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REPUBLIC OF GHANA

Ministry of Finance

Quarterly Public Debt Statistics Bulletin

Quarter Four, 2017



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## **Disclaimer**

The figures presented herein are subject to change based on the availability of new information; all figures presented here are, therefore, provisional.

## 1.0 Total Public Debt

Table 1 Public debt by source (millions of US Dollars unless otherwise specified)

	2015			2016			2017					
	OCT	NOV	DEC	OCT	NOV	DEC	MAR	JUN	SEP	OCT	NOV	DEC
<b>1. External debt</b>	<b>15,404.77</b>	<b>15,395.06</b>	<b>15,781.89</b>	<b>16,651.86</b>	<b>16,571.88</b>	<b>16,460.99</b>	<b>16,812.28</b>	<b>17,099.42</b>	<b>17,255.10</b>	<b>16,940.55</b>	<b>17,017.06</b>	<b>17,160.41</b>
Multilateral Institutions	5,113.77	5,028.41	5,379.45	5,521.76	5,594.37	5,547.96	5,645.47	5,940.71	6,196.26	6,123.09	6,179.53	6,436.84
IMF	780.77	766.65	753.00	743.60	732.98	726.47	737.21	882.95	980.54	974.83	983.83	958.26
IDA	3,044.15	2,987.85	3,279.33	3,415.75	3,428.02	3,435.40	3,499.41	3,630.76	3,674.71	3,671.24	3,709.68	3,921.68
AfDB	945.98	936.85	967.16	1,008.60	1,077.53	1,032.99	1,056.78	1,069.62	1,180.33	1,118.77	1,128.61	1,200.02
IFAD	124.11	121.87	152.07	138.02	135.64	137.44	141.07	142.59	146.32	146.19	144.52	144.01
Other	218.76	215.21	227.88	215.77	220.20	215.67	211.00	214.79	214.35	212.06	212.90	212.87
Official Bilateral	1,059.56	1,035.87	1,096.32	1,177.33	1,150.55	1,136.47	1,183.32	1,212.43	1,213.02	1,204.62	1,217.65	1,210.67
Paris club	629.96	608.34	668.07	691.64	668.19	663.57	687.47	720.76	751.24	734.88	742.20	746.35
Non-Paris club	429.60	427.53	428.26	485.70	482.36	472.90	495.85	491.67	461.78	469.73	475.44	464.32
Other Creditors <sup>1</sup>	9,231.44	9,330.78	9,306.12	9,952.77	9,826.96	9,776.57	9,983.49	9,946.27	9,845.83	9,612.84	9,619.88	9,512.90
<b>2. Domestic debt</b>	<b>10,010.10</b>	<b>10,173.27</b>	<b>10,621.43</b>	<b>13,082.49</b>	<b>13,299.89</b>	<b>12,766.16</b>	<b>12,724.11</b>	<b>14,647.42</b>	<b>14,382.99</b>	<b>14,547.82</b>	<b>14,533.28</b>	<b>15,102.08</b>
Banking system	5,093.77	4,951.41	5,361.69	6,531.91	6,830.73	6,653.86	5,385.79	5,396.24	5,124.78	5,183.85	5,379.77	5,348.09
Non-bank sector	3,178.28	3,323.60	3,379.68	3,573.53	3,456.47	3,223.98	4,010.53	4,064.63	3,919.19	3,878.94	3,728.09	3,907.31
Non-residents	1,594.01	1,754.26	1,769.47	2,871.19	2,907.26	2,771.66	3,215.37	5,074.74	5,284.68	5,439.18	5,388.84	5,811.43
Loans	144.03	144.00	110.60	105.86	105.43	116.65	112.42	111.82	54.34	45.85	36.58	35.25
<b>3. Total public debt (1 + 2)</b>	<b>25,414.86</b>	<b>25,568.33</b>	<b>26,403.33</b>	<b>29,734.35</b>	<b>29,871.77</b>	<b>29,227.15</b>	<b>29,536.39</b>	<b>31,746.84</b>	<b>31,638.09</b>	<b>31,488.36</b>	<b>31,550.34</b>	<b>32,262.49</b>
<b>Memorandum items<sup>2</sup></b>												
Public debt (GHS millions)	96,253.71	96,852.83	100,234.95	117,935.35	118,961.36	122,263.01	128,205.65	138,543.21	139,334.16	137,805.67	139,282.14	142,484.05
External debt	58,342.48	58,316.49	59,912.81	66,046.28	65,995.86	68,859.62	72,975.37	74,621.86	75,991.47	74,138.61	75,123.51	75,787.22
Domestic debt	37,911.23	38,536.34	40,322.14	51,889.07	52,965.49	53,403.39	55,230.28	63,921.35	63,342.69	63,667.06	64,158.63	66,696.83
<b>NET DEBT</b>												
<b>Financial Assets<sup>2</sup></b>						<b>122.05</b>	<b>122.03</b>	<b>1,737.99</b>	<b>1,723.29</b>	<b>1,733.41</b>	<b>1,719.44</b>	<b>1,810.03</b>
DSRA (USD)						119.03	119.03	119.03	119.03	119.03	119.03	210.28
DSRA (GHS); Converted to USD						-	-	1,615.98	1,601.30	1,611.40	1,597.46	1,596.81
Debt Recovery Account						0.91	0.88	0.87	0.87	0.87	0.86	0.86
SOE ESCROW ACCOUNTS						2.10	2.12	2.11	2.09	2.10	2.08	2.08
<b>Net Public Debt USD millions</b>						<b>29,105.10</b>	<b>29,414.36</b>	<b>30,008.85</b>	<b>29,914.80</b>	<b>29,754.96</b>	<b>29,830.90</b>	<b>30,452.46</b>
<b>Net Public Debt GHS millions</b>						<b>121,752.45</b>	<b>127,675.96</b>	<b>130,958.60</b>	<b>131,744.79</b>	<b>130,219.59</b>	<b>131,691.51</b>	<b>134,490.22</b>

Source: Ministry of Finance and Bank of Ghana.

<sup>1</sup> Includes sovereign bonds, commercial credits, and other semi-concessional credits.

<sup>2</sup> DSRA: Debt Service Reserve Account, SOE: State-Owned Enterprises

Figure 1 Trends in public debt (Q4, 2015 – Q4, 2017)

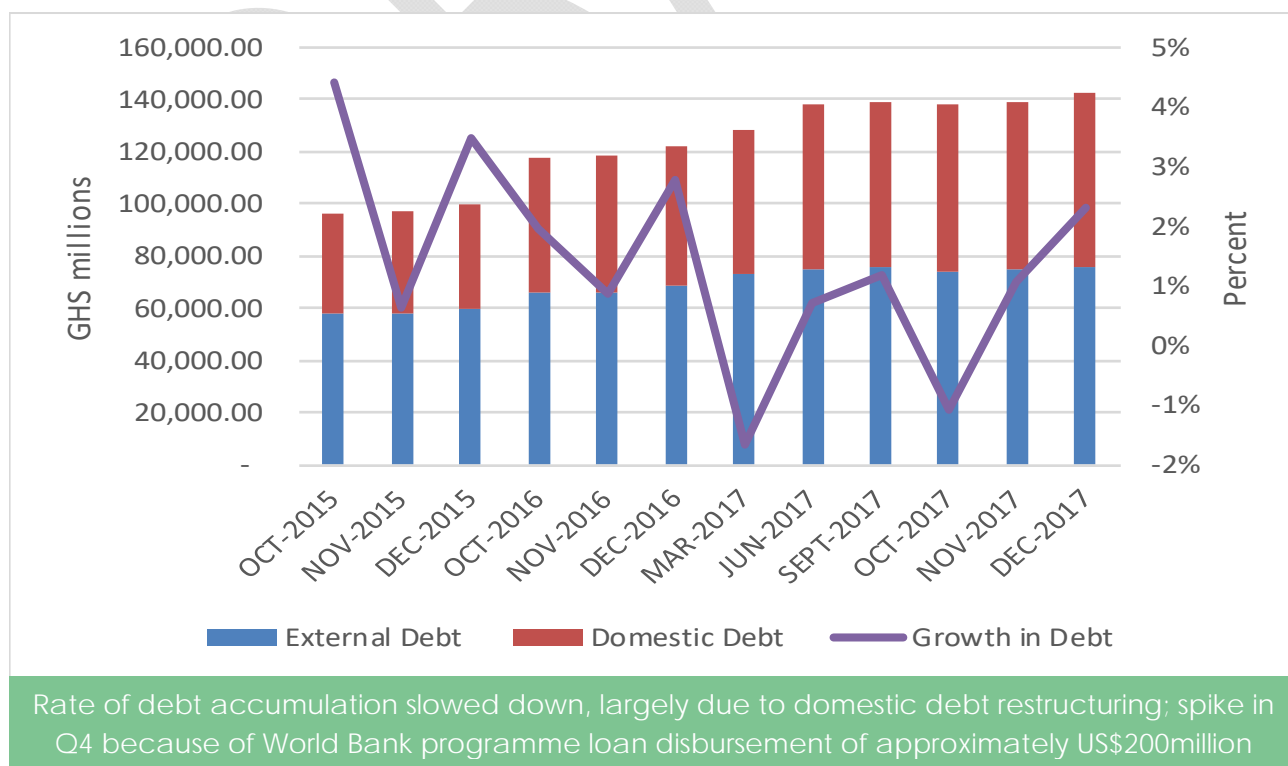
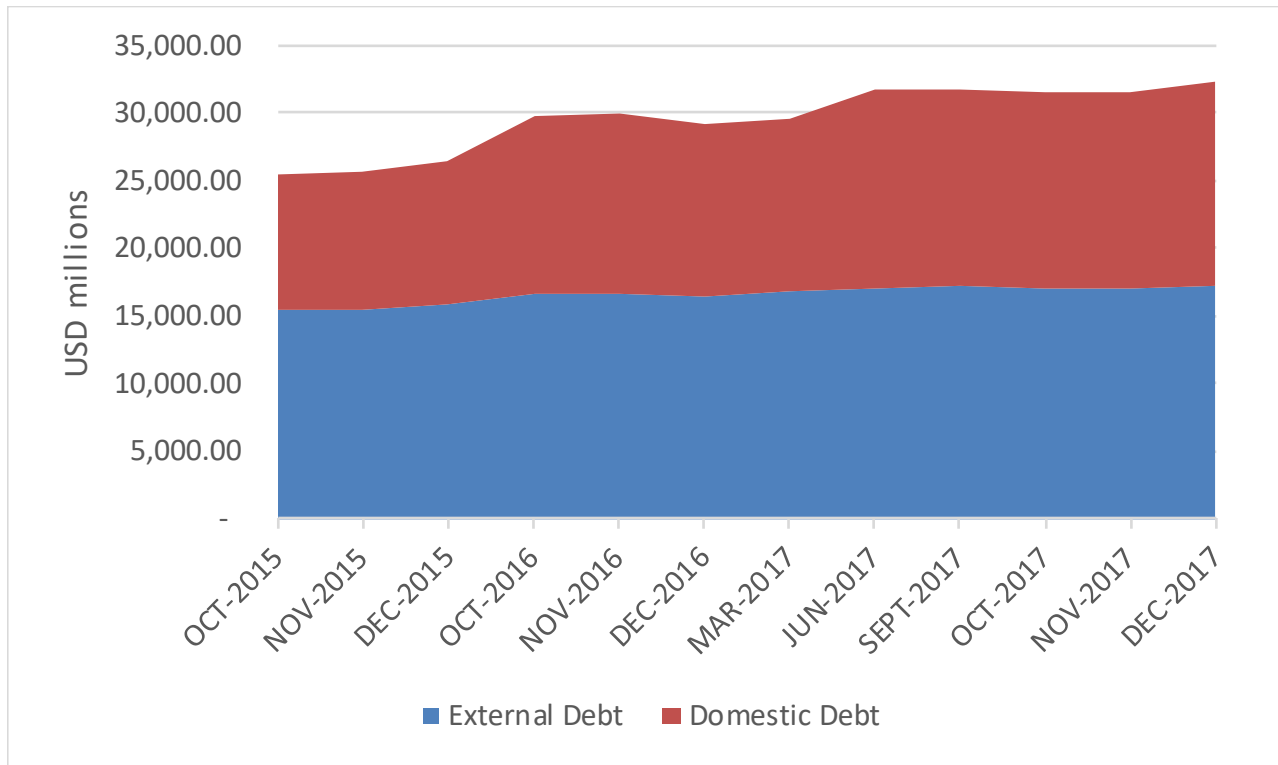


Figure 2 Share of public debt (Q4, 2015 – Q4, 2017)

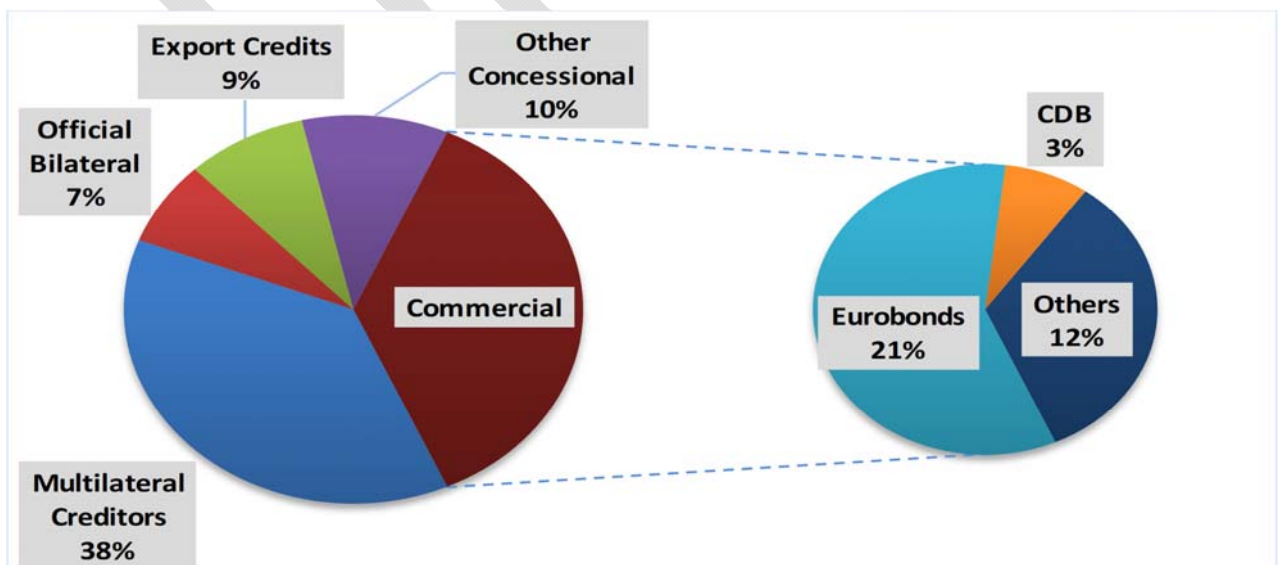


External debt the main driver of public debt growth; domestic debt however influences the fluctuations in the growth of debt.

## 2.0 External Debt

### 2.1 External Debt Stock by Creditor Category

Figure 3 External debt stock composition by creditor category



Commercial debt has overtaken Multilateral debt as the largest source of external financing due to issuance of four (4) Eurobonds since 2013

## 2.2 Currency and Interest Rate Composition of External Debt Stock

Figure 4 Trends in currency composition of external debt

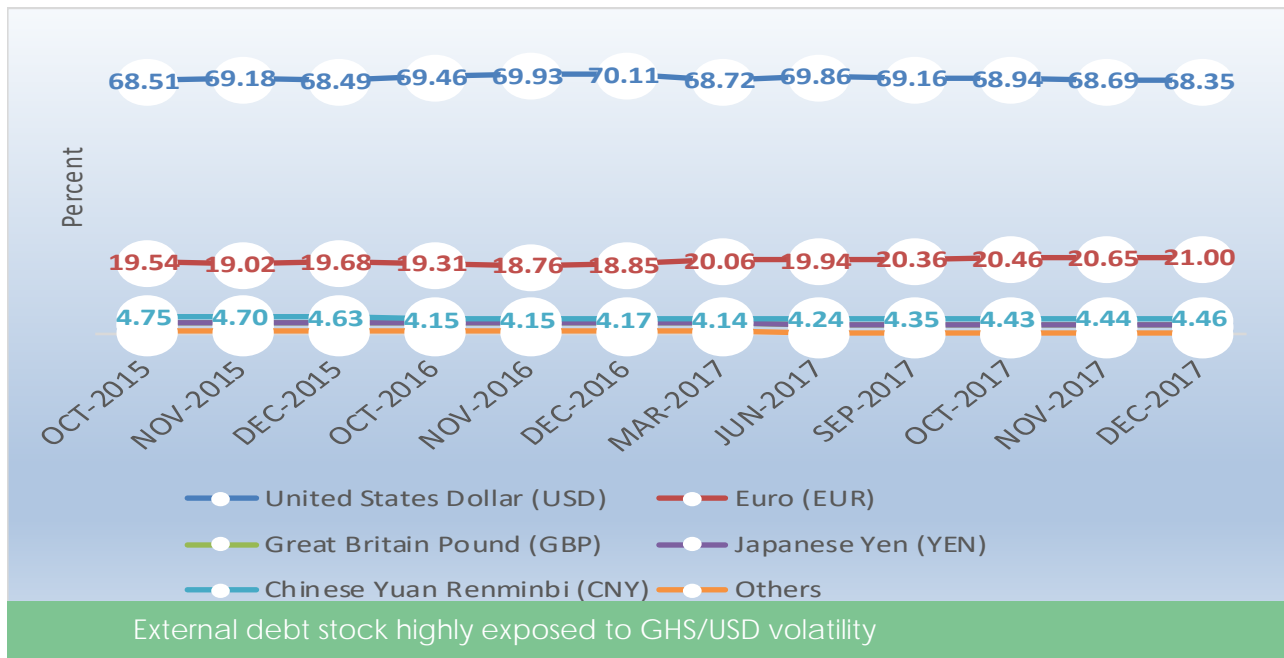


Figure 5 Currency composition of external debt stock End December, 2017(percent)

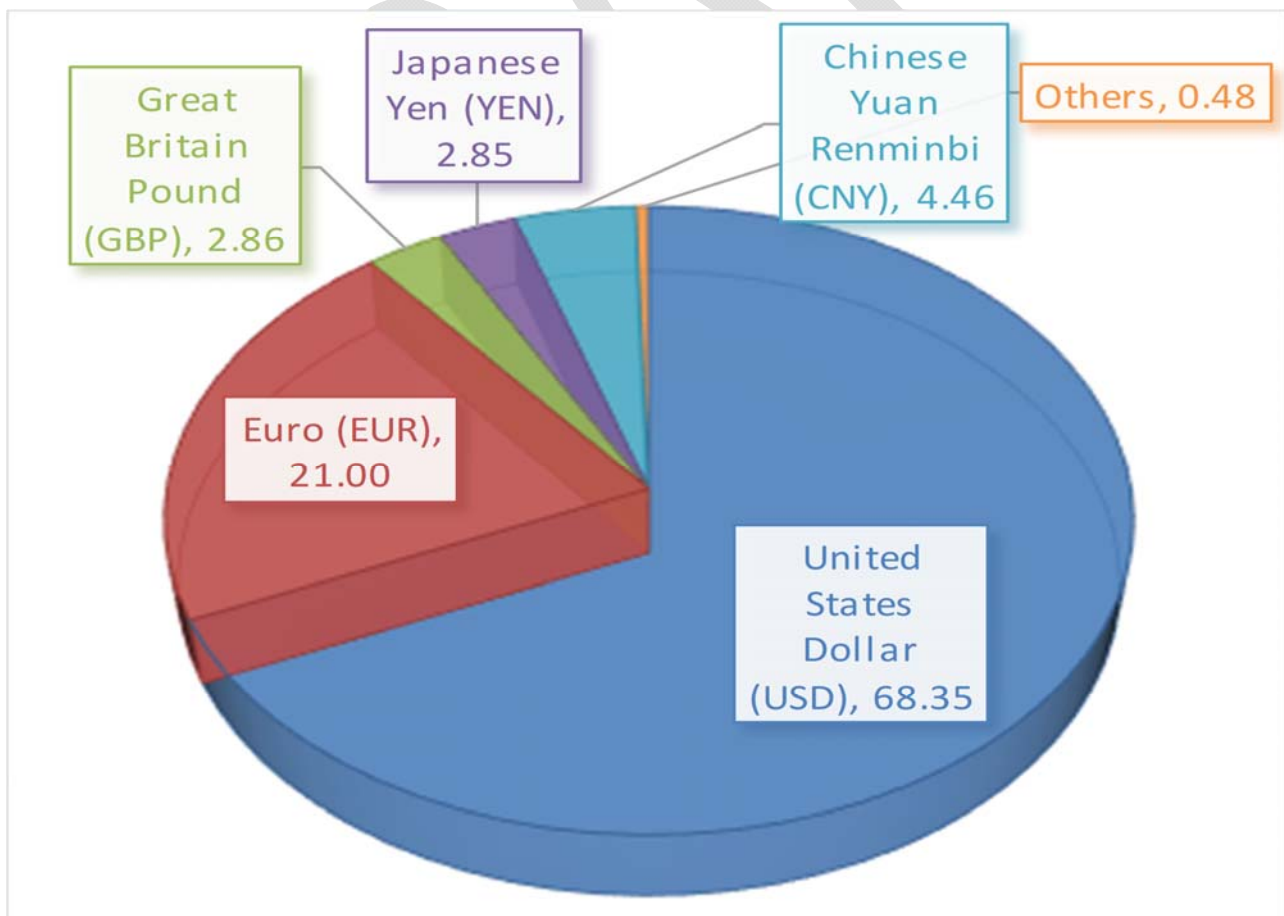


Figure 6 Trends in interest rate composition of external debt

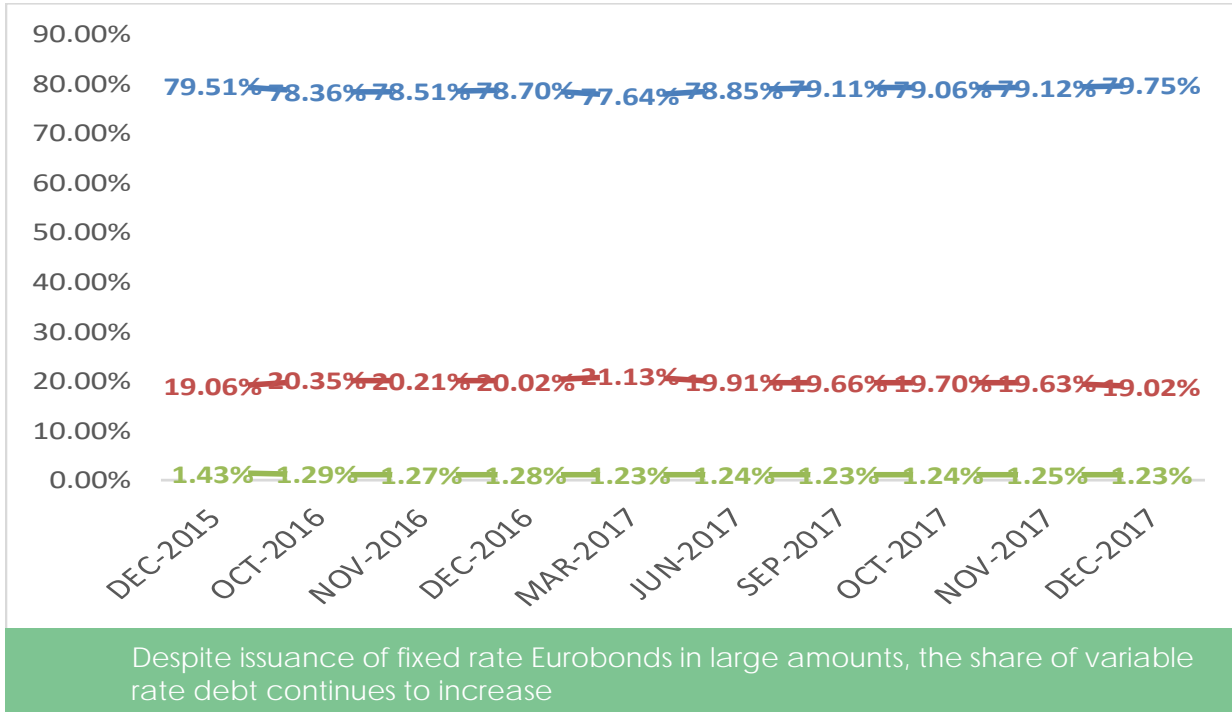
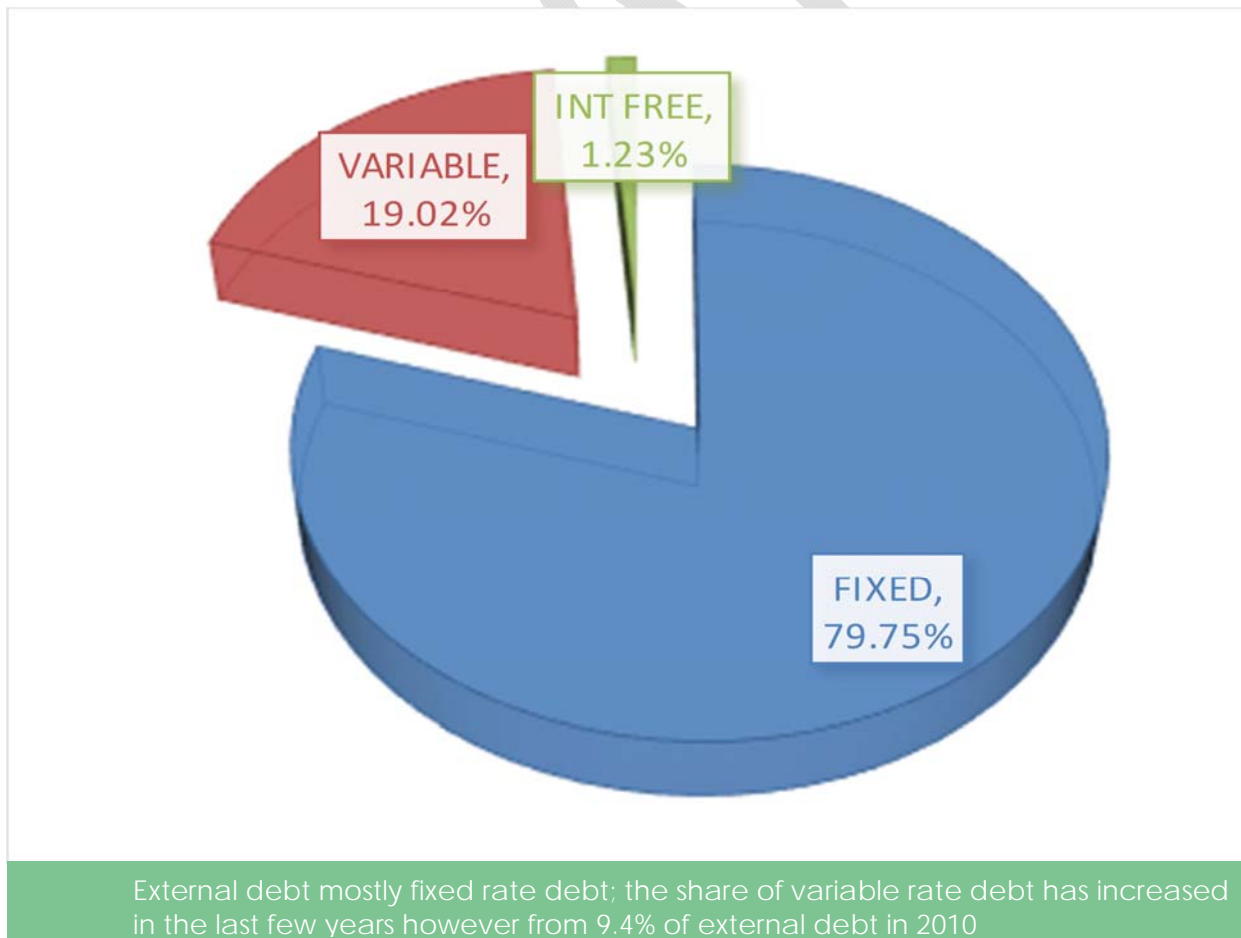


Figure 7 Interest rate composition of external debt stock End December, 2017



## 2.3 New Commitments in 2017 (New External Loan Financing Agreements)

Table 2 New commitments

No.	Creditor	Project Title	Agreement Date	Currency	Loan Amount	Loan Amount (USD)	Sector
1.	African Development Fund	The Public financial Management and Private Sector Competitiveness Support Programme Phase II	10 <sup>th</sup> February, 2017	BUA	35,000,000.00	49,350,000.00	Finance (Budget Support)
2.	Deutsche Bank, Italy	Construction of a University and Related Dormitory Facilities in Somanya, Eastern Region	2 <sup>nd</sup> May, 2017	EURO	45,575,000.00	49,646,469.67	Education
3.	African Development Fund	Greater Accra Sustainable Livelihood Improvement Project	19 <sup>th</sup> September, 2017	BUA	35,950,000.00	50,689,500.00	Sanitation
4.	World Bank	Additional Financing for Sustainable Rural Water and Sanitation Project	29 <sup>th</sup> November, 2017	SDR	33,000,000	45,000,000	Sanitation
5.	World Bank	Second Macro-Economic Stability Facility	21 <sup>st</sup> December, 2017	USD	201,911,808.00	201,911,808.00	Finance (Budget Support)
6.	Banco Santander/ Deutsche Bank AG	Development of Kumasi International Airport	29 <sup>th</sup> December, 2017	EURO	72,800,000.00	91,000,000.00	Transport

Table 3 Average terms of new commitments

	2015	2016	2017 Q1	2017 Q2	2017 Q3	2017 Q4
<b>Interest (%)</b>	5.4	4.4	*	*	*	1.1
<b>Maturity (yrs)</b>	17.6	11.6	*	*	*	21.5
<b>Grace Period (yrs)</b>	2.8	4.3	*	*	*	4.1
<b>Grant Element (%)</b>	5.3	11.0	*	*	*	20.4



## 2.4 Disbursements by Creditor Category (New Borrowing)

Table 4 Actual disbursements in 2017 as of December, 2017

CREDITOR CATEGORY	Q1, 2016	Q2, 2016	Q3, 2016	2016	Q1, 2017	Q2, 2017	Jul	Aug	Sep	Q3, 2017	Oct	Nov	Dec	Q4, 2017	Total
MULTILATERAL	96.70	67.36	78.66	319.65	38.38	115.77	6.59	5.84	9.29	21.72	29.71	16.02	205.87	251.60	427.46
EXPORT CREDITS	134.50	150.06	75.12	410.57	10.07	5.72	2.62	0.77	1.50	4.89	0.16	0.99	1.00	2.15	22.82
COMMERCIAL	58.90	58.98	893.43	1,106.74	22.42	174.50	14.37	2.12	7.04	23.53	13.80	23.15	17.68	54.63	275.08
OTHER CONCESSIONAL	8.25	11.03	28.25	54.37	49.07	4.53	0.00	0.00	0.04	0.04	48.16	0.00	0.00	48.16	101.80
BILATERAL	10.23	12.99	6.45	35.47	10.81	20.40	0.48	0.11	3.34	3.93	3.90	2.71	0.00	6.61	41.75
<b>Total</b>	<b>308.57</b>	<b>300.41</b>	<b>1,081.91</b>	<b>1,926.81</b>	<b>130.74</b>	<b>320.91</b>	<b>24.06</b>	<b>8.84</b>	<b>21.21</b>	<b>54.10</b>	<b>95.72</b>	<b>42.87</b>	<b>224.55</b>	<b>363.15</b>	<b>868.90</b>

Disbursements have picked up in Q2, 2017 largely due to disbursement on the Eastern Corridor Road Project.

## 2.5 External Debt Service Payments

Table 5 External debt service payments (USD millions)

	Jan-17	Feb-17	Mar-17	Q1-2017	Apr-17	May-17	Jun-17	Q2-2017	Jul-17	Aug-17	Sep-17	Q3-2017	Oct-17	Nov-17	Dec-17	Q4-2017	Total
Principal	90.75	20.98	64.66	176.38	63.63	73.17	98.13	234.93	86.47	59.71	34.51	180.69	286.06	54.66	175.11	515.84	1,107.84
Interest	74.04	46.79	50.46	171.29	73.89	14.68	36.53	125.10	76.72	54.08	46.87	177.67	74.11	14.46	43.52	132.08	606.14
<b>Total</b>	<b>164.79</b>	<b>67.76</b>	<b>115.12</b>	<b>347.67</b>	<b>137.52</b>	<b>87.85</b>	<b>134.65</b>	<b>360.02</b>	<b>163.19</b>	<b>113.79</b>	<b>81.39</b>	<b>358.36</b>	<b>360.17</b>	<b>69.12</b>	<b>218.64</b>	<b>647.92</b>	<b>1,713.99</b>

External Debt Service Payment (GHS'million)																	
	Jan-17	Feb-17	Mar-17	Q1-2017	Apr-17	May-17	Jun-17	Q2-2017	Jul-17	Aug-17	Sep-17	Q3-2017	Oct-17	Nov-17	Dec-17	Q4-2017	Total
Principal	385.39	91.81	289.41	766.61	266.75	309.18	425.66	1,001.59	377.45	262.13	152.08	791.66	1,256.49	240.06	773.09	2,269.64	4,829.50
Interest	313.40	201.80	226.72	741.92	311.33	61.95	158.59	531.86	334.91	236.87	206.66	778.44	324.82	63.47	192.14	580.43	2,632.66
<b>Total</b>	<b>698.79</b>	<b>293.61</b>	<b>516.13</b>	<b>1,508.53</b>	<b>578.08</b>	<b>371.13</b>	<b>584.25</b>	<b>1,533.45</b>	<b>712.36</b>	<b>499.00</b>	<b>358.73</b>	<b>1,570.10</b>	<b>1,581.31</b>	<b>303.53</b>	<b>965.23</b>	<b>2,850.07</b>	<b>7,462.16</b>

Table 6 Currency composition of debt service payments

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
USD	91.16%	80.09%	56.53%	93.20%	65.65%	78.37%	93.80%	84.64%	84.40%	92.99%	68.40%	79.73%
EUR	7.79%	19.56%	19.45%	6.76%	34.14%	21.39%	5.85%	12.30%	15.34%	6.84%	31.32%	11.79%
GBP	0.24%	0.00%	3.94%	0.01%	0.12%	0.00%	0.29%	2.84%	0.00%	0.00%	0.16%	0.00%
JPY	0.06%	0.00%	0.01%	0.03%	0.06%	0.00%	0.06%	0.00%	0.25%	0.01%	0.08%	0.00%
CNY	0.02%	0.00%	19.95%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
OTHERS	0.74%	0.35%	0.12%	0.00%	0.02%	0.24%	0.00%	0.22%	0.00%	0.15%	0.04%	8.48%

## 3.0 Domestic Debt

### 3.1 Domestic Debt Stock by Holders

Table 7 Holding structure of domestic debt (USD millions)

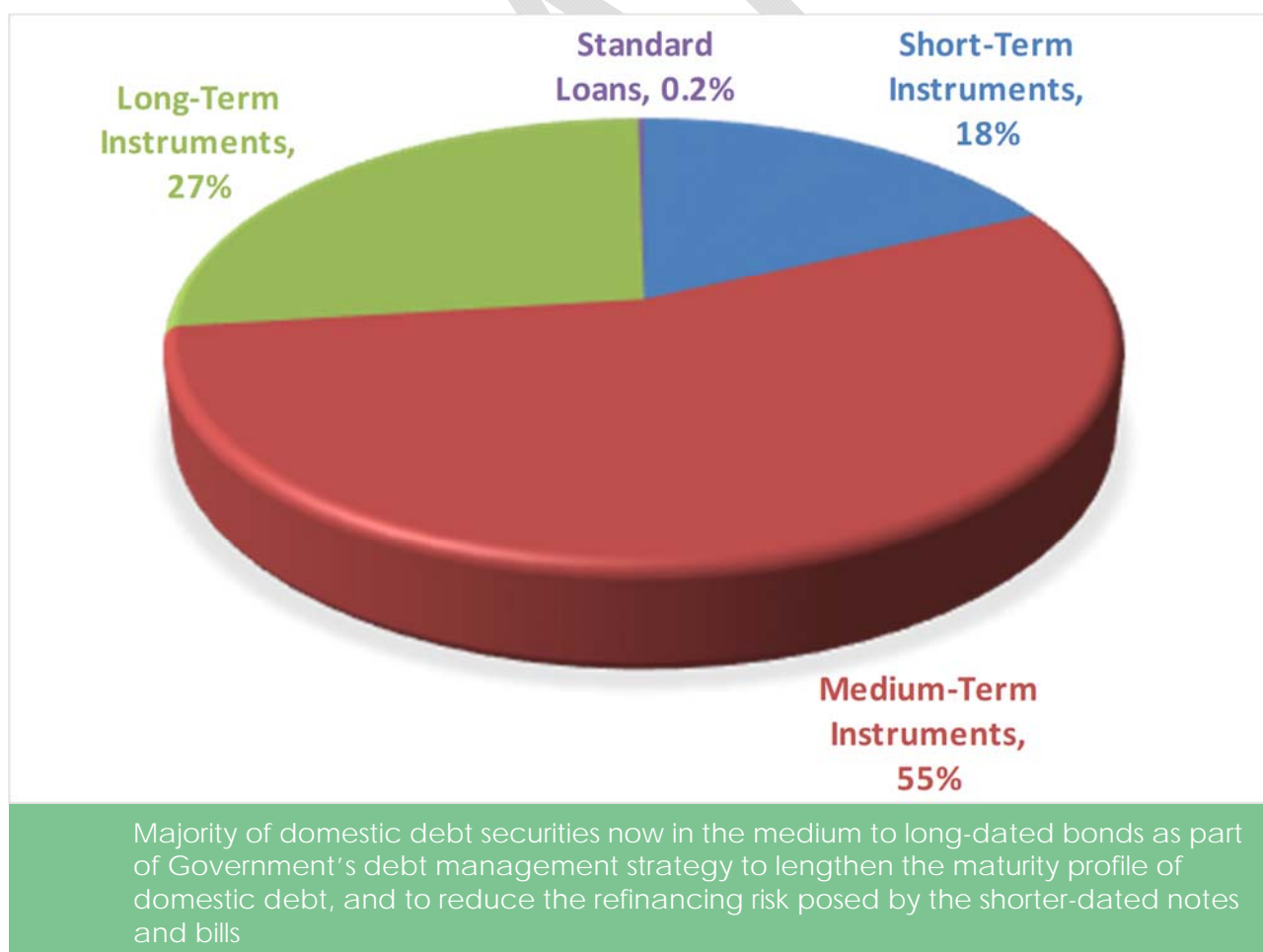
	2015			2016			2017					
	OCT	NOV	DEC	OCT	NOV	DEC	MAR	JUN	SEP	OCT	NOV	DEC
<b>A. BANKING SYSTEM</b>	<b>5,093.77</b>	<b>4,951.41</b>	<b>5,361.69</b>	<b>6,531.91</b>	<b>6,830.73</b>	<b>6,653.86</b>	<b>5,385.79</b>	<b>5,396.24</b>	<b>5,124.78</b>	<b>5,183.85</b>	<b>5,379.77</b>	<b>5,348.09</b>
BANK OF GHANA	2,336.97	2,336.56	2,614.51	3,278.05	3,278.40	3,121.11	2,995.84	2,988.57	2,952.56	2,971.29	2,945.55	2,944.17
DEPOSIT MONEY BANKS	2,756.81	2,614.85	2,747.18	3,253.86	3,552.33	3,532.75	2,389.95	2,407.67	2,172.22	2,212.56	2,434.22	2,403.92
<b>B. NON-BANK SECTOR</b>	<b>3,178.28</b>	<b>3,323.60</b>	<b>3,379.68</b>	<b>3,573.53</b>	<b>3,456.47</b>	<b>3,223.98</b>	<b>4,010.53</b>	<b>4,064.63</b>	<b>3,919.19</b>	<b>3,878.94</b>	<b>3,728.09</b>	<b>3,907.31</b>
SSNIT	392.96	401.47	395.80	394.20	369.23	349.83	302.98	295.25	267.24	268.63	281.19	317.58
INSURANCE CO.S	21.67	21.94	21.30	40.37	40.07	42.79	70.34	66.26	75.33	78.14	75.22	77.09
OTHER HOLDERS	2,763.66	2,900.19	2,962.58	3,138.97	3,047.18	2,831.36	3,637.20	3,703.12	3,576.62	3,532.16	3,371.68	3,512.63
<b>C. FOREIGN SECTOR</b>	<b>1,594.01</b>	<b>1,754.26</b>	<b>1,769.47</b>	<b>2,871.19</b>	<b>2,907.26</b>	<b>2,771.66</b>	<b>3,215.37</b>	<b>5,074.74</b>	<b>5,284.68</b>	<b>5,439.18</b>	<b>5,388.84</b>	<b>5,811.43</b>
<b>D. JUBILEE BOND</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>E. OTHER STANDARD LOANS</b>	<b>144.03</b>	<b>144.00</b>	<b>110.60</b>	<b>105.86</b>	<b>105.43</b>	<b>116.65</b>	<b>112.42</b>	<b>111.82</b>	<b>54.34</b>	<b>45.85</b>	<b>36.58</b>	<b>35.25</b>
<b>TOTAL</b>	<b>10,010.10</b>	<b>10,173.27</b>	<b>10,621.43</b>	<b>13,082.49</b>	<b>13,299.89</b>	<b>12,766.16</b>	<b>12,724.11</b>	<b>14,647.42</b>	<b>14,382.99</b>	<b>14,547.82</b>	<b>14,533.28</b>	<b>15,102.08</b>

## 3.2 Domestic Debt Stock by Instruments

Table 8 Maturity structure of domestic debt (USD millions)

	2015			2016			2017					
	OCT	NOV	DEC	OCT	NOV	DEC	MAR	JUN	SEP	OCT	NOV	DEC
<b>Short-Term Instruments</b>	<b>4,631.02</b>	<b>4,647.77</b>	<b>4,805.76</b>	<b>5,175.61</b>	<b>5,217.42</b>	<b>4,806.18</b>	<b>4,410.18</b>	<b>4,181.80</b>	<b>3,633.00</b>	<b>3,499.43</b>	<b>3,358.59</b>	<b>2,716.42</b>
91-Day Treasury Bill	2,656.23	2,668.44	2,454.48	2,674.35	2,568.34	2,504.68	2,221.96	2,067.12	1,936.94	1,783.35	1,763.97	1,232.83
182-Day Treasury Bill	1,768.66	1,780.00	2,146.72	2,204.94	2,234.74	1,700.22	1,350.73	1,071.28	674.33	653.03	622.71	649.16
1-Year Treasury Note	206.13	199.33	204.56	296.32	414.34	601.28	837.49	1,043.40	1,021.72	1,063.04	971.90	834.43
<b>Medium-Term Instruments</b>	<b>2,950.86</b>	<b>3,097.73</b>	<b>3,143.34</b>	<b>4,495.44</b>	<b>4,684.83</b>	<b>4,709.14</b>	<b>5,331.19</b>	<b>6,565.52</b>	<b>6,954.76</b>	<b>7,238.06</b>	<b>7,406.21</b>	<b>8,309.45</b>
2-Year Fixed Treasury Note	487.31	498.28	549.57	750.72	804.45	1,010.47	1,203.96	1,371.53	1,378.90	1,436.61	1,438.75	1,449.28
2-Year USD Domestic Bond	-	-	-	94.64	94.64	94.64	94.64	94.64	94.64	94.64	94.64	94.64
3-Year USD Domestic Bond	-	-	#	-	-	-	-	-	-	-	-	221.40
3-Year Fixed Rate Bond	1,336.78	1,336.54	1,333.61	1,678.80	1,672.01	1,591.75	1,674.24	1,556.06	1,647.49	1,657.88	1,643.53	1,642.86
3-Year Stock (SSNIT)	283.48	283.43	282.81	286.66	285.50	271.80	235.61	234.35	206.27	207.57	199.76	199.68
5-Year GoG Bond	790.02	926.23	924.21	1,633.76	1,627.16	1,549.05	1,763.62	1,947.01	2,179.23	2,383.99	2,363.37	2,536.91
7-Year GoG Bond	53.26	53.25	53.14	50.86	50.65	48.22	46.47	378.96	375.52	377.89	374.62	486.93
10-Year GoG Bond	-	-	-	-	150.42	143.20	162.43	982.97	1,072.71	1,079.48	1,070.14	1,677.74
<b>Long-Term Instruments</b>	<b>2,284.18</b>	<b>2,283.76</b>	<b>2,561.74</b>	<b>3,305.58</b>	<b>3,292.21</b>	<b>3,134.18</b>	<b>2,870.32</b>	<b>3,788.29</b>	<b>3,740.89</b>	<b>3,764.48</b>	<b>3,731.91</b>	<b>4,040.96</b>
15-Year GoG Bond	-	-	-	-	-	-	-	784.18	777.05	781.96	775.19	1,085.45
GoG Petroleum Financed Bonds	21.13	21.12	21.08	20.17	20.09	19.13	18.44	18.34	18.17	18.28	18.13	18.12
TOR Bonds	180.08	180.04	179.65	144.22	143.63	136.74	131.78	131.07	116.89	117.63	116.61	116.57
Long-Term Govt Stock	1,958.49	1,958.12	2,236.81	3,022.31	3,010.09	2,865.60	2,761.69	2,746.88	2,721.93	2,739.10	2,715.40	2,714.29
Revaluation Stock	95.33	95.32	95.11	91.03	90.66	86.31	83.18	82.74	81.98	82.50	81.79	81.75
Other Government Stock	0.26	0.26	0.26	0.25	0.25	0.23	0.23	-	-	-	-	-
Telekom Malaysia Stocks	28.90	28.90	28.83	27.60	27.49	26.17	25.22	25.08	24.85	25.01	24.79	24.78
<b>Standard Loans</b>	<b>144.03</b>	<b>144.00</b>	<b>110.60</b>	<b>105.86</b>	<b>105.43</b>	<b>116.65</b>	<b>112.42</b>	<b>111.82</b>	<b>54.34</b>	<b>45.85</b>	<b>36.58</b>	<b>35.25</b>
<b>TOTAL (A+B+C)</b>	<b>10,010.10</b>	<b>10,173.27</b>	<b>10,621.43</b>	<b>13,082.49</b>	<b>13,299.89</b>	<b>12,766.16</b>	<b>12,724.11</b>	<b>14,647.42</b>	<b>14,382.99</b>	<b>14,547.82</b>	<b>14,533.28</b>	<b>15,102.08</b>

Figure 8 Share of instruments in domestic debt as at End December, 2017



### 3.3 Net Issuance of Domestic Debt

Table 9 Issuance and Redemption of Money Market Instruments (GHS millions)

REDEMPTIONS 2017											
	Q1-2017	Q2-2017	JUL	AUG	SEP	Q3-2017	OCT	NOV	DEC	Q4-2017	TOTAL
91-Day	9,966.60	9,266.26	3,446.94	2,564.13	2,574.70	8,585.77	3,506.85	2,450.72	1,756.35	7,713.92	35,532.56
182-Day	3,658.38	2,704.53	1,656.41	487.50	489.20	2,633.11	750.47	504.76	364.29	1,619.53	10,615.54
1-Year	235.15	131.37	297.79	18.78	184.33	500.90	241.81	501.83	904.20	1,647.84	2,515.26
2-Year	556.35	529.12	37.29	8.27	79.69	125.25	51.08	129.03	255.88	435.99	1,646.71
3-Year	402.00	1,181.75	821.52	-	-	821.52	-	-	-	-	2,405.27
5-Year	-	267.28	-	1,987.92	-	1,987.92	-	-	-	-	2,255.20
7-Year	-	-	-	-	-	-	-	-	-	-	-
10-Year	-	-	-	-	-	-	-	-	-	-	-
15-Year	-	-	-	-	-	-	-	-	-	-	-
Non-Mkt	114.29	-	-	-	171.49	171.49	-	26.55	-	26.55	312.33
ISSUANCE 2017											
91-Day	9,266.26	8,586.46	3,506.85	2,450.72	2,310.54	8,268.11	1,761.28	1,736.43	1,771.95	5,269.66	31,390.50
182-Day	2,633.11	1,674.29	658.40	259.41	220.54	1,138.34	666.29	405.28	474.65	1,546.22	6,991.97
1-Year	1,355.12	1,049.54	306.65	57.62	82.90	447.18	394.43	140.11	298.82	833.35	3,685.19
2-Year	1,555.24	1,288.57	70.56	26.91	115.13	212.60	265.56	193.38	304.96	763.90	3,820.30
3-Year	1,010.59	705.16	404.81	-	892.83	1,297.63	-	-	-	-	3,013.39
5-Year	1,243.10	1,118.55	1,498.55	1,408.31	222.11	3,128.96	878.08	-	770.70	1,648.78	7,139.39
7-Year	-	1,452.08	-	-	-	-	-	-	549.45	549.45	2,001.53
10-Year	113.58	3,716.54	-	475.35	-	475.35	-	-	2,852.21	2,852.21	7,157.68
15-Year	-	3,422.15	-	-	-	-	-	-	1,539.13	1,539.13	4,961.28
Non-Mkt	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL ISSUANCE</b>	<b>17,177.00</b>	<b>23,013.34</b>	<b>6,445.82</b>	<b>4,678.31</b>	<b>3,844.04</b>	<b>14,968.17</b>	<b>3,965.64</b>	<b>2,475.19</b>	<b>8,561.89</b>	<b>15,002.72</b>	<b>70,161.23</b>
<b>TOTAL REDEMPTION</b>	<b>14,932.78</b>	<b>14,080.31</b>	<b>6,259.96</b>	<b>5,066.60</b>	<b>3,499.40</b>	<b>14,825.96</b>	<b>4,550.22</b>	<b>3,612.89</b>	<b>3,280.72</b>	<b>11,443.83</b>	<b>55,282.87</b>
<b>NET BORROWING</b>	<b>2,244.22</b>	<b>8,933.03</b>	<b>185.86</b>	<b>(388.28)</b>	<b>344.64</b>	<b>142.22</b>	<b>(584.58)</b>	<b>(1,137.70)</b>	<b>5,281.16</b>	<b>3,558.89</b>	<b>14,878.36</b>
NET ISSUANCE BY INSTRUMENT 2017											
	Q1-2017	Q2-2017	JUL	AUG	SEP	Q3-2017	OCT	NOV	DEC	Q4-2017	TOTAL
91-Day	(700.34)	(679.80)	59.91	(113.41)	(264.15)	(317.66)	(1,745.57)	(714.29)	15.60	(2,444.26)	(4,142.06)
182-Day	(1,025.27)	(1,030.24)	(998.01)	(228.09)	(268.66)	(1,494.77)	(84.18)	(99.48)	110.36	(73.30)	(3,623.58)
1-Year	1,119.96	918.18	8.86	38.85	(101.43)	(53.72)	152.62	(361.72)	(605.38)	(814.48)	1,169.93
2-Year	998.88	759.45	33.27	18.64	35.44	87.35	214.48	64.35	49.08	327.91	2,173.59
3-Year	608.59	(476.59)	(416.72)	-	892.83	476.11	-	-	-	-	608.12
5-Year	1,243.10	851.27	1,498.55	(579.61)	222.11	1,141.05	878.08	-	770.70	1,648.78	4,884.19
7-Year	-	1,452.08	-	-	-	-	-	-	549.45	549.45	2,001.53
10-Year	113.58	3,716.54	-	475.35	-	475.35	-	-	2,852.21	2,852.21	7,157.68
15-Year	-	3,422.15	-	-	-	-	-	-	1,539.13	1,539.13	4,961.28
Non-Mkt	(114.29)	-	-	-	(171.49)	(171.49)	-	(26.55)	-	(26.55)	(312.33)
<b>Total</b>	<b>2,244.22</b>	<b>8,933.03</b>	<b>185.86</b>	<b>(388.28)</b>	<b>344.64</b>	<b>142.22</b>	<b>(584.58)</b>	<b>(1,137.70)</b>	<b>5,281.16</b>	<b>3,558.89</b>	<b>14,878.36</b>

Government issued an additional amount of GHS5.6 billion in Q2-2017 for liability management purpose.

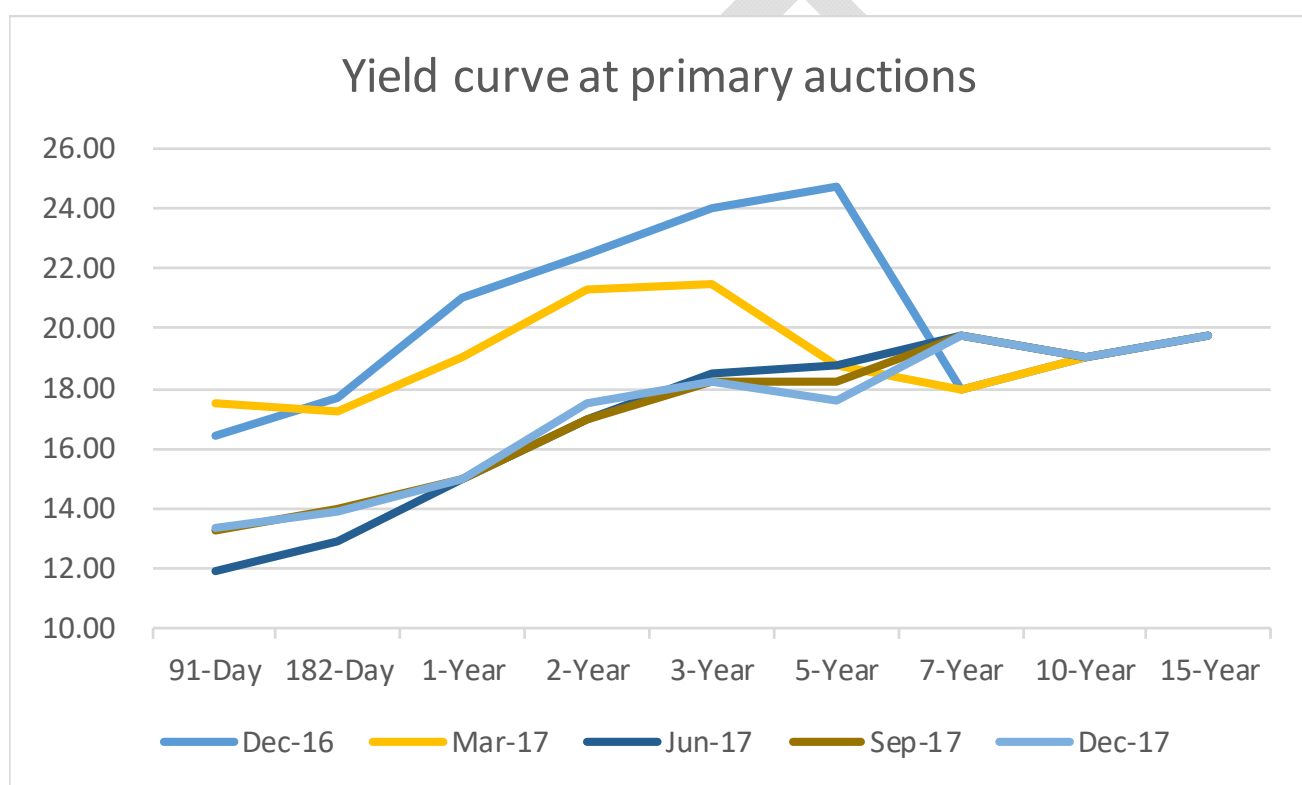
### 3.4 Interest Rates on Domestic Debt

Table 10 Interest rates on Government of Ghana money market instruments

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
<b>91-Day</b>	16.43	15.94	15.94	17.51	15.44	12.70	11.93	12.54	13.19	13.24	13.33	13.34	13.35
<b>182-Day</b>	17.64	17.10	16.99	17.19	16.47	14.14	12.90	12.97	13.93	13.97	13.83	13.86	13.88
<b>1-Year</b>	21.00	19.50	19.00	19.00	18.00	16.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
<b>2-Year</b>	22.50	21.00	21.50	21.33	21.00	19.95	17.00	17.00	17.00	17.00	17.00	17.24	17.50
<b>3-Year</b>	24.00	24.00	24.00	21.50	21.50	21.50	18.50	18.50	18.50	18.25	18.25	18.25	18.25
<b>5-Year</b>	24.75	18.75	18.75	18.75	18.75	18.75	18.75	18.25	18.25	18.25	18.25	18.25	17.60
<b>7-Year</b>	18.00	18.00	18.00	18.00	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75
<b>10-Year</b>	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
<b>15-Year</b>					19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75

Source: Bank of Ghana and Ministry of Finance

Figure 9 Yield Curve (at constant maturity)



## 4.0 Portfolio Risk Indicators

### 4.1 Average Time to Interest Rate Re-fixing

Table 11 Interest rate risk

<b>COST AND RISK INDICATORS FOR EXISTING DEBT AS AT END 2016</b>				
Risk Indicators		External debt	Domestic debt	Total debt
Cost of debt	Weighted Av. IR (%)	4.3	22.7	12.5
Interest rate risk	ATR (years)	8.5	5.5	7.2
	Debt refixing in 1yr (% of total)	26.1	54.5	38.7
	Fixed rate debt (% of total)	77.8	100.0	87.8
FX risk	FX debt (% of total debt)			55.7
	ST FX debt (% of reserves)			23.0

Exposure of debt to interest rate volatility low, however interest rates are

### 4.2 Average Time to Maturity (Rollover/Refinancing Risk)

Table 12 Rollover risk of public debt

<b>COST AND RISK INDICATORS FOR EXISTING DEBT AS AT END 2016</b>				
Risk Indicators		External debt	Domestic debt	Total debt
Refinancing risk	ATM (years)	9.3	5.5	7.7
	Debt maturing in 1yr (% of total)	7.2	54.5	28.1
	Debt maturing in 1yr (% of GDP)	2.8	16.7	19.5

Domestic debt subject to high rollover risks

## Glossary

Amortisation	Schedule for payments of principal payments of interest on an on-going basis on a loan
Average Time to Maturity	The average time to maturity measures the weighted average time to maturity of all the principal payments in the portfolio
Bonds	Debt securities that give holders unconditional right to fixed income or contractually determined payments on a specified date or dates.
Buy-back	The repurchase by a debtor government of all or a portion of its external debt at a discount from face value
Bilateral Debt	Debt contracted from sovereign countries.
Commercial Debt	Short-term borrowing from banking institutions other than Official Development Assistance.
Concessional loans	These are loans that are extended on terms substantially generous than loans contracted on the market.
Contingent Liability	Obligations that do not arise unless a particular, discrete event(s) occurs in the future.
Coupon	The annual interest rate paid on a bond, expressed as a percentage of the face value
Debt Service	Debt payments in respect of both principal and interest.
Debt to GDP	Ratio of a country's gross public debt to a country's Gross Domestic Product.
Debt Relief	Any form of debt reorganization that relieves the overall burden of debt.
Disbursed Outstanding Debt	The amount, at any given time, of disbursed and outstanding contractual liabilities of a country denominated in hard currency.
Disbursement	The transfer of the committed loan amount from the lender to the borrower, once contractual conditions are fulfilled.
Domestic Debt	Debt liabilities owed by residents to residents of same economy.
Escrow Account	Accounts mobilized in which proceeds are paid into to pay off future debt service payments.
Eurobonds	Bond issued by a borrower in a foreign country, denominated in a Eurocurrency (e.g. US dollar, Canadian dollar, yen, euro, etc), under-written and sold by an international syndicate of financial institutions.
External Debt	Debt liabilities owed by residents to non-residents.
Gross Domestic Product	The market value of all final goods and services produced within a country in a given period. The GDP is determined using data for production, expenditures, or income and is presented in current or constant prices.

HIPC	Heavily Indebted Poor Countries (HIPCs) comprise a group of 41 developing countries classified as being heavily indebted poor countries.
Interest Payment	The amount paid periodically over a period to a lender as compensation for use of his capital.
Interest Rate	An interest rate is the cost or price of borrowing, or the gain from lending, normally expressed as an annual percentage amount.
Letter of Credit	A financial instrument that specifies a letter from a bank guaranteeing that a buyer's payment to a seller will be received on time and for the correct amount. In the event that the buyer is unable to make payment on the purchase, the bank will be required to cover the full or remaining amount of the purchase.
Maturity	The maturity of a bond refers to the date that the debt would cease to exist, at which time the issuer will redeem the bond by paying the principal.
MDRI	100 percent Debt reliefs provided to a group of low-income countries on eligible debt (debt claims on countries that have reached, or will eventually reach, the HIPC completion point) from the IMF, the International Development Association (IDA) of the World Bank, and the African Development Fund of the AfDB.
MTDS	A Debt Management Strategy planned to be implemented over the medium term (three to five years) in order to achieve a composition of a desired debt portfolio with regards to the cost-risk trade-off.
Multilateral Debt	Debt contracted from multilateral institutions such as World Bank, IMF and development banks.
Net Domestic Financing	New debt issuance required to partly fund the budget deficit from domestic sources.
On-Lending	Government borrowed funds which is lent to state-owned enterprises and small businesses. Government would generally do this as a measure to promote strategic policy implementation.
Principal Repayment	The act of paying back money previously borrowed from a lender.
Promissory Note	An unconditional promise to pay a certain sum on demand on a specified due date.
Public Debt	The total public (external and domestic) debt obligations of a country.
Publicly guaranteed debt	Debt liabilities of public and private sector units, the servicing of which is contractually guaranteed by public sector units.
Public-Private Partnerships	Long-term contracts between two units, (PPPs) whereby one unit acquires or builds an asset or set of assets, operates it for a period, and then hands the asset over to a second unit.

Refinancing Risk	The risk associated with debt that is rolled over into new debt
Rollover	The extension or transfer of debt from one period to the next.
Short-term debt	Outstanding debt with a maturity of less than one year.
Sinking Fund	A fund created by a borrower for the purpose of redeeming bonds. The borrower is obliged to redeem specified amounts of the bond within specified periods.
State –Owned Enterprise	A legal entity partially or wholly owned by government in order to conduct business on or on behalf of government.
Yield	The return on an investment or interest received from holding a particular security. The yield is usually expressed as an annual percentage rate based on the investment's cost, current market value or face value.
Yield curve	A graph that shows the mathematical relationship, computed across all government securities (or other securities), between yield and maturity.

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