



REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

**ANNUAL AND QUARTERLY ESTIMATES OF GDP
REBASED ON 2011**

An explanatory note with annual tables

June 2014

The rebased annual and quarterly estimates of GDP

Summary

The rebased series of annual and quarterly estimates of GDP (and corresponding growth rates) differ from those previously published. See Annex B for the new annual estimates.

These series, which are expressed at constant 2011 prices (to remove the effects of prices changes) as well as in current prices, are the result of extrapolating the new benchmark supply use table (SUT) for the year 2011. In order to produce these new estimates based on 2011, it was necessary to redevelop the previous processing system (based on the 2006 SUT).

There are three main reasons for the revisions since 2011 (which are a constant feature of national accounting in any country):

- The introduction of new or improved data sources and methods of extrapolating the benchmark up to date
- The effects of the new benchmark changes in relative prices between 2006 and 2011.
- From some categories, the switch between ISIC Rev.3 and ISIC Rev.4

Before 2011, the quarterly estimates have been revised backwards to 2006, while maintaining the growth rates previously recorded. The effects of this are described in more detail below.

Improved sources and methods

There are three possible methods of extrapolating the 2011 benchmark estimates of total output using indicators. These are

- Indicators based on both values and quantities (volumes) of production
- Indicators based on values of production and price indicators for deflating these
- Indicators (or proxy indicators) of quantities and price indicators for inflating these to estimate the current values

Value added (GDP by activity) is derived by applying input-output ratios to the resulting estimates of output. In the absence of more up-to-date information the input-output ratios remain fixed.

The sources and methods currently used in compiling the quarterly indicators of total output are summarised in Annex A. The main improvements were as follows:

- VAT sales data have been modified by reference to the turnover of all business income tax returns made by both corporate and individual taxpayers for the years 2011, 2012 and 2013. (Quarterly VAT sales data are based on regular returns made by VAT traders and include non-taxable as well as taxable sales.)
- In several places, estimates of informal activity previously based on population growth have been replaced. The new estimates are obtained by extrapolating the growth in consumption recorded between the household surveys conducted in 2006 and 2011 and modifying the results by imports and exports. For livestock production in particular, a new model stock reconciliation is used, based on a similar technique
- Where the data on imports are used, an improved method has been developed to adjust the Customs valuations (which are since July 2009 mostly valued at the border of the East Africa Customs Union) to a CIF Rwanda basis. In addition a new system

for estimating unit value indices (UVIs) has been implemented and these are now used to deflate the current values to constant 2011 prices.

- The analysis of government expenditure has been improved by using the detailed chart of accounts codes to classify the data from the MINECFIN FMIS database.
- The calculation of taxes on products at constant 2011 prices has been improved by replacing the previous indicator (overall gross value added at constant prices) by more appropriate indicators. For example, for import duties and VAT on each category of imports, the average tax rates in 2011 have been applied to the deflated value of the value of imports in that category. Subsidies have also been included for the first time.

Effects of the benchmark

Changing the base year from 2006 to 2011 (even if there were no other changes) affects the overall growth rates of GDP. This occurs because changes to the relative prices of the different activities affect the weights with which the growth rates (through the constant price estimates) are aggregated.

But these weights are also affected by the new SUT. Some datasets, such as household expenditure and the population censuses, are not available every year and the SUT is the way in which they are taken into account. New datasets have become available and these have also been incorporated. (See the note on the supply use table for more details.) Thus, while for GDP as a whole the 2011 SUT showed little change from previously published estimates, the estimates of value added for many activities did change, some up and others down.

The new activity classification

Countries belonging to the East African Community have undertaken to switch from Revision 3 of the International Standard Industrial Classification (ISIC Rev.3) to Revision 4. The main innovation in ISIC Rev.4 is the introduction of a new Information and Communication category. This category includes publishing, broadcasting, and film making; telecommunication services; and information technology services. Previously these were included with manufacturing, transport and communications, and business and other services.

The transition has been achieved by recoding businesses classified by Rev.3 through a correspondence table. NISR made substantial efforts to check the coding of the most important enterprises.

Estimates before 2011

When GDP estimates are rebased, all series at constant prices are normally expressed in the price level of the new base year. For recent years it is appropriate to aggregate the figures for each component at the new level, to make the total. The resulting growth rates in the totals are in general different from those obtained on the basis of the previous base year.

However before a certain date, in this case 2011, it is considered more appropriate to retain the growth rates in the totals aggregated according to the relative prices of previous base years. This achieved by rescaling the total series and the components rather than by adding

up the components at their new levels. In doing so, additively is lost: the historical components do not add up to the historical total.¹

Annex A

Summary Sources and methods

The table on the following pages gives a brief summary of the sources and the methods used to compile indicators of total output at current and at constant prices.

The abbreviations used in the table are listed below

Acronym	Description
P*Q	Price index multiplied by Quantity indicator
V/P	Value indicator divided by Price index
V/Q	Value indicator divided by Quantity indicator
autocons	Consumption of own produce
CPI	Consumer Price Index
EICV	Enquête Intégrale des Conditions de vie (Integrated Living Conditions Survey)
EWSA	Electricity water and sanitation
FMIS	Financial Information Management System
MINAGRI	Ministry of Agriculture
MINECOFIN	Ministry of Finance & Economy
MIS	Market Information System
NAEB	National Agriculture Export Development Board
NISR	National Institute of Statistics of Rwanda
PPI	Producer Price Index
RRA	Rwanda Revenue Authority
SAS	Seasonal Agricultural Survey
UVIs	Unit Value Indices
VAT	Value Added Tax

¹It is common international practice, in many countries, for real growth in a year to be determined using the prices of the previous year. Thus, “constant price” series are additive only in the year chosen to act as the “reference base” and the year following it.

Summary sources and methods for total output at current and constant prices

Activity	ISIC4	Mode	Current prices	Constant prices	Deflator/inflator indices
AGRICULTURE, FORESTRY & FISHING					
	A				
Food crops	AA	Informal & autocons	P*Q	SAS from 2013; MINAGRI crop forecasts (adjusted by NISR)	MINAGRI MIS & CPI items
Export crops	AB	Informal	P*Q	NAEB for tea & coffee; prodn data for sugar & tobacco	NAEB for tea & coffee; PPIs (proxy) for others
Livestock & livestock products	AC	Informal & autocons	P*Q	Livestock model: extrapolated inter-EICV trends modified by external trade	MINAGRI MIS & CPI items
Forestry	AD	Informal & autocons	P*Q	Extrapolated inter-EICV trends modified by external trade	CPI items for wood, charcoal
Fishing	AE	Informal & autocons	P*Q	Extrapolated inter-EICV trends modified by external trade	CPI items for fish
INDUSTRY					
	B-F				
Mining & quarrying	B	Total Formal Informal	Export values for mining; P*Q for quarrying VAT sales data Total less Formal	V/Ps for mining; construction output for quarrying	Export UVI for mining; PPI proxy for quarrying
TOTAL MANUFACTURING					
	C				
<i>Manufacturing of food</i>	CA	Total Formal Informal & autocons	P*Q VAT sales data Total less Formal	Agric prodn indicators	PPI & CPI items
<i>Manufacturing of beverages & tobacco</i>	CB	Total Formal Informal & autocons	Formal plus Informal P*Q P*Q	Formal plus Informal Enterprise data Banana/sorghum prodn & total popn	PPI items CPI item
<i>Manufacturing of textiles, clothing & leather goods</i>	CC	Total Formal Informal	VAT sales data P*Q	V/P Extrapolated inter-EICV trends modified by external trade trend	Industry PPI Industry PPI
<i>Manufacturing of wood & paper; printing</i>	CD	Total Formal Informal	VAT sales data P*Q	V/P Construction output index	Industry PPI Industry PPI
<i>Manufacturing of chemicals, rubber & plastic products</i>	CE	Total Formal Informal	VAT sales data P*Q	V/P Soap prodn & total popn	Industry PPI Industry PPI

Summary sources and methods for total output at current and constant prices (continued)

Activity	ISIC4	Mode	Current prices	Constant prices	Deflator/inflator indices
<i>Manufacturing of non-metallic mineral products</i>	CF	Total			
		Formal	Enterprise data for cement ; VAT sales data otherwise	Enterprise data for cement ; V/P otherwise	Bricks etc PPI
		Informal	P*Q	Local cement prodn	Bricks etc PPI
<i>Manufacturing of metal products, machinery & equipment</i>	CG	Total			
		Formal	VAT sales data	V/P	As for furniture
		Informal	P*Q	Formal trends & construction output	As for furniture
<i>Furniture & other manufacturing</i>	CH	Total			
		Formal	VAT sales data	V/P	Furniture CPI
		Informal	P*Q	Extrapolated inter-EICV trends modified by external trade trend; also urban popn	Furniture CPI
Electricity	D	Formal	P*Q	EWSA data on prodn, imports & exports	EWSA data
Water & waste management	E	Formal	P*Q	EWSA data	EWSA data
		Informal	P*Q	Rural popn	Water #CPI
Construction	F	Modern	Q*P	Lagged cement indicator (prodn & imports)	CPI & cement prices
		Formal	VAT sales data	V/P	as Modern
		Informal	Q*P	Modern less Formal	
		Traditional autocons	Q*P	Inter-EICV trend extrapolated	as Modern
SERVICES	G-T				
TRADE & TRANSPORT	G-H				
Maintenance & repair of motor vehicles	GA	Total	P*Q	Model of vehicle stocks	CPI transport & all items
		Formal	VAT sales data	P/V	CPI transport & all items
		Informal	Total less Formal		
Wholesale & retail trade	GB	Total	Prodn & import value indicators	Prodn & import quantity indicators	V/Q
		Formal	VAT sales data	V/P	as Total
		Informal	Total less Formal		
Air transport	H	Formal	P*Q & VAT sales data	Air passenger movements & V/P	CPI*Exchange rate & Transport CPI
Other transport services	H	Total			
		Formal	VAT sales data	V/P	Transport CPI
		Informal	P*Q	Trends in commercial trade & urban popn	Transport CPI

Summary sources and methods for total output at current and constant prices (continued)

Activity	ISIC4	Mode	Current prices	Constant prices	Deflator/inflator indices
OTHER SERVICES					
I-T					
Hotels & restaurants	I	Total	P*Q	Occupancy survey for hotels; extrapolated inter-EICV trends for other catering	CPI items
		Formal	VAT sales data		
		Informal	Total less Formal		
Information & communication	J	Formal	VAT sales data	V/P	Communication CPI
Financial services	K	Formal	Income statements for banks & insurance; VAT for others	V/P	All items CPI
Real estate activities	L	Autocons	P*Q	Extrapolated inter-EICV trends	Rent CPI
		Informal	P*Q	Extrapolated inter-EICV trends	Rent CPI
		Formal	VAT sales data of other real estate	V/P	Rent CPI
Professional, scientific & technical activities	M	Total			
		Formal	VAT sales data	V/P	All items CPI
		Informal	P*Q	Extrapolated inter-EICV trends in urban housing	All items CPI
Administrative & support service activities	N	Total			
		Formal	VAT sales data	V/P	All items CPI
		Informal	P*Q	As for professional services	All items CPI
Public administration & defence; compulsory social security	O	Non-market	MINECOFIN FMIS database adjusted for unrecorded project expenditure	V/P	All items CPI & assumed wage increases
Education	P		FMIS & P*Q for household spending	Numbers of students (by level) and staff	V/Q & Education CPI
Human health & social work activities	Q		FMIS & P*Q: imported pharma	Total popn	Health & all items CPI; Imported pharma UVI
Cultural, domestic & other services	R-T	Total			
		Formal	VAT sales data	V/P	Recreation etc & all items CPI
		Informal	P*Q	Urban population	Recreation etc & all items CPI
Taxes less subsidies on products					
Taxes on products		Formal	RRA data	Relevant quantity indicators (eg imports subject to duties and VAT in the base period)	
Subsidies		Formal	Relevant value (sales) data	Corresponding quantity indicators	

Source: National Institute of Statistics of Rwanda

Annex B

ANNUAL ESTIMATES OF GDP BY ACTIVITY

The following pages contain annual estimates of GDP from 2006 to 2013.

They are as follows:

Table 1	Gross domestic product by kind of activity at current prices
Table 1A	Gross domestic product by kind of activity: shares at current prices
Table 2	Gross domestic product by kind of activity at constant 2011 prices
Table 2A prices	Gross domestic product by kind of activity growth rates at constant 2011
Table 3	Gross domestic product by kind of activity: deflators

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

Activity description	ISIC4	2006	2007	2008	2009	2010	2011	2012	2013
GROSS DOMESTIC PRODUCT (GDP)		1,716	2,065	2,623	3,017	3,323	3,846	4,480	4,915
AGRICULTURE, FORESTRY & FISHING	A	675	725	858	1,022	1,082	1,244	1,483	1,624
Food crops	AA	428	489	551	687	719	845	1,025	1,162
Export crops	AB	66	47	64	61	75	78	100	79
Livestock & livestock products	AC	65	68	87	104	109	122	137	152
Forestry	AD	111	114	148	159	169	185	204	212
Fishing	AE	6	7	9	10	12	14	16	18
INDUSTRY	B-F	198	256	331	372	428	554	638	724
Mining & quarrying	B	16	31	37	24	33	74	70	89
TOTAL MANUFACTURING	C	91	100	128	159	181	204	234	253
<i>Manufacturing of food</i>	CA	22	22	29	36	42	50	55	59
<i>Manufacturing of beverages & tobacco</i>	CB	42	46	61	84	91	99	115	127
<i>Manufacturing of textiles, clothing & leather goods</i>	CC	5	5	6	6	7	8	9	9
<i>Manufacturing of wood & paper; printing</i>	CD	8	10	11	12	14	14	16	17
<i>Manufacturing of chemicals, rubber & plastic products</i>	CE	5	6	7	7	7	9	10	10
<i>Manufacturing of non-metallic mineral products</i>	CF	4	5	6	6	7	9	10	11
<i>Manufacturing of metal products, machinery & equipment</i>	CG	3	3	4	4	6	9	11	10
<i>Furniture & other manufacturing</i>	CH	2	3	4	4	6	8	9	10
Electricity	D	5	11	7	8	10	11	15	17
Water & waste management	E	5	13	9	10	12	14	15	15
Construction	F	81	102	150	171	193	251	304	350
SERVICES	G-T	742	960	1,265	1,435	1,604	1,790	2,123	2,327
TRADE & TRANSPORT	G-H	226	283	416	458	520	592	707	758
Maintenance & repair of motor vehicles	GA	7	9	13	15	16	19	21	23
Wholesale & retail trade	GB	177	222	331	361	408	466	553	589
Transport services	H	42	52	71	82	95	107	133	147
OTHER SERVICES	I-T	516	677	849	977	1,084	1,198	1,415	1,569
Hotels & restaurants	I	54	65	79	83	93	100	106	110
Information & communication	J	37	47	63	73	84	93	117	116
Financial services	K	51	61	68	68	86	108	182	216
Real estate activities	L	102	155	214	260	271	286	283	280
Professional, scientific and technical activities	M	35	53	73	89	93	97	110	119
Administrative and support service activities	N	36	55	76	93	97	102	115	124
Public administration and defence; compulsory social security	O	53	60	70	81	95	115	147	165
Education	P	43	54	64	81	98	122	150	201
Human health and social work activities	Q	16	21	26	32	37	39	49	56
Cultural, domestic & other services	R-T	89	104	117	119	130	137	156	182
Taxes less subsidies on products		101	124	169	188	209	258	237	239

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

Activity description	ISIC4	2006	2007	2008	2009	2010	2011	2012	2013
GROSS DOMESTIC PRODUCT (GDP)		100%	100%	100%	100%	100%	100%	100%	100%
AGRICULTURE, FORESTRY & FISHING	A	39%	35%	33%	34%	33%	32%	33%	33%
Food crops	AA	25%	24%	21%	23%	22%	22%	23%	24%
Export crops	AB	4%	2%	2%	2%	2%	2%	2%	2%
Livestock & livestock products	AC	4%	3%	3%	3%	3%	3%	3%	3%
Forestry	AD	6%	6%	6%	5%	5%	5%	5%	4%
Fishing	AE	0%	0%	0%	0%	0%	0%	0%	0%
INDUSTRY	B-F	12%	12%	13%	12%	13%	14%	14%	15%
Mining & quarrying	B	1%	2%	1%	1%	1%	2%	2%	2%
TOTAL MANUFACTURING	C	5%	5%	5%	5%	5%	5%	5%	5%
<i>Manufacturing of food</i>	CA	1%	1%	1%	1%	1%	1%	1%	1%
<i>Manufacturing of beverages & tobacco</i>	CB	2%	2%	2%	3%	3%	3%	3%	3%
<i>Manufacturing of textiles, clothing & leather goods</i>	CC	0%	0%	0%	0%	0%	0%	0%	0%
<i>Manufacturing of wood & paper; printing</i>	CD	1%	1%	0%	0%	0%	0%	0%	0%
<i>Manufacturing of chemicals, rubber & plastic products</i>	CE	0%	0%	0%	0%	0%	0%	0%	0%
<i>Manufacturing of non-metallic mineral products</i>	CF	0%	0%	0%	0%	0%	0%	0%	0%
<i>Manufacturing of metal products, machinery & equipment</i>	CG	0%	0%	0%	0%	0%	0%	0%	0%
<i>Furniture & other manufacturing</i>	CH	0%	0%	0%	0%	0%	0%	0%	0%
Electricity	D	0%	1%	0%	0%	0%	0%	0%	0%
Water & waste management	E	0%	1%	0%	0%	0%	0%	0%	0%
Construction	F	5%	5%	6%	6%	6%	7%	7%	7%
SERVICES	G-T	43%	47%	48%	48%	48%	47%	47%	47%
TRADE & TRANSPORT	G-H	13%	14%	16%	15%	16%	15%	16%	15%
Maintenance & repair of motor vehicles	GA	0%	0%	1%	1%	1%	1%	1%	1%
Wholesale & retail trade	GB	10%	11%	13%	12%	12%	12%	12%	12%
Transport services	H	2%	3%	3%	3%	3%	3%	3%	3%
OTHER SERVICES	I-T	30%	33%	32%	32%	33%	31%	32%	32%
Hotels & restaurants	I	3%	3%	3%	3%	3%	3%	2%	2%
Information & communication	J	2%	2%	2%	2%	3%	2%	3%	2%
Financial services	K	3%	3%	3%	2%	3%	3%	4%	4%
Real estate activities	L	6%	8%	8%	9%	8%	7%	6%	6%
Professional, scientific and technical activities	M	2%	3%	3%	3%	3%	3%	2%	2%
Administrative and support service activities	N	2%	3%	3%	3%	3%	3%	3%	3%
Public administration and defence; compulsory social security	O	3%	3%	3%	3%	3%	3%	3%	3%
Education	P	3%	3%	2%	3%	3%	3%	3%	4%
Human health and social work activities	Q	1%	1%	1%	1%	1%	1%	1%	1%
Cultural, domestic & other services	R-T	5%	5%	5%	4%	4%	4%	4%	4%
Taxes less subsidies on products		6%	6%	6%	6%	6%	7%	5%	5%

Table 2
Gross Domestic product by Kind of Activity
at constant 2011 prices
(in billion Frw)

Activity description	ISIC4	2006	2007	2008	2009	2010	2011	2012	2013
GROSS DOMESTIC PRODUCT (GDP)		2,614	2,813	3,127	3,323	3,566	3,846	4,184	4,382
AGRICULTURE, FORESTRY & FISHING	A	962	987	1,051	1,132	1,188	1,244	1,324	1,368
Food crops	AA	634	660	701	767	805	845	905	938
Export crops	AB	86	61	79	67	76	78	85	81
Livestock & livestock products	AC	104	107	109	113	118	122	129	138
Forestry	AD	159	164	171	175	180	185	191	197
Fishing	AE	12	12	13	13	13	14	14	14
INDUSTRY	B-F	341	372	428	434	471	554	601	657
Mining & quarrying	B	56	80	67	55	49	74	68	82
TOTAL MANUFACTURING	C	158	159	168	172	189	204	216	226
<i>Manufacturing of food</i>	CA	40	38	41	44	48	50	50	54
<i>Manufacturing of beverages & tobacco</i>	CB	85	84	86	90	92	99	103	107
<i>Manufacturing of textiles, clothing & leather goods</i>	CC	8	8	8	8	8	8	9	9
<i>Manufacturing of wood & paper; printing</i>	CD	11	12	13	14	15	14	16	17
<i>Manufacturing of chemicals, rubber & plastic products</i>	CE	7	7	7	7	8	9	9	9
<i>Manufacturing of non-metallic mineral products</i>	CF	7	7	7	7	7	9	10	11
<i>Manufacturing of metal products, machinery & equipment</i>	CG	4	4	5	5	7	9	11	9
<i>Furniture & other manufacturing</i>	CH	3	4	4	4	6	8	8	9
Electricity	D	6	6	8	9	10	11	13	14
Water & waste management	E	7	8	9	10	12	14	15	15
Construction	F	125	144	184	187	203	251	288	319
SERVICES	G-T	1,118	1,255	1,428	1,518	1,657	1,790	1,997	2,103
TRADE & TRANSPORT	G-H	348	399	482	508	554	592	680	719
Maintenance and repair of motor vehicles	GA	11	13	15	16	17	19	20	21
Wholesale & retail trade	GB	278	319	381	396	432	466	532	562
Transport services	H	60	70	86	94	102	107	127	136
OTHER SERVICES	I-T	776	859	944	1,008	1,102	1,198	1,317	1,384
Hotels & restaurants	I	87	89	94	89	96	100	106	109
Information & communication	J	53	61	75	82	89	93	123	123
Financial services	K	66	74	76	72	89	108	121	135
Real estate activities	L	205	227	262	283	286	286	285	287
Professional, scientific and technical activities	M	70	77	89	97	98	97	103	107
Administrative and support service activities	N	73	81	93	101	102	102	109	112
Public administration and defence; compulsory social security	O	74	78	82	88	100	115	140	153
Education	P	67	77	83	96	104	122	131	137
Human health and social work activities	Q	22	25	28	33	38	39	48	50
Cultural, domestic & other services	R-T	117	133	136	129	138	137	152	170
Taxes less subsidies on products		190	198	221	242	254	258	262	254

Tables 2A
Gross Domestic product by Kind of Activity
Growth rates at constant 2011 prices
(percentage change from previous year)

Activity description	ISIC4	2006	2007	2008	2009	2010	2011	2012	2013
GROSS DOMESTIC PRODUCT (GDP)		7.6%	11.2%	6.2%	7.3%	7.8%	8.8%	4.7%	
AGRICULTURE, FORESTRY & FISHING	A	3%	6%	8%	5%	5%	7%	3%	
Food crops	AA	4%	6%	9%	5%	5%	7%	4%	
Export crops	AB	-29%	29%	-15%	14%	3%	9%	-5%	
Livestock & livestock products	AC	3%	3%	3%	5%	3%	6%	7%	
Forestry	AD	3%	4%	2%	3%	3%	4%	3%	
Fishing	AE	3%	3%	3%	3%	3%	-2%	5%	
INDUSTRY	B-F	9%	15%	1%	8%	18%	8%	9%	
Mining & quarrying	B	43%	-16%	-18%	-11%	50%	-7%	20%	
TOTAL MANUFACTURING	C	1%	6%	3%	9%	8%	6%	5%	
<i>Manufacturing of food</i>	CA	-5%	8%	6%	9%	4%	1%	8%	
<i>Manufacturing of beverages & tobacco</i>	CB	-2%	3%	4%	2%	8%	4%	4%	
<i>Manufacturing of textiles, clothing & leather goods</i>	CC	9%	-1%	-2%	2%	-1%	8%	4%	
<i>Manufacturing of wood & paper; printing</i>	CD	18%	8%	8%	5%	-11%	15%	12%	
<i>Manufacturing of chemicals, rubber & plastic products</i>	CE	1%	3%	0%	5%	14%	2%	-3%	
<i>Manufacturing of non-metallic mineral products</i>	CF	1%	5%	-6%	11%	18%	14%	7%	
<i>Manufacturing of metal products, machinery & equipment</i>	CG	22%	11%	-5%	44%	33%	26%	-14%	
<i>Furniture & other manufacturing</i>	CH	22%	11%	-5%	44%	33%	10%	12%	
Electricity	D	5%	18%	15%	15%	15%	17%	8%	
Water & waste management	E	5%	18%	15%	15%	15%	9%	5%	
Construction	F	15%	28%	1%	9%	24%	15%	11%	
SERVICES	G-T	12%	14%	6%	9%	8%	12%	5%	
TRADE & TRANSPORT	G-H	15%	21%	5%	9%	7%	15%	6%	
Maintenance and repair of motor vehicles	GA	15%	19%	4%	9%	8%	8%	6%	
Wholesale & retail trade	GB	15%	19%	4%	9%	8%	14%	6%	
Transport services	H	15%	24%	9%	9%	4%	19%	7%	
OTHER SERVICES	I-T	11%	10%	7%	9%	9%	10%	5%	
Hotels & restaurants	I	3%	6%	-6%	8%	4%	6%	3%	
Information & communication	J	15%	23%	9%	9%	4%	33%	0%	
Financial services	K	12%	2%	-4%	24%	20%	13%	12%	
Real estate activities	L	11%	16%	8%	1%	0%	0%	1%	
Professional, scientific and technical activities	M	11%	16%	8%	1%	0%	6%	4%	
Administrative and support service activities	N	11%	16%	8%	1%	0%	7%	4%	
Public administration and defence; compulsory social security	O	6%	5%	7%	14%	15%	22%	9%	
Education	P	15%	7%	16%	9%	18%	7%	4%	
Human health and social work activities	Q	14%	12%	15%	16%	2%	23%	6%	
Cultural, domestic & other services	R-T	14%	2%	-5%	7%	-1%	11%	12%	
Taxes less subsidies on products		4%	12%	10%	5%	2%	2%	-3%	

Table 2B
Gross Domestic product by Kind of Activity
Growth rates at constant 2011 prices
(Percentage points)

Activity description	ISIC4	2006	2007	2008	2009	2010	2011	2012	2013
GROSS DOMESTIC PRODUCT (GDP)								8.8	4.7
AGRICULTURE, FORESTRY & FISHING	A							2.1	1.0
Food crops	AA							1.6	0.8
Export crops	AB							0.2	-0.1
Livestock & livestock products	AC							0.2	0.2
Forestry	AD							0.2	0.1
Fishing	AE							0.0	0.0
INDUSTRY	B-F							1.2	1.3
Mining & quarrying	B							-0.1	0.3
TOTAL MANUFACTURING	C							0.3	0.2
<i>Manufacturing of food</i>	<i>CA</i>							0.0	0.1
<i>Manufacturing of beverages & tobacco</i>	<i>CB</i>							0.1	0.1
<i>Manufacturing of textiles, clothing & leather goods</i>	<i>CC</i>							0.0	0.0
<i>Manufacturing of wood & paper; printing</i>	<i>CD</i>							0.1	0.0
<i>Manufacturing of chemicals, rubber & plastic products</i>	<i>CE</i>							0.0	0.0
<i>Manufacturing of non-metallic mineral products</i>	<i>CF</i>							0.0	0.0
<i>Manufacturing of metal products, machinery & equipment</i>	<i>CG</i>							0.1	0.0
<i>Furniture & other manufacturing</i>	<i>CH</i>							0.0	0.0
Electricity	D							0.0	0.0
Water & waste management	E							0.0	0.0
Construction	F							0.9	0.7
SERVICES	G-T							5.4	2.5
TRADE & TRANSPORT	G-H							2.3	0.9
Maintenance and repair of motor vehicles	GA							0.0	0.0
Wholesale & retail trade	GB							1.7	0.7
Transport services	H							0.5	0.2
OTHER SERVICES	I-T							3.1	1.6
Hotels & restaurants	I							0.1	0.1
Information & communication	J							0.8	0.0
Financial services	K							0.4	0.3
Real estate activities	L							0.0	0.0
Professional, scientific and technical activities	M							0.2	0.1
Administrative and support service activities	N							0.2	0.1
Public administration and defence; compulsory social security	O							0.7	0.3
Education	P							0.2	0.1
Human health and social work activities	Q							0.2	0.1
Cultural, domestic & other services	R-T							0.4	0.4
Taxes less subsidies on products								0.1	-0.2

Table 3
Gross Domestic product by Kind of Activity
Deflators
(2011=100)

Activity description	ISIC4	2006	2007	2008	2009	2010	2011	2012	2013
GROSS DOMESTIC PRODUCT (GDP)		66	73	84	91	93	100	107	112
AGRICULTURE, FORESTRY & FISHING	A	70	73	82	90	91	100	112	119
Food crops	AA	67	74	79	90	89	100	113	124
Export crops	AB	77	78	81	92	98	100	118	98
Livestock & livestock products	AC	62	64	79	92	92	100	106	110
Forestry	AD	69	69	87	91	94	100	107	108
Fishing	AE	49	54	68	78	86	100	117	129
INDUSTRY	B-F	58	69	77	86	91	100	106	110
Mining & quarrying	B	29	39	55	43	67	100	102	109
TOTAL MANUFACTURING	C	58	63	77	92	96	100	108	112
<i>Manufacturing of food</i>	CA	54	57	71	83	88	100	109	108
<i>Manufacturing of beverages & tobacco</i>	CB	49	55	71	93	99	100	112	119
<i>Manufacturing of textiles, clothing & leather goods</i>	CC	65	66	77	77	82	100	100	100
<i>Manufacturing of wood & paper; printing</i>	CD	80	81	82	81	93	100	100	100
<i>Manufacturing of chemicals, rubber & plastic products</i>	CE	73	77	89	88	93	100	109	116
<i>Manufacturing of non-metallic mineral products</i>	CF	64	69	79	92	98	100	102	104
<i>Manufacturing of metal products, machinery & equipment</i>	CG	73	75	90	98	97	100	102	102
<i>Furniture & other manufacturing</i>	CH	73	75	90	98	97	100	102	102
Electricity	D	74	167	95	97	99	100	109	118
Water & waste management	E	74	167	95	97	99	100	100	100
Construction	F	64	71	82	91	95	100	106	110
SERVICES	G-T	66	77	89	95	97	100	106	111
TRADE & TRANSPORT	G-H	65	71	86	90	94	100	104	105
Maintenance and repair of motor vehicles	GA	64	70	87	91	95	100	104	107
Wholesale & retail trade	GB	64	70	87	91	95	100	104	105
Transport services	H	69	75	83	87	93	100	105	108
OTHER SERVICES	I-T	67	79	90	97	98	100	107	113
Hotels & restaurants	I	62	73	83	93	97	100	100	101
Information & communication	J	70	77	84	89	94	100	95	94
Financial services	K	77	82	90	93	96	100	150	160
Real estate activities	L	50	68	82	92	95	100	99	98
Professional, scientific and technical activities	M	50	68	82	92	95	100	106	111
Administrative and support service activities	N	50	68	82	92	95	100	106	111
Public administration and defence; compulsory social security	O	72	77	85	92	95	100	104	108
Education	P	64	70	77	85	94	100	115	147
Human health and social work activities	Q	73	83	91	97	99	100	103	112
Cultural, domestic & other services	R-T	76	78	86	92	94	100	103	107
Taxes less subsidies on products		53	63	76	78	82	100	90	94