

Rebased estimates of GDP: An Explanatory note

The GDP publication of estimates of GDP for quarter 4, 2016 sees the introduction of updated information on the structure of the economy in Rwanda. The previously published estimates of GDP used 'industry weights' based on the levels of economic activity in 2011. In keeping with international guidance, NISR updates these weights as frequently as possible. In 2016 NISR developed a Supply and Use Table (SUT) for 2014, which is now used as the basis of the weights for aggregating components of GDP. The SUT is described in detail in a separate note.

The 2014 SUT provides more up-to-date and relevant estimates of the structure of the economy in Rwanda. In the new rebased series, growth in GDP has been kept unchanged for years up to and including 2012 (because the previous weights, for 2006 and 2011, are more relevant over that period). For 2013 and subsequent years, the new weights for 2014 have been applied to the detailed estimates of growth to produce the revised GDP series, in 2014 constant prices.

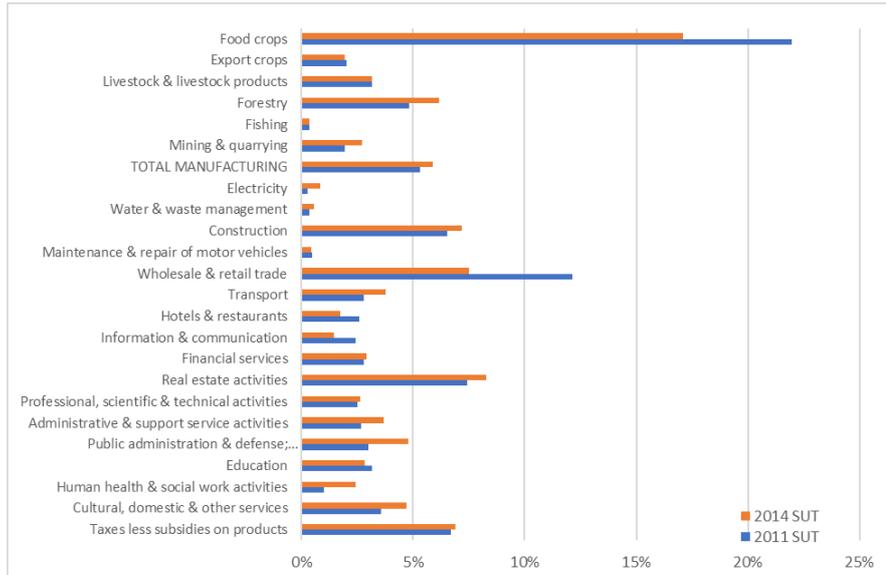
In current prices, the previously published level of GDP in 2014 was based on the 2011 SUT extrapolated using indicators of growth of value added in each industry. This extrapolated estimate for 2014 was 5,394.7 RWF billions. The revised level of GDP in 2014, based on the new SUT, is 5466.2 RWF billions, a revision of just +1.3%. This suggests that the indicators used to extrapolate the benchmark level of GDP have provided an unbiased estimate of GDP growth over the period 2011-2014.

Revisions to the GDP estimates

The use of the new estimates of value added from the 2014 SUT in estimating total GDP lead to some revisions to GDP growth from 2014. In addition, NISR has taken this opportunity to introduce some improvements to the methods and indicators used to extrapolate the base year levels. For example, the use of the data from NISR's Seasonal Agriculture Survey which began in 2014, and more complete information on the activities of the Telecommunications sector and General Government. NISR can provide more details of these improvements (see contact details, below).

Figure 1, and Table 1 in the annex, sets out the changes in the weights used to aggregate the industry series, comparing the 2011 SUT weights with the 2014 weights.

Figure 1: Shares of total GDP 2011 and 2014



As can be seen:

- The weight given the value added of the Agricultural sector has decreased from 32% in 2011 to 29% in 2014
- Food Crops accounted for 22% of total GDP in 2011, but just 17% in 2014.
- While the value added of the service sector, as a percentage of GDP, has remained unchanged at 47%, Trade & Transport services decreased in weight from 15% to 12%, while ‘other services activities’ increased from 31% to 35%.

The new weights lead to revised estimates of economic growth. Notably, they give greater weight than previously to many service sector activities. Since these activities have experienced faster economic growth in Rwanda over the period since 2013, this leads to higher estimated growth in GDP in 2014 and 2015 than previously published. Table 3 shows the contributions to the revisions to constant prices GDP growth from each economic activity (and taxes), comparing the previous estimates with the 2014 based estimates. In the first two columns, the sum of the contributions in each period equals the revision to growth in aggregate GDP. The final four columns show the previously published and new growth rates for each activity. The table shows, for example:

- Between 2013 and 2014, aggregate GDP was revised by +0.6 percent (from the previously published figure of 7.0% to 7.6% on the revised basis).
- Of this +0.6 increase, 0.2 percentage points (pps) were accounted for by the Food Crops sector. This increase largely reflects improved data based on NISR’s Seasonal Agricultural Survey than in the previous estimates.
- Manufacturing activities also contributed to the upward revision in the 2014 annual growth rate, largely because of improvements to the data used to estimate Beverages and Tobacco production.
- There was an off-setting decrease in the contribution to the aggregate revision from the Wholesale and Retail trade sector, which reflects its reduced weight in the new estimates.

- Estimated GDP growth in 2015 compared to 2014 was revised up by 1.9pps (the actual growth as revised from 6.9% to 8.9%, based on the unrounded estimates). +1.4 pps of this revision came from service sector components. In addition, the Construction sector contributed a further +0.4 pps to the overall revision, largely because of the use of an improved methodology for measuring the sector which now includes estimates of work in progress, in line with the standards set out in the United Nation's System of National Accounts 2008.

The changes affect the current price estimates of GDP as well as the constant price series. As such, the ratio of these two series, known as the 'GDP Deflator' (which provides an aggregate price index for each activity) have also been revised for the years 2014 and 2015. Table 3 shows the contributions to the aggregate GDP deflator from the revised industry estimates, as well as the previous and revised annual percentage change in the deflators for each industry. This shows, for example:

- A revision to the growth in the aggregate GDP deflator of -1.7 percentage points in 2015 compared to 2014 (in rounded terms the growth was revised from 1.7% on the previous basis and 0.1% on the revised basis).
- This revision results mainly from improvements in the methodology used to estimate output of the Education sector (accounting for -0.6 pps of the total revision), and also a revision to the estimated growth in the price of Food Crops (accounting for a further -0.5 pps).

Revisions to weights used to aggregate components of GDP in constant prices

	Weights		
	2011 SUT	2014 SUT	Difference
GROSS DOMESTIC PRODUCT (GDP)	100%	100%	
AGRICULTURE, FORESTRY & FISHING	32%	29%	-3.6%
Food crops	22%	17%	-4.9%
Export crops	2%	2%	-0.1%
Livestock & livestock products	3%	3%	0.0%
Forestry	5%	6%	1.4%
Fishing	0%	0%	0.0%
INDUSTRY	14%	17%	2.8%
Mining & quarrying	2%	3%	0.8%
TOTAL MANUFACTURING	5%	6%	0.6%
Of which: Food	1%	2%	0.5%
Beverages & tobacco	3%	2%	-0.8%
Textiles, clothing & leather goods	0%	0%	0.2%
Wood & paper; printing	0%	0%	-0.1%
Chemicals, rubber & plastic products	0%	1%	0.4%
Non-metallic mineral products	0%	0%	0.1%
Metal products, machinery & equipment	0%	0%	0.1%
Furniture & other manufacturing	0%	0%	0.2%
Electricity	0%	1%	0.6%
Water & waste management	0%	1%	0.2%
Construction	7%	7%	0.6%
SERVICES	47%	47%	0.6%
TRADE & TRANSPORT	15%	12%	-3.7%
Maintenance & repair of motor vehicles	0%	0%	-0.1%
Wholesale & retail trade	12%	8%	-4.6%
Transport	3%	4%	1.0%
OTHER SERVICES	31%	35%	4.3%
Hotels & restaurants	3%	2%	-0.8%
Information & communication	2%	1%	-1.0%
Financial services	3%	3%	0.1%
Real estate activities	7%	8%	0.8%
Professional, scientific & technical activities	3%	3%	0.1%
Administrative & support service activities	3%	4%	1.0%
Public administration & defense; compulsory social security	3%	5%	1.8%
Education	3%	3%	-0.3%
Human health & social work activities	1%	2%	1.4%
Cultural, domestic & other services	4%	5%	1.1%
Taxes less subsidies on products	7%	7%	-0.2%

Table 2

Summary Revisions Analysis for GDP at constant prices

	Contribution to revision in		Annual Percentage Change			
	annual % change rates		2014/13		2015/14	
	2014	2015	Previous	Revised	Previous	Revised
GROSS DOMESTIC PRODUCT (GDP)	0.6	1.9	7.0%	7.6%	6.9%	8.9%
AGRICULTURE, FORESTRY & FISHING	0.3	-0.1	5%	7%	5%	5%
Food crops	0.2	-0.3	6%	9%	4%	4%
Export crops	0.0	0.0	-2%	-2%	14%	14%
Livestock & livestock products	0.0	0.0	8%	8%	9%	9%
Forestry	0.1	0.1	2%	3%	3%	4%
Fishing	0.0	0.0	3%	4%	4%	3%
INDUSTRY	1.0	0.6	6%	11%	7%	9%
Mining & quarrying	0.4	0.0	11%	25%	-7%	-5%
TOTAL MANUFACTURING	0.4	0.1	1%	8%	8%	8%
Of which: Food	0.1	0.0	-1%	6%	3%	1%
Beverages & tobacco	0.2	0.0	-5%	7%	5%	6%
Textiles, clothing & leather goods	0.0	0.0	15%	7%	7%	3%
Wood & paper; printing	0.0	0.0	5%	10%	13%	11%
Chemicals, rubber & plastic products	0.0	0.1	-3%	-2%	9%	13%
Non-metallic mineral products	0.0	0.0	13%	16%	27%	20%
Metal products, machinery & equipment	0.0	0.1	26%	29%	7%	38%
Furniture & other manufacturing	0.0	0.0	9%	13%	17%	17%
Electricity	0.0	0.1	9%	9%	5%	8%
Water & waste management	0.0	0.0	3%	3%	-3%	1%
Construction	0.1	0.4	8%	10%	10%	15%
SERVICES	-1.0	1.3	9%	7%	7%	10%
TRADE & TRANSPORT	-0.7	0.3	9%	7%	6%	11%
Maintenance & repair of motor vehicles	0.0	0.0	3%	4%	6%	5%
Wholesale & retail trade	-0.6	0.1	10%	8%	7%	13%
Transport	-0.1	0.2	8%	4%	4%	10%
OTHER SERVICES	-0.3	1.0	9%	7%	8%	10%
Hotels & restaurants	0.1	0.1	4%	12%	4%	9%
Information & communication	-0.4	-0.2	17%	7%	16%	18%
Financial services	0.0	0.1	5%	4%	10%	12%
Real estate activities	-0.1	-0.1	8%	6%	7%	5%
Professional, scientific & technical activities	-0.3	0.2	3%	-8%	7%	14%
Administrative & support service activities	0.4	0.4	6%	15%	9%	16%
Public administration & defense; compulsory social security	0.1	0.1	6%	7%	4%	5%
Education	-0.1	-0.1	8%	3%	6%	2%
Human health & social work activities	0.1	0.2	9%	8%	8%	10%
Cultural, domestic & other services	0.0	0.4	19%	16%	11%	19%
	0.0	0.0				
Taxes less subsidies on products	0.4	0.2	2.7%	8%	14%	14%

Table 3

Summary Revisions Analysis for GDP Deflators

	Contribution to revision		Annual Percentage Change			
	in annual % change		2014/13	2014/13	2015/14	2015/14
	2014	2015	Previous	Revised	Previous	Revised
GROSS DOMESTIC PRODUCT (GDP)	-0.4	-1.6	3.4%	3.1%	1.7%	0.1%
AGRICULTURE, FORESTRY & FISHING	-0.2	-0.6	4%	3%	2%	1%
Food crops	0.0	-0.5	3%	2%	3%	2%
Export crops	-0.1	0.0	37%	31%	-14%	-11%
Livestock & livestock products	0.0	-0.1	2%	1%	3%	3%
Forestry	-0.1	-0.1	0%	0%	1%	1%
Fishing	0.0	0.0	4%	4%	8%	8%
INDUSTRY	0.5	-0.2	1%	0%	1%	-1%
Mining & quarrying	0.2	-0.2	-4%	-6%	-4%	-6%
TOTAL MANUFACTURING	0.4	0.0	2%	3%	0%	1%
Of which: Food	0.1	-0.1	3%	4%	0%	2%
Beverages & tobacco	0.2	0.0	5%	5%	1%	1%
Textiles, clothing & leather goods	0.0	0.0	-4%	0%	-1%	0%
Wood & paper; printing	0.0	0.0	-2%	-2%	3%	5%
Chemicals, rubber & plastic products	0.0	0.0	0%	0%	5%	-3%
Non-metallic mineral products	0.0	0.0	0%	0%	-2%	-3%
Metal products, machinery & equipment	0.0	0.1	0%	0%	0%	1%
Furniture & other manufacturing	0.0	0.0	0%	0%	0%	1%
Electricity	0.0	0.1	1%	1%	14%	14%
Water & waste management	0.0	0.0	0%	0%	8%	5%
Construction	-0.1	-0.1	1%	-1%	1%	-3%
SERVICES	-1.0	-0.5	2%	2%	2%	0%
TRADE & TRANSPORT	-0.5	0.2	1%	1%	0%	-2%
Maintenance & repair of motor vehicles	0.0	0.0	1%	1%	3%	1%
Wholesale & retail trade	-0.2	0.1	1%	2%	0%	-3%
Transport	-0.3	0.0	1%	-1%	1%	-1%
OTHER SERVICES	-0.5	-0.6	3%	3%	3%	1%
Hotels & restaurants	0.2	0.1	2%	6%	1%	3%
Information & communication	-0.1	-0.1	-1%	4%	0%	-3%
Financial services	-0.1	0.0	-1%	-2%	-2%	-2%
Real estate activities	-0.3	-0.5	7%	3%	6%	3%
Professional, scientific & technical activities	-0.3	0.1	2%	2%	2%	2%
Administrative & support service activities	0.3	0.2	2%	2%	2%	3%
Public administration & defense; compulsory soc	0.0	0.0	2%	2%	3%	3%
Education	-0.1	-0.6	3%	7%	10%	0%
Human health & social work activities	0.0	-0.2	6%	5%	5%	-7%
Cultural, domestic & other services	-0.1	0.3	4%	3%	2%	2%
Taxes less subsidies on products	0.2	-0.2	19%	15%	-1%	10%

Table A
Macro-economic aggregates

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Gross Domestic Product (Rwf billions)																		
GDP at current prices	607	676	742	797	993	1,206	1,440	1,739	2,092	2,658	3,057	3,367	3,897	4,494	4,929	5,466	5,956	6,618
<i>Growth rate</i>	11%	10%	7%	24%	22%	19%	21%	20%	27%	15%	10%	16%	15%	10%	11%	9%	11%	
GDP at constant 2014 prices	1,736	1,881	2,041	2,310	2,361	2,537	2,775	3,031	3,262	3,626	3,853	4,135	4,459	4,852	5,079	5,466	5,951	6,304
<i>Growth rate</i>	8.4%	8.5%	13.2%	2.2%	7.4%	9.4%	9.2%	7.6%	11.2%	6.2%	7.3%	7.8%	8.8%	4.7%	7.6%	8.9%	5.9%	
Implicit GDP deflator	35	36	36	35	42	48	52	57	64	73	79	81	87	93	97	100	100	105
<i>Growth rate</i>	2.8%	1.1%	-5.0%	21.8%	13.1%	9.1%	10.6%	11.8%	14.3%	8.2%	2.6%	7.3%	6.0%	4.8%	3.1%	0.1%	4.9%	
GDP per head (in '000 Rwf)	81	88	94	98	119	141	164	193	227	281	315	338	381	429	459	497	529	574
GDP per head (in current US dollars)	242	225	211	206	221	245	295	350	414	513	554	579	635	698	710	728	735	729
Proportions of GDP																		
Total final consumption expenditure																		
<i>Government</i>	19%	19%	19%	20%	19%	18%	18%	17%	15%	13%	14%	14%	13%	14%	14%	15%	15%	15%
<i>Private (includes changes in stock)</i>	86%	87%	83%	84%	82%	80%	80%	79%	75%	80%	81%	81%	80%	79%	78%	78%	80%	77%
Gross capital formation	13%	13%	14%	13%	14%	15%	16%	17%	19%	24%	23%	23%	23%	26%	27%	25%	27%	26%
Resource balance	-18%	-19%	-16%	-17%	-15%	-14%	-14%	-13%	-10%	-17%	-18%	-18%	-17%	-19%	-18%	-18%	-21%	-18%
Value added by																		
<i>Agriculture</i>	37%	37%	37%	35%	38%	39%	38%	34%	30%	28%	29%	28%	28%	29%	29%	29%	28%	30%
<i>Industry</i>	14%	13%	14%	14%	13%	14%	14%	13%	14%	15%	14%	15%	17%	17%	17%	17%	17%	17%
<i>Services</i>	45%	47%	46%	47%	45%	44%	44%	44%	47%	49%	48%	49%	47%	48%	48%	47%	48%	48%
<i>Adjustments</i>	8%	7%	8%	8%	8%	8%	8%	7%	8%	8%	8%	8%	8%	7%	6%	7%	7%	6%
National income and expenditure (Rwf billions)																		
Gross Domestic Product at current prices	607	676	742	797	993	1,206	1,440	1,739	2,092	2,658	3,057	3,367	3,897	4,494	4,929	5,466	5,956	6,618
Factor income from abroad, net	-4	-6	-10	-9	-16	-19	-15	-16	-9	-19	-21	-25	-34	-59	-88	-122	-144	-166
Gross National Income	603	670	732	788	976	1,187	1,425	1,723	2,083	2,639	3,036	3,342	3,862	4,436	4,841	5,344	5,811	6,451
Current transfers, net	60	81	76	81	105	160	177	139	198	244	298	286	399	276	362	272	266	315
Gross National Disposable Income	663	751	808	870	1,081	1,347	1,602	1,862	2,281	2,883	3,334	3,628	4,262	4,711	5,203	5,616	6,077	6,766
Less Final consumption expenditure	-638	-711	-757	-823	-1,005	-1,189	-1,411	-1,670	-1,896	-2,480	-2,891	-3,197	-3,637	-4,192	-4,501	-5,078	-5,617	-6,088
Gross National Saving	25	40	50	47	76	158	191	192	384	403	443	430	625	520	703	538	461	678
Less Gross capital formation	-80	-90	-102	-108	-138	-181	-227	-292	-395	-637	-714	-774	-914	-1,158	-1,308	-1,382	-1,579	-1,728
Net lending to the rest of the world	-55	-51	-52	-61	-61	-24	-37	-100	-11	-235	-271	-343	-289	-639	-605	-845	-1,118	-1,050
Memorandum items																		
Total population (millions)	7.5	7.7	7.9	8.1	8.3	8.6	8.8	9.0	9.2	9.5	9.7	10.0	10.2	10.5	10.7	11.0	11.3	11.5
<i>Growth rate</i>	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.4%	2.4%	2.4%	2.4%
Exchange rate: Rwf per US dollar	334	390	443	475	538	575	557	552	547	547	568	583	600	614	647	683	720	787
<i>Growth rate</i>	17%	14%	7%	13%	7%	-3%	-1%	-1%	0%	4%	3%	3%	2%	5%	6%	5%	9%	

Source: National Institute of Statistics of Rwanda
March 13, 2017

Table 1
Gross Domestic product by Kind of Activity
at current prices
(in billion Rwf)

Activity description	ISIC4	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
GROSS DOMESTIC PRODUCT (GDP)		607	676	742	797	993	1,206	1,440	1,739	2,092	2,658	3,057	3,367	3,897	4,494	4,929	5,466	5,956	6,618
AGRICULTURE, FORESTRY & FISHING	A	227	251	277	282	380	465	553	592	636	753	896	949	1,091	1,300	1,424	1,572	1,672	1,954
Food crops	AA	194	217	238	238	332	396	467	309	353	397	496	519	610	740	839	934	992	1,206
Export crops	AB	6	7	8	7	7	13	18	70	50	67	64	79	82	106	83	107	109	129
Livestock & livestock products	AC	16	16	18	21	22	26	27	68	71	91	108	113	127	143	158	174	195	223
Forestry	AD	8	8	10	13	15	26	35	169	174	227	244	258	283	313	325	337	354	372
Fishing	AE	3	3	3	3	4	5	5	6	7	9	10	12	14	16	19	20	22	23
INDUSTRY	B-F	86	90	103	109	125	164	199	232	300	388	436	500	649	746	848	939	1,013	1,094
Mining & quarrying	B	1	1	6	2	3	8	10	23	43	51	33	45	102	97	124	147	132	137
TOTAL MANUFACTURING	C	49	50	52	60	67	80	95	105	115	148	184	208	235	270	291	322	352	388
<i>Of which: Food</i>	<i>CA</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>13</i>	<i>21</i>	<i>28</i>	<i>34</i>	<i>35</i>	<i>46</i>	<i>57</i>	<i>66</i>	<i>79</i>	<i>87</i>	<i>92</i>	<i>101</i>	<i>104</i>	<i>119</i>
<i>Beverages & tobacco</i>	<i>CB</i>	<i>19</i>	<i>18</i>	<i>18</i>	<i>23</i>	<i>22</i>	<i>23</i>	<i>27</i>	<i>28</i>	<i>31</i>	<i>41</i>	<i>56</i>	<i>61</i>	<i>66</i>	<i>76</i>	<i>85</i>	<i>95</i>	<i>102</i>	<i>109</i>
<i>Textiles, clothing & leather goods</i>	<i>CC</i>	<i>4</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>6</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>12</i>	<i>13</i>	<i>13</i>	<i>14</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>23</i>
<i>Wood & paper; printing</i>	<i>CD</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>3</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>10</i>	<i>11</i>	<i>13</i>	<i>14</i>	<i>16</i>	<i>18</i>
<i>Chemicals, rubber & plastic products</i>	<i>CE</i>	<i>6</i>	<i>7</i>	<i>7</i>	<i>8</i>	<i>10</i>	<i>12</i>	<i>14</i>	<i>17</i>	<i>18</i>	<i>21</i>	<i>21</i>	<i>24</i>	<i>29</i>	<i>32</i>	<i>33</i>	<i>32</i>	<i>36</i>	<i>38</i>
<i>Non-metallic mineral products</i>	<i>CF</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>6</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>12</i>	<i>14</i>	<i>16</i>	<i>18</i>	<i>21</i>	<i>25</i>
<i>Metal products, machinery & equipment</i>	<i>CG</i>	<i>3</i>	<i>3</i>	<i>3</i>	<i>3</i>	<i>3</i>	<i>4</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>9</i>	<i>13</i>	<i>16</i>	<i>14</i>	<i>18</i>	<i>25</i>	<i>30</i>
<i>Furniture & other manufacturing</i>	<i>CH</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>8</i>	<i>8</i>	<i>11</i>	<i>16</i>	<i>18</i>	<i>20</i>	<i>22</i>	<i>26</i>	<i>25</i>
Electricity	D	14	12	11	11	7	5	10	11	27	18	21	25	29	37	43	47	58	83
Water & waste management	E	14	12	11	11	7	5	10	10	24	16	19	22	26	28	30	31	32	37
Construction	F	30	31	35	36	43	58	70	83	105	155	176	198	259	313	359	392	440	449
SERVICES	G-T	274	317	338	374	448	529	634	767	992	1,307	1,483	1,657	1,849	2,147	2,353	2,578	2,857	3,153
TRADE & TRANSPORT	G-H	52	60	66	77	91	113	140	177	222	326	358	407	463	553	593	640	699	761
Maintenance and repair of motor vehicles	GA	2	2	3	3	4	4	6	7	9	13	14	16	18	20	22	23	24	28
Wholesale & retail trade	GB	36	39	43	48	58	73	90	111	140	208	227	257	293	348	370	410	450	476
Transport services	H	15	18	21	26	29	36	44	57	72	98	112	130	147	182	201	207	225	257
OTHER SERVICES	I-T	214	247	264	292	350	412	495	598	784	983	1,132	1,256	1,388	1,588	1,760	1,938	2,158	2,392
Hotels & restaurants	I	6	7	7	10	15	20	31	39	47	57	60	68	73	77	80	96	107	124
Information & communication	J	6	7	9	11	12	15	18	23	29	40	46	52	58	73	72	80	92	93
Financial services	K	18	23	22	22	30	37	41	49	59	65	65	82	103	132	157	159	175	180
Real estate activities	L	87	92	96	100	117	125	139	151	230	316	384	401	422	418	415	452	486	551
Professional, scientific and technical activities	M	26	27	29	30	35	37	41	45	68	94	114	119	126	141	153	144	169	190
Administrative and support service activities	N	29	31	32	33	39	42	47	51	77	106	129	134	142	160	173	202	241	279
Public administration and defence; compulsory social security	O	42	46	48	49	56	60	66	76	86	100	116	137	165	210	238	260	282	329
Education	P	6	10	10	13	14	17	23	30	38	44	56	68	85	104	140	154	157	163
Human health and social work activities	Q	16	17	19	21	28	31	31	33	44	54	66	78	80	102	117	133	137	140
Cultural, domestic & other services	R-T	5	27	28	34	47	58	83	105	123	138	141	153	161	185	214	257	313	342
TAXES LESS SUBSIDIES ON PRODUCTS		47	49	57	66	81	98	112	129	157	215	239	266	328	301	304	377	414	417

Source: National Institute of Statistics of Rwanda
March 13, 2017

Table 1A
Gross Domestic product by Kind of Activity
Shares at current prices
(percentages)

Activity description	ISIC4	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
GROSS DOMESTIC PRODUCT (GDP)		100%																	
AGRICULTURE, FORESTRY & FISHING	A	37%	37%	37%	35%	38%	39%	38%	34%	30%	28%	29%	28%	28%	29%	29%	29%	28%	30%
Food crops	AA	32%	32%	32%	30%	33%	33%	32%	18%	17%	15%	16%	15%	16%	16%	17%	17%	17%	18%
Export crops	AB	1%	1%	1%	1%	1%	1%	1%	4%	2%	3%	2%	2%	2%	2%	2%	2%	2%	2%
Livestock & livestock products	AC	3%	2%	2%	3%	2%	2%	2%	4%	3%	3%	4%	3%	3%	3%	3%	3%	3%	3%
Forestry	AD	1%	1%	1%	2%	2%	2%	2%	10%	8%	9%	8%	8%	7%	7%	7%	6%	6%	6%
Fishing	AE	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
INDUSTRY	B-F	14%	13%	14%	14%	13%	14%	14%	13%	14%	15%	14%	15%	17%	17%	17%	17%	17%	17%
Mining & quarrying	B	0%	0%	1%	0%	0%	1%	1%	1%	2%	2%	1%	1%	3%	2%	3%	3%	2%	2%
TOTAL MANUFACTURING	C	8%	7%	7%	7%	7%	7%	7%	6%										
<i>Of which: Food</i>	<i>CA</i>	<i>1%</i>	<i>1%</i>	<i>1%</i>	<i>1%</i>	<i>1%</i>	<i>2%</i>												
<i>Beverages & tobacco</i>	<i>CB</i>	<i>3%</i>	<i>3%</i>	<i>2%</i>	<i>3%</i>	<i>2%</i>	<i>2%</i>	<i>2%</i>	<i>2%</i>	<i>1%</i>	<i>2%</i>								
<i>Textiles, clothing & leather goods</i>	<i>CC</i>	<i>1%</i>	<i>0%</i>																
<i>Wood & paper; printing</i>	<i>CD</i>	<i>0%</i>																	
<i>Chemicals, rubber & plastic products</i>	<i>CE</i>	<i>1%</i>																	
<i>Non-metallic mineral products</i>	<i>CF</i>	<i>1%</i>	<i>1%</i>	<i>1%</i>	<i>1%</i>	<i>1%</i>	<i>0%</i>												
<i>Metal products, machinery & equipment</i>	<i>CG</i>	<i>0%</i>																	
<i>Furniture & other manufacturing</i>	<i>CH</i>	<i>1%</i>	<i>1%</i>	<i>0%</i>															
Electricity	D	2%	2%	2%	1%	1%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Water & waste management	E	2%	2%	2%	1%	1%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Construction	F	5%	5%	5%	4%	4%	5%	5%	5%	5%	6%	6%	6%	7%	7%	7%	7%	7%	7%
SERVICES	G-T	45%	47%	46%	47%	45%	44%	44%	44%	47%	49%	48%	49%	47%	48%	48%	47%	48%	48%
TRADE & TRANSPORT	G-H	9%	9%	9%	10%	9%	9%	10%	10%	11%	12%								
Maintenance and repair of motor vehicles	GA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wholesale & retail trade	GB	6%	6%	6%	6%	6%	6%	6%	6%	7%	8%	7%	8%	8%	8%	8%	8%	8%	7%
Transport services	H	2%	3%	3%	3%	3%	3%	3%	3%	3%	4%	4%	4%	4%	4%	4%	4%	4%	4%
OTHER SERVICES	I-T	35%	37%	36%	37%	35%	34%	34%	34%	37%	37%	37%	37%	36%	35%	36%	35%	36%	36%
Hotels & restaurants	I	1%	1%	1%	1%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Information & communication	J	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	2%	1%	2%	1%	1%	2%	1%
Financial services	K	3%	3%	3%	3%	3%	3%	3%	3%	3%	2%	2%	2%	3%	3%	3%	3%	3%	3%
Real estate activities	L	14%	14%	13%	12%	12%	10%	10%	9%	11%	12%	13%	12%	11%	9%	8%	8%	8%	8%
Professional, scientific and technical activities	M	4%	4%	4%	4%	4%	3%	3%	3%	3%	4%	4%	4%	3%	3%	3%	3%	3%	3%
Administrative and support service activities	N	5%	5%	4%	4%	4%	3%	3%	3%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Public administration and defence; compulsory social security	O	7%	7%	7%	6%	6%	5%	5%	4%	4%	4%	4%	4%	4%	5%	5%	5%	5%	5%
Education	P	1%	1%	1%	2%	1%	1%	2%	2%	2%	2%	2%	2%	2%	2%	3%	3%	3%	2%
Human health and social work activities	Q	3%	3%	3%	3%	3%	3%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Cultural, domestic & other services	R-T	1%	4%	4%	4%	5%	5%	6%	6%	6%	5%	5%	5%	4%	4%	4%	5%	5%	5%
TAXES LESS SUBSIDIES ON PRODUCTS		8%	7%	8%	8%	8%	8%	8%	7%	8%	8%	8%	8%	8%	7%	6%	7%	7%	6%

Source: National Institute of Statistics of Rwanda
March 13, 2017

Table 2
Gross Domestic product by Kind of Activity
at constant 2014 prices
(in billion Rwf)

Activity description	ISIC4	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
GROSS DOMESTIC PRODUCT (GDP)		1,736	1,881	2,041	2,310	2,361	2,537	2,775	3,031	3,262	3,626	3,853	4,135	4,459	4,852	5,079	5,466	5,951	6,304
AGRICULTURE, FORESTRY & FISHING	A	702	754	821	960	930	947	1,009	1,036	1,063	1,132	1,219	1,280	1,340	1,427	1,474	1,572	1,650	1,714
Food crops	AA	398	428	466	553	533	531	573	581	604	642	702	737	774	829	859	934	968	997
Export crops	AB	60	69	79	83	69	112	87	115	82	106	90	102	105	114	109	107	122	125
Livestock & livestock products	AC	88	92	98	102	107	111	116	121	124	128	132	138	142	151	160	174	189	208
Forestry	AD	153	161	174	190	207	225	244	264	272	283	289	299	306	317	326	337	350	363
Fishing	AE	13	13	14	15	15	16	16	16	17	17	18	18	19	18	19	20	21	21
INDUSTRY	B-F	243	246	278	298	312	360	394	440	480	552	559	606	714	774	846	939	1,023	1,093
Mining & quarrying	B	21	29	79	60	48	71	93	80	114	96	79	71	106	98	118	147	140	154
TOTAL MANUFACTURING	C	114	114	125	144	151	170	184	208	210	221	228	249	270	285	299	322	349	372
<i>Of which: Food</i>	<i>CA</i>	<i>25</i>	<i>26</i>	<i>32</i>	<i>36</i>	<i>40</i>	<i>54</i>	<i>61</i>	<i>71</i>	<i>67</i>	<i>73</i>	<i>77</i>	<i>84</i>	<i>88</i>	<i>89</i>	<i>96</i>	<i>101</i>	<i>102</i>	<i>110</i>
<i>Beverages & tobacco</i>	<i>CB</i>	<i>58</i>	<i>53</i>	<i>53</i>	<i>64</i>	<i>58</i>	<i>59</i>	<i>66</i>	<i>71</i>	<i>70</i>	<i>72</i>	<i>75</i>	<i>76</i>	<i>82</i>	<i>86</i>	<i>89</i>	<i>95</i>	<i>101</i>	<i>104</i>
<i>Textiles, clothing & leather goods</i>	<i>CC</i>	<i>7</i>	<i>8</i>	<i>8</i>	<i>10</i>	<i>11</i>	<i>13</i>	<i>14</i>	<i>16</i>	<i>17</i>	<i>17</i>	<i>17</i>	<i>17</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>23</i>
<i>Wood & paper; printing</i>	<i>CD</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>10</i>	<i>11</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>14</i>	<i>15</i>	<i>17</i>
<i>Chemicals, rubber & plastic products</i>	<i>CE</i>	<i>13</i>	<i>13</i>	<i>14</i>	<i>16</i>	<i>19</i>	<i>21</i>	<i>23</i>	<i>27</i>	<i>27</i>	<i>28</i>	<i>28</i>	<i>29</i>	<i>34</i>	<i>34</i>	<i>33</i>	<i>32</i>	<i>37</i>	<i>39</i>
<i>Non-metallic mineral products</i>	<i>CF</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>9</i>	<i>9</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>11</i>	<i>13</i>	<i>15</i>	<i>16</i>	<i>18</i>	<i>22</i>	<i>26</i>
<i>Metal products, machinery & equipment</i>	<i>CG</i>	<i>4</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>6</i>	<i>5</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>7</i>	<i>10</i>	<i>13</i>	<i>16</i>	<i>14</i>	<i>18</i>	<i>25</i>	<i>29</i>
<i>Furniture & other manufacturing</i>	<i>CH</i>	<i>6</i>	<i>6</i>	<i>6</i>	<i>6</i>	<i>7</i>	<i>7</i>	<i>5</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>8</i>	<i>12</i>	<i>16</i>	<i>18</i>	<i>20</i>	<i>22</i>	<i>26</i>	<i>24</i>
Electricity	D	49	43	39	39	35	24	21	18	19	23	26	30	34	40	43	47	51	59
Water & waste management	E	37	33	30	29	27	18	16	14	15	17	20	23	26	28	30	31	31	33
Construction	F	75	77	85	87	95	114	124	140	161	206	209	228	281	322	357	392	453	475
SERVICES	G-T	646	720	769	858	918	1,012	1,132	1,282	1,439	1,638	1,740	1,900	2,052	2,290	2,410	2,578	2,847	3,049
TRADE & TRANSPORT	G-H	126	144	156	179	184	210	240	290	333	401	423	461	493	566	599	640	714	762
Maintenance and repair of motor vehicles	GA	5	6	7	8	8	9	10	12	13	16	16	18	19	21	22	23	24	26
Wholesale & retail trade	GB	89	101	107	122	124	140	158	187	215	256	267	291	314	358	378	410	462	491
Transport services	H	32	37	42	49	52	62	72	89	102	126	138	150	157	186	199	207	227	245
OTHER SERVICES	I-T	607	681	714	773	847	904	1,005	1,016	1,126	1,237	1,321	1,443	1,569	1,725	1,811	1,938	2,134	2,287
Hotels & restaurants	I	14	14	15	21	32	40	55	68	70	74	70	75	78	82	85	96	105	116
Information & communication	J	12	13	15	18	19	23	27	33	37	46	50	55	57	75	75	80	94	102
Financial services	K	43	52	54	53	64	69	70	77	86	87	84	103	124	140	154	159	179	185
Real estate activities	L	224	231	239	250	264	271	293	305	338	390	422	427	426	425	428	452	472	501
Professional, scientific and technical activities	M	74	77	79	83	88	90	97	101	112	130	140	142	141	150	156	144	165	175
Administrative and support service activities	N	84	87	90	94	99	102	110	114	127	146	158	160	160	170	176	202	235	258
Public administration and defence; compulsory social security	O	89	94	98	98	104	104	107	117	124	130	140	160	183	223	244	260	275	307
Education	P	28	33	37	51	49	58	69	74	84	90	104	113	134	143	149	154	157	160
Human health and social work activities	Q	31	32	37	40	48	52	50	54	62	69	80	92	94	116	123	133	146	155
Cultural, domestic & other services	R-T	9	48	51	64	82	95	127	152	173	177	167	179	178	197	221	257	306	328
TAXES LESS SUBSIDIES ON PRODUCTS		168	182	197	217	216	226	240	261	272	304	333	349	354	361	349	377	430	449

Source: National Institute of Statistics of Rwanda
March 13, 2017

Tables 2A
Gross Domestic product by Kind of Activity
Growth rates at constant 2014 prices
(percentage change from previous year)

Activity description	ISIC4	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
GROSS DOMESTIC PRODUCT (GDP)		8.4%	8.5%	13.2%	2.2%	7.4%	9.4%	9.2%	7.6%	11.2%	6.2%	7.3%	7.8%	8.8%	4.7%	7.6%	8.9%	5.9%	
AGRICULTURE, FORESTRY & FISHING	A	8%	9%	17%	-3%	2%	6%	3%	3%	6%	8%	5%	5%	6%	3%	7%	5%	4%	
Food crops	AA	8%	9%	19%	-4%	0%	8%	1%	4%	6%	9%	5%	5%	7%	4%	9%	4%	3%	
Export crops	AB	16%	13%	5%	-16%	62%	-22%	33%	-29%	14%	3%	9%	-5%	-2%	14%	2%			
Livestock & livestock products	AC	5%	7%	4%	4%	4%	4%	4%	4%	2%	3%	3%	5%	3%	6%	7%	8%	10%	
Forestry	AD	5%	8%	10%	9%	9%	8%	8%	3%	4%	2%	3%	3%	4%	3%	3%	4%	4%	
Fishing	AE	3%	8%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	-2%	5%	4%	3%	
INDUSTRY	B-F	2%	13%	7%	5%	16%	9%	12%	9%	15%	1%	8%	18%	8%	9%	11%	9%	7%	
Mining & quarrying	B	41%	172%	-24%	-20%	50%	30%	-14%	43%	-16%	-18%	-11%	50%	-7%	20%	25%	-5%	10%	
TOTAL MANUFACTURING	C	0%	10%	15%	5%	12%	8%	13%	1%	6%	3%	9%	8%	6%	5%	8%	8%	7%	
<i>Of which: Food</i>	<i>CA</i>	5%	25%	10%	11%	36%	12%	16%	-5%	8%	6%	9%	4%	1%	8%	6%	1%	8%	
<i>Beverages & tobacco</i>	<i>CB</i>	-8%	1%	19%	-9%	2%	11%	7%	-2%	3%	4%	2%	7%	4%	4%	7%	6%	3%	
<i>Textiles, clothing & leather goods</i>	<i>CC</i>	17%	4%	16%	11%	19%	9%	15%	9%	-1%	-2%	2%	-1%	8%	3%	7%	3%	10%	
<i>Wood & paper; printing</i>	<i>CD</i>	2%	6%	36%	35%	11%	36%	23%	18%	8%	8%	5%	-11%	15%	12%	10%	11%	11%	
<i>Chemicals, rubber & plastic products</i>	<i>CE</i>	0%	7%	19%	17%	10%	8%	19%	1%	3%	0%	5%	14%	2%	-3%	-2%	13%	5%	
<i>Non-metallic mineral products</i>	<i>CF</i>	7%	24%	18%	8%	3%	0%	7%	1%	5%	-6%	11%	18%	14%	7%	16%	20%	21%	
<i>Metal products, machinery & equipment</i>	<i>CG</i>	3%	6%	3%	14%	-7%	-18%	21%	22%	11%	-5%	44%	33%	26%	-14%	29%	38%	16%	
<i>Furniture & other manufacturing</i>	<i>CH</i>	3%	6%	3%	14%	-7%	-18%	21%	22%	11%	-5%	44%	33%	10%	12%	13%	17%	-10%	
Electricity	D	-11%	-10%	-1%	-9%	-32%	-11%	-13%	5%	18%	15%	15%	15%	17%	8%	9%	8%	16%	
Water & waste management	E	-11%	-10%	-1%	-9%	-32%	-11%	-13%	5%	18%	15%	15%	15%	17%	8%	5%	3%	1%	
Construction	F	4%	10%	3%	8%	20%	9%	13%	15%	28%	1%	9%	24%	15%	11%	10%	15%	5%	
SERVICES	G-T	11%	7%	12%	7%	10%	12%	13%	12%	14%	6%	9%	8%	12%	5%	7%	10%	7%	
TRADE & TRANSPORT	G-H	14%	8%	15%	3%	14%	14%	21%	15%	21%	5%	9%	7%	15%	6%	7%	11%	7%	
Maintenance and repair of motor vehicles	GA	13%	6%	14%	2%	13%	13%	18%	15%	19%	4%	9%	8%	8%	6%	4%	5%	7%	
Wholesale & retail trade	GB	13%	6%	14%	2%	13%	13%	18%	15%	19%	4%	9%	8%	14%	6%	8%	13%	6%	
Transport services	H	16%	14%	18%	6%	18%	17%	23%	15%	24%	9%	9%	4%	19%	7%	4%	10%	8%	
OTHER SERVICES	I-T	12%	5%	8%	10%	7%	11%	1%	11%	10%	7%	9%	9%	10%	5%	7%	10%	7%	
Hotels & restaurants	I	3%	4%	46%	51%	26%	37%	23%	3%	6%	-6%	8%	4%	6%	3%	12%	9%	11%	
Information & communication	J	16%	14%	18%	6%	18%	17%	23%	15%	23%	9%	9%	4%	33%	0%	7%	18%	9%	
Financial services	K	22%	5%	-2%	20%	8%	1%	9%	12%	2%	-4%	24%	20%	13%	10%	4%	12%	3%	
Real estate activities	L	3%	3%	5%	5%	3%	8%	4%	11%	15%	8%	1%	0%	0%	1%	6%	5%	6%	
Professional, scientific and technical activities	M	3%	3%	5%	5%	3%	8%	4%	11%	15%	8%	1%	0%	6%	4%	-8%	14%	6%	
Administrative and support service activities	N	3%	3%	5%	5%	3%	8%	4%	11%	15%	8%	1%	0%	6%	4%	15%	16%	10%	
Public administration and defence; compulsory social security	O	6%	4%	0%	6%	1%	3%	9%	6%	5%	7%	14%	15%	22%	9%	7%	5%	12%	
Education	P	18%	12%	39%	-5%	19%	18%	7%	15%	7%	15%	9%	18%	7%	4%	3%	2%	2%	
Human health and social work activities	Q	2%	14%	9%	20%	8%	-3%	8%	14%	12%	15%	16%	2%	23%	6%	8%	10%	6%	
Cultural, domestic & other services	R-T	417%	6%	26%	28%	16%	34%	19%	14%	2%	-5%	7%	-1%	11%	12%	16%	19%	7%	
TAXES LESS SUBSIDIES ON PRODUCTS		8%	8%	10%	-1%	4%	6%	9%	4%	11%	10%	5%	2%	2%	-3%	8%	14%	4%	

Source: National Institute of Statistics of Rwanda
March 13, 2017

Table 2B
Gross Domestic product by Kind of Activity
Growth rates at constant 2014 prices
(Percentage points)

Activity description	ISIC4	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
GROSS DOMESTIC PRODUCT (GDP)		7.7	10.6	5.0	6.3	6.7	8.3	4.7	7.6	8.9	5.9
AGRICULTURE, FORESTRY & FISHING	A	0.1	2.3	1.5	1.6	1.3	1.9	0.9	1.9	1.4	1.1
Food crops	AA	0.8	1.2	1.7	0.9	0.9	1.2	0.6	1.5	0.6	0.5
Export crops	AB	-1.1	0.7	-0.4	0.3	0.1	0.2	-0.1	0.0	0.3	0.1
Livestock & livestock products	AC	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.3	0.3
Forestry	AD	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Fishing	AE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRY	B-F	1.9	1.3	-0.1	0.9	2.9	1.2	1.5	1.8	1.5	1.2
Mining & quarrying	B	1.1	-0.6	-0.5	-0.2	0.8	-0.2	0.4	0.6	-0.1	0.2
TOTAL MANUFACTURING	C	0.0	0.3	0.2	0.5	0.5	0.3	0.2	0.5	0.5	0.4
<i>Of which: Food</i>	<i>CA</i>	<i>-0.1</i>	<i>0.2</i>	<i>0.1</i>	<i>0.2</i>	<i>0.1</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.0</i>	<i>0.1</i>
<i>Beverages & tobacco</i>	<i>CB</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>
<i>Textiles, clothing & leather goods</i>	<i>CC</i>	<i>0.0</i>									
<i>Wood & paper; printing</i>	<i>CD</i>	<i>0.0</i>									
<i>Chemicals, rubber & plastic products</i>	<i>CE</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.0</i>
<i>Non-metallic mineral products</i>	<i>CF</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>						
<i>Metal products, machinery & equipment</i>	<i>CG</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>
<i>Furniture & other manufacturing</i>	<i>CH</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.0</i>
Electricity	D	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Water & waste management	E	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Construction	F	0.7	1.4	0.1	0.5	1.3	0.9	0.7	0.7	1.1	0.4
SERVICES	G-T	5.2	6.1	2.8	4.2	3.7	5.3	2.5	3.3	4.9	3.4
TRADE & TRANSPORT	G-H	1.4	2.1	0.6	1.0	0.7	1.7	0.7	0.8	1.3	0.8
Maintenance and repair of motor vehicles	GA	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wholesale & retail trade	GB	0.9	1.3	0.3	0.6	0.6	1.0	0.4	0.6	1.0	0.5
Transport services	H	0.4	0.7	0.3	0.3	0.2	0.7	0.3	0.2	0.4	0.3
OTHER SERVICES	I-T	3.9	3.9	2.1	2.3	1.7	3.3	1.8	2.5	3.6	2.6
Hotels & restaurants	I	0.1	0.1	-0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Information & communication	J	0.2	0.3	0.1	0.1	0.0	0.4	0.0	0.1	0.3	0.1
Financial services	K	0.3	0.0	-0.1	0.5	0.5	0.4	0.3	0.1	0.4	0.1
Real estate activities	L	1.1	1.6	0.9	0.1	0.0	0.0	0.1	0.5	0.4	0.5
Professional, scientific and technical activities	M	0.4	0.5	0.3	0.0	0.0	0.2	0.1	-0.2	0.4	0.2
Administrative and support service activities	N	0.4	0.6	0.3	0.0	0.0	0.2	0.1	0.5	0.6	0.4
Public administration and defence; compulsory social security	O	0.2	0.2	0.3	0.5	0.6	0.9	0.4	0.3	0.3	0.5
Education	P	0.4	0.2	0.4	0.2	0.5	0.2	0.1	0.1	0.0	0.0
Human health and social work activities	Q	0.3	0.2	0.3	0.3	0.0	0.5	0.1	0.2	0.2	0.2
Cultural, domestic & other services	R-T	0.7	0.1	-0.3	0.3	0.0	0.4	0.5	0.7	0.9	0.4
TAXES LESS SUBSIDIES ON PRODUCTS		0.4	1.0	0.8	0.4	0.1	0.1	-0.2	0.5	1.0	0.3

Source: National Institute of Statistics of Rwanda
March 13, 2017

Table 3
Gross Domestic product by Kind of Activity
Deflators
(2014=100)

Activity description	ISIC4	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
GROSS DOMESTIC PRODUCT (GDP)		35	36	36	35	42	48	52	57	64	73	79	81	87	93	97	100	100	105
AGRICULTURE, FORESTRY & FISHING	A	32	33	34	29	41	49	55	57	60	66	73	74	81	91	97	100	101	114
Food crops	AA	49	51	51	43	62	75	82	53	58	62	71	70	79	89	98	100	102	121
Export crops	AB	10	11	11	8	10	12	21	61	61	63	72	77	78	92	77	100	89	103
Livestock & livestock products	AC	18	17	18	20	20	23	24	56	57	71	82	82	89	95	99	100	103	108
Forestry	AD	5	5	6	7	7	12	14	64	64	80	84	86	92	99	100	100	101	102
Fishing	AE	24	20	20	23	26	29	33	37	40	51	58	64	75	88	97	100	108	110
INDUSTRY	B-F	36	37	37	36	40	46	50	53	62	70	78	83	91	96	100	100	99	100
Mining & quarrying	B	3	4	7	4	5	11	11	28	38	53	42	64	97	99	106	100	94	89
TOTAL MANUFACTURING	C	43	44	41	41	44	47	52	50	55	67	81	84	87	95	98	100	101	104
<i>Of which: Food</i>	<i>CA</i>	<i>27</i>	<i>29</i>	<i>29</i>	<i>28</i>	<i>33</i>	<i>39</i>	<i>45</i>	<i>48</i>	<i>51</i>	<i>63</i>	<i>74</i>	<i>79</i>	<i>90</i>	<i>98</i>	<i>97</i>	<i>100</i>	<i>102</i>	<i>108</i>
<i>Beverages & tobacco</i>	<i>CB</i>	<i>33</i>	<i>33</i>	<i>34</i>	<i>36</i>	<i>38</i>	<i>39</i>	<i>41</i>	<i>39</i>	<i>44</i>	<i>57</i>	<i>75</i>	<i>79</i>	<i>80</i>	<i>89</i>	<i>95</i>	<i>100</i>	<i>101</i>	<i>105</i>
<i>Textiles, clothing & leather goods</i>	<i>CC</i>	<i>58</i>	<i>61</i>	<i>55</i>	<i>56</i>	<i>58</i>	<i>60</i>	<i>65</i>	<i>65</i>	<i>66</i>	<i>77</i>	<i>77</i>	<i>83</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Wood & paper; printing</i>	<i>CD</i>	<i>61</i>	<i>65</i>	<i>64</i>	<i>64</i>	<i>67</i>	<i>72</i>	<i>79</i>	<i>82</i>	<i>83</i>	<i>84</i>	<i>83</i>	<i>95</i>	<i>102</i>	<i>102</i>	<i>102</i>	<i>100</i>	<i>105</i>	<i>109</i>
<i>Chemicals, rubber & plastic products</i>	<i>CE</i>	<i>48</i>	<i>51</i>	<i>49</i>	<i>50</i>	<i>50</i>	<i>57</i>	<i>62</i>	<i>63</i>	<i>66</i>	<i>77</i>	<i>76</i>	<i>80</i>	<i>86</i>	<i>94</i>	<i>100</i>	<i>100</i>	<i>97</i>	<i>98</i>
<i>Non-metallic mineral products</i>	<i>CF</i>	<i>92</i>	<i>86</i>	<i>69</i>	<i>57</i>	<i>62</i>	<i>61</i>	<i>57</i>	<i>62</i>	<i>66</i>	<i>76</i>	<i>88</i>	<i>94</i>	<i>96</i>	<i>98</i>	<i>100</i>	<i>100</i>	<i>97</i>	<i>96</i>
<i>Metal products, machinery & equipment</i>	<i>CG</i>	<i>67</i>	<i>65</i>	<i>61</i>	<i>59</i>	<i>60</i>	<i>66</i>	<i>76</i>	<i>72</i>	<i>74</i>	<i>89</i>	<i>96</i>	<i>95</i>	<i>98</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Furniture & other manufacturing</i>	<i>CH</i>	<i>67</i>	<i>65</i>	<i>61</i>	<i>59</i>	<i>60</i>	<i>66</i>	<i>75</i>	<i>72</i>	<i>73</i>	<i>88</i>	<i>96</i>	<i>95</i>	<i>98</i>	<i>100</i>	<i>100</i>	<i>100</i>	<i>101</i>	<i>105</i>
Electricity	D	28	29	29	29	20	20	46	62	139	79	81	82	83	91	99	100	114	141
Water & waste management	E	37	37	37	39	26	26	61	74	167	95	97	99	100	100	100	100	105	114
Construction	F	40	40	41	41	46	51	56	59	65	75	84	87	92	97	101	100	97	95
SERVICES	G-T	42	44	44	44	49	52	56	60	69	80	85	87	90	94	98	100	100	103
TRADE & TRANSPORT	G-H	42	42	43	43	49	54	58	61	67	81	85	88	94	98	99	100	98	100
Maintenance and repair of motor vehicles	GA	40	38	39	39	46	52	57	59	65	81	85	88	93	97	99	100	101	108
Wholesale & retail trade	GB	40	39	40	39	46	52	57	59	65	81	85	88	93	97	98	100	97	97
Transport services	H	46	50	51	53	56	59	61	65	70	78	81	87	94	98	101	100	99	105
OTHER SERVICES	I-T	35	36	37	38	41	46	49	59	70	79	86	87	88	92	97	100	101	105
Hotels & restaurants	I	45	47	46	45	47	51	56	58	68	77	87	90	93	93	94	100	103	107
Information & communication	J	51	56	56	58	62	64	68	71	79	86	91	96	102	97	96	100	97	91
Financial services	K	41	44	40	41	47	54	59	64	68	74	77	80	83	94	102	100	98	97
Real estate activities	L	39	40	40	40	44	46	47	49	68	81	91	94	99	99	97	100	103	110
Professional, scientific and technical activities	M	35	36	36	36	40	41	42	44	61	72	81	84	89	94	98	100	102	108
Administrative and support service activities	N	35	36	36	36	40	41	42	44	61	72	81	84	89	94	98	100	103	108
Public administration and defence; compulsory social security	O	47	49	50	50	54	58	61	65	70	77	83	86	90	94	98	100	103	107
Education	P	23	29	27	25	29	29	34	41	45	49	54	60	64	73	94	100	100	102
Human health and social work activities	Q	52	54	51	53	58	60	61	62	71	78	82	84	85	88	95	100	93	90
Cultural, domestic & other services	R-T	55	56	55	54	57	62	65	69	71	78	84	86	91	94	97	100	102	104
TAXES LESS SUBSIDIES ON PRODUCTS		28	27	29	30	38	43	47	49	58	71	72	76	92	83	87	100	96	93

Source: National Institute of Statistics of Rwanda
March 13, 2017

Table 4
Expenditure on GDP
(in billion Rwf)

	2011	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
in current prices																			
Gross Domestic Product	5,466	607	676	742	797	993	1,206	1,440	1,739	2,092	2,658	3,057	3,367	3,897	4,494	4,929	5,466	5,956	6,618
Total final consumption expenditure	5,078	638	711	757	823	1,005	1,189	1,411	1,670	1,896	2,480	2,891	3,197	3,637	4,192	4,501	5,078	5,617	6,088
Government	824	115	126	139	156	191	221	262	302	324	357	422	479	510	625	667	824	874	1,005
Households and NGOs	4,254	524	585	619	667	814	968	1,150	1,368	1,573	2,123	2,469	2,718	3,127	3,567	3,833	4,254	4,743	5,083
Gross capital formation	1,382	80	90	102	108	138	181	227	292	395	637	714	774	914	1,158	1,308	1,382	1,579	1,728
Gross fixed capital formation	1,333	80	90	102	108	138	181	227	279	380	618	692	749	887	1,118	1,254	1,333	1,541	1,691
Construction	953	61	65	73	76	96	135	166	214	267	394	440	490	634	774	893	953	1,116	1,191
Other	380	19	26	28	31	41	46	61	66	113	224	252	259	253	344	361	380	425	499
Change in inventories	50								13	15	19	22	24	27	41	53	50	38	37
Resource balance	-994	-111	-125	-117	-133	-150	-165	-199	-223	-200	-459	-548	-604	-654	-856	-879	-994	-1,240	-1,198
Exports of goods & services	805	38	43	63	56	84	134	165	211	328	334	359	405	538	576	694	805	850	996
Goods (fob)	400	21	27	41	32	33	55	67	79	98	147	114	157	279	315	392	400	376	419
Services	404	17	16	21	24	51	79	97	133	230	187	245	248	259	261	303	404	474	577
Imports of goods & services	1,799	149	168	180	189	234	299	363	434	528	793	907	1,010	1,192	1,432	1,574	1,799	2,089	2,194
Goods (fob)	1,264	84	90	102	100	125	162	205	250	327	504	604	710	850	1,070	1,126	1,264	1,313	1,370
Services	535	65	78	78	89	109	137	158	184	200	288	303	300	342	362	448	535	776	824
in constant 2014 prices																			
Gross Domestic Product	5,466	1,735	1,880	2,040	2,309	2,360	2,535	2,773	3,029	3,262	3,626	3,854	4,135	4,457	4,851	5,079	5,466	5,951	6,304
Total final consumption expenditure	5,078	1,789	1,995	2,079	2,358	2,272	2,429	2,647	3,000	3,039	3,222	3,592	3,792	4,088	4,438	4,588	5,078	5,680	5,953
Government	824	233	244	266	304	340	372	407	446	451	461	515	568	590	684	682	824	866	945
Households and NGOs	4,254	1,555	1,751	1,813	2,054	1,932	2,057	2,240	2,554	2,588	2,761	3,077	3,224	3,497	3,754	3,905	4,254	4,814	5,008
Gross capital formation	1,382	226	263	264	284	313	350	407	496	623	821	841	902	1,001	1,212	1,311	1,382	1,630	1,767
Gross fixed capital formation	1,333	226	263	264	284	313	350	407	478	604	800	820	879	974	1,179	1,271	1,333	1,583	1,726
Construction	953	153	158	176	186	208	260	293	342	396	513	520	567	706	814	906	953	1,102	1,131
Other	380	73	105	88	99	105	90	114	136	209	288	300	312	268	364	365	380	481	595
Change in inventories	50								17	19	21	22	24	27	33	40	50	46	42
Resource balance	-994	-284	-386	-306	-343	-235	-259	-292	-467	-400	-417	-579	-559	-631	-800	-820	-994	-1,358	-1,416
Exports of goods & services	805	132	133	186	195	235	310	344	354	513	451	439	474	581	633	750	805	855	966
Goods (fob)	400	81	86	123	122	100	120	131	131	151	190	138	178	289	355	442	400	393	433
Services	404	52	47	63	73	135	189	213	223	361	260	301	296	292	277	308	404	462	532
Imports of goods & services	1,799	417	519	492	538	470	569	636	821	913	868	1,019	1,033	1,212	1,432	1,570	1,799	2,213	2,382
Goods (fob)	1,264	191	223	226	228	200	247	291	384	482	569	655	716	861	1,056	1,117	1,264	1,407	1,505
Services	535	225	296	266	310	270	322	345	437	431	299	364	317	352	376	453	535	806	877

Source: National Institute of Statistics of Rwanda
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Table 4A
Expenditure on GDP

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Percentage of GDP, in current prices																		
Gross Domestic Product	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total final consumption expenditure	105%	105%	102%	103%	101%	99%	98%	96%	91%	93%	95%	95%	93%	93%	91%	93%	94%	92%
Government	19%	19%	19%	20%	19%	18%	18%	17%	15%	13%	14%	14%	13%	14%	14%	15%	15%	15%
Households and NGOs	86%	87%	83%	84%	82%	80%	80%	79%	75%	80%	81%	81%	80%	79%	78%	78%	80%	77%
Gross capital formation	13%	13%	14%	13%	14%	15%	16%	17%	19%	24%	23%	23%	23%	26%	27%	25%	27%	26%
Gross fixed capital formation	13%	13%	14%	13%	14%	15%	16%	16%	18%	23%	23%	22%	23%	25%	25%	24%	26%	26%
Construction	10%	10%	10%	10%	10%	11%	12%	12%	13%	15%	14%	15%	16%	17%	18%	17%	19%	18%
Other	3%	4%	4%	4%	4%	4%	4%	4%	5%	8%	8%	8%	6%	8%	7%	7%	7%	8%
Change in inventories	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Resource balance	-18%	-19%	-16%	-17%	-15%	-14%	-14%	-13%	-10%	-17%	-18%	-18%	-17%	-19%	-18%	-18%	-21%	-18%
Exports of goods & services	6%	6%	8%	7%	8%	11%	11%	12%	16%	13%	12%	12%	14%	13%	14%	15%	14%	15%
Goods (fob)	3%	4%	6%	4%	3%	5%	5%	5%	5%	6%	4%	5%	7%	7%	8%	7%	6%	6%
Services	3%	2%	3%	3%	5%	7%	7%	8%	11%	7%	8%	7%	7%	6%	6%	7%	8%	9%
Imports of goods & services	25%	25%	24%	24%	24%	25%	25%	25%	25%	30%	30%	30%	31%	32%	32%	33%	35%	33%
Goods (fob)	14%	13%	14%	13%	13%	13%	14%	14%	16%	19%	20%	21%	22%	24%	23%	23%	22%	21%
Services	11%	12%	11%	11%	11%	11%	11%	11%	10%	11%	10%	9%	9%	8%	9%	10%	13%	12%
Growth rates, in constant 2014 prices																		
Gross Domestic Product		8.4%	8.5%	13.2%	2.2%	7.4%	9.4%	9.2%	7.7%	11.2%	6.3%	7.3%	7.8%	8.8%	4.7%	7.6%	8.9%	5.9%
Total final consumption expenditure		12%	4%	13%	-4%	7%	9%	13%	1%	6%	11%	6%	8%	9%	3%	11%	12%	5%
Government		4%	9%	14%	12%	10%	9%	9%	1%	2%	12%	10%	4%	16%	0%	21%	5%	9%
Households and NGOs		13%	4%	13%	-6%	6%	9%	14%	1%	7%	11%	5%	8%	7%	4%	9%	13%	4%
Gross capital formation		16%	0%	8%	10%	12%	16%	22%	26%	32%	2%	7%	11%	21%	8%	5%	18%	8%
Gross fixed capital formation		16%	0%	8%	10%	12%	16%	18%	26%	32%	2%	7%	11%	21%	8%	5%	19%	9%
Construction		4%	11%	5%	12%	25%	13%	17%	16%	30%	1%	9%	25%	15%	11%	5%	16%	3%
Other		43%	-16%	12%	6%	-14%	26%	20%	53%	38%	4%	4%	-14%	36%	0%	4%	27%	24%
Change in inventories									7%	11%	6%	8%	14%	24%	20%	24%	-7%	-11%
Resource balance																		
Exports of goods & services		0%	40%	5%	20%	32%	11%	3%	45%	-12%	-3%	8%	23%	9%	19%	7%	6%	13%
Goods (fob)		6%	43%	0%	-18%	20%	9%	0%	16%	26%	-27%	29%	62%	23%	24%	-9%	-2%	10%
Services		-9%	34%	16%	85%	40%	12%	5%	62%	-28%	16%	-2%	-1%	-5%	11%	31%	14%	15%
Imports of goods & services		25%	-5%	9%	-13%	21%	12%	29%	11%	-5%	17%	1%	17%	18%	10%	15%	23%	8%
Goods (fob)		16%	1%	1%	-12%	23%	18%	32%	25%	18%	15%	9%	20%	23%	6%	13%	11%	7%
Services		31%	-10%	16%	-13%	19%	7%	27%	-1%	-31%	22%	-13%	11%	7%	21%	18%	51%	9%
Deflators																		
Gross Domestic Product	35	36	36	35	42	48	52	57	64	73	79	81	87	93	97	100	100	105
Total final consumption expenditure	36	36	36	35	44	49	53	56	62	77	80	84	89	94	98	100	99	102
Government	49	52	52	51	56	60	64	68	72	77	82	84	86	91	98	100	101	106
Households and NGOs	34	33	34	32	42	47	51	54	61	77	80	84	89	95	98	100	99	102
Gross capital formation	35	34	39	38	44	52	56	59	63	78	85	86	91	96	100	100	97	98
Gross fixed capital formation	35	34	39	38	44	52	56	58	63	77	84	85	91	95	99	100	97	98
Construction	40	41	42	41	46	52	57	62	68	77	85	86	90	95	98	100	101	105
Other	26	25	32	31	39	51	54	48	54	78	84	83	94	94	99	100	88	84
Change in inventories								73	82	93	102	104	100	122	133	100	81	89
Resource balance																		
Exports of goods & services	29	32	34	29	36	43	48	60	64	74	82	86	92	91	93	100	99	103
Goods (fob)	26	31	34	26	33	46	51	60	65	77	82	88	96	89	89	100	96	97
Services	33	34	34	33	37	42	46	59	64	72	81	84	89	94	98	100	103	108
Imports of goods & services	36	32	37	35	50	53	57	53	58	91	89	98	98	100	100	100	94	92
Goods (fob)	44	41	45	44	62	66	71	65	68	89	92	99	99	101	101	100	93	91
Services	29	26	29	29	40	43	46	42	47	97	83	95	97	96	99	100	96	94

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