



Ghana Statistical Service  
Statistical Newsletter, No. B12-2003

# Newsletter

## Quarterly Gross Domestic Product (QGDP)

### Third Quarter 2020



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## **Main points**

- Ghana provisional Real Gross Domestic Product (GDP) in volume terms was estimated to have contracted by 1.1 % in quarter three (July to September) of 2020 compared to the same period in 2019.
- When seasonally adjusted, Ghana Real GDP increased to -0.3% in quarter three (July to September) of 2020; from -0.8% recorded in quarter two (April to June) of 2020.
- The Agriculture Sector was the main driver of GDP growth, recording 8.3% in quarter 3, 2020.
- Key sub-sectors that contracted in quarter three of 2020 are:
  - Hotel and Restaurants (-62.1%);
  - Mining and Quarrying (-16.9%);
  - Trade, Repair of Vehicle, Household Goods (-7.7%);
  - Forestry & Logging (-6.8%) and.
- Main sub-sectors that expanded in quarter three of 2020 are:
  - Information & Communication (51.3%);
  - Fishing (20.4%);
  - Real Estate (12.2%) and;
  - Electricity (11.6%).

## **Things you need to note about this release**

Gross Domestic Product (GDP) growth is the main indicator of economic performance. There are three approaches used to measure GDP: the output approach, the expenditure approach and the income approach.

This Statistical Release contains independently compiled quarterly estimates of the Gross Domestic Product (GDP) for the 3<sup>rd</sup> quarter of 2020 using the production approach. The estimates are based on the 2008 System of National Accounts (SNA), the International Standard Industrial Classification (Rev.4) published by the United Nations, and the Quarterly National Accounts Manual: Concepts, Data Sources and Compilation prepared by the 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 are expressed in terms of the base year, 2013.

The Annual GDP estimates are derived independent of the quarterly estimates. Short-term indicators are used to estimate the quarterly GDP (see IMF's Quarterly National Accounts Manual: Concepts, Data Sources and Compilation) and benchmarked to the annual GDP.

**Current or Nominal GDP** is the value of final goods and services evaluated at current quarter prices.

**Constant or Real GDP** is the value of final goods and services evaluated at base year prices. In Ghana, the base year is 2013. By using the prices from the base-year (or holding prices constant over time), we eliminate the impact of rising prices on GDP in order to get a measure of "Real" economic activity.

## **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**

While the majority of revisions are made to the four most recent quarters of the series, there is no restriction on when an estimate of the quarterly series for a given period can be revised. The main causes of revisions are as follows:

- a) Incorporation of additional and improved data: Most revisions reflect the incorporation of a wider range of data. In particular, some data that were not

available at the release date are incorporated through revisions into subsequent releases.

- b) Reconciliation of quarterly and annual measures: The process of reconciling the quarterly measures with the annual measures can lead to further revisions. The quarterly measures of these series are based on a smaller range of data than the annual measures.
- c) The rebased provisional quarterly GDP estimates may be revised further and finalized based on the availability of additional data.

### **Related Publications**

Users may refer to other publications on GDP on the **GSS website:** **[www.statsghana.gov.gh](http://www.statsghana.gov.gh)**

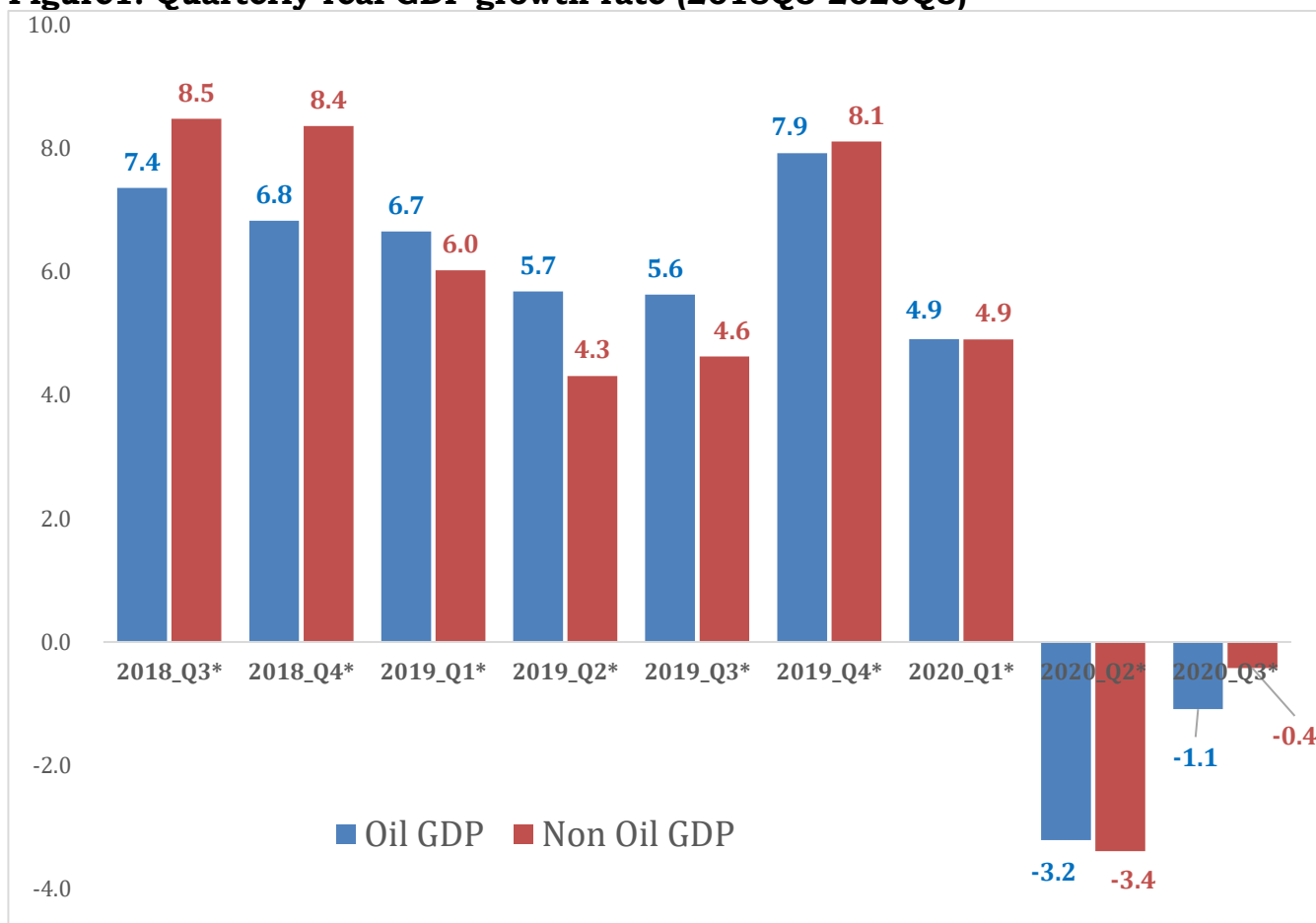
## Quarterly real GDP growth, Ghana: April to June 2020

Provisional real quarterly gross domestic product (QGDP) growth rate including Oil and Gas, is -1.1% (year on year) in the third quarter of 2020. In the same period of 2019, the growth was 5.6%.

GDP growth rate without oil and gas (Non-Oil GDP) for third quarter 2020 is -0.4% which compares to the same period in 2019 with a growth rate of 4.6%.

The Agriculture sector recorded the highest growth of 8.3%; the Industry and Services sectors contracted, -5.1% and -1.1% respectively.

**Figure1: Quarterly real GDP growth rate (2018Q3-2020Q3)**



## Real quarterly gross domestic product: July to September 2020

The **GDP** (Including Oil & Gas) estimate at constant 2013 prices for the 3<sup>rd</sup> quarter of 2020 was **GH¢41,059.6 million** compared to **GH¢41,511.4 million** in the 3<sup>rd</sup> quarter of 2019.

The **Non-oil GDP** at constant 2013 prices for the 3<sup>rd</sup> quarter of 2020 was **GH¢37,790.9 million** compared to **GH¢37,951.2 million** in the 3<sup>rd</sup> quarter of 2019.

**Table1: Year-on-year growth rates in 3<sup>rd</sup> quarter of 2020**

<b>Sector</b>	<b>Expanding sub-sectors</b>	<b>Contracting sub-sectors</b>
Agriculture (8.3%)	Fishing 20.4%	Forestry & Logging -6.8%
	Crops 9.0%	
	Livestock 5.8%	
Industry (-5.1%)	Electricity 11.6%	Mining & Quarrying -16.9%
	Water Supply, Sewerage, Waste Management & Remediation Activities 5.7%	
	Manufacturing 4.0%	
	Construction 3.6%	
Services (-1.1%)	Information & Communication 51.3%	Hotel & Restaurants -62.1% Trade, Repair of Vehicle, Household Goods -7.7%
	Real Estate 12.2%	
	Professional, Administrative & Support 9.3%	
	Health & Social Work 8.8%	
	Transport & Storage 6.3%	
	Education 5.5%	
	Finance & Insurance 3.4%	
	Public Administration & Defence, Social Security 2.5%	
	Other Personal Service Activities 1.2%	

**Nominal quarterly gross domestic product: July to September 2020**

The GDP estimate at current prices in purchaser's value<sup>1</sup> for the 3<sup>rd</sup> quarter of 2020 was **GH¢92,223.9 million** compared to **GH¢85,551.8 million** in the 3<sup>rd</sup> quarter of 2019.

The **Non-oil GDP** (GDP without Oil and Gas) estimate at current prices for the 3<sup>rd</sup> quarter of 2020 was **GH¢89,424.5 million** compared to **GH¢81,855.7 million** in the 3<sup>rd</sup> quarter of 2019.

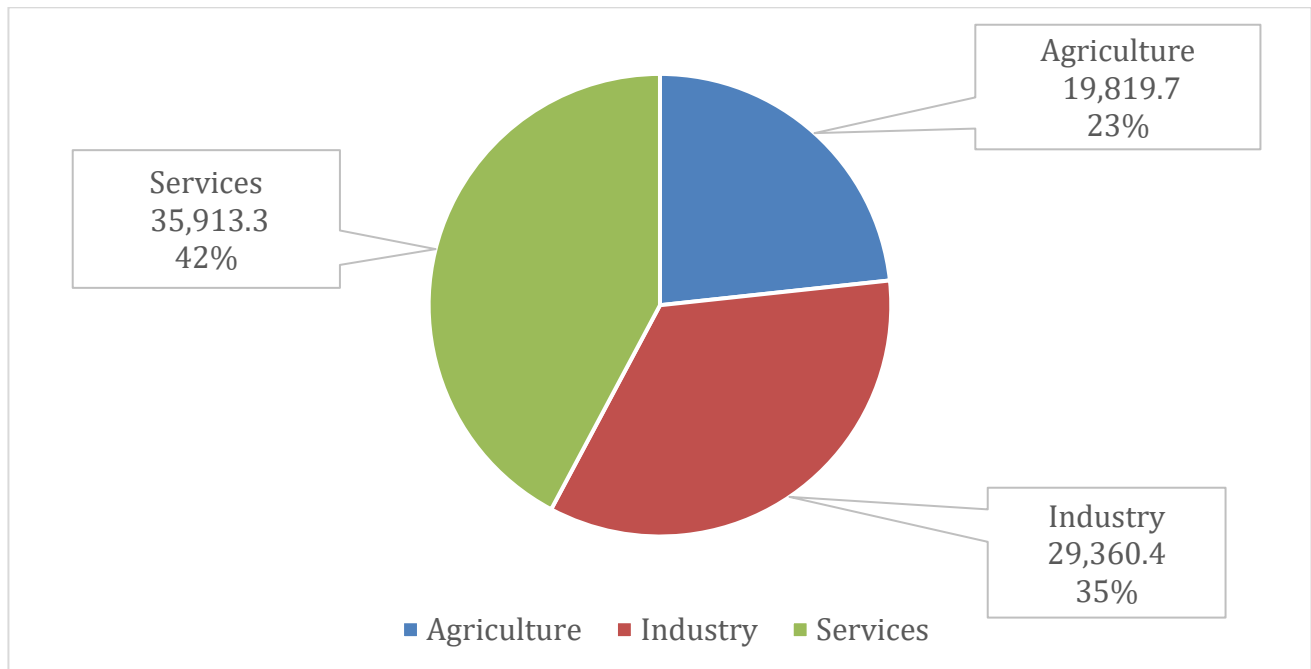
**GDP sectoral shares**


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The Services sector was the largest sector of the Ghanaian economy in the third quarter of 2020 with a share of 42 percent of GDP at basic prices. The GDP share of Industry and Agriculture were 35 percent and 23 percent respectively.

**Figure 2: Sectoral distribution (%) of nominal GDP at basic prices**



### Seasonally Adjusted GDP

**The Provisional quarter-on-quarter<sup>2</sup> seasonally-adjusted Real Gross Domestic Product (including Oil) growth rate for the 3<sup>rd</sup> quarter of 2020 was -0.3 percent.**

For the 3<sup>rd</sup> quarter of 2020, the quarter-on-quarter seasonally-adjusted growth rates (see Table 2) were as follows:

- In the Agriculture sector, the Fishing sub-sector grew by 7.7 percent in the 3<sup>rd</sup> quarter of 2020, compared to 0.05 percent in the 2<sup>nd</sup> quarter of 2020. The Crop subsector also grew by 2.2 percent compared to 0.6 percent recorded in the 2<sup>nd</sup> quarter of 2020, The Livestock sub-sector grew at a slightly lower rate of 1.1 percent in the 3<sup>rd</sup> quarter of 2020, compared to a growth of 1.2 percent in the 2<sup>nd</sup> quarter of 2020. The Forestry and Logging subsector contracted by 1.8 percent compared to a contraction of 2.1 percent in the 2<sup>nd</sup> quarter of 2020.
- Within the Industry sector, the Electricity sub-sector recorded 2.8 percent in the 3<sup>rd</sup> quarter of 2020, compared to 3.5 percent growth recorded in the 2<sup>nd</sup> quarter of 2020. Water Supply, Sewerage, Waste Management & Remediation Activities sub-sector grew by 1.4 percent in the 3<sup>rd</sup> quarter of 2020, compared

<sup>2</sup> Quarter-on-quarter GDP estimates provide a short term (within three months) picture of current economic developments. Estimates are influenced by seasonal patterns that are caused by economic behavior or recurrent exogenous factors such as weather patterns, holidays, religious events, festive seasons, etc.

to 2.4 percent in the 2<sup>nd</sup> quarter of 2020. Construction sub-sector grew by 1.0 percent in 3<sup>rd</sup> quarter of 2020, compared to 0.9 percent in the 2<sup>nd</sup> quarter of 2020. Manufacturing recovered from a contraction of -3.6 percent in 2<sup>nd</sup> quarter of 2020 to record a 1.1 percent growth rate in the 3<sup>rd</sup> quarter of 2020. The Mining and Quarrying sub-sector contracted by -4.5 percent in the 3<sup>rd</sup> quarter of 2020, from -1.4 percent recorded in the 2<sup>nd</sup> quarter of 2020.

- In the Services sector, Information and communication grew by 8.2 percent in the 3<sup>rd</sup> quarter of 2020 compared to 15.7 percent in the 2<sup>nd</sup> quarter of 2020. The Real Estate also slowed to 3.2 percent in the 3<sup>rd</sup> quarter of 2020 from 0.8 percent recorded in the 2<sup>nd</sup> quarter of 2020. Compare to 2<sup>nd</sup> quarter of 2020, the Public Administration & Defense, Social Security slowed down to a growth of 0.6 percent in 2020Q3. There were contractions in the sub-sectors of Hotel and Restaurants (-18.8) and Trade, Repair of Vehicle, Household Goods (-2.0%)



**Table 2: Quarter-on-quarter seasonally adjusted growth rates in 2020 Q3**

<b>Sector</b>	<b>Expanding sub-sectors</b>		<b>Contracting sub-sectors</b>	
Agriculture (2.0%)	Fishing	7.7%	Forestry & Logging	-1.8%
	Crops	2.2%		
	Livestock	1.1%		
Industry (-1.4%)	Electricity	2.8%	Mining & Quarrying	-4.5%
	Water Supply, Sewerage, Waste Management & Remediation Activities	1.4%		
	Manufacturing	1.1%		
	Construction	1.0%		
Services (-0.3%)	Information & Communication	8.2%	Hotel & Restaurants	-18.8%
	Real Estate	3.2%		
	Professional, Administrative & Support	2.5%		
	Health & Social Work	1.9%		
	Education	1.4%		
	Transport & Storage	1.4%		
	Finance & Insurance	0.7%		
	Public Administration & Defence, Social Security	0.6%		
	Other Personal Service Activities	0.3%		
			Trade, Repair of Vehicle, Household Goods	-2.0%

**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	Total Value Added (GDP @ basic prices)	Net indirect Taxes	Total (GDP in purchaser's value)	ow InformalGDP in purchaser's value	Total Non-Oil (GDP in purchaser's value)	Agriculture	Industry	Services	Total Value Added (GDP @ basic prices)	ow Informal GDP in purchaser's value
2013_Q1*	5,878.2	10,921.3	12,600.6	29,400.1	1,558.1	30,958.2	8,473.6	29,097.7	20.0	37.1	42.9	100.0	27.4
2013_Q2*	5,626.2	10,912.2	12,442.4	28,980.8	1,744.9	30,725.7	8,199.2	28,958.5	19.4	37.7	42.9	100.0	26.7
2013_Q3*	6,026.7	10,559.1	11,862.3	28,448.1	1,675.5	30,123.7	8,469.1	28,573.9	21.2	37.1	41.7	100.0	28.1
2013_Q4*	7,758.4	10,711.8	11,602.9	30,073.2	1,869.3	31,942.5	10,167.5	30,317.0	25.8	35.6	38.6	100.0	31.8
2014_Q1*	8,152.2	10,648.1	12,914.5	31,714.8	2,565.7	34,280.5	10,621.5	32,020.5	25.7	33.6	40.7	100.0	31.0
2014_Q2*	6,667.0	13,032.9	15,124.7	34,824.6	2,376.6	37,201.2	9,669.9	34,655.0	19.1	37.4	43.4	100.0	26.0
2014_Q3*	7,161.8	15,970.2	14,292.1	37,424.1	2,486.8	39,910.8	10,228.9	37,480.5	19.1	42.7	38.2	100.0	25.6
2014_Q4*	9,105.0	14,116.2	13,800.7	37,021.9	3,018.1	40,040.0	11,946.0	38,275.8	24.6	38.1	37.3	100.0	29.8
2015_Q1*	9,430.4	13,390.2	17,112.6	39,933.2	3,022.9	42,956.2	12,698.9	41,682.2	23.6	33.5	42.9	100.0	29.6
2015_Q2*	7,777.8	15,685.1	17,648.2	41,111.1	3,296.7	44,407.7	11,293.3	42,749.0	18.9	38.2	42.9	100.0	25.4
2015_Q3*	8,519.4	13,699.2	17,511.1	39,729.7	3,683.7	43,413.5	11,861.0	42,424.9	21.4	34.5	44.1	100.0	27.3
2015_Q4*	10,798.1	14,380.7	19,061.8	44,240.6	4,381.1	48,621.7	14,469.5	47,851.0	24.4	32.5	43.1	100.0	29.8
2016_Q1*	11,776.3	14,903.8	22,310.2	48,990.4	3,812.1	52,802.5	16,078.3	52,552.9	24.0	30.4	45.5	100.0	30.4
2016_Q2*	9,411.9	14,614.2	23,206.5	47,232.6	4,356.7	51,589.3	13,821.8	51,459.1	19.9	30.9	49.1	100.0	26.8
2016_Q3*	10,518.0	15,187.8	22,676.6	48,382.3	3,809.9	52,192.2	14,863.3	51,951.4	21.7	31.4	46.9	100.0	28.5
2016_Q4*	13,410.2	16,003.2	24,486.5	53,900.0	4,593.0	58,493.0	18,153.6	58,086.6	24.9	29.7	45.4	100.0	31.0
2017_Q1*	13,147.3	18,508.1	26,933.9	58,589.3	3,965.0	62,554.3	18,411.3	61,378.3	22.4	31.6	46.0	100.0	29.4
2017_Q2*	10,230.5	19,587.9	28,593.5	58,411.9	4,329.5	62,741.5	15,870.0	61,228.3	17.5	33.5	49.0	100.0	25.3
2017_Q3*	12,213.4	19,776.2	26,614.7	58,604.3	4,844.3	63,448.6	17,510.4	60,996.2	20.8	33.7	45.4	100.0	27.6
2017_Q4*	14,963.2	20,142.8	27,555.4	62,661.5	5,265.5	67,927.0	20,456.3	64,622.6	23.9	32.1	44.0	100.0	30.1
2018_Q1*	14,575.5	21,522.4	31,613.9	67,711.8	5,249.4	72,961.1	20,855.2	70,352.7	21.5	31.8	46.7	100.0	28.6
2018_Q2*	11,128.2	23,712.9	32,706.6	67,547.7	4,921.8	72,469.5	17,787.7	69,813.9	16.5	35.1	48.4	100.0	24.5
2018_Q3*	13,199.9	24,318.0	31,336.3	68,854.2	5,367.7	74,221.9	19,685.6	70,799.8	19.2	35.3	45.5	100.0	26.5
2018_Q4*	16,020.0	25,217.1	33,622.2	74,859.2	6,084.4	80,943.6	22,925.3	77,981.2	21.4	33.7	44.9	100.0	28.3
2019_Q1*	15,569.5	26,208.7	37,345.4	79,123.6	5,727.0	84,850.6	23,262.7	81,897.4	19.7	33.1	47.2	100.0	27.4
2019_Q2*	12,080.1	27,998.5	38,715.0	78,793.5	5,518.5	84,312.0	20,173.4	80,645.1	15.3	35.5	49.1	100.0	23.9
2019_Q3*	14,765.9	28,489.7	36,573.2	79,828.9	5,722.9	85,551.8	22,495.8	81,855.7	18.5	35.7	45.8	100.0	26.3
2019_Q4*	18,066.8	29,113.1	41,636.2	88,816.2	5,949.9	94,766.0	26,598.3	90,234.1	20.3	32.8	46.9	100.0	28.1
2020_Q1*	17,651.3	27,832.1	42,467.6	87,950.9	4,536.0	92,487.0	26,444.0	89,900.6	20.1	31.6	48.3	100.0	28.6
2020_Q2*	15,580.1	26,981.1	38,847.6	81,408.9	6,875.9	88,284.8	23,675.5	85,507.5	19.1	33.1	47.7	100.0	26.8
2020_Q3*	19,819.7	29,360.4	35,913.3	85,093.4	7,130.5	92,223.9	27,546.2	89,424.5	23.3	34.5	42.2	100.0	29.9

\*Provisional

**Appendix 2 - Quarterly value added and GDP at constant 2013 prices by economic activity**

Year Quarter	Quarterly Value Added (GHc Million)								Year-on-Year change (%)					
	Agriculture	Industry	Services	Total Value Added (GDP @ basic prices)	Net indirect Taxes	Total (Oil GDP in purchaser's value)	Low Informal GDP in purchaser's value	Total (Non Oil GDP)***	Agriculture	Industry	Services	Total (Oil GDP)***	Low Informal GDP in purchaser's value	Total (Non-oil GDP)***
2013_Q1*	5,878.2	10,921.3	12,600.6	<b>29,400.1</b>	1,443.3	<b>30,843.4</b>	8,473.6	<b>29,052.0</b>						
2013_Q2*	5,626.2	10,912.2	12,442.4	<b>28,980.8</b>	1,657.5	<b>30,638.3</b>	8,199.2	<b>28,910.2</b>						
2013_Q3*	6,026.7	10,559.1	11,862.3	<b>28,448.1</b>	1,683.9	<b>30,132.0</b>	8,469.1	<b>28,568.3</b>						
2013_Q4*	7,758.4	10,711.8	11,502.9	<b>29,973.2</b>	2,063.1	<b>32,036.3</b>	10,149.6	<b>30,316.6</b>						
2014_Q1*	6,361.7	9,835.6	12,933.4	<b>29,130.8</b>	1,408.9	<b>30,539.7</b>	9,011.3	<b>28,735.7</b>	8.2	-9.9	2.6	<b>-1.0</b>	<b>6.3</b>	<b>-1.1</b>
2014_Q2*	5,456.3	11,146.2	13,601.5	<b>30,204.0</b>	1,750.7	<b>31,954.7</b>	8,259.3	<b>30,235.5</b>	-3.0	2.1	9.3	<b>4.3</b>	<b>0.7</b>	<b>4.6</b>
2014_Q3*	6,038.5	12,096.1	12,520.6	<b>30,655.2</b>	1,864.7	<b>32,519.9</b>	8,693.1	<b>30,690.0</b>	0.2	14.6	5.5	<b>7.9</b>	<b>2.6</b>	<b>7.4</b>
2014_Q4*	7,671.4	10,521.5	11,961.3	<b>30,154.3</b>	2,080.0	<b>32,234.3</b>	10,102.4	<b>30,321.1</b>	-1.1	-1.8	4.0	<b>0.6</b>	<b>-0.5</b>	<b>0.0</b>
2015_Q1*	6,838.3	10,675.8	13,466.0	<b>30,980.1</b>	1,526.1	<b>32,506.1</b>	9,603.2	<b>30,633.3</b>	7.5	8.5	4.1	<b>6.4</b>	<b>6.6</b>	<b>6.6</b>
2015_Q2*	5,574.3	11,720.4	13,267.2	<b>30,561.9</b>	1,770.3	<b>32,332.2</b>	8,385.9	<b>30,515.2</b>	2.2	5.2	-2.5	<b>1.2</b>	<b>1.5</b>	<b>0.9</b>
2015_Q3*	6,076.9	11,400.7	12,702.3	<b>30,179.8</b>	1,821.8	<b>32,001.6</b>	8,762.6	<b>30,295.3</b>	0.6	-5.7	1.5	<b>-1.6</b>	<b>0.8</b>	<b>-1.3</b>
2015_Q4*	7,614.0	10,283.9	13,111.1	<b>31,009.0</b>	2,157.0	<b>33,166.0</b>	10,279.9	<b>31,149.7</b>	-0.7	-2.3	9.6	<b>2.9</b>	<b>1.8</b>	<b>2.7</b>
2016_Q1*	6,863.5	11,242.4	13,825.1	<b>31,931.0</b>	1,588.3	<b>33,519.3</b>	9,744.2	<b>32,100.2</b>	0.4	5.3	2.7	<b>3.1</b>	<b>1.5</b>	<b>4.8</b>
2016_Q2*	5,758.7	11,023.8	13,675.1	<b>30,457.7</b>	1,835.6	<b>32,293.3</b>	8,571.5	<b>31,555.1</b>	3.3	-5.9	3.1	<b>-0.1</b>	<b>2.2</b>	<b>3.4</b>
2016_Q3*	6,310.1	12,411.5	13,022.9	<b>31,744.4</b>	1,935.2	<b>33,679.7</b>	9,106.5	<b>31,866.5</b>	3.8	8.9	2.5	<b>5.2</b>	<b>3.9</b>	<b>5.2</b>
2016_Q4*	7,930.0	11,311.8	13,491.2	<b>32,732.9</b>	2,293.7	<b>35,026.6</b>	10,725.9	<b>32,742.5</b>	4.2	10.0	2.9	<b>5.6</b>	<b>4.3</b>	<b>5.1</b>
2017_Q1*	7,333.6	12,961.8	14,020.2	<b>34,315.7</b>	1,696.8	<b>36,012.5</b>	10,352.9	<b>33,760.0</b>	6.8	15.3	1.4	<b>7.4</b>	<b>6.2</b>	<b>5.2</b>
2017_Q2*	5,980.3	13,316.1	14,601.0	<b>33,897.4</b>	1,971.9	<b>35,869.3</b>	9,125.0	<b>33,651.3</b>	3.8	20.8	6.8	<b>11.1</b>	<b>6.5</b>	<b>6.6</b>
2017_Q3*	6,835.5	14,152.1	13,622.6	<b>34,610.2</b>	1,995.4	<b>36,605.6</b>	9,870.5	<b>33,438.6</b>	8.3	14.0	4.6	<b>8.7</b>	<b>8.4</b>	<b>4.9</b>
2017_Q4*	8,353.8	12,761.4	13,532.4	<b>34,647.6</b>	2,303.2	<b>36,950.8</b>	11,257.7	<b>33,309.8</b>	5.3	12.8	0.3	<b>5.5</b>	<b>5.0</b>	<b>1.7</b>
2018_Q1*	7,676.1	14,313.4	14,214.4	<b>36,204.0</b>	1,766.2	<b>37,970.1</b>	10,805.0	<b>35,182.7</b>	4.7	10.4	1.4	<b>5.4</b>	<b>4.4</b>	<b>4.2</b>
2018_Q2*	6,267.9	14,789.7	14,673.1	<b>35,730.8</b>	2,074.1	<b>37,804.9</b>	9,521.6	<b>35,317.9</b>	4.8	11.1	0.5	<b>5.4</b>	<b>4.3</b>	<b>5.0</b>
2018_Q3*	7,209.8	15,803.2	14,095.4	<b>37,108.5</b>	2,190.9	<b>39,299.4</b>	10,458.5	<b>36,272.7</b>	5.5	11.7	3.5	<b>7.4</b>	<b>6.0</b>	<b>8.5</b>
2018_Q4*	8,723.6	13,902.1	14,311.8	<b>36,937.5</b>	2,535.7	<b>39,473.2</b>	11,862.6	<b>36,093.9</b>	4.4	8.9	5.8	<b>6.8</b>	<b>5.4</b>	<b>8.4</b>
2019_Q1*	7,845.5	15,518.3	15,238.7	<b>38,602.6</b>	1,893.3	<b>40,495.9</b>	11,283.7	<b>37,301.0</b>	2.2	8.4	7.2	<b>6.7</b>	<b>4.4</b>	<b>6.0</b>
2019_Q2*	6,464.4	15,690.4	15,626.4	<b>37,781.2</b>	2,171.4	<b>39,952.6</b>	9,994.0	<b>36,839.7</b>	3.1	6.1	6.5	<b>5.7</b>	<b>5.0</b>	<b>4.3</b>
2019_Q3*	7,638.8	16,701.0	14,894.4	<b>39,234.1</b>	2,277.3	<b>41,511.4</b>	11,104.3	<b>37,951.2</b>	5.9	5.7	5.7	<b>5.6</b>	<b>6.2</b>	<b>4.6</b>
2019_Q4*	9,317.4	14,649.9	15,884.2	<b>39,851.6</b>	2,748.5	<b>42,600.0</b>	12,764.0	<b>39,021.3</b>	6.8	5.4	11.0	<b>7.9</b>	<b>7.6</b>	<b>8.1</b>
2020_Q1*	8,063.2	15,744.6	16,692.0	<b>40,499.8</b>	1,983.5	<b>42,483.3</b>	11,814.5	<b>39,130.1</b>	2.8	1.5	9.5	<b>4.9</b>	<b>4.7</b>	<b>4.9</b>
2020_Q2*	6,628.6	14,794.7	15,219.4	<b>36,642.6</b>	2,027.6	<b>38,670.3</b>	10,056.9	<b>35,590.4</b>	2.5	-5.7	-2.6	<b>-3.2</b>	<b>0.6</b>	<b>-3.4</b>
2020_Q3*	8,269.3	15,851.6	14,736.7	<b>38,857.5</b>	2,202.1	<b>41,059.6</b>	11,674.5	<b>37,790.9</b>	8.3	-5.1	-1.1	<b>-1.1</b>	<b>5.1</b>	<b>-0.4</b>

\*Provisional

**Appendix 3- Seasonally adjusted quarterly value added and Gross Domestic Product at constant 2013 prices by economic activity**

Year	Quarter	Quarterly Value Added (Ghc Million)						Quarter-on-Quarter Change (%)					
		Agriculture	Industry	Service	Total Value Added (GDP @ basic prices)	Net indirect Taxes	Total (GDP in purchaser's value)	ow Informal GDP in purchaser's value	Agriculture	Industry	Service	Total GDP***	ow Informal GDP in purchaser's value
2013_Q1*		5,878.2	10,921.3	12,580.6	<b>29,380.1</b>	1,443.3	<b>30,823.4</b>	8,470.1	-	-	-	-	-
2013_Q2*		5,752.2	10,916.7	12,496.1	<b>29,165.1</b>	1,550.4	<b>30,715.5</b>	8,331.9	-2.1	0.0	-0.7	-0.4	-1.6
2013_Q3*		5,843.7	10,797.5	12,291.4	<b>28,932.6</b>	1,594.9	<b>30,527.5</b>	8,378.8	1.6	-1.1	-1.6	-0.6	0.6
2013_Q4*		6,322.4	10,776.1	12,102.1	<b>29,200.5</b>	1,712.0	<b>30,912.5</b>	8,822.9	8.2	-0.2	-1.5	1.3	5.3
2014_Q1*		6,443.3	10,504.7	12,190.3	<b>29,138.2</b>	1,703.4	<b>30,841.6</b>	8,958.2	1.9	-2.5	0.7	-0.2	1.5
2014_Q2*		6,400.8	10,563.2	12,487.7	<b>29,451.7</b>	1,726.7	<b>31,178.4</b>	8,974.6	-0.7	0.6	2.4	1.1	0.2
2014_Q3*		6,403.7	10,947.4	12,647.4	<b>29,998.6</b>	1,771.9	<b>31,770.5</b>	9,029.7	0.0	3.6	1.3	1.9	0.6
2014_Q4*		6,382.0	10,899.9	12,754.2	<b>30,036.0</b>	1,773.3	<b>31,809.3</b>	9,016.5	-0.3	-0.4	0.8	0.1	-0.1
2015_Q1*		6,501.1	11,109.9	12,887.3	<b>30,498.4</b>	1,802.6	<b>32,300.9</b>	9,164.5	1.9	1.9	1.0	1.5	1.6
2015_Q2*		6,530.6	11,253.5	12,803.8	<b>30,587.9</b>	1,807.4	<b>32,395.3</b>	9,196.1	0.5	1.3	-0.6	0.3	0.3
2015_Q3*		6,540.2	11,079.6	12,849.2	<b>30,469.0</b>	1,796.7	<b>32,265.7</b>	9,213.5	0.1	-1.5	0.4	-0.4	0.2
2015_Q4*		6,525.9	11,020.2	13,136.7	<b>30,682.7</b>	1,815.8	<b>32,498.5</b>	9,257.9	-0.2	-0.5	2.2	0.7	0.5
2016_Q1*		6,532.2	11,161.8	13,226.4	<b>30,920.4</b>	1,831.4	<b>32,751.8</b>	9,293.1	0.1	1.3	0.7	0.8	0.4
2016_Q2*		6,578.3	10,987.7	13,328.4	<b>30,894.4</b>	1,847.8	<b>32,742.1</b>	9,339.5	0.7	-1.6	0.8	0.0	0.5
2016_Q3*		6,636.6	11,240.4	13,408.6	<b>31,285.5</b>	1,876.1	<b>33,161.7</b>	9,425.5	0.9	2.3	0.6	1.3	0.9
2016_Q4*		6,715.6	11,497.4	13,503.6	<b>31,716.5</b>	1,910.1	<b>33,626.6</b>	9,537.0	1.2	2.3	0.7	1.4	1.2
2017_Q1*		6,833.1	11,927.2	13,552.3	<b>32,312.7</b>	1,935.9	<b>34,245.3</b>	9,689.2	1.8	3.7	0.4	1.8	1.6
2017_Q2*		6,888.5	12,500.3	13,783.8	<b>33,172.6</b>	1,967.1	<b>35,139.7</b>	9,827.6	0.8	4.8	1.7	2.6	1.4
2017_Q3*		7,019.9	12,935.4	13,933.7	<b>33,889.0</b>	1,980.2	<b>35,869.2</b>	10,018.6	1.9	3.5	1.1	2.1	1.9
2017_Q4*		7,125.8	13,297.9	13,944.1	<b>34,367.7</b>	1,991.8	<b>36,359.5</b>	10,151.5	1.5	2.8	0.1	1.4	1.3
2018_Q1*		7,211.4	13,635.8	13,992.6	<b>34,839.8</b>	2,009.2	<b>36,849.0</b>	10,264.6	1.2	2.5	0.3	1.3	1.1
2018_Q2*		7,283.3	14,004.2	14,010.6	<b>35,298.1</b>	2,034.7	<b>37,332.9</b>	10,363.7	1.0	2.7	0.1	1.3	1.0
2018_Q3*		7,376.9	14,417.0	14,128.8	<b>35,922.7</b>	2,083.6	<b>38,006.3</b>	10,510.7	1.3	2.9	0.8	1.8	1.4
2018_Q4*		7,469.4	14,702.1	14,323.7	<b>36,495.2</b>	2,141.7	<b>38,636.9</b>	10,661.9	1.3	2.0	1.4	1.7	1.4
2019_Q1*		7,511.7	15,003.3	14,579.8	<b>37,094.8</b>	2,173.5	<b>39,268.4</b>	10,781.6	0.6	2.0	1.8	1.6	1.1
2019_Q2*		7,560.8	15,228.5	14,818.1	<b>37,607.4</b>	2,197.8	<b>39,805.3</b>	10,899.7	0.7	1.5	1.6	1.4	1.1
2019_Q3*		7,668.1	15,452.9	15,017.8	<b>38,138.8</b>	2,219.4	<b>40,358.3</b>	11,061.2	1.4	1.5	1.3	1.4	1.5
2019_Q4*		7,816.5	15,639.9	15,410.9	<b>38,867.3</b>	2,272.6	<b>41,140.0</b>	11,286.5	1.9	1.2	2.6	1.9	2.0
2020_Q1*		7,870.9	15,696.5	15,774.2	<b>39,341.6</b>	2,295.2	<b>41,636.8</b>	11,419.2	0.7	0.4	2.4	1.2	1.2
2020_Q2*		7,912.0	15,472.5	15,672.5	<b>39,057.0</b>	2,259.2	<b>41,316.2</b>	11,434.9	0.5	-1.4	-0.6	-0.8	0.1
2020_Q3*		8,069.6	15,260.2	15,633.1	<b>38,962.9</b>	2,240.4	<b>41,203.3</b>	11,577.5	2.0	-1.4	-0.3	-0.3	1.2

\*Provisional