrative & other Services Activities | Public Administration | Education | Health & Social Work | Community, Social & Personal Service Activities | Total Value Added |
| 2009_Q1 | | 0.7 | 15.3 | 18.4 | -5.0 | -11.5 | 10.7 | 2.5 | 4.1 | 3.0 | -7.8 | 6.2 |
| 2009_Q2 | | -1.0 | -3.4 | -12.4 | 0.3 | 6.2 | -6.7 | 3.3 | 4.4 | 2.1 | 55.6 | 0.1 |
| 2009_Q3 | | 0.2 | -3.7 | 8.1 | 3.3 | -17.1 | -6.2 | 1.4 | 1.9 | 1.6 | -14.5 | -0.8 |
| 2009_Q4 | | 9.1 | -9.2 | -4.1 | 13.7 | 88.4 | 0.8 | 0.9 | 1.1 | 4.7 | -19.2 | 3.1 |
| 2010_Q1 | | 6.0 | 23.6 | 25.1 | 9.2 | -22.3 | 20.4 | -3.6 | -1.9 | 2.8 | 58.3 | 12.7 |
| 2010_Q2 | | 0.7 | -13.5 | -16.2 | -8.1 | -38.5 | 2.5 | 4.5 | 1.4 | 1.4 | -20.2 | -9.6 |
| 2010_Q3 | | 1.5 | 13.6 | -0.8 | 11.1 | 112.1 | -7.0 | 2.6 | 4.9 | 3.3 | -4.0 | 6.3 |
| 2010_Q4 | | -3.6 | -15.5 | 5.7 | 11.5 | -4.2 | 2.6 | 0.8 | 2.9 | 2.3 | -13.5 | -0.5 |
| 2011_Q1 | | 29.8 | 14.0 | 12.7 | 16.9 | -19.2 | 31.1 | 5.2 | -4.8 | 1.2 | -5.7 | 10.6 |
| 2011_Q2 | | -15.0 | -4.0 | 1.1 | -4.0 | 10.9 | -33.7 | -0.8 | 1.8 | -3.4 | 27.0 | -4.2 |
| 2011_Q3 | | -8.9 | -1.0 | -1.1 | -3.9 | -14.4 | 31.1 | -0.5 | 2.9 | 2.6 | 44.5 | 3.0 |
| 2011_Q4 | | 11.0 | 17.6 | -3.4 | -23.7 | 17.1 | 13.5 | -0.1 | 3.9 | 5.2 | -5.8 | 2.1 |
| 2012_Q1 | | 2.2 | -3.4 | 118.2 | 58.5 | 3.1 | 2.2 | 3.6 | 1.5 | 2.3 | 6.7 | 34.2 |
| 2012_Q2 | | 16.8 | 6.1 | -43.9 | 9.7 | 1.7 | 8.4 | 3.5 | -0.8 | 3.7 | -15.5 | -15.2 |
| 2012_Q3 | | -9.8 | -0.1 | -55.5 | 3.1 | 8.6 | -6.2 | -0.7 | -0.2 | -0.5 | -13.6 | -17.2 |
| 2012_Q4 | | 13.3 | -22.1 | -0.1 | 16.9 | 18.9 | 1.1 | -4.7 | 4.0 | 5.8 | -1.7 | 3.1 |
| 2013_Q1 | | 12.6 | 44.7 | 125.4 | -1.0 | 0.4 | -4.5 | 14.1 | 2.4 | -8.8 | 73.9 | 29.1 |
| 2013_Q2 | | -7.1 | -0.1 | -2.4 | -5.9 | -5.6 | -17.6 | 1.4 | -0.5 | 10.0 | -10.7 | -4.8 |
| 2013_Q3 | | -4.5 | 3.5 | -9.7 | 25.5 | 11.5 | -0.6 | -5.6 | 0.8 | 8.7 | -11.7 | -1.1 |
| 2013_Q4 | | 6.6 | 4.8 | -10.9 | 1.5 | 9.3 | 1.0 | -0.8 | 6.4 | 0.7 | 16.9 | 1.7 |
| 2014_Q1 | | -12.0 | -5.1 | 9.3 | 10.8 | -15.4 | 7.5 | -2.9 | -1.3 | -5.0 | -9.2 | -1.3 |
| 2014_Q2 | | 19.5 | 3.1 | 16.9 | 3.6 | 47.9 | -12.4 | 1.4 | 3.7 | -0.6 | 11.9 | 10.9 |
| 2014_Q3 | | 0.8 | 1.6 | -18.0 | 12.4 | -0.1 | 12.9 | -0.1 | -0.4 | -6.8 | -1.3 | -2.0 |
| 2014_Q4 | | -0.7 | -16.1 | 17.4 | 12.3 | -13.6 | -0.8 | 1.0 | 3.0 | 2.0 | -8.3 | 1.8 |
| 2015_Q1 | | -9.2 | 17.5 | -8.2 | -3.4 | -12.4 | -3.1 | -8.8 | 2.3 | 18.4 | 2.9 | -3.6 |
| 2015_Q2 | | 22.0 | -5.8 | 14.5 | 2.4 | 29.3 | 14.4 | 5.1 | 2.0 | 3.8 | 9.7 | 10.6 |
| 2015_Q3 | | -1.0 | 10.7 | -13.9 | 8.2 | -3.5 | -1.5 | 13.6 | -2.4 | -7.4 | -19.5 | -2.8 |
| 2015_Q4 | | 0.4 | -12.8 | 12.4 | 9.2 | 4.2 | -3.6 | -3.2 | 8.5 | 3.5 | -6.8 | 2.9 |
| 2016_Q1 | | -14.6 | 12.7 | -5.8 | -2.5 | -19.3 | -6.1 | -12.4 | 1.0 | 33.3 | 21.1 | -3.7 |
| 2016_Q2 | | 20.8 | -6.1 | 11.0 | 12.0 | 27.1 | 15.2 | 5.3 | 5.8 | -12.4 | -4.3 | 9.5 |
| 2016_Q3 | | -1.1 | 4.6 | -14.4 | 1.8 | -3.2 | -2.7 | 12.7 | -7.8 | -5.9 | -11.8 | -3.8 |
| 2016_Q4 | | 1.8 | -7.3 | 14.7 | 7.2 | 4.1 | 3.9 | 1.2 | 5.8 | -0.9 | -3.5 | 4.7 |
| 2017_Q1* | | -13.2 | 9.1 | -5.8 | -7.2 | -16.9 | -13.1 | -20.3 | 1.7 | 4.2 | 20.3 | -6.4 |
| 2017_Q2* | | 18.1 | -4.1 | 9.5 | 14.1 | 17.2 | 21.6 | 21.3 | 6.8 | 25.3 | -11.4 | 11.2 |
| 2017_Q3* | | -2.8 | 4.5 | -14.5 | -1.5 | -4.6 | -0.8 | 6.2 | 0.9 | 2.1 | -2.7 | -3.3 |
| 2017_Q4* | | 1.9 | -6.3 | 9.6 | 7.7 | 9.6 | -1.5 | -6.6 | 3.2 | -6.8 | -7.1 | 2.7 |
| 2018_Q1** | | -12.0 | 6.1 | -4.3 | 4.0 | -24.8 | -9.4 | -14.3 | -7.5 | -8.0 | 22.7 | -4.8 |

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| Appendix 15 - Services: Quarterly Value Added by Activity (Year-on-Year Change) | | | | | | | | | | | |
|---|--|------------------------|---------------------|--------------------------------|-------------------------------------|---|-----------------------|-----------|----------------------|---|-------------------|
| Year Quarter | Year-on-Year Growth in Value Added (%) | | | | | | | | | | |
| | Trade; Repair Of Vehicles, Household Goods | Hotels and Restaurants | Transport & Storage | Information & Communication | Financial & Insurance Activities | Real Estate, Professional, Administrative & other Services Activities | Public Administration | Education | Health & Social Work | Community, Social & Personal Service Activities | Total Value Added |
| 2009_Q1 | 9.5 | -10.3 | 5.3 | 1.9 | -1.9 | 8.5 | 13.7 | 12.0 | 18.0 | -19.6 | 3.4 |
| 2009_Q2 | 3.9 | -3.9 | 3.9 | 1.6 | 72.7 | 3.6 | 13.6 | 13.3 | 19.9 | 32.0 | 10.1 |
| 2009_Q3 | -0.5 | 3.4 | 1.2 | -0.3 | -39.1 | -8.8 | 11.5 | 12.0 | 11.7 | 19.9 | 0.4 |
| 2009_Q4 | 9.0 | -2.6 | 7.6 | 12.0 | 46.9 | -2.3 | 8.3 | 12.0 | 11.8 | -0.9 | 8.8 |
| 2010_Q1 | 14.7 | 4.5 | 13.7 | 28.7 | 28.9 | 6.2 | 1.9 | 5.6 | 11.6 | 70.3 | 15.5 |
| 2010_Q2 | 16.7 | -6.5 | 8.7 | 18.0 | -25.4 | 16.8 | 3.1 | 2.5 | 10.8 | -12.7 | 4.3 |
| 2010_Q3 | 18.3 | 10.3 | -0.3 | 26.8 | 90.9 | 15.7 | 4.3 | 5.5 | 12.6 | -2.0 | 11.8 |
| 2010_Q4 | 4.5 | 2.6 | 9.9 | 24.3 | -2.9 | 17.8 | 4.2 | 7.4 | 10.1 | 4.9 | 7.8 |
| 2011_Q1 | 27.9 | -5.4 | -1.0 | 33.1 | 0.9 | 28.3 | 13.7 | 4.2 | 8.4 | -37.5 | 5.8 |
| 2011_Q2 | 7.9 | 4.9 | 19.5 | 39.0 | 82.1 | -17.1 | 7.9 | 4.7 | 3.4 | -0.6 | 12.1 |
| 2011_Q3 | -3.2 | -8.5 | 19.2 | 20.2 | -26.5 | 16.9 | 4.7 | 2.7 | 2.7 | 49.7 | 8.6 |
| 2011_Q4 | 11.6 | 27.3 | 8.9 | -17.7 | -10.2 | 29.3 | 3.8 | 3.7 | 5.5 | 63.1 | 11.4 |
| 2012_Q1 | -12.2 | 7.9 | 110.8 | 11.5 | 14.7 | 0.9 | 2.2 | 10.6 | 6.6 | 84.6 | 35.3 |
| 2012_Q2 | 20.7 | 19.3 | 17.0 | 27.5 | 5.2 | 64.9 | 6.7 | 7.6 | 14.5 | 22.8 | 19.8 |
| 2012_Q3 | 19.6 | 20.4 | -47.4 | 36.7 | 33.4 | 18.0 | 6.4 | 4.4 | 11.0 | -26.6 | -3.7 |
| 2012_Q4 | 22.0 | -20.3 | -45.6 | 109.5 | 35.4 | 5.1 | 1.5 | 4.5 | 11.7 | -23.4 | -2.8 |
| 2013_Q1 | 34.4 | 19.4 | -43.8 | 30.9 | 31.8 | -1.9 | 11.8 | 5.4 | -0.3 | 24.8 | -6.5 |
| 2013_Q2 | 6.8 | 12.5 | -2.1 | 12.3 | 22.3 | -25.3 | 9.4 | 5.8 | 5.7 | 31.8 | 5.0 |
| 2013_Q3 | 13.1 | 16.5 | 98.6 | 36.7 | 25.5 | -20.9 | 4.1 | 6.9 | 15.5 | 34.7 | 25.4 |
| 2013_Q4 | 6.5 | 56.8 | 77.2 | 18.7 | 15.4 | -21.0 | 8.4 | 9.3 | 9.9 | 60.3 | 23.6 |
| 2014_Q1 | -16.8 | 2.8 | -14.0 | 32.7 | -2.7 | -11.1 | -7.8 | 5.3 | 14.4 | -16.3 | -5.5 |
| 2014_Q2 | 7.0 | 6.0 | 2.9 | 46.0 | 52.5 | -5.5 | -7.7 | 9.7 | 3.4 | 4.9 | 10.1 |
| 2014_Q3 | 13.0 | 4.1 | -6.6 | 30.8 | 36.7 | 7.3 | -2.3 | 8.5 | -11.3 | 17.3 | 9.1 |
| 2014_Q4 | 5.2 | -16.7 | 23.0 | 44.7 | 8.0 | 5.4 | -0.6 | 5.0 | -10.3 | -8.1 | 9.2 |
| 2015_Q1 | 8.6 | 3.2 | 3.3 | 26.2 | 11.9 | -4.9 | -6.6 | 8.9 | 11.9 | 4.2 | 6.7 |
| 2015_Q2 | 10.9 | -5.7 | 1.2 | 24.7 | -2.2 | 24.1 | -3.3 | 7.1 | 16.9 | 2.1 | 6.4 |
| 2015_Q3 | 9.0 | 2.8 | 6.2 | 20.1 | -5.5 | 8.3 | 10.0 | 4.9 | 16.1 | -16.7 | 5.6 |
| 2015_Q4 | 10.1 | 6.8 | 1.8 | 16.8 | 13.9 | 5.2 | 5.4 | 10.5 | 17.9 | -15.3 | 6.7 |
| 2016_Q1 | 3.6 | 2.5 | 4.5 | 17.8 | 4.9 | 1.9 | 1.2 | 9.1 | 32.7 | -0.3 | 6.6 |
| 2016_Q2 | 2.5 | 2.2 | 1.2 | 29.0 | 3.2 | 2.7 | 1.5 | 13.2 | 11.9 | -13.0 | 5.5 |
| 2016_Q3 | 2.4 | -3.5 | 0.6 | 21.4 | 3.4 | 1.4 | 0.6 | 6.9 | 13.8 | -4.7 | 4.5 |
| 2016_Q4 | 3.8 | 2.7 | 2.7 | 19.2 | 3.4 | 9.3 | 5.3 | 4.2 | 8.9 | -1.4 | 6.3 |
| 2017_Q1* | 5.5 | -0.6 | 2.6 | 13.4 | 6.4 | 1.2 | -4.2 | 4.9 | -14.9 | -2.1 | 3.3 |
| 2017_Q2* | 3.2 | 1.4 | 1.3 | 15.5 | -1.9 | 6.9 | 10.3 | 5.9 | 21.8 | -9.3 | 5.0 |
| 2017_Q3* | 1.4 | 1.4 | 1.2 | 11.7 | -3.3 | 9.0 | 4.0 | 16.0 | 32.1 | 0.1 | 5.5 |
| 2017_Q4* | 1.5 | 2.5 | -3.2 | 12.2 | 1.8 | 3.3 | -4.0 | 13.1 | 24.2 | -3.6 | 3.4 |
| 2018_Q1** | 2.9 | -0.4 | -1.7 | 25.9 | -7.9 | 7.7 | 3.1 | 2.8 | 9.7 | -1.7 | 5.2 |

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| Appendix 16- Seasonally Adjusted Quarterly Value Added and Gross Domestic Product at Constant 2006 Prices by Economic Activity | | | | | | | | | | | |
|--|-------------------------------------|----------|---------|-------|---|--------------------|-------------------------------------|-------------------------------|----------|---------|--------------|
| Year Quarter | Quarterly Value Added (GHc Million) | | | | | | | Quarter-on-Quarter Change (%) | | | |
| | Agriculture | Industry | Service | FISIM | Total Value Added (GDP @ basic prices) | Net indirect Taxes | Total (GDP in purchaser's value) | Agriculture | Industry | Service | Total GDP*** |
| 2009_Q1 | 1,460.0 | 1,160.0 | 2,454.0 | 184.7 | 4,889.3 | 262.0 | 5,151.3 | 3.0 | 1.0 | 0.7 | -0.2 |
| 2009_Q2 | 1,496.0 | 1,160.0 | 2,619.0 | 198.3 | 5,076.7 | 231.0 | 5,307.7 | 2.5 | 0.0 | 6.7 | 3.0 |
| 2009_Q3 | 1,531.0 | 1,179.0 | 2,544.0 | 201.8 | 5,052.2 | 245.0 | 5,297.2 | 2.3 | 1.6 | -2.9 | -0.2 |
| 2009_Q4 | 1,568.0 | 1,193.0 | 2,653.0 | 219.2 | 5,194.8 | 202.0 | 5,396.8 | 2.4 | 1.2 | 4.3 | 1.9 |
| 2010_Q1 | 1,523.0 | 1,250.1 | 2,983.7 | 199.2 | 5,557.7 | 168.0 | 5,725.7 | -2.9 | 4.8 | 12.5 | 6.1 |
| 2010_Q2 | 1,683.0 | 1,206.8 | 2,764.2 | 195.3 | 5,458.7 | 251.0 | 5,709.7 | 10.5 | -3.5 | -7.4 | -0.3 |
| 2010_Q3 | 1,651.0 | 1,242.9 | 2,935.9 | 210.3 | 5,619.5 | 320.0 | 5,939.5 | -1.9 | 3.0 | 6.2 | 4.0 |
| 2010_Q4 | 1,585.0 | 1,354.5 | 3,036.7 | 215.8 | 5,760.4 | 281.0 | 6,041.4 | -4.0 | 9.0 | 3.4 | 1.7 |
| 2011_Q1 | 1,688.0 | 1,491.7 | 3,165.1 | 225.9 | 6,118.9 | 371.0 | 6,489.9 | 6.5 | 10.1 | 4.2 | 7.4 |
| 2011_Q2 | 1,624.0 | 1,746.1 | 3,122.3 | 237.3 | 6,255.1 | 355.0 | 6,610.1 | -3.8 | 17.1 | -1.4 | 1.9 |
| 2011_Q3 | 1,490.0 | 1,897.6 | 3,202.6 | 232.2 | 6,358.0 | 335.0 | 6,693.0 | -8.3 | 8.7 | 2.6 | 1.3 |
| 2011_Q4 | 1,549.0 | 2,022.0 | 3,321.1 | 238.6 | 6,653.5 | 356.0 | 7,009.5 | 4.0 | 6.6 | 3.7 | 4.7 |
| 2012_Q1 | 1,633.0 | 1,873.2 | 3,463.8 | 253.8 | 6,716.2 | 476.8 | 7,193.0 | 5.4 | -7.4 | 4.3 | 2.6 |
| 2012_Q2 | 1,644.4 | 1,916.0 | 3,604.3 | 267.5 | 6,897.3 | 489.3 | 7,386.6 | 0.7 | 2.3 | 4.1 | 2.7 |
| 2012_Q3 | 1,656.0 | 1,959.8 | 3,573.9 | 284.3 | 6,905.4 | 502.6 | 7,408.0 | 0.7 | 2.3 | -0.8 | 0.3 |
| 2012_Q4 | 1,664.2 | 1,986.9 | 3,590.2 | 304.9 | 6,936.4 | 522.6 | 7,459.0 | 0.5 | 1.4 | 0.5 | 0.7 |
| 2013_Q1 | 1,724.4 | 2,026.9 | 3,525.0 | 270.7 | 7,005.5 | 526.4 | 7,531.9 | 3.6 | 2.0 | -1.8 | 1.0 |
| 2013_Q2 | 1,833.2 | 2,106.8 | 3,563.4 | 288.0 | 7,215.4 | 533.9 | 7,749.4 | 6.3 | 3.9 | 1.1 | 2.9 |
| 2013_Q3 | 1,762.2 | 2,115.6 | 3,761.2 | 325.2 | 7,313.8 | 547.8 | 7,861.6 | -3.9 | 0.4 | 5.5 | 1.4 |
| 2013_Q4 | 1,758.7 | 2,118.9 | 3,949.5 | 328.7 | 7,498.4 | 560.8 | 8,059.2 | -0.2 | 0.2 | 5.0 | 2.5 |
| 2014_Q1 | 1,733.9 | 2,109.6 | 3,893.3 | 327.7 | 7,409.1 | 577.7 | 7,986.7 | -1.4 | -0.4 | -1.4 | -0.9 |
| 2014_Q2 | 1,704.3 | 2,112.3 | 3,991.7 | 352.5 | 7,455.7 | 580.2 | 8,036.0 | -1.7 | 0.1 | 2.5 | 0.6 |
| 2014_Q3 | 1,816.3 | 2,136.1 | 4,079.2 | 343.9 | 7,687.6 | 593.9 | 8,281.6 | 6.6 | 1.1 | 2.2 | 3.1 |
| 2014_Q4 | 1,840.5 | 2,135.5 | 4,169.5 | 348.5 | 7,797.0 | 583.5 | 8,380.5 | 1.3 | 0.0 | 2.2 | 1.2 |
| 2015_Q1 | 1,841.6 | 2,133.4 | 4,234.2 | 341.8 | 7,867.5 | 589.6 | 8,457.0 | 0.1 | -0.1 | 1.6 | 0.9 |
| 2015_Q2 | 1,850.8 | 2,125.9 | 4,302.9 | 344.8 | 7,934.8 | 594.9 | 8,529.7 | 0.5 | -0.4 | 1.6 | 0.9 |
| 2015_Q3 | 1,878.5 | 2,117.1 | 4,361.6 | 345.1 | 8,012.2 | 600.4 | 8,612.5 | 1.5 | -0.4 | 1.4 | 1.0 |
| 2015_Q4 | 1,891.7 | 2,128.3 | 4,433.5 | 357.4 | 8,096.1 | 605.9 | 8,702.0 | 0.7 | 0.5 | 1.6 | 1.0 |
| 2016_Q1 | 1,906.1 | 2,137.9 | 4,501.5 | 372.0 | 8,173.4 | 612.2 | 8,785.7 | 0.8 | 0.5 | 1.5 | 1.0 |
| 2016_Q2 | 1,916.2 | 2,075.4 | 4,564.9 | 361.8 | 8,194.7 | 613.9 | 8,808.5 | 0.5 | -2.9 | 1.4 | 0.3 |
| 2016_Q3 | 1,934.8 | 2,093.8 | 4,614.7 | 347.9 | 8,295.4 | 621.2 | 8,916.6 | 1.0 | 0.9 | 1.1 | 1.2 |
| 2016_Q4 | 1,947.5 | 2,118.6 | 4,686.7 | 355.2 | 8,397.7 | 628.2 | 9,025.9 | 0.7 | 1.2 | 1.6 | 1.2 |
| 2017_Q1* | 1,974.9 | 2,181.2 | 4,723.5 | 356.3 | 8,523.3 | 639.4 | 9,162.7 | 1.4 | 3.0 | 0.8 | 1.5 |
| 2017_Q2* | 1,985.6 | 2,282.1 | 4,783.3 | 352.7 | 8,698.4 | 653.3 | 9,351.6 | 0.5 | 4.6 | 1.3 | 2.1 |
| 2017_Q3* | 2,052.3 | 2,376.2 | 4,846.7 | 353.3 | 8,921.9 | 669.0 | 9,590.9 | 3.4 | 4.1 | 1.3 | 2.6 |
| 2017_Q4* | 2,111.0 | 2,470.4 | 4,888.5 | 358.3 | 9,111.6 | 681.3 | 9,793.0 | 2.9 | 4.0 | 0.9 | 2.1 |
| 2018_Q1** | 2,119.5 | 2,528.4 | 4,947.7 | 348.7 | 9,247.0 | 692.9 | 9,939.9 | 0.4 | 2.3 | 1.2 | 1.5 |

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*** Includes Net Indirect Taxes and FISIM

| Appendix 17 - Agriculture: Seasonally Adjusted Value Added by Activity | | | | | | |
|---|----------------|--|------------------|-------------------------------|----------------|--------------------------|
| Year | Quarter | Quarterly Value Added (Ghc Million) | | | | Total Value Added |
| | | Crops & Cocoa | Livestock | Forestry & Logging | Fishing | |
| 2009_Q1 | | 1,036.0 | 120.0 | 173.0 | 131.0 | 1,460.0 |
| 2009_Q2 | | 1,079.0 | 126.0 | 171.0 | 120.0 | 1,496.0 |
| 2009_Q3 | | 1,131.0 | 127.0 | 172.0 | 101.0 | 1,531.0 |
| 2009_Q4 | | 1,153.0 | 128.0 | 172.0 | 115.0 | 1,568.0 |
| 2010_Q1 | | 1,066.0 | 122.0 | 225.0 | 110.0 | 1,523.0 |
| 2010_Q2 | | 1,251.0 | 128.0 | 179.0 | 125.0 | 1,683.0 |
| 2010_Q3 | | 1,200.0 | 133.0 | 190.0 | 128.0 | 1,651.0 |
| 2010_Q4 | | 1,174.0 | 139.0 | 174.0 | 98.0 | 1,585.0 |
| 2011_Q1 | | 1,104.0 | 119.0 | 365.0 | 100.0 | 1,688.0 |
| 2011_Q2 | | 1,264.0 | 103.0 | 155.0 | 102.0 | 1,624.0 |
| 2011_Q3 | | 1,237.0 | 97.0 | 50.0 | 106.0 | 1,490.0 |
| 2011_Q4 | | 1,234.0 | 178.0 | 21.0 | 116.0 | 1,549.0 |
| 2012_Q1 | | 1,217.1 | 139.6 | 160.5 | 115.8 | 1,633.0 |
| 2012_Q2 | | 1,217.2 | 140.6 | 167.8 | 118.9 | 1,644.4 |
| 2012_Q3 | | 1,225.7 | 141.4 | 173.0 | 115.9 | 1,656.0 |
| 2012_Q4 | | 1,228.8 | 145.3 | 173.7 | 116.4 | 1,664.2 |
| 2013_Q1 | | 1,273.5 | 146.0 | 189.2 | 115.8 | 1,724.4 |
| 2013_Q2 | | 1,357.5 | 158.9 | 197.7 | 119.1 | 1,833.2 |
| 2013_Q3 | | 1,271.4 | 172.1 | 196.7 | 122.0 | 1,762.2 |
| 2013_Q4 | | 1,301.1 | 153.0 | 181.7 | 122.9 | 1,758.7 |
| 2014_Q1 | | 1,271.5 | 156.0 | 180.5 | 125.8 | 1,733.9 |
| 2014_Q2 | | 1,246.1 | 156.5 | 177.0 | 124.6 | 1,704.3 |
| 2014_Q3 | | 1,363.1 | 159.0 | 175.9 | 118.3 | 1,816.3 |
| 2014_Q4 | | 1,374.8 | 161.1 | 188.6 | 116.1 | 1,840.5 |
| 2015_Q1 | | 1,377.1 | 162.3 | 184.5 | 117.7 | 1,841.6 |
| 2015_Q2 | | 1,382.3 | 163.8 | 185.7 | 119.0 | 1,850.8 |
| 2015_Q3 | | 1,400.8 | 165.6 | 192.5 | 119.6 | 1,878.5 |
| 2015_Q4 | | 1,409.8 | 169.6 | 191.3 | 121.1 | 1,891.7 |
| 2016_Q1 | | 1,415.4 | 171.6 | 195.9 | 123.2 | 1,906.1 |
| 2016_Q2 | | 1,420.4 | 173.6 | 197.3 | 124.8 | 1,916.2 |
| 2016_Q3 | | 1,435.7 | 175.5 | 197.2 | 126.4 | 1,934.8 |
| 2016_Q4 | | 1,444.9 | 178.6 | 196.1 | 128.0 | 1,947.5 |
| 2017_Q1* | | 1,464.0 | 180.7 | 197.7 | 132.6 | 1,974.9 |
| 2017_Q2* | | 1,478.2 | 182.6 | 197.8 | 127.0 | 1,985.6 |
| 2017_Q3* | | 1,526.5 | 185.0 | 197.7 | 143.1 | 2,052.3 |
| 2017_Q4* | | 1,580.1 | 188.2 | 199.1 | 143.6 | 2,111.0 |
| 2018_Q** | | 1,589.3 | 190.4 | 200.0 | 139.9 | 2,119.5 |

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| Appendix 18 - Agriculture: Seasonally Adjusted Value Added by Activity | | | | | | |
|--|---------|-------------------------------|-----------|--------------------|---------|-------------------|
| Year | Quarter | Quarter-on-Quarter Change (%) | | | | Total Value Added |
| | | Crops & Cocoa | Livestock | Forestry & Logging | Fishing | |
| 2009_Q1 | | 2.1 | 5.3 | 3.0 | 8.3 | 3.0 |
| 2009_Q2 | | 4.2 | 5.0 | -1.2 | -8.4 | 2.5 |
| 2009_Q3 | | 4.8 | 0.8 | 0.6 | -15.8 | 2.3 |
| 2009_Q4 | | 1.9 | 0.8 | 0.0 | 13.9 | 2.4 |
| 2010_Q1 | | -7.5 | -4.7 | 30.8 | -4.3 | -2.9 |
| 2010_Q2 | | 17.4 | 4.9 | -20.4 | 13.6 | 10.5 |
| 2010_Q3 | | -4.1 | 3.9 | 6.1 | 2.4 | -1.9 |
| 2010_Q4 | | -2.2 | 4.5 | -8.4 | -23.4 | -4.0 |
| 2011_Q1 | | -6.0 | -14.4 | 109.8 | 2.0 | 6.5 |
| 2011_Q2 | | 14.5 | -13.4 | -57.5 | 2.0 | -3.8 |
| 2011_Q3 | | -2.1 | -5.8 | -67.7 | 3.9 | -8.3 |
| 2011_Q4 | | -0.2 | 83.5 | -58.0 | 9.4 | 4.0 |
| 2012_Q1 | | -1.4 | -21.6 | 664.3 | -0.2 | 5.4 |
| 2012_Q2 | | 0.0 | 0.7 | 4.5 | 2.6 | 0.7 |
| 2012_Q3 | | 0.7 | 0.6 | 3.2 | -2.5 | 0.7 |
| 2012_Q4 | | 0.3 | 2.8 | 0.4 | 0.4 | 0.5 |
| 2013_Q1 | | 3.6 | 0.5 | 8.9 | -0.5 | 3.6 |
| 2013_Q2 | | 6.6 | 8.9 | 4.5 | 2.9 | 6.3 |
| 2013_Q3 | | -6.3 | 8.3 | -0.5 | 2.4 | -3.9 |
| 2013_Q4 | | 2.3 | -11.1 | -7.6 | 0.8 | -0.2 |
| 2014_Q1 | | -2.3 | 2.0 | -0.6 | 2.3 | -1.4 |
| 2014_Q2 | | -2.0 | 0.3 | -1.9 | -1.0 | -1.7 |
| 2014_Q3 | | 9.4 | 1.5 | -0.7 | -5.0 | 6.6 |
| 2014_Q4 | | 0.9 | 1.3 | 7.2 | -1.9 | 1.3 |
| 2015_Q1 | | 0.2 | 0.8 | -2.2 | 1.4 | 0.1 |
| 2015_Q2 | | 0.4 | 0.9 | 0.6 | 1.1 | 0.5 |
| 2015_Q3 | | 1.3 | 1.1 | 3.7 | 0.5 | 1.5 |
| 2015_Q4 | | 0.6 | 2.4 | -0.6 | 1.2 | 0.7 |
| 2016_Q1 | | 0.4 | 1.2 | 2.4 | 1.7 | 0.8 |
| 2016_Q2 | | 0.4 | 1.1 | 0.7 | 1.4 | 0.5 |
| 2016_Q3 | | 1.1 | 1.1 | -0.1 | 1.2 | 1.0 |
| 2016_Q4 | | 0.6 | 1.8 | -0.6 | 1.3 | 0.7 |
| 2017_Q1* | | 1.3 | 1.2 | 0.8 | 3.6 | 1.4 |
| 2017_Q2* | | 1.0 | 1.0 | 0.1 | -4.2 | 0.5 |
| 2017_Q3* | | 3.3 | 1.3 | -0.1 | 12.7 | 3.4 |
| 2017_Q4** | | 3.5 | 1.7 | 0.7 | 0.4 | 2.9 |
| 2018_Q1** | | 0.6 | 1.2 | 0.4 | -2.6 | 0.4 |

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| Appendix 19 - Agriculture: Seasonally Adjusted Value Added by Activity | | | | | |
|--|-------------------------|-----------|--------------------|---------|-------------------|
| Year Quarter | Year-on-Year Change (%) | | | | |
| | Crops & Cocoa | Livestock | Forestry & Logging | Fishing | Total Value Added |
| 2009_Q1 | 5.8 | -4.8 | -2.3 | 20.2 | 5.0 |
| 2009_Q2 | 5.0 | 2.4 | 0.6 | -9.8 | 2.9 |
| 2009_Q3 | 9.9 | 5.0 | 1.2 | -18.5 | 6.0 |
| 2009_Q4 | 13.6 | 12.3 | 2.4 | -5.0 | 10.6 |
| 2010_Q1 | 2.9 | 1.7 | 30.1 | -16.0 | 4.3 |
| 2010_Q2 | 15.9 | 1.6 | 4.7 | 4.2 | 12.5 |
| 2010_Q3 | 6.1 | 4.7 | 10.5 | 26.7 | 7.8 |
| 2010_Q4 | 1.8 | 8.6 | 1.2 | -14.8 | 1.1 |
| 2011_Q1 | 3.6 | -2.5 | 62.2 | -9.1 | 10.8 |
| 2011_Q2 | 1.0 | -19.5 | -13.4 | -18.4 | -3.5 |
| 2011_Q3 | 3.1 | -27.1 | -73.7 | -17.2 | -9.8 |
| 2011_Q4 | 5.1 | 28.1 | -87.9 | 18.4 | -2.3 |
| 2012_Q1 | 10.2 | 17.3 | -56.0 | 15.8 | -3.3 |
| 2012_Q2 | -3.7 | 36.5 | 8.2 | 16.5 | 1.3 |
| 2012_Q3 | -0.9 | 45.8 | 246.1 | 9.3 | 11.1 |
| 2012_Q4 | -0.4 | -18.4 | 727.3 | 0.3 | 7.4 |
| 2013_Q1 | 4.6 | 4.6 | 17.9 | 0.0 | 5.6 |
| 2013_Q2 | 11.5 | 13.1 | 17.9 | 0.2 | 11.5 |
| 2013_Q3 | 3.7 | 21.7 | 13.7 | 5.3 | 6.4 |
| 2013_Q4 | 5.9 | 5.3 | 4.6 | 5.7 | 5.7 |
| 2014_Q1 | -0.2 | 6.9 | -4.6 | 8.7 | 0.5 |
| 2014_Q2 | -8.2 | -1.5 | -10.5 | 4.6 | -7.0 |
| 2014_Q3 | 7.2 | -7.7 | -10.6 | -3.0 | 3.1 |
| 2014_Q4 | 5.7 | 5.3 | 3.8 | -5.6 | 4.6 |
| 2015_Q1 | 8.3 | 4.1 | 2.2 | -6.4 | 6.2 |
| 2015_Q2 | 10.9 | 4.6 | 4.9 | -4.4 | 8.6 |
| 2015_Q3 | 2.8 | 4.2 | 9.4 | 1.1 | 3.4 |
| 2015_Q4 | 2.5 | 5.3 | 1.4 | 4.3 | 2.8 |
| 2016_Q1 | 2.8 | 5.7 | 6.2 | 4.7 | 3.5 |
| 2016_Q2 | 2.8 | 6.0 | 6.3 | 4.9 | 3.5 |
| 2016_Q3 | 2.5 | 6.0 | 2.5 | 5.6 | 3.0 |
| 2016_Q4 | 2.5 | 5.3 | 2.5 | 5.7 | 3.0 |
| 2017_Q1* | 3.4 | 5.3 | 0.9 | 7.6 | 3.6 |
| 2017_Q2* | 4.1 | 5.2 | 0.3 | 1.7 | 3.6 |
| 2017_Q3* | 6.3 | 5.4 | 0.2 | 13.2 | 6.1 |
| 2017_Q4* | 9.4 | 5.4 | 1.6 | 12.2 | 8.4 |
| 2018_Q1** | 8.6 | 5.4 | 1.2 | 5.5 | 7.3 |

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| Appendix 20 - Industry: Seasonally Adjusted Value Added by Activity | | | | | | | |
|--|----------------|--|----------------------|--------------------|-----------------------------|---------------------|--------------------------|
| Year | Quarter | Quarterly Value Added (GHc Million) | | | | | Total Value Added |
| | | Mining and Quarrying | Manufacturing | Electricity | Water & Sewerage | Construction | |
| 2009_Q1 | | 134.0 | 460.0 | 37.0 | 61.0 | 468.0 | 1,160.0 |
| 2009_Q2 | | 138.0 | 470.0 | 38.0 | 60.0 | 454.0 | 1,160.0 |
| 2009_Q3 | | 135.0 | 460.0 | 37.0 | 62.0 | 485.0 | 1,179.0 |
| 2009_Q4 | | 138.0 | 454.0 | 39.0 | 63.0 | 499.0 | 1,193.0 |
| 2010_Q1 | | 121.7 | 549.8 | 43.0 | 62.7 | 473.0 | 1,250.1 |
| 2010_Q2 | | 138.0 | 474.1 | 44.0 | 64.7 | 486.0 | 1,206.8 |
| 2010_Q3 | | 187.7 | 464.1 | 44.0 | 66.1 | 481.0 | 1,242.9 |
| 2010_Q4 | | 242.9 | 495.7 | 39.0 | 65.9 | 511.0 | 1,354.5 |
| 2011_Q1 | | 372.0 | 461.3 | 40.0 | 65.4 | 553.0 | 1,491.7 |
| 2011_Q2 | | 533.1 | 585.2 | 41.0 | 67.9 | 519.0 | 1,746.1 |
| 2011_Q3 | | 605.6 | 581.0 | 43.0 | 67.0 | 601.0 | 1,897.6 |
| 2011_Q4 | | 604.9 | 693.4 | 44.0 | 66.7 | 613.0 | 2,022.0 |
| 2012_Q1 | | 579.3 | 592.1 | 43.7 | 67.1 | 591.0 | 1,873.2 |
| 2012_Q2 | | 587.0 | 595.8 | 44.8 | 67.1 | 621.4 | 1,916.0 |
| 2012_Q3 | | 595.1 | 606.3 | 45.8 | 67.7 | 645.1 | 1,959.8 |
| 2012_Q4 | | 615.5 | 591.6 | 46.9 | 68.2 | 664.7 | 1,986.9 |
| 2013_Q1 | | 645.7 | 587.5 | 48.3 | 67.6 | 677.8 | 2,026.9 |
| 2013_Q2 | | 686.5 | 594.6 | 50.0 | 67.2 | 708.5 | 2,106.8 |
| 2013_Q3 | | 685.8 | 597.3 | 52.5 | 67.3 | 712.8 | 2,115.6 |
| 2013_Q4 | | 686.8 | 588.6 | 54.6 | 67.1 | 721.8 | 2,118.9 |
| 2014_Q1 | | 681.0 | 577.3 | 54.0 | 68.0 | 729.3 | 2,109.6 |
| 2014_Q2 | | 693.5 | 567.1 | 55.9 | 69.1 | 726.7 | 2,112.3 |
| 2014_Q3 | | 712.6 | 569.6 | 56.1 | 68.4 | 729.4 | 2,136.1 |
| 2014_Q4 | | 708.5 | 583.8 | 54.7 | 66.4 | 722.0 | 2,135.5 |
| 2015_Q1 | | 696.8 | 587.3 | 53.8 | 69.1 | 726.4 | 2,133.4 |
| 2015_Q2 | | 679.7 | 586.2 | 50.8 | 71.5 | 737.7 | 2,125.9 |
| 2015_Q3 | | 664.0 | 591.6 | 48.9 | 75.9 | 736.7 | 2,117.1 |
| 2015_Q4 | | 665.1 | 596.7 | 49.2 | 79.7 | 737.6 | 2,128.3 |
| 2016_Q1 | | 645.1 | 605.2 | 51.0 | 80.1 | 756.4 | 2,137.9 |
| 2016_Q2 | | 574.3 | 615.2 | 53.5 | 78.6 | 753.8 | 2,075.4 |
| 2016_Q3 | | 590.5 | 614.7 | 53.9 | 76.6 | 758.0 | 2,093.8 |
| 2016_Q4 | | 614.4 | 613.0 | 54.9 | 77.1 | 759.2 | 2,118.6 |
| 2017_Q1* | | 658.6 | 620.2 | 55.2 | 77.3 | 769.9 | 2,181.2 |
| 2017_Q2* | | 744.3 | 629.9 | 56.3 | 79.5 | 772.1 | 2,282.1 |
| 2017_Q3* | | 817.3 | 633.9 | 58.0 | 81.7 | 785.4 | 2,376.2 |
| 2017_Q4* | | 900.1 | 635.9 | 58.4 | 82.3 | 793.8 | 2,470.4 |
| 2018_Q1** | | 952.8 | 640.7 | 58.7 | 84.2 | 792.0 | 2,528.4 |

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| Appendix 21 - Industry: Seasonally Adjusted Value Added by Activity | | | | | | | |
|---|---------|-------------------------------|---------------|-------------|------------------|--------------|-------------------|
| Year | Quarter | Quarter-on-Quarter Change (%) | | | | | Total Value Added |
| | | Mining and Quarrying | Manufacturing | Electricity | Water & Sewerage | Construction | |
| 2009_Q1 | | 3.1 | -0.6 | -2.6 | 5.2 | 2.0 | 1.0 |
| 2009_Q2 | | 3.0 | 2.2 | 2.7 | -1.6 | -3.0 | 0.0 |
| 2009_Q3 | | -2.2 | -2.1 | -2.6 | 3.3 | 6.8 | 1.6 |
| 2009_Q4 | | 2.2 | -1.3 | 5.4 | 1.6 | 2.9 | 1.2 |
| 2010_Q1 | | -11.8 | 21.1 | 10.3 | -0.5 | -5.2 | 4.8 |
| 2010_Q2 | | 13.4 | -13.8 | 2.3 | 3.3 | 2.7 | -3.5 |
| 2010_Q3 | | 36.0 | -2.1 | 0.0 | 2.2 | -1.0 | 3.0 |
| 2010_Q4 | | 29.4 | 6.8 | -11.4 | -0.4 | 6.2 | 9.0 |
| 2011_Q1 | | 53.2 | -6.9 | 2.6 | -0.7 | 8.2 | 10.1 |
| 2011_Q2 | | 43.3 | 26.9 | 2.5 | 3.7 | -6.1 | 17.1 |
| 2011_Q3 | | 13.6 | -0.7 | 4.9 | -1.3 | 15.8 | 8.7 |
| 2011_Q4 | | -0.1 | 19.4 | 2.3 | -0.4 | 2.0 | 6.6 |
| 2012_Q1 | | -4.2 | -14.6 | -0.7 | 0.6 | -3.6 | -7.4 |
| 2012_Q2 | | 1.3 | 0.6 | 2.5 | 0.0 | 5.2 | 2.3 |
| 2012_Q3 | | 1.4 | 1.8 | 2.2 | 0.8 | 3.8 | 2.3 |
| 2012_Q4 | | 3.4 | -2.4 | 2.5 | 0.8 | 3.0 | 1.4 |
| 2013_Q1 | | 4.9 | -0.7 | 3.0 | -1.0 | 2.0 | 2.0 |
| 2013_Q2 | | 6.3 | 1.2 | 3.6 | -0.5 | 4.5 | 3.9 |
| 2013_Q3 | | -0.1 | 0.5 | 4.9 | 0.1 | 0.6 | 0.4 |
| 2013_Q4 | | 0.1 | -1.4 | 4.0 | -0.2 | 1.3 | 0.2 |
| 2014_Q1 | | -0.8 | -1.9 | -1.1 | 1.3 | 1.0 | -0.4 |
| 2014_Q2 | | 1.8 | -1.8 | 3.5 | 1.5 | -0.3 | 0.1 |
| 2014_Q3 | | 2.8 | 0.4 | 0.4 | -0.9 | 0.4 | 1.1 |
| 2014_Q4 | | -0.6 | 2.5 | -2.4 | -2.9 | -1.0 | 0.0 |
| 2015_Q1 | | -1.6 | 0.6 | -1.7 | 4.0 | 0.6 | -0.1 |
| 2015_Q2 | | -2.5 | -0.2 | -5.6 | 3.5 | 1.6 | -0.4 |
| 2015_Q3 | | -2.3 | 0.9 | -3.7 | 6.1 | -0.1 | -0.4 |
| 2015_Q4 | | 0.2 | 0.9 | 0.5 | 5.0 | 0.1 | 0.5 |
| 2016_Q1 | | -3.0 | 1.4 | 3.8 | 0.6 | 2.6 | 0.5 |
| 2016_Q2 | | -11.0 | 1.7 | 4.8 | -2.0 | -0.3 | -2.9 |
| 2016_Q3 | | 2.8 | -0.1 | 0.9 | -2.5 | 0.6 | 0.9 |
| 2016_Q4 | | 4.1 | -0.3 | 1.8 | 0.6 | 0.2 | 1.2 |
| 2017_Q1* | | 7.2 | 1.2 | 0.5 | 0.2 | 1.4 | 3.0 |
| 2017_Q2* | | 13.0 | 1.6 | 2.1 | 2.9 | 0.3 | 4.6 |
| 2017_Q3* | | 9.8 | 0.6 | 2.9 | 2.7 | 1.7 | 4.1 |
| 2017_Q4* | | 10.1 | 0.3 | 0.7 | 0.8 | 1.1 | 4.0 |
| 2018_Q1** | | 5.9 | 0.8 | 0.6 | 2.3 | -0.2 | 2.3 |

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| Appendix 22 - Industry: Seasonally Adjusted Value Added by Activity | | | | | | |
|---|-------------------------|---------------|-------------|---------------------|--------------|----------------------|
| Year Quarter | Year-on-Year Change (%) | | | | | |
| | Mining and Quarrying | Manufacturing | Electricity | Water & Sewerage | Construction | Total Value Added |
| 2009_Q1 | -3.6 | -4.8 | 15.6 | 5.2 | 11.4 | 2.5 |
| 2009_Q2 | 6.2 | 2.6 | 8.6 | 7.1 | 7.3 | 5.3 |
| 2009_Q3 | 1.5 | -1.1 | 2.8 | 10.7 | 10.0 | 4.2 |
| 2009_Q4 | 6.2 | -1.9 | 2.6 | 8.6 | 8.7 | 3.9 |
| 2010_Q1 | -9.2 | 19.5 | 16.2 | 2.7 | 1.1 | 7.8 |
| 2010_Q2 | 0.0 | 0.9 | 15.8 | 7.9 | 7.0 | 4.0 |
| 2010_Q3 | 39.0 | 0.9 | 18.9 | 6.7 | -0.8 | 5.4 |
| 2010_Q4 | 76.0 | 9.2 | 0.0 | 4.5 | 2.4 | 13.5 |
| 2011_Q1 | 205.7 | -16.1 | -7.0 | 4.4 | 16.9 | 19.3 |
| 2011_Q2 | 286.3 | 23.4 | -6.8 | 4.8 | 6.8 | 44.7 |
| 2011_Q3 | 222.7 | 25.2 | -2.3 | 1.3 | 24.9 | 52.7 |
| 2011_Q4 | 149.1 | 39.9 | 12.8 | 1.3 | 20.0 | 49.3 |
| 2012_Q1 | 55.7 | 28.4 | 9.2 | 2.6 | 6.9 | 25.6 |
| 2012_Q2 | 10.1 | 1.8 | 9.2 | -1.1 | 19.7 | 9.7 |
| 2012_Q3 | -1.7 | 4.4 | 6.4 | 1.0 | 7.3 | 3.3 |
| 2012_Q4 | 1.7 | -14.7 | 6.6 | 2.3 | 8.4 | -1.7 |
| 2013_Q1 | 11.5 | -0.8 | 10.6 | 0.7 | 14.7 | 8.2 |
| 2013_Q2 | 17.0 | -0.2 | 11.7 | 0.1 | 14.0 | 10.0 |
| 2013_Q3 | 15.2 | -1.5 | 14.7 | -0.6 | 10.5 | 7.9 |
| 2013_Q4 | 11.6 | -0.5 | 16.3 | -1.6 | 8.6 | 6.6 |
| 2014_Q1 | 5.5 | -1.7 | 11.8 | 0.7 | 7.6 | 4.1 |
| 2014_Q2 | 1.0 | -4.6 | 11.7 | 2.7 | 2.6 | 0.3 |
| 2014_Q3 | 3.9 | -4.6 | 6.9 | 1.7 | 2.3 | 1.0 |
| 2014_Q4 | 3.2 | -0.8 | 0.3 | -1.1 | 0.0 | 0.8 |
| 2015_Q1 | 2.3 | 1.7 | -0.4 | 1.6 | -0.4 | 1.1 |
| 2015_Q2 | -2.0 | 3.4 | -9.1 | 3.6 | 1.5 | 0.6 |
| 2015_Q3 | -6.8 | 3.9 | -12.8 | 11.0 | 1.0 | -0.9 |
| 2015_Q4 | -6.1 | 2.2 | -10.2 | 20.0 | 2.2 | -0.3 |
| 2016_Q1 | -7.4 | 3.1 | -5.1 | 16.0 | 4.1 | 0.2 |
| 2016_Q2 | -15.5 | 5.0 | 5.3 | 9.8 | 2.2 | -2.4 |
| 2016_Q3 | -11.1 | 3.9 | 10.3 | 0.9 | 2.9 | -1.1 |
| 2016_Q4 | -7.6 | 2.7 | 11.7 | -3.2 | 2.9 | -0.5 |
| 2017_Q1* | 2.1 | 2.5 | 8.2 | -3.6 | 1.8 | 2.0 |
| 2017_Q2* | 29.6 | 2.4 | 5.4 | 1.2 | 2.4 | 10.0 |
| 2017_Q3* | 38.4 | 3.1 | 7.5 | 6.6 | 3.6 | 13.5 |
| 2017_Q4* | 46.5 | 3.7 | 6.3 | 6.8 | 4.6 | 16.6 |
| 2018_Q1** | 44.7 | 3.3 | 6.4 | 9.0 | 2.9 | 15.9 |

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| Appendix 23- Services: Seasonally Adjusted Value Added by Activity | | | | | | | | | | | |
|--|--|------------------------|---------------------|--------------------------------|-------------------------------------|--|-----------------------|-----------|----------------------|---|-------------------|
| Year Quarter | Quarterly Value Added (GHc Million) | | | | | | | | | | |
| | Trade; Repair Of Vehicles, Household Goods | Hotels and Restaurants | Transport & Storage | Information & Communication | Financial & Insurance Activities | Real Estate, Professional, Administrative & other Services Activities | Public Administration | Education | Health & Social Work | Community, Social & Personal Service Activities | Total Value Added |
| 2009_Q1 | 342.0 | 242.0 | 699.0 | 144.0 | 142.0 | 142.0 | 290.0 | 218.0 | 76.0 | 159.0 | 2,454.0 |
| 2009_Q2 | 347.0 | 251.0 | 687.0 | 152.0 | 214.0 | 132.0 | 300.0 | 227.0 | 77.0 | 232.0 | 2,619.0 |
| 2009_Q3 | 344.0 | 243.0 | 702.0 | 156.0 | 112.0 | 129.0 | 307.0 | 233.0 | 78.0 | 240.0 | 2,544.0 |
| 2009_Q4 | 355.0 | 227.0 | 702.0 | 173.0 | 228.0 | 121.0 | 311.0 | 237.0 | 81.0 | 218.0 | 2,653.0 |
| 2010_Q1 | 391.8 | 264.8 | 786.0 | 190.5 | 189.9 | 266.5 | 297.5 | 230.9 | 84.0 | 282.0 | 2,983.7 |
| 2010_Q2 | 394.6 | 229.8 | 742.0 | 175.1 | 116.7 | 274.8 | 311.0 | 234.1 | 85.1 | 201.0 | 2,764.2 |
| 2010_Q3 | 400.7 | 264.5 | 685.0 | 194.5 | 247.6 | 259.2 | 319.0 | 245.5 | 87.9 | 232.0 | 2,935.9 |
| 2010_Q4 | 386.1 | 228.8 | 807.0 | 216.8 | 237.3 | 275.6 | 321.5 | 252.7 | 89.9 | 221.0 | 3,036.7 |
| 2011_Q1 | 489.0 | 254.1 | 790.0 | 253.5 | 191.6 | 335.0 | 338.2 | 240.6 | 91.1 | 182.0 | 3,165.1 |
| 2011_Q2 | 431.0 | 243.9 | 864.0 | 243.3 | 212.6 | 229.0 | 335.5 | 245.0 | 88.0 | 230.0 | 3,122.3 |
| 2011_Q3 | 398.0 | 241.4 | 845.0 | 233.8 | 182.0 | 311.0 | 334.0 | 252.1 | 90.3 | 315.0 | 3,202.6 |
| 2011_Q4 | 426.0 | 283.9 | 852.0 | 178.4 | 213.2 | 355.0 | 333.7 | 262.1 | 94.9 | 322.0 | 3,321.1 |
| 2012_Q1 | 421.9 | 261.7 | 1,044.6 | 239.9 | 204.4 | 308.9 | 338.1 | 252.5 | 92.7 | 299.0 | 3,463.8 |
| 2012_Q2 | 443.9 | 273.3 | 1,059.6 | 257.1 | 215.0 | 347.4 | 344.5 | 258.0 | 96.0 | 309.6 | 3,604.3 |
| 2012_Q3 | 462.6 | 285.1 | 962.1 | 275.7 | 224.4 | 361.4 | 349.7 | 267.0 | 98.5 | 287.6 | 3,573.9 |
| 2012_Q4 | 485.9 | 270.5 | 913.4 | 321.5 | 243.7 | 363.0 | 349.3 | 266.7 | 101.0 | 275.2 | 3,590.2 |
| 2013_Q1 | 523.7 | 283.8 | 719.4 | 343.4 | 263.4 | 361.4 | 359.2 | 273.8 | 100.9 | 295.9 | 3,525.0 |
| 2013_Q2 | 532.5 | 292.9 | 714.1 | 352.9 | 267.9 | 337.2 | 367.5 | 277.8 | 102.3 | 318.4 | 3,563.4 |
| 2013_Q3 | 547.7 | 304.8 | 823.3 | 382.2 | 289.1 | 318.5 | 371.1 | 278.6 | 106.2 | 339.6 | 3,761.2 |
| 2013_Q4 | 556.2 | 337.0 | 908.7 | 399.7 | 300.3 | 299.5 | 378.6 | 285.0 | 108.9 | 375.8 | 3,949.5 |
| 2014_Q1 | 531.3 | 339.2 | 873.7 | 429.9 | 298.3 | 289.9 | 371.1 | 288.7 | 112.4 | 358.7 | 3,893.3 |
| 2014_Q2 | 541.0 | 344.2 | 880.8 | 470.0 | 334.2 | 285.9 | 363.6 | 295.5 | 113.3 | 363.3 | 3,991.7 |
| 2014_Q3 | 558.0 | 347.6 | 866.3 | 503.7 | 362.2 | 291.1 | 361.4 | 301.5 | 110.0 | 377.5 | 4,079.2 |
| 2014_Q4 | 565.3 | 332.8 | 911.4 | 553.3 | 368.9 | 295.0 | 360.9 | 305.2 | 107.0 | 369.8 | 4,169.5 |
| 2015_Q1 | 575.8 | 335.5 | 918.4 | 585.4 | 377.2 | 291.2 | 355.0 | 311.8 | 110.3 | 373.4 | 4,234.2 |
| 2015_Q2 | 591.9 | 330.6 | 921.5 | 616.9 | 374.9 | 307.4 | 352.0 | 317.3 | 114.9 | 375.5 | 4,302.9 |
| 2015_Q3 | 605.2 | 333.1 | 934.3 | 645.6 | 369.1 | 313.7 | 361.1 | 321.0 | 119.1 | 359.4 | 4,361.6 |
| 2015_Q4 | 620.1 | 338.1 | 938.5 | 672.5 | 381.7 | 317.6 | 366.0 | 329.3 | 123.8 | 345.9 | 4,433.5 |
| 2016_Q1 | 624.9 | 340.2 | 948.4 | 700.2 | 385.5 | 319.0 | 367.0 | 336.6 | 133.9 | 345.7 | 4,501.5 |
| 2016_Q2 | 629.1 | 342.0 | 951.5 | 746.2 | 388.8 | 321.3 | 368.3 | 347.4 | 137.7 | 332.7 | 4,564.9 |
| 2016_Q3 | 632.9 | 338.8 | 952.9 | 782.8 | 392.1 | 322.4 | 368.9 | 353.0 | 141.8 | 328.9 | 4,614.7 |
| 2016_Q4 | 639.1 | 341.0 | 959.5 | 818.8 | 395.6 | 329.7 | 374.0 | 356.7 | 144.6 | 327.9 | 4,686.7 |
| 2017_Q1* | 646.8 | 340.4 | 965.6 | 843.3 | 400.9 | 330.6 | 370.4 | 361.0 | 138.5 | 326.0 | 4,723.5 |
| 2017_Q2* | 652.1 | 341.6 | 968.8 | 875.0 | 398.9 | 336.5 | 379.6 | 366.5 | 146.3 | 318.0 | 4,783.3 |
| 2017_Q3* | 654.4 | 342.8 | 971.5 | 899.4 | 395.6 | 344.0 | 383.5 | 380.1 | 157.2 | 318.0 | 4,846.7 |
| 2017_Q4* | 657.0 | 344.8 | 963.4 | 926.8 | 397.4 | 346.9 | 379.5 | 392.0 | 165.3 | 315.4 | 4,888.5 |
| 2018_Q1** | 661.2 | 344.4 | 959.4 | 980.4 | 390.5 | 352.7 | 382.0 | 394.6 | 168.7 | 313.8 | 4,947.7 |

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| Appendix 24 - Services: Seasonally Adjusted Value Added by Activity | | | | | | | | | | | |
|---|---|------------------------|---------------------|-----------------------------|----------------------------------|---|-----------------------|-----------|----------------------|--|-------------------|
| Year Quarter | Quarter-on-Quarter Growth in Value Added (%) | | | | | | | | | | |
| | Trade; Repair Of Vehicles, Household Goods | Hotels and Restaurants | Transport & Storage | Information & Communication | Financial & Insurance Activities | Real Estate, Professional, Administrative & other Services Activities | Public Administration | Education | Health & Social Work | Community, Social & Personal Service Activities | Total Value Added |
| 2009_Q1 | 5.2 | 5.2 | 7.2 | -6.5 | -8.4 | 10.9 | 0.7 | 2.8 | 4.1 | -27.4 | 0.7 |
| 2009_Q2 | 1.5 | 3.7 | -1.7 | 5.6 | 50.7 | -7.0 | 3.4 | 4.1 | 1.3 | 45.9 | 6.7 |
| 2009_Q3 | -0.9 | -3.2 | 2.2 | 2.6 | -47.7 | -2.3 | 2.3 | 2.6 | 1.3 | 3.4 | -2.9 |
| 2009_Q4 | 3.2 | -6.6 | 0.0 | 10.9 | 103.6 | -6.2 | 1.3 | 1.7 | 3.8 | -9.2 | 4.3 |
| 2010_Q1 | 10.4 | 16.7 | 12.0 | 10.1 | -16.7 | 120.3 | -4.3 | -2.6 | 3.7 | 29.4 | 12.5 |
| 2010_Q2 | 0.7 | -13.2 | -5.6 | -8.1 | -38.5 | 3.1 | 4.5 | 1.4 | 1.4 | -28.7 | -7.4 |
| 2010_Q3 | 1.5 | 15.1 | -7.7 | 11.1 | 112.1 | -5.7 | 2.6 | 4.9 | 3.3 | 15.4 | 6.2 |
| 2010_Q4 | -3.6 | -13.5 | 17.8 | 11.5 | -4.2 | 6.3 | 0.8 | 2.9 | 2.3 | -4.7 | 3.4 |
| 2011_Q1 | 26.7 | 11.1 | -2.1 | 16.9 | -19.2 | 21.6 | 5.2 | -4.8 | 1.2 | -17.6 | 4.2 |
| 2011_Q2 | -11.9 | -4.0 | 9.4 | -4.0 | 10.9 | -31.6 | -0.8 | 1.8 | -3.4 | 26.4 | -1.4 |
| 2011_Q3 | -7.7 | -1.0 | -2.2 | -3.9 | -14.4 | 35.8 | -0.5 | 2.9 | 2.6 | 37.0 | 2.6 |
| 2011_Q4 | 7.0 | 17.6 | 0.8 | -23.7 | 17.1 | 14.1 | -0.1 | 3.9 | 5.2 | 2.2 | 3.7 |
| 2012_Q1 | -1.0 | -7.8 | 22.6 | 34.5 | -4.1 | -13.0 | 1.3 | -3.6 | -2.3 | -7.1 | 4.3 |
| 2012_Q2 | 5.2 | 4.4 | 1.4 | 7.2 | 5.2 | 12.5 | 1.9 | 2.2 | 3.6 | 3.5 | 4.1 |
| 2012_Q3 | 4.2 | 4.3 | -9.2 | 7.2 | 4.4 | 4.0 | 1.5 | 3.5 | 2.6 | -7.1 | -0.8 |
| 2012_Q4 | 5.0 | -5.1 | -5.1 | 16.6 | 8.6 | 0.4 | -0.1 | -0.1 | 2.5 | -4.3 | 0.5 |
| 2013_Q1 | 7.8 | 4.9 | -21.2 | 6.8 | 8.1 | -0.5 | 2.8 | 2.7 | -0.1 | 7.5 | -1.8 |
| 2013_Q2 | 1.7 | 3.2 | -0.7 | 2.8 | 1.7 | -6.7 | 2.3 | 1.5 | 1.4 | 7.6 | 1.1 |
| 2013_Q3 | 2.8 | 4.1 | 15.3 | 8.3 | 7.9 | -5.5 | 1.0 | 0.3 | 3.8 | 6.7 | 5.5 |
| 2013_Q4 | 1.6 | 10.5 | 10.4 | 4.6 | 3.9 | -6.0 | 2.0 | 2.3 | 2.6 | 10.6 | 5.0 |
| 2014_Q1 | -4.5 | 0.7 | -3.9 | 7.6 | -0.6 | -3.2 | -2.0 | 1.3 | 3.2 | -4.5 | -1.4 |
| 2014_Q2 | 1.8 | 1.5 | 0.8 | 9.3 | 12.0 | -1.4 | -2.0 | 2.4 | 0.8 | 1.3 | 2.5 |
| 2014_Q3 | 3.1 | 1.0 | -1.6 | 7.2 | 8.4 | 1.8 | -0.6 | 2.0 | -2.9 | 3.9 | 2.2 |
| 2014_Q4 | 1.3 | -4.3 | 5.2 | 9.8 | 1.8 | 1.3 | -0.1 | 1.2 | -2.7 | -2.1 | 2.2 |
| 2015_Q1 | 1.9 | 0.8 | 0.8 | 5.8 | 2.3 | -1.3 | -1.6 | 2.2 | 3.1 | 1.0 | 1.6 |
| 2015_Q2 | 2.8 | -1.5 | 0.3 | 5.4 | -0.6 | 5.6 | -0.8 | 1.7 | 4.2 | 0.6 | 1.6 |
| 2015_Q3 | 2.2 | 0.8 | 1.4 | 4.7 | -1.5 | 2.1 | 2.6 | 1.2 | 3.6 | -4.3 | 1.4 |
| 2015_Q4 | 2.5 | 1.5 | 0.5 | 4.2 | 3.4 | 1.2 | 1.4 | 2.6 | 3.9 | -3.8 | 1.6 |
| 2016_Q1 | 0.8 | 0.6 | 1.1 | 4.1 | 1.0 | 0.4 | 0.3 | 2.2 | 8.2 | -0.1 | 1.5 |
| 2016_Q2 | 0.7 | 0.5 | 0.3 | 6.6 | 0.8 | 0.7 | 0.3 | 3.2 | 2.9 | -3.8 | 1.4 |
| 2016_Q3 | 0.6 | -0.9 | 0.1 | 4.9 | 0.9 | 0.4 | 0.2 | 1.6 | 3.0 | -1.1 | 1.1 |
| 2016_Q4 | 1.0 | 0.6 | 0.7 | 4.6 | 0.9 | 2.3 | 1.4 | 1.0 | 1.9 | -0.3 | 1.6 |
| 2017_Q1* | 1.2 | -0.2 | 0.6 | 3.0 | 1.3 | 0.3 | -0.9 | 1.2 | -4.2 | -0.6 | 0.8 |
| 2017_Q2* | 0.8 | 0.4 | 0.3 | 3.8 | -0.5 | 1.8 | 2.5 | 1.5 | 5.7 | -2.5 | 1.3 |
| 2017_Q3* | 0.4 | 0.3 | 0.3 | 2.8 | -0.8 | 2.2 | 1.0 | 3.7 | 7.4 | 0.0 | 1.3 |
| 2017_Q4* | 0.4 | 0.6 | -0.8 | 3.0 | 0.5 | 0.8 | -1.1 | 3.1 | 5.2 | -0.8 | 0.9 |
| 2018_Q1** | 0.6 | -0.1 | -0.4 | 5.8 | -1.7 | 1.7 | 0.7 | 0.7 | 2.1 | -0.5 | 1.2 |

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Appendix 25 - Services: Seasonally Adjusted Value Added by Activity

| Year Quarter | Year-on-Year Growth in Value Added (%) | | | | | | | | | | |
|-----------------|---|------------------------|---------------------|-----------------------------|----------------------------------|---|-----------------------|-----------|----------------------|--|-------------------|
| | Trade; Repair Of Vehicles, Household Goods | Hotels and Restaurants | Transport & Storage | Information & Communication | Financial & Insurance Activities | Real Estate, Professional, Administrative & other Services Activities | Public Administration | Education | Health & Social Work | Community, Social & Personal Service Activities | Total Value Added |
| 2009_Q1 | 9.6 | -10.7 | 5.3 | 2.1 | -4.1 | 12.7 | 13.7 | 12.4 | 18.8 | -19.3 | 3.5 |
| 2009_Q2 | 3.9 | -3.8 | 3.9 | 2.0 | 79.8 | 4.8 | 13.6 | 13.5 | 20.3 | 31.8 | 11.3 |
| 2009_Q3 | -0.9 | 2.5 | 1.2 | 0.0 | -39.8 | -17.3 | 11.2 | 12.0 | 11.4 | 20.0 | 0.6 |
| 2009_Q4 | 9.2 | -1.3 | 7.7 | 12.3 | 47.1 | -5.5 | 8.0 | 11.8 | 11.0 | -0.5 | 8.9 |
| 2010_Q1 | 14.5 | 9.4 | 12.4 | 32.3 | 33.7 | 87.7 | 2.6 | 5.9 | 10.5 | 77.4 | 21.6 |
| 2010_Q2 | 13.7 | -8.4 | 8.0 | 15.2 | -45.4 | 108.2 | 3.7 | 3.1 | 10.5 | -13.4 | 5.5 |
| 2010_Q3 | 16.5 | 8.8 | -2.4 | 24.7 | 121.1 | 100.9 | 3.9 | 5.4 | 12.7 | -3.3 | 15.4 |
| 2010_Q4 | 8.8 | 0.8 | 15.0 | 25.3 | 4.1 | 127.7 | 3.4 | 6.6 | 11.0 | 1.4 | 14.5 |
| 2011_Q1 | 24.8 | -4.0 | 0.5 | 33.1 | 0.9 | 25.7 | 13.7 | 4.2 | 8.4 | -35.5 | 6.1 |
| 2011_Q2 | 9.2 | 6.1 | 16.4 | 39.0 | 82.1 | -16.7 | 7.9 | 4.7 | 3.4 | 14.4 | 13.0 |
| 2011_Q3 | -0.7 | -8.7 | 23.4 | 20.2 | -26.5 | 20.0 | 4.7 | 2.7 | 2.7 | 35.8 | 9.1 |
| 2011_Q4 | 10.3 | 24.1 | 5.6 | -17.7 | -10.2 | 28.8 | 3.8 | 3.7 | 5.5 | 45.7 | 9.4 |
| 2012_Q1 | -13.7 | 3.0 | 32.2 | -5.4 | 6.7 | -7.8 | 0.0 | 5.0 | 1.8 | 64.3 | 9.4 |
| 2012_Q2 | 3.0 | 12.1 | 22.6 | 5.7 | 1.1 | 51.7 | 2.7 | 5.3 | 9.1 | 34.6 | 15.4 |
| 2012_Q3 | 16.2 | 18.1 | 13.9 | 17.9 | 23.3 | 16.2 | 4.7 | 5.9 | 9.2 | -8.7 | 11.6 |
| 2012_Q4 | 14.1 | -4.7 | 7.2 | 80.3 | 14.3 | 2.3 | 4.7 | 1.8 | 6.4 | -14.5 | 8.1 |
| 2013_Q1 | 24.1 | 8.5 | -31.1 | 43.1 | 28.9 | 17.0 | 6.2 | 8.4 | 8.8 | -1.0 | 1.8 |
| 2013_Q2 | 20.0 | 7.2 | -32.6 | 37.2 | 24.6 | -2.9 | 6.7 | 7.7 | 6.5 | 2.9 | -1.1 |
| 2013_Q3 | 18.4 | 6.9 | -14.4 | 38.7 | 28.8 | -11.9 | 6.1 | 4.4 | 7.8 | 18.1 | 5.2 |
| 2013_Q4 | 14.5 | 24.6 | -0.5 | 24.3 | 23.2 | -17.5 | 8.4 | 6.9 | 7.8 | 36.5 | 10.0 |
| 2014_Q1 | 1.5 | 19.5 | 21.4 | 25.2 | 13.2 | -19.8 | 3.3 | 5.5 | 11.4 | 21.2 | 10.5 |
| 2014_Q2 | 1.6 | 17.5 | 23.3 | 33.2 | 24.8 | -15.2 | -1.1 | 6.4 | 10.7 | 14.1 | 12.0 |
| 2014_Q3 | 1.9 | 14.0 | 5.2 | 31.8 | 25.3 | -8.6 | -2.6 | 8.2 | 3.6 | 11.2 | 8.5 |
| 2014_Q4 | 1.6 | -1.2 | 0.3 | 38.4 | 22.9 | -1.5 | -4.7 | 7.1 | -1.7 | -1.6 | 5.6 |
| 2015_Q1 | 8.4 | -1.1 | 5.1 | 36.2 | 26.5 | 0.5 | -4.3 | 8.0 | -1.8 | 4.1 | 8.8 |
| 2015_Q2 | 9.4 | -4.0 | 4.6 | 31.3 | 12.2 | 7.5 | -3.2 | 7.4 | 1.5 | 3.4 | 7.8 |
| 2015_Q3 | 8.5 | -4.2 | 7.8 | 28.2 | 1.9 | 7.8 | -0.1 | 6.5 | 8.3 | -4.8 | 6.9 |
| 2015_Q4 | 9.7 | 1.6 | 3.0 | 21.6 | 3.5 | 7.7 | 1.4 | 7.9 | 15.7 | -6.4 | 6.3 |
| 2016_Q1 | 8.5 | 1.4 | 3.3 | 19.6 | 2.2 | 9.6 | 3.4 | 7.9 | 21.4 | -7.4 | 6.3 |
| 2016_Q2 | 6.3 | 3.5 | 3.3 | 21.0 | 3.7 | 4.5 | 4.6 | 9.5 | 19.8 | -11.4 | 6.1 |
| 2016_Q3 | 4.6 | 1.7 | 2.0 | 21.2 | 6.2 | 2.8 | 2.2 | 10.0 | 19.1 | -8.5 | 5.8 |
| 2016_Q4 | 3.1 | 0.9 | 2.2 | 21.7 | 3.6 | 3.8 | 2.2 | 8.3 | 16.8 | -5.2 | 5.7 |
| 2017_Q1* | 3.5 | 0.1 | 1.8 | 20.4 | 4.0 | 3.6 | 0.9 | 7.2 | 3.4 | -5.7 | 4.9 |
| 2017_Q2* | 3.7 | -0.1 | 1.8 | 17.3 | 2.6 | 4.8 | 3.1 | 5.5 | 6.2 | -4.4 | 4.8 |
| 2017_Q3* | 3.4 | 1.2 | 2.0 | 14.9 | 0.9 | 6.7 | 4.0 | 7.7 | 10.8 | -3.3 | 5.0 |
| 2017_Q4* | 2.8 | 1.1 | 0.4 | 13.2 | 0.5 | 5.2 | 1.5 | 9.9 | 14.4 | -3.8 | 4.3 |
| 2018_Q1** | 2.2 | 1.2 | -0.6 | 16.3 | -2.6 | 6.7 | 3.1 | 9.3 | 21.9 | -3.7 | 4.7 |

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