



THE UNITED REPUBLIC OF TANZANIA

**THE REVISED NATIONAL ACCOUNTS STATISTICS
FOR TANZANIA MAINLAND,
BASE YEAR 2015**

SUMMARY REPORT



**NATIONAL BUREAU OF STATISTICS
MINISTRY OF FINANCE AND PLANNING**

**Dodoma
February 2019**

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REVISED NATIONAL ACCOUNTS STATISTICS FOR TANZANIA MAINLAND, BASE YEAR 2015

1.0 INTRODUCTION

1.1 Background

The history of national accounts compilation in Tanzania Mainland dates back to the year 1954. Since then, improvements in the coverage and use of international guidelines have been implemented. The previous series of national accounts statistics main aggregates based on the concepts, definitions and classification prescribed in the United Nations System of National Accounts (UN - SNA) of 1953, 1968 and 1993.

Six rounds of revisions have been done since the first compilation of national accounts statistics in 1954. The first revision of national accounts statistics in Tanzania was done for the year 1966 based on the 1953 SNA. The second revision was done for the year 1976 based on the 1968 SNA. The third revision was for the year 1992 with estimates based on the 1968 and partly on 1993 SNAs. The fourth revision was for the year 2001 based on the 1993 SNA. The fifth revision was for the year 2007 based on the 1993 and 2008 SNA while the sixth revision is for the year 2015 based on the 2008 SNA.

The revision of national accounts statistics of Tanzania Mainland for the year 2015 used the Supply and Use Tables (SUTs). The revision started in September 2017, involving national accounts staff with technical support from national accounts consultant and IMF experts.

The 2015 revision aimed at enhancing the quality of national accounts statistics to better portray the performance of economic activities in the country and ensure international comparability in accordance with the United Nations System of National Accounts 2008.

1.2 Rationale for Benchmark and Revision of National Accounts

The benchmark estimates are for the reference year in which constant prices are referred to, for example, Gross Domestic Product (GDP) at constant 2015 prices, the year 2015 is referred as the benchmark year. Rebasings of national accounts series is the process of replacing an old base year used to compile GDP estimates with a new and more recent base year. The base year provides the reference point to which backward and forward GDP are compiled and compared.

The benchmark and revision of the national accounts statistics for Tanzania Mainland has been done for the following reasons:



- i. The 2007 benchmark is out of date and do not reflect the structural changes that have been occurring in the economy in the recent past;
- ii. To integrate the changes that have happened in the patterns of production, consumption and investment in the economy;
- iii. To update relative price changes of various products over the period;
- iv. To update the list of products, as continuous developments and innovations lead to new products to appear in the market while obsolescence causes old products to disappear from the market;
- v. To incorporate current data available from administrative records, censuses and surveys; and
- vi. To comply with the 2008 System of National Accounts and other United Nations' revised classifications.

1.3 Sources of Data Used for the Revision of National Accounts Statistics

During the rebasing exercise, initiatives undertaken to expand the coverage of economic activities, included consideration of current data sources, administrative records, census and surveys complimented by special studies for selected economic activities.

The data used in the revision of the 2015 National Accounts Statistics for Tanzania Mainland included:

- Surveys and Census: Household Budget Survey 2011/12, The Integrated Labour Force Survey 2014, Agriculture Sample Census 2007/08, Annual Agriculture Sample Survey 2014/15, Census of Industrial Production 2013 and Annual Surveys for Industrial Production 2015;
- Other sources are administrative data on imports and exports of goods and services, Government Finance Statistics and VAT Statistics; and
- Special Studies: Trade Margin Study 2015 and Non-Profit Institutions Servings Households 2015.

1.4 The Approach Used in the 2015 Revision

The revision of national accounts statistics 2015 used the Supply and Use Tables (SUTs) framework to provide a systematic and consistent frame for the estimation of the Gross Domestic Product (GDP) by production, expenditure and income accounts for the base year.

1.5 Access of the Revised National Accounts Statistics

This publication is a summary of the detailed document on the Revised National Accounts Statistics of Tanzania Mainland 2015 named National Accounts Statistics: Sources and Methods available at the National Bureau of Statistics Head Office Library at TAKWIMU HOUSE, Jakaya Kikwete Road, Dodoma or visit the websites at www.nbs.go.tz or www.tanzania.go.tz.

2.0 THE REVISED NATIONAL ACCOUNTS STATISTICS

The benchmarking and rebasing exercise was done in cognizant to internationally recognized methodologies, procedures and recommendations. The main improvements in the revised National Accounts Statistics base year 2015 include:



- i. Data sources: Compilation of the new GDP series has utilized broader coverage of data from most recent household-based surveys such as Household Budget Survey 2011/2012, Integrated Labour Force Survey 2014, Agricultural Sample Census 2007/08, The Study on Non-profit Institutions Serving Households 2015, Census of Industrial Production 2013, National Panel Survey 2014, Study on Trade Margins 2015, Employment and Earnings Survey 2015 and administrative data;
- ii. Methodology: Compilation of the revised GDP series has used the Supply and Use Tables (SUTs) in the benchmark year. The value added for each economic activity was derived as the residual between gross output and intermediate consumption. Compilation of Public Administration and defence, Public Education and Health used cost approach. Financial Intermediation Services Indirectly Measured (FISIM) was allocated across economic activities;
- iii. Coverage: The revised GDP series compilation included part of output of informal Sector; and
- iv. International Compliance: The compilation of new GDP series based on the SNA 2008 and International Standard Industrial Classification of all economic activities Revision 4 (ISIC Rev. 4).

3.0 USES OF NATIONAL ACCOUNTS STATISTICS

National Accounts statistics are compiled to meet the needs of the Government, private sector and general public. The major uses include:

- a) Assess country's economic growth over time;
- b) Planning and decision making;
- c) Asses the share of activities and growth over time;
- d) Preparation of Government budget;
- e) Provides information for comparison among nations;
- f) Used to determine structural changes happening in the economy;
- g) Basis for currency in circulation, and
- h) One of determinants of debt sustainability of a country.

4.0 HIGHLIGHTS ON THE REVISED GROSS DOMESTIC PRODUCT

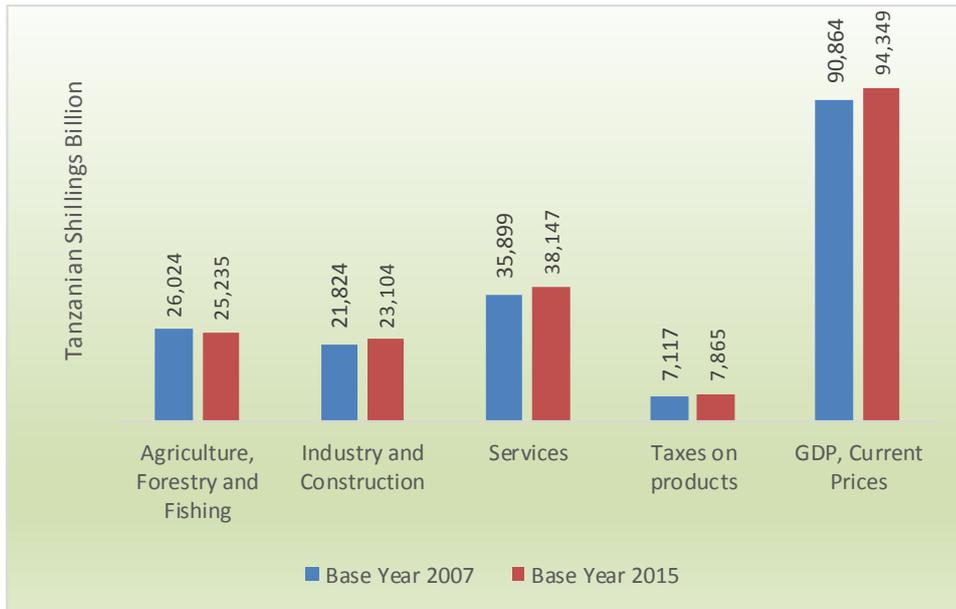
4.1 Benchmark Highlights

The highlight presents the summary of national accounts base year 2015. Moreover, the findings facilitate comparison and establish changes happened in the economy in national accounts statistics base year 2007.

The highlight of the revised GDP anchored on the comparability of the 2007 and 2015 GDP series. GDP at current prices for 2015 in base year 2015 was Tanzanian Shillings 94.3 trillion while GDP at current prices for the year 2015 in base year 2007 was Tanzanian Shillings 90.8 trillion (**See Chart 1**).



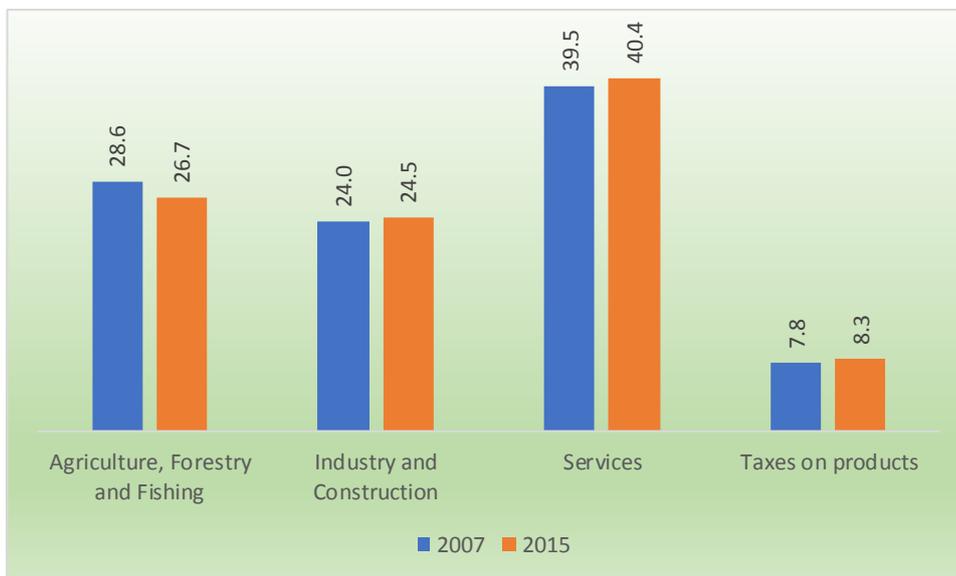
Chart No. 1: Broad Economic Activities Value Added for 2015, Base year 2007 and 2015



4.2 Share to Gross Domestic Product

The share of Agriculture, Forestry and Fishing to GDP for the year 2015 decreased to 26.7 percent in the 2015 base year compared to 28.6 percent in the 2007 base year. However, the share of Industry and Construction; and Services increased to 24.5 percent and 40.4 percent base year compared to 24.0 percent and 39.5 percent, respectively (**Chart 2**). Services remained the major contributor to the economy.

Chart 2: Share to GDP for 2015 by Broad Economic Activities; Base year 2007 and 2015



4.3 Growth Rates and Contribution to Growth

The GDP growth rates at constant 2015 prices from 2013 to 2017 indicate the highest growth of 6.9 percent in 2016 while the lowest growth of 6.2 percent was in 2015 (**Chart 3**). The main contributor to GDP growth of 6.8 percent in 2017 was Industry and Construction (40.3 percent) followed by Services (31.3 Percent) and Agriculture, Forestry and Fishing (23.0 percent) (**Table 1**).

Chart 3: Percentage Growth rates at Constant 2015 Prices

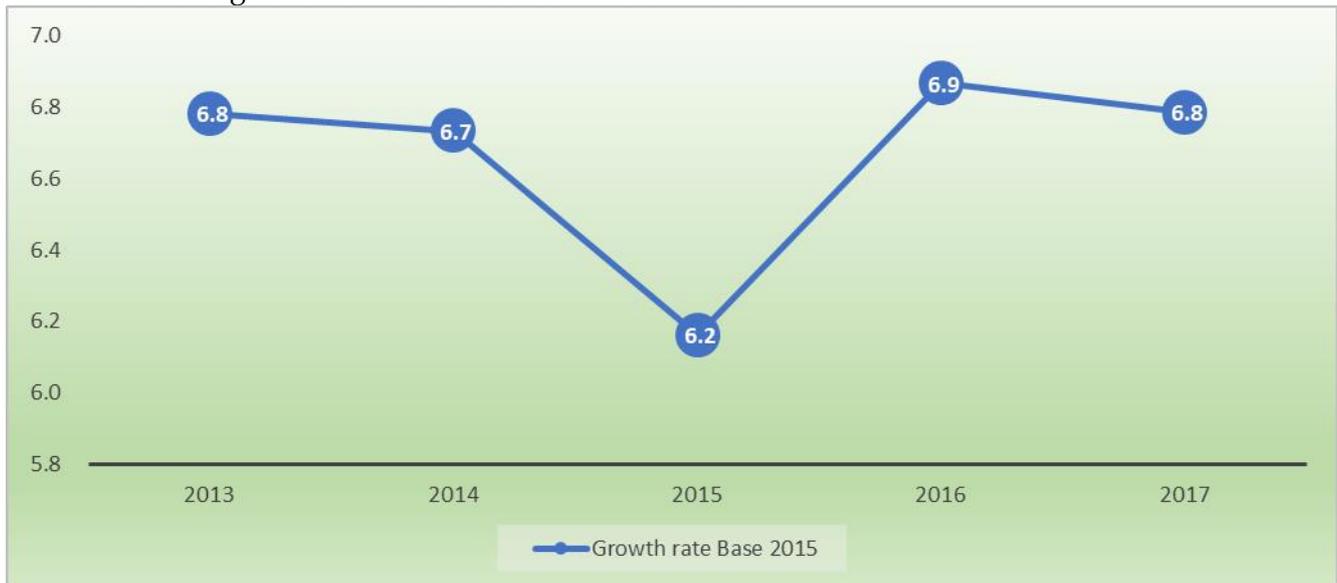


Table 1. Contribution to GDP Growth for year 2017

Broad Economic Activities	Base Year 2015
Agriculture, Forestry and Fishing	23.0
Industry and Construction	40.3
Services	31.3
Taxes less subsidies	5.4

4.4 Per Capita Gross Domestic Product

Per Capita GDP measures the share of GDP each person would get if equally distributed among all residents in an economic territory. Per Capita GDP is derived by dividing GDP over population. Per Capita GDP in the revised series depicts increasing trend from Tanzania Shillings 1,621,445 in 2013 to Tanzania Shillings 2,329,347 in 2017.

Table 2: Per Capita GDP at 2015 Base year in TSh.

	2013	2014	2015	2016	2017
Per capita GDP base 2015 - TZS	1,621,445	1,778,840	1,968,965	2,191,190	2,329,347

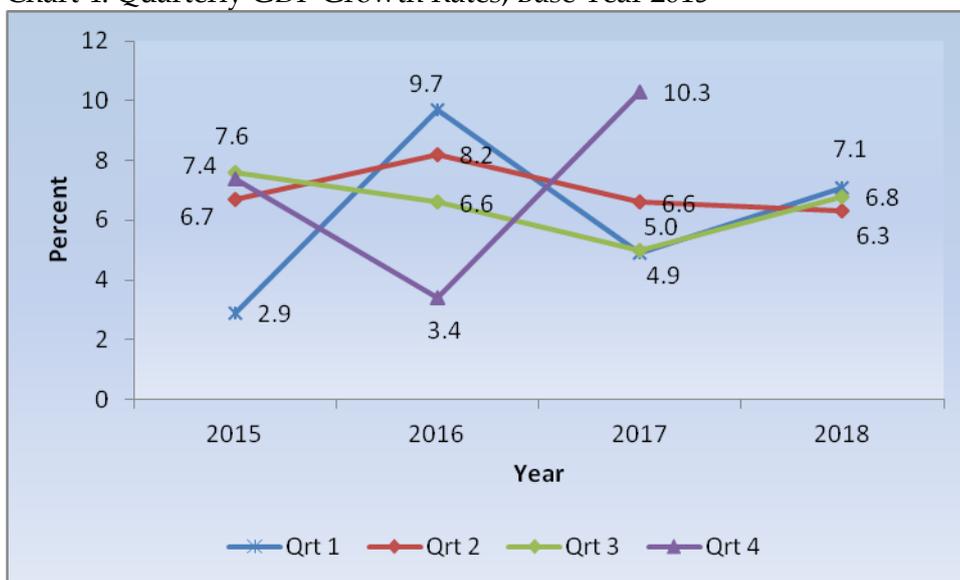
4.5 Quarterly GDP Growth Rates

Quarterly Gross Domestic Product (GDP) measures the value of goods and services produced in the economic territory in short intervals of three months. The quarters are based on the calendar year namely First Quarter (January - March), Second Quarter (April - June), Third Quarter (July - September) and Fourth Quarter (October - December).

The subsequent quarterly releases normally differ from the previous releases due to either internationally best practice of changing the base year done after every five years or the reconciliation of the high frequency quarterly data that track short-term dynamics in the economy with more accurate and detailed annual data. This is a common procedural normally National Statistics Offices used to compile GDP figures in quarterly and annually.

The revised quarterly GDP base year 2015 reveals that, in 2018 the highest growth rate of 7.1 percent was achieved in the first quarter while the lowest growth rate of 6.3 percent was observed in the second quarter. The quarterly average for three quarters (January - September) 2018 was 6.7 percent (Chart 4). Performance of the fourth quarter, 2018 will be presented in the fourth quarter release expected by end of March 2019. The released guidelines are available in the IMF compilation of National Accounts Statistics Manuals for further clarification.

Chart 4: Quarterly GDP Growth Rates, Base Year 2015



6.0 ANNEXES

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Annex 1: Share of GDP for 2015 by Economic Activity at Current Prices

Economic Activity	Share of 2015 GDP	
	Base year 2007 (%)	Base year 2015 (%)
Agriculture, forestry and fishing	26.8	26.7
Crops	13.5	14.1
Livestock	9.4	7.6
Forestry	2.4	3.1
Fishing	1.6	2.0
Industry & Construction	20.2	24.5
Mining and quarrying	3.5	4.3
Manufacturing	7	7.9
Electricity supply	0.9	0.8
Water supply; sewerage, waste management	0.9	0.4
Construction	7.9	11.1
Services	47.4	40.4
Wholesale and retail trade; repairs	9.9	9.3
Transport and storage	5.9	7.3
Accommodation and Food Services	1.8	1.5
Information and communication	2.3	1.8
Financial and insurance activities	2.8	4.4
Real estate	6	3.1
Professional, scientific and technical	1.2	0.5
Administrative and support service	3.0	2.3
Public administration and defence	8.1	4.8
Education	3.2	2.6
Human health and social work activities	1.6	1.5
Arts, entertainment and recreation	0.3	0.3
Other service activities	1.0	0.8
Activities of households as employers;	0.3	0.2
FISIM	-1.2	0.0
All economic activities	93.2	91.7
Taxes on products	6.8	8.3
GDP at market prices	100	100

Annex 2: Gross Domestic Product by Economic Activity at Current Prices

Billion Shillings

ECONOMIC ACTIVITY	2012	2013	2014	2015	2016	2017
<i>Agriculture, forestry and fishing</i>	16,546	19,551	21,314	25,235	29,739	34,158
Crops	8,797	10,501	11,562	13,279	16,475	19,707
Livestock	4,633	5,579	5,585	7,158	8,205	8,858
Forestry	1,737	2,069	2,478	2,920	3,095	3,310
Fishing	1,353	1,376	1,659	1,843	1,930	2,246
Agriculture support services	25	26	30	33	35	38
<i>Industry and Construction</i>	15,829	18,570	20,768	23,104	26,937	29,829
Mining and quarrying	3,072	3,125	3,098	4,056	5,299	5,206
Manufacturing	5,882	6,649	7,534	7,412	8,467	9,102
Electricity supply	523	550	819	799	473	497
Water supply; sewerage, waste management	279	324	372	391	433	530
Construction	6,073	7,922	8,946	10,447	12,265	14,494
<i>Services</i>	25,309	29,385	34,112	38,147	42,747	45,069
Wholesale and retail trade; repairs	6,448	7,064	8,046	8,748	9,862	10,843
Transport and storage	3,748	5,246	6,167	6,930	7,549	7,898
Accommodation and Food Services	1,254	1,317	1,330	1,422	1,523	1,605
Information and communication	1,282	1,433	1,599	1,681	1,740	1,829
Financial and insurance activities	2,562	2,541	3,615	4,189	5,269	4,790
Real estate	2,308	2,551	2,721	2,950	3,162	3,334
Professional, scientific and technical activities	283	353	434	518	618	727
Administrative and support service activities	1,243	1,523	1,914	2,184	2,662	3,027
Public administration and defence	2,882	3,615	3,974	4,549	4,846	4,986
Education	1,499	1,728	2,027	2,413	2,673	2,864
Human health and social work activities	1,011	1,114	1,233	1,419	1,540	1,681
Arts, entertainment and recreation	174	195	223	249	286	322
Other service activities	474	556	662	718	831	959
Activities of households as employers;	139	148	166	178	186	202
All economic activities	57,683	67,506	76,193	86,485	99,424	109,056
Taxes on products	4,635	5,471	6,410	7,865	8,939	9,788
GDP at market prices	62,319	72,977	82,603	94,349	108,362	118,844

Annex 3: Shares to Gross Domestic Product by Economic Activity at Current Prices

ECONOMIC ACTIVITY	Percentage					
	2012	2013	2014	2015	2016	2017
<i>Agriculture, forestry and fishing</i>	26.6	26.8	25.8	26.7	27.4	28.7
Crops	14.12	14.39	14	14.07	15.2	16.58
Livestock	7.43	7.65	6.76	7.59	7.57	7.45
Forestry	2.79	2.84	3	3.1	2.86	2.79
Fishing	2.17	1.89	2.01	1.95	1.78	1.89
Agriculture support services	0.04	0.04	0.04	0.03	0.03	0.03
<i>Industry and Construction</i>	25.4	25.45	25.14	24.49	24.86	25.1
Mining and quarrying	4.93	4.28	3.75	4.3	4.89	4.38
Manufacturing	9.44	9.11	9.12	7.86	7.81	7.66
Electricity supply	0.84	0.75	0.99	0.85	0.44	0.42
Water supply; sewerage, waste management	0.45	0.44	0.45	0.41	0.4	0.45
Construction	9.75	10.85	10.83	11.07	11.32	12.2
<i>Services</i>	40.61	40.27	41.3	40.43	39.45	37.92
Wholesale and retail trade; repairs	10.35	9.68	9.74	9.27	9.1	9.12
Transport and storage	6.01	7.19	7.47	7.34	6.97	6.65
Accommodation and Food Services	2.01	1.8	1.61	1.51	1.41	1.35
Information and communication	2.06	1.96	1.94	1.78	1.61	1.54
Financial and insurance activities	4.11	3.48	4.38	4.44	4.86	4.03
Real estate	3.7	3.5	3.29	3.13	2.92	2.81
Professional, scientific and technical activities	0.45	0.48	0.53	0.55	0.57	0.61
Administrative and support service activities	2	2.09	2.32	2.31	2.46	2.55
Public administration and defence	4.62	4.95	4.81	4.82	4.47	4.2
Education	2.41	2.37	2.45	2.56	2.47	2.41
Human health and social work activities	1.62	1.53	1.49	1.5	1.42	1.41
Arts, entertainment and recreation	0.28	0.27	0.27	0.26	0.26	0.27
Other service activities	0.76	0.76	0.8	0.76	0.77	0.81
Activities of households as employers;	0.22	0.2	0.2	0.19	0.17	0.17
All economic activities	92.56	92.5	92.24	91.66	91.75	91.76
Taxes on products	7.44	7.5	7.76	8.34	8.25	8.24
GDP at market prices	100	100	100	100	100	100

Annex 4: Gross Domestic Product by Economic Activity at Constant 2015 Prices

Billion Shillings

ECONOMIC ACTIVITY	2012	2013	2014	2015	2016	2017
<i>Agriculture, forestry and fishing</i>	21,807	22,408	23,952	25,235	26,436	28,012
Crops	10,807	11,283	12,344	13,279	13,996	14,899
Livestock	6,205	6,503	6,821	7,158	7,507	7,877
Forestry	2,579	2,696	2,825	2,920	3,035	3,180
Fishing	2,188	1,896	1,930	1,843	1,865	2,020
Agriculture support services	29	30	31	33	34	36
<i>Industry and Construction</i>	17,987	19,872	21,057	23,104	25,818	28,574
Mining and quarrying	3,315	3,465	3,687	4,056	4,357	4,589
Manufacturing	6,067	6,293	6,920	7,412	8,213	8,890
Electricity supply	669	724	815	799	869	878
Water supply; sewerage, waste management	358	368	382	391	418	453
Construction	7,578	9,023	9,253	10,447	11,961	13,765
<i>Services</i>	31,224	32,809	35,864	38,147	40,550	42,691
Wholesale and retail trade; repairs	7,371	7,682	8,444	8,748	9,261	9,821
Transport and storage	5,710	6,051	6,578	6,930	7,325	7,816
Accommodation and Food Services	1,344	1,356	1,398	1,422	1,480	1,528
Information and communication	1,267	1,414	1,560	1,681	1,719	1,824
Financial and insurance activities	3,444	3,406	3,764	4,189	4,236	4,115
Real estate	2,606	2,715	2,829	2,950	3,077	3,212
Professional, scientific and technical activities	322	385	448	518	606	694
Administrative and support service activities	1,417	1,661	1,976	2,184	2,611	2,892
Public administration and defence	3,623	3,974	4,242	4,549	4,794	4,907
Education	1,923	1,928	2,186	2,413	2,665	2,859
Human health and social work activities	1,285	1,245	1,350	1,419	1,498	1,612
Arts, entertainment and recreation	198	213	231	249	280	308
Other service activities	550	612	685	718	815	912
Activities of households as employers;	162	167	172	178	183	189
All economic activities	71,018	75,089	80,873	86,485	92,804	99,278
Taxes on products	6,962	8,179	8,001	7,865	8,025	8,393
GDP at market prices	77,980	83,268	88,874	94,349	100,828	107,670

Annex 5: Annual Growth Rates of Gross Domestic Product by Economic Activity

ECONOMIC ACTIVITY	Percentage				
	2013	2014	2015	2016	2017
<i>Agriculture, forestry and fishing</i>	2.8	6.9	5.4	4.8	6.0
Crops	4.4	9.4	7.6	5.4	6.4
Livestock	4.8	4.9	4.9	4.9	4.9
Forestry	4.5	4.8	3.4	3.9	4.8
Fishing	-13.3	1.8	-4.5	1.2	8.3
Agriculture support services	2.5	6.1	4.5	4	5.5
<i>Industry and Construction</i>	10.5	6	9.7	11.7	10.7
Mining and quarrying	4.5	6.4	10	7.4	5.3
Manufacturing	3.7	10	7.1	10.8	8.2
Electricity supply	8.2	12.7	-2	8.8	1
Water supply; sewerage, waste management	2.7	3.8	2.4	6.9	8.5
Construction	19.1	2.5	12.9	14.5	15.1
<i>Services</i>	5.1	9.3	6.4	6.3	5.3
Wholesale and retail trade; repairs	4.2	9.9	3.6	5.9	6.1
Transport and storage	6	8.7	5.4	5.7	6.7
Accommodation and Food Services	0.9	3.1	1.7	4.1	3.2
Information and communication	11.6	10.3	7.8	2.2	6.2
Financial and insurance activities	-1.1	10.5	11.3	1.1	-2.8
Real estate	4.2	4.2	4.3	4.3	4.4
Professional, scientific and technical activities	19.5	16.3	15.7	17	14.5
Administrative and support service activities	17.2	19	10.5	19.6	10.8
Public administration and defence	9.7	6.7	7.2	5.4	2.4
Education	0.3	13.4	10.4	10.4	7.3
Human health and social work activities	-3.1	8.4	5.1	5.6	7.6
Arts, entertainment and recreation	7.1	8.5	7.7	12.7	9.9
Other service activities	11.3	12	4.7	13.5	12
Activities of households as employers;	3.2	3.2	3.2	3.2	3.2
All economic activities	5.7	7.7	6.9	7.3	7
Taxes on products	17.5	-2.2	-1.7	2	4.6
GDP at market prices	6.8	6.7	6.2	6.9	6.8

Annex 6: Gross Domestic Product by Type of Expenditure at Constant 2015 Prices

Billion Shillings						
TYPE OF EXPENDITURE	2012	2013	2014	2015	2016	2017
Final Consumption	59,307	61,882	65,251	69,620	70,595	73,614
Government final consumption	7,770	8,059	8,548	9,366	9,667	9,772
Household final consumption	51,371	53,642	56,501	60,047	60,698	63,589
Non-Profit Institutions Serving Households	166	181	201	206	230	253
Capital Formation	23,425	29,019	31,804	30,908	33,795	38,338
Gross fixed capital formation	22,298	26,190	28,082	30,070	34,878	40,377
Changes in valuables	770	776	821	903	902	859
Changes in inventories	356	2,053	2,901	-66	-1,986	-2,897
Exports of goods and services	15,183	14,675	15,924	16,138	16,138	15,481
Export of goods	9,657	8,407	8,815	8,709	8,061	7,806
Export of services	5,526	6,268	7,108	7,430	8,077	7,675
Imports of goods and services	20,548	22,796	23,546	22,316	20,331	18,879
Import of goods	15,864	17,946	18,355	16,955	15,631	15,311
Import of services	4,684	4,850	5,191	5,361	4,700	3,568
Errors and Omissions	613	489	-558	0	632	-883
GDP at market prices	77,980	83,268	88,874	94,349	100,828	107,670

Annex 7: Gross Domestic Product by Type of Expenditure at Current Prices

Billion Shillings						
TYPE OF EXPENDITURE	2012	2013	2014	2015	2016	2017
Final Consumption	48,841	56,171	62,298	69,620	74,762	81,593
Government final consumption	6,498	7,331	8,151	9,366	9,825	10,097
Household final consumption	42,196	48,675	53,954	60,047	64,700	71,227
Non-Profit Institutions Serving Households	147	166	192	206	238	268
Capital Formation	21,715	27,345	31,103	30,908	34,865	40,427
Gross fixed capital formation	20,543	24,781	27,400	30,070	35,493	42,142
Changes in valuables	806	767	756	903	1,105	1,006
Changes in inventories	365	1,797	2,947	-66	-1,733	-2,721
Exports of goods and services	13,942	13,875	14,926	16,138	17,717	17,993
Export of goods	9,256	8,403	8,441	8,709	9,177	8,925
Export of services	4,686	5,471	6,484	7,430	8,540	9,069
Imports of goods and services	19,940	21,615	22,540	22,316	20,665	20,321
Import of goods	16,227	17,628	18,054	16,955	15,603	15,816
Import of services	3,713	3,986	4,486	5,361	5,063	4,504
Errors and Omissions	-2,239	-2,799	-3,184	-	1,683	-849
GDP at market prices	62,319	72,977	82,603	94,349	108,362	118,844

Annex 8: Gross Capital Formation at Constant 2015 Prices**Billion Shillings**

Gross fixed capital formation by type of asset	2012	2013	2014	2015	2016	2017
Building and structures	14,856	19,218	19,485	22,808	27,513	32,837
Transport equipment	1,337	1,219	2,045	1,663	1,374	1,173
Machinery and equipment	4,280	3,714	4,229	3,194	3,269	3,474
Other Machinery and equipments	991	1,062	1,200	1,172	1,324	1,336
Animal resources yielding repeat products	290	333	365	375	385	414
Intellectual property products/ R&D/ professional serv	544	645	758	857	1,014	1,143
Total	22,298	26,190	28,082	30,070	34,878	40,377

Annex 9: Gross Capital Formation at Current Prices**Billion Shillings**

Gross fixed capital formation by type of asset	2012	2013	2014	2015	2016	2017
Building and structures	13,308	17,909	19,195	22,808	27,722	33,872
Transport equipment	1,429	1,395	1,829	1,663	1,515	1,414
Machinery and equipment	4,199	3,599	4,154	3,194	3,430	3,757
Other Machinery and equipments	876	988	1,157	1,172	1,367	1,441
Animal resources yielding repeat products	254	298	331	375	425	462
Intellectual property products/ R&D/ professional serv	478	592	734	857	1,034	1,197
Total	20,543	24,781	27,400	30,070	35,493	42,142