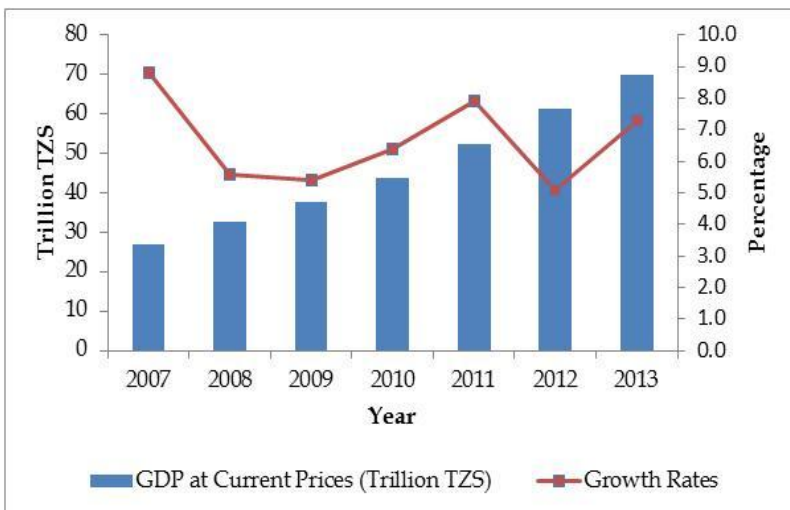




THE UNITED REPUBLIC OF TANZANIA

**REVISED NATIONAL ACCOUNTS
ESTIMATES FOR TANZANIA MAINLAND
Base Year, 2007**



**NATIONAL BUREAU OF STATISTICS
MINISTRY OF FINANCE**

**Dar es Salaam
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Acronyms and abbreviations

c.i.f.	Cost Insurance Freight
FISIM	Financial Intermediation Services Indirectly Measured
GDP	Gross Domestic Product
GFS	Government Financial Statistics
HBS	Household Budget Survey
IC	Intermediate Consumption
IMF	International Monetary Fund
NA	National Accounts
NBS	National Bureau of Statistics
NGOs	Non Governmental Organizations
R&D	Research and Development
RNAE07	Revised National Accounts Estimates 2007
SNA	System of National Accounts
SUT	Supply and Use Table
TPDC	Tanzania Petroleum Development Corporation
TRA	Tanzania Revenue Authority
UK	United Kingdom
UN	United Nations
VAT	Value Added Tax

Preface

The Tanzania Mainland Revised National Accounts Estimates -Base Year, 2007 (RNAE07) is the fifth in a series of similar reports, the previous ones being for the years 1966, 1976, 1992 and 2001. This report presents major findings of the revision. Like in the previous reports, RNAE07 has gathered and analysed valuable information from the most recent censuses, surveys as well as from administrative records. This marks yet another milestone in the progressive improvement of National Accounts Statistics estimates.

The aims of the revision of national accounts estimates were to enhance quality of national accounts of Tanzania Mainland to better portray the economic activities in the country. Also, to facilitate the comparability of Tanzania National Accounts Estimates with the rest of the World through adopting similar compilation methodologies provided for in the United Nations System of National Accounts (1993 SNA and 2008 SNA).

The intensive work of the revision of GDP for the base year 2007 were made possible by a joint effort of a number of Institutions and individuals under the overall supervision of the Director of Economic Statistics, National Bureau of Statistics Mr. Morrice N. Oyuke and the National Accounts Department Manager, Mr. Daniel Masolwa.

The experts were Adella Ndesangia, Elide Mwanri, Fred Matola, Jovitha Rugemalila, Gabriel Simbila, Edith Sulla, Rustis Bernard, Nacky Sinda and Gregory Millinga.

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I recognize the great contribution of various organizations both public and private which provided basic data and information.

Last but not least, views and comments are welcome from users for improvement of this and future publications.

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REVISED NATIONAL ACCOUNTS ESTIMATES FOR TANZANIA MAINLAND, BASE YEAR 2007

1.0 INTRODUCTION

National accounts statistics gives consolidated estimates of Gross Domestic Product (GDP) and other aligned aggregates. Overtime, the national accounts estimates are revised to pick up changes in the economy due to social, technological and economic developments.

The revision of National Accounts Statistics aimed at enhancing the quality of national accounts estimates to better portray the economic activities in the country and ensure international comparability in accordance with the United Nations System of National Accounts (SNA) 1993 and 2008.

The first Revision of National Accounts 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 2007 revision is based on 1993 SNA and to a larger extent 2008 SNA.



1.1 The Rationale of Revision

National Accounts Statistics provide consolidated estimates of Gross Domestic Product and other allied aggregates in the country for a particular period of time. National Accounts statistics are compiled to meet the needs of the Government, International Organisations and Private Sector. The major use of such statistics is to assess how the country's economy is growing over time.

Revision of Gross Domestic Product (GDP) estimates is the process of changing an old base year GDP estimates with a revised and more recent base year GDP estimates. Revision is about measuring GDP more accurately and timely. The base year provides the reference point to which future value of GDP are computed and compared.

The revision of national accounts estimates for Tanzania Mainland has been mainly done for the following reasons:

- (i) The 2001 benchmark is out of date and does not reflect the structural changes that have occurred in the economy;
- (ii) Integrate changes that have taken place especially in the patterns of production, consumption and investment in the economy;
- (iii) As the base year becomes remote relative prices of various products which have taken place over the period become irrelevant;
- (iv) Integrate products in the economy, 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) Incorporate new data available from households based surveys and establishment based surveys; and



- (vi) Accommodate in the compilation of National Accounts Statistics in Tanzania revised requirements in accordance with the 1993 and 2008 SNAs. The methodological guidelines changes need to be accommodated accordingly.

1.3 Data Used in the Revision

The data used in the revision of the 2007 National Accounts estimates for Tanzania Mainland include:

- Surveys and Censuses: Population and Housing Census 2012, Household Budget Survey 2007, Integrated Labour Force Survey 2006, Agriculture Sample Census 2007/08, Annual Surveys of Industrial Production 2007 and Foreign Direct Investment Surveys 2007; and
- Other sources include administrative data on imports and exports of goods and services, Government Finance Statistics and VAT turnover.

2.0 METHODOLOGY AND CLASSIFICATIONS

The main improvements in the revision of National Accounts Estimates include:

- (i) **Methodology:** Supply and Use Table (SUT) framework was used in the compilation of the GDP estimates in the new series where value added for each economic activity is the residual between gross output and intermediate consumption; and
- (ii) **Structure Adopted:** The Classification of activities in the new GDP series has based on the International Standard Industrial Classification Revision 4 (ISIC Rev. 4) while the old GDP series based on the ISIC Rev. 3.1. ISIC revision 4 identifies three major industries which are primary, secondary and tertiary activities, while ISIC Rev.3 identified three major industry activities as Agriculture and Fishing, Industry and Construction and Services.

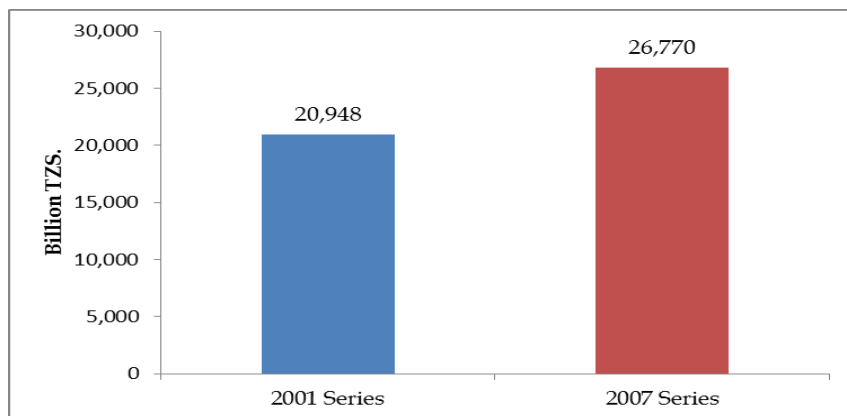
3.0 HIGHLIGHTS ON THE REVISED GDP SERIES

3.1 Level Change between New and Old Series

The analysis of the new GDP estimates is based on the comparability of the 2001 (old) and the 2007 (new) GDP series. However, the main difference between the old and the new GDP series are in regard to the methodology and classification adopted;

The GDP for 2007 at current prices in the new series is TZS. 26,770,432 million while the 2007 GDP in the old series was TZS. 20,948,403 million. The difference is TZS. 5,822,027 million equivalent to an increase of 27.8 percent (*Chart No. 1*).

Chart 1: GDP in Billion TZS. for 2007 at Current Prices in the Old and New Series



Gross Value Added for 2007 at basic prices for economic activities in the new and old series is also compared. The findings show that, the highest level change is observed in other social and personal services with a change by 232.1 percent, while electricity and gas registered the lowest level change by -30.7 (*Table No. 1*)

Table 1: Gross Value Added (Million Tshs.) for the Benchmark Year, 2007

Economic Activity	Old GDP Estimates	New GDP Estimates	Level Change
Agriculture, Hunting and Forestry	5,413,257	6,756,585	24.8
Fishing	277,189	424,772	53.2
Mining and Quarrying	742,932	935,412	25.9
Manufacturing	1,625,504	1,908,283	17.4
Electricity and Gas	335,898	232,622	-30.7
Water	84,982	208,528	145.4
Construction	1,641,741	2,117,074	29.0
Trade and Repair	2,416,506	2,740,461	13.4
Hotel and Restaurant	559,722	481,997	-13.9
Transport	886,844	1,600,183	80.4
Communication	487,132	481,416	-1.2
Financial Intermediation	345,000	756,075	119.2
Real Estate and Business Service	1,982,107	2,737,640	38.1
Public Administration	1,652,556	2,249,818	36.1
Education	289,617	851,208	193.9
Health	327,658	438,415	33.8
Other Social and Personal Services	129,482	430,055	232.1
GVA before adjustment	19,198,125	25,350,544	32.0
<i>Less FISM</i>	-208,281	-401,656	92.8
<i>add Net taxes on products</i>	1,958,559	1,821,544	-7.0
GDP at Market Prices	20,948,403	26,770,432	27.8

3.2 Share of GDP for the new series

The revision of National Accounts Statistics in 2007 adopted the ISIC Revision 4 and 2008 SNA where the industries are classified into three broad economic activities namely Primary, Secondary and Tertiary.

Primary economic activity involves the extraction of raw materials from the earth. This extraction results in raw materials and basic foods such as coal, wood, iron and corn. Primary economic activity includes Agriculture and Mining. Secondary economic activity involves the transformation of raw materials into goods. This transformation results into goods such as furniture, cars and clothes. Secondary economic activity includes Manufacturing, Construction, Electricity, Gas and Water supply. Tertiary economic activity involves the supply of services to consumers and businesses. This economic activity provides services to the general population and business, including wholesale and retail trade, transportation and restaurant.

The result shows that, the share of GDP of primary economic activity for the year 2007 and 2013 are 32.1 percent and 37.9 percent respectively. The shares of GDP of secondary economic activity for the year 2007 and 2013 are 17.7 percent and 18.4 percent respectively. Accordingly, shares of GDP of tertiary economic activity for the year 2007 and 2013 are 50.2 percent and 43.7 percent respectively.

Chart 2: Percentage Share of Primary, Secondary and Tertiary Economic Activity for 2007

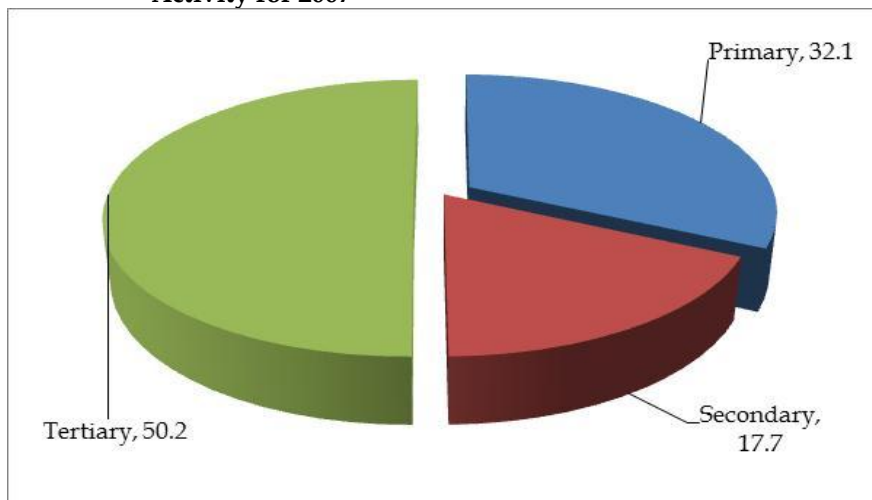
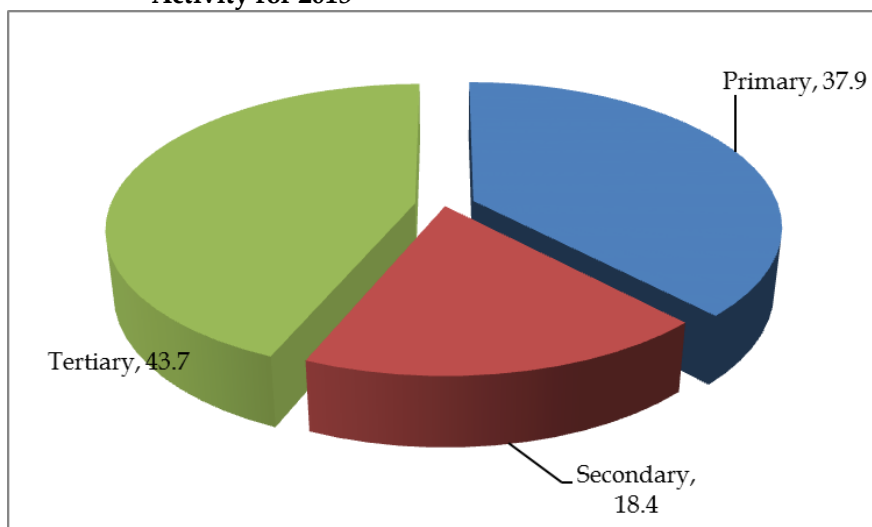


Chart 3: Percentage Share of Primary, Secondary and Tertiary Economic Activity for 2013

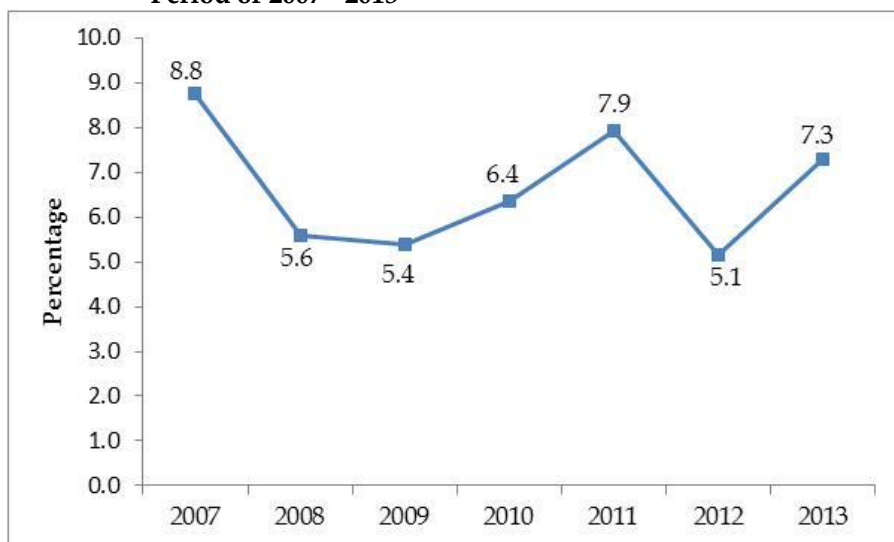


3.3 Real Growth Rates

The real growth rates are measured as percentage changes of GDP for the current year as compared to the GDP for the previous year.

The GDP growth for 2013 increased to 7.3 percent from 5.1 percent in 2012. Growth rates in 2013 for some selected economic activities indicate that Agriculture, forestry and fishing grew by 3.2 percent; manufacturing grew by 6.6; percent and trade grew by 5.3 percent.

Chart 4: Percentage Growth Rates of GDP at Constant Prices for the Period of 2007 - 2013



3.4 Implicit GDP Deflators

Implicit price deflator is the ratio of GDP at current prices to its corresponding GDP at constant prices which is used to account for the effects of inflation.

Table 2: Implicit GDP Deflators

GDP BY ACTIVITY AT CURRENT PRICES	2007	2008	2009	2010	2011	2012	2013
A Agriculture, forestry and fishing	100	122	141	157	180	215	241
Crops	100	129	147	171	195	238	259
Livestock	100	113	127	137	155	173	191
Forestry	100	113	126	133	154	195	268
Fishing	100	133	185	195	228	279	332
B Mining and quarrying	100	117	107	166	235	246	236
C Manufacturing	100	109	118	127	158	166	170
D Electricity supply	100	122	135	137	107	182	165
E Water supply; sewerage, waste management	100	100	103	99	95	103	119
F Construction	100	118	123	128	143	160	174
G Wholesale and retail trade; repairs	100	113	129	139	157	174	190
H Transport and storage	100	123	136	134	138	133	129
I Hotels and restaurants	100	112	135	138	135	153	152
J Information and communication	100	105	105	106	106	101	100
K Financial and insurance activities	100	108	112	119	130	144	152
L Real estate	100	105	116	121	132	149	149
M Professional, scientific and technical activities	100	108	115	116	124	131	139
N Administrative and support service activities	100	109	115	115	123	129	138
O Public administration and defence	100	112	124	139	150	165	188
P Education	100	108	117	127	128	131	148
Q Human health and social work activities	100	115	134	143	152	153	156
R Arts, entertainment and recreation	100	108	115	117	124	131	139
S Other service activities	100	109	121	121	127	139	147
T Activities of households as employers;	100	110	114	120	124	132	136
FISIM, unallocated	100	82	77	82	99	112	153
All economic activities	100	116	128	138	155	172	183
Taxes on products	100	114	115	126	130	153	154
GDP at market prices	100	115	127	138	153	171	181

4.0 GDP BY TYPE OF EXPENDITURE

Compilation of GDP by type of expenditure in the new GDP series has used information from Censuses and Surveys; and Administrative records. The new GDP by type of expenditure is compiled independently from Production account. The old GDP series, derived household final consumption a residual, thus there were no statistical discrepancies between the two estimates.

Share of GDP by type of expenditure in 2013 is dominated by household final consumption followed by imports of goods and services. The least share is from Non-Profit Institutions Serving Household (NPISH). (*Table No. 2*)

Table 3: Share of GDP by Type of Expenditure

Type of Expenditure	Percentage						
	2007	2008	2009	2010	2011	2012	2013
Government final consumption	18.6	16.2	17.5	15.3	14.3	15.1	16.2
Household final consumption	61.1	63.9	65.9	67.5	67.5	67.6	68.0
Gross fixed capital formation	31.5	33.5	28.9	29.2	33.3	31.3	29.3
Changes in inventories	1.4	-1.6	-3.7	-1.4	0.4	-2.1	-0.4
Exports of goods and services	18.9	18.7	17.4	19.4	21.5	21.7	17.5
NPISH	0.3	0.3	0.3	0.3	0.3	0.3	0.2
Imports of goods and services	-31.7	-30.9	-26.3	-30.2	-37.3	-33.8	-30.8
GDP at Market Prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table 4: Share of GDP by Economic Activity at Current Prices for 2007 in the Old and New Series

Economic Activity	Percentage Share of GDP	
	Old Series	New Series
Crops, Hunting and Forestry	25.8	25.2
Fishing	1.3	1.6
Mining and Quarrying	3.5	3.5
Manufacturing	7.8	7.1
Electricity and Gas	1.6	0.9
Water	0.4	0.8
Construction	7.8	7.9
Trade and Repair	11.5	10.2
Hotel and Restaurant	2.7	1.8
Transport	4.2	6.0
Communication	2.3	1.8
Financial Intermediation	1.6	2.8
Real Estate and Business Service	9.5	10.2
Public Administration	7.9	8.4
Education	1.4	3.2
Health	1.6	1.6
Other Social and Personal Services	0.6	1.6
GVA before adjustment	91.6	94.7
Less FISM	-1.0	-1.5
add Net taxes on products	9.3	6.8
GDP at Market Prices	100.0	100.0

Table 5: Gross Domestic Product by Economic Activity at Current Prices

TZS. Billion

	Economic Activity	2007	2008	2009	2010	2011	2012	2013
A	Agriculture, forestry and fishing	7,181	9,433	11,408	13,110	15,488	19,096	22,129
	Crops	3,604	5,014	6,036	7,285	8,687	11,035	12,414
	Livestock	2,513	3,063	3,644	3,969	4,573	5,194	5,839
	Forestry	640	752	881	956	1,147	1,508	2,168
	Fishing	425	604	847	900	1,082	1,359	1,708
B	Mining and quarrying	935	991	1,073	1,780	2,689	3,001	2,986
C	Manufacturing	1,880	2,284	2,597	3,022	4,032	4,416	4,812
D	Electricity supply	233	307	355	406	303	533	547
E	Water supply; sewerage, waste management	241	248	265	261	248	275	326
F	Construction	2,117	2,733	2,740	3,146	4,340	5,009	6,480
G	Wholesale and retail trade; repairs	2,645	3,202	3,759	4,442	5,596	6,424	7,379
H	Transport and storage	1,573	1,969	2,321	2,537	2,729	2,734	2,801
I	Hotels and restaurants	482	560	681	721	734	888	903
J	Information and communication	615	723	913	1,152	1,245	1,455	1,624
K	Financial and insurance activities	756	962	1,183	1,413	1,778	2,076	2,246
L	Real estate	1,601	1,716	1,921	2,037	2,278	2,613	2,672
M	Professional, scientific and technical activities	319	450	553	728	814	810	903
N	Administrative and support service activities	793	850	895	979	1,099	1,428	1,712
O	Public administration and defence	2,179	2,283	2,512	2,669	3,338	4,017	4,936
P	Education	851	1,007	1,193	1,380	1,464	1,607	1,893
Q	Human health and social work activities	438	532	664	736	821	919	1,020
R	Arts, entertainment and recreation	92	106	115	125	144	169	189
S	Other service activities	254	294	344	367	406	473	534
T	Activities of households as employers;	93	105	113	121	129	140	149
	FISIM, unallocated	-331	-289	-327	-376	-558	-638	-867
	All economic activities	24,949	30,465	35,275	40,756	49,116	57,445	65,374
	Taxes on products	1,822	2,173	2,481	2,815	3,261	3,871	4,480
	GDP at market prices	26,770	32,638	37,756	43,571	52,378	61,316	69,854

Table 6: Shares of GDP by Economic Activity at Current Prices

		Percentage						
	Economic Activity	2007	2008	2009	2010	2011	2012	2013
A	Agriculture, forestry and fishing	26.8	28.9	30.2	30.1	29.6	31.1	31.7
	Crops	13.5	15.4	16.0	16.7	16.6	18.0	17.8
	Livestock	9.4	9.4	9.7	9.1	8.7	8.5	8.4
	Forestry	2.4	2.3	2.3	2.2	2.2	2.5	3.1
	Fishing	1.6	1.9	2.2	2.1	2.1	2.2	2.4
B	Mining and quarrying	3.5	3.0	2.8	4.1	5.1	4.9	4.3
C	Manufacturing	7.0	7.0	6.9	6.9	7.7	7.2	6.9
D	Electricity supply	0.9	0.9	0.9	0.9	0.6	0.9	0.8
E	Water supply; sewerage, waste management	0.9	0.8	0.7	0.6	0.5	0.4	0.5
F	Construction	7.9	8.4	7.3	7.2	8.3	8.2	9.3
G	Wholesale and retail trade; repairs	9.9	9.8	10.0	10.2	10.7	10.5	10.6
H	Transport and storage	5.9	6.0	6.1	5.8	5.2	4.5	4.0
I	Hotels and restaurants	1.8	1.7	1.8	1.7	1.4	1.4	1.3
J	Information and communication	2.3	2.2	2.4	2.6	2.4	2.4	2.3
K	Financial and insurance activities	2.8	2.9	3.1	3.2	3.4	3.4	3.2
L	Real estate	6.0	5.3	5.1	4.7	4.3	4.3	3.8
M	Professional, scientific and technical activities	1.2	1.4	1.5	1.7	1.6	1.3	1.3
N	Administrative and support service activities	3.0	2.6	2.4	2.2	2.1	2.3	2.5
O	Public administration and defence	8.1	7.0	6.7	6.1	6.4	6.6	7.1
P	Education	3.2	3.1	3.2	3.2	2.8	2.6	2.7
Q	Human health and social work activities	1.6	1.6	1.8	1.7	1.6	1.5	1.5
R	Arts, entertainment and recreation	0.3	0.3	0.3	0.3	0.3	0.3	0.3
S	Other service activities	1.0	0.9	0.9	0.8	0.8	0.8	0.8
T	Activities of households as employers;	0.3	0.3	0.3	0.3	0.2	0.2	0.2
	FISIM, unallocated	-1.2	-0.9	-0.9	-0.9	-1.1	-1.0	-1.2
	All economic activities	93.2	93.3	93.4	93.5	93.8	93.7	93.6
	Taxes on products	6.8	6.7	6.6	6.5	6.2	6.3	6.4
	GDP at market prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table 7: GDP by Economic Activity at Constant 2007 Prices

TZS. Billion

	Economic Activity	2007	2008	2009	2010	2011	2012	2013
A	Agriculture, forestry and fishing	7,181	7,720	8,114	8,332	8,622	8,902	9,187
	Crops	3,604	3,885	4,099	4,248	4,454	4,641	4,802
	Livestock	2,513	2,716	2,860	2,901	2,948	3,002	3,062
	Forestry	640	664	698	722	746	772	808
	Fishing	425	456	458	462	474	488	514
B	Mining and quarrying	935	844	1,002	1,074	1,142	1,218	1,265
C	Manufacturing	1,880	2,094	2,192	2,388	2,554	2,659	2,834
D	Electricity supply	233	251	262	297	284	294	332
E	Water supply; sewerage, waste management	241	247	258	263	260	267	275
F	Construction	2,117	2,323	2,236	2,467	3,031	3,128	3,720
G	Wholesale and retail trade; repairs	2,645	2,825	2,904	3,193	3,556	3,694	3,892
H	Transport and storage	1,573	1,601	1,712	1,896	1,980	2,063	2,179
I	Hotels and restaurants	482	498	503	522	543	579	596
J	Information and communication	615	688	871	1,084	1,177	1,439	1,631
K	Financial and insurance activities	756	893	1,057	1,190	1,366	1,437	1,477
L	Real estate	1,601	1,628	1,657	1,687	1,720	1,754	1,791
M	Professional, scientific and technical activities	319	416	482	626	656	618	651
N	Administrative and support service activities	793	779	782	849	892	1,104	1,239
O	Public administration and defence	2,179	2,043	2,028	1,926	2,232	2,435	2,625
P	Education	851	932	1,018	1,083	1,143	1,228	1,281
Q	Human health and social work activities	438	463	497	514	541	603	656
R	Arts, entertainment and recreation	92	97	100	108	116	129	136
S	Other service activities	254	269	285	302	321	341	364
T	Activities of households as employers;	93	96	98	101	104	106	109
	FISIM, unallocated	-331	-354	-424	-458	-561	-568	-569
	All economic activities	24,949	26,353	27,633	29,445	31,681	33,431	35,670
	Taxes on products	1,822	1,913	2,158	2,239	2,512	2,522	2,901
	GDP at market prices	26,770	28,266	29,791	31,684	34,193	35,953	38,571

Table 8: Annual Growth Rates of GDP by Economic Activity

		Percentage						
	Economic Activity	2007	2008	2009	2010	2011	2012	2013
A	Agriculture, forestry and fishing	2.4	7.5	5.1	2.7	3.5	3.2	3.2
	Crops	-1.5	7.8	5.5	3.7	4.8	4.2	3.5
	Livestock	7.8	8.1	5.3	1.4	1.6	1.8	2.0
	Forestry	6.0	3.8	5.1	3.4	3.3	3.5	4.7
	Fishing	0.9	7.2	0.5	0.9	2.6	2.9	5.5
B	Mining and quarrying	9.2	-9.8	18.7	7.3	6.3	6.7	3.9
C	Manufacturing	11.5	11.4	4.7	8.9	6.9	4.1	6.6
D	Electricity supply	18.7	8.1	4.3	13.4	-4.3	3.3	13.0
E	Water supply; sewerage, waste management	-7.3	2.3	4.6	2.2	-1.2	2.8	2.7
F	Construction	13.1	9.7	-3.8	10.3	22.9	3.2	18.9
G	Wholesale and retail trade; repairs	15.3	6.8	2.8	9.9	11.4	3.9	5.3
H	Transport and storage	2.0	1.8	6.9	10.7	4.4	4.2	5.6
I	Hotels and restaurants	4.5	3.3	1.0	3.7	4.1	6.7	2.8
J	Information and communication	17.7	11.9	26.6	24.4	8.6	22.2	13.3
K	Financial and insurance activities	22.5	18.1	18.4	12.6	14.8	5.1	2.8
L	Real estate	1.6	1.7	1.8	1.8	1.9	2.0	2.1
M	Professional, scientific and technical activities	12.1	30.6	15.8	29.9	4.8	-5.8	5.4
N	Administrative and support service activities	2.1	-1.8	0.4	8.6	5.1	23.8	12.2
O	Public administration and defence	9.1	-6.3	-0.7	-5.0	15.9	9.1	7.8
P	Education	13.2	9.5	9.2	6.4	5.6	7.4	4.3
Q	Human health and social work activities	7.0	5.5	7.4	3.3	5.3	11.4	8.8
R	Arts, entertainment and recreation	7.5	6.4	3.0	7.3	7.7	11.0	5.7
S	Other service activities	5.7	5.8	5.9	6.0	6.2	6.4	6.5
T	Activities of households as employers;	2.7	2.6	2.7	2.6	2.7	2.6	2.7
	FISIM, unallocated	11.7	6.8	20.0	7.9	22.6	1.2	0.1
	All economic activities	7.4	5.6	4.9	6.6	7.6	5.5	6.7
	Taxes on products	32.7	5.0	12.8	3.8	12.2	0.4	15.0
	GDP at market prices	8.8	5.6	5.4	6.4	7.9	5.1	7.3

Table 9: GDP by Type of Expenditure at Current Prices

TZS. Billion							
TYPE OF EXPENDITURE	2007	2008	2009	2010	2011	2012	2013
Government final consumption	4,968	5,276	6,599	6,452	7,294	9,055	11,580
Household final consumption	16,349	20,844	24,849	28,533	34,454	40,663	48,649
Gross fixed capital formation	8,428	10,919	10,893	12,345	16,993	18,806	20,962
Changes in inventories	366	-521	-1,405	-607	214	-1,276	-300
Exports of goods and services	5,065	6,110	6,555	8,218	10,952	13,076	12,524
NPISH	77	92	110	119	133	154	166
Imports of goods and services	-8,482	-10,088	-9,914	-12,769	-19,015	-20,342	-22,045
GDP at market prices	26,770	32,632	37,687	42,291	51,024	60,137	71,536

Table 10: GDP by Type of Expenditure at Constant 2007 Prices

TZS. Billion							
TYPE OF EXPENDITURE	2007	2008	2009	2010	2011	2012	2013
Government final consumption	4,968	4,699	5,300	4,784	5,038	5,708	6,739
Household final consumption	16,349	17,925	18,906	20,149	21,768	22,443	24,308
Gross fixed capital formation	8,428	9,480	9,408	10,490	12,768	12,899	13,760
Changes in inventories	366	-388	-1,205	-433	280	-621	-151
Exports of goods and services	5,065	5,397	5,587	5,965	6,568	7,622	7,671
NPISH	77	84	93	98	105	119	123
Imports of goods and services	-8,482	-8,643	-8,433	-9,674	-12,176	-12,080	-13,410
GDP at market prices	26,770	28,554	29,656	31,380	34,351	36,090	39,040

Table 11: Gross Capital Formation at Current Prices

TZS. Billion

GFCF by type of asset	2007	2008	2009	2010	2011	2012	2013
Building and structures	4,413	5,884	5,468	6,171	8,689	9,769	12,341
Transport equipment	839	615	322	540	715	973	757
Machinery and equipment	1,320	2,138	2,501	2,693	4,063	3,926	3,227
Other Machinery and equipments	1,465	1,775	1,988	2,223	2,650	3,203	3,607
Animal resources yielding repeat products	126	123	113	31	106	178	197
Intellectual property products/ R&D/ professional	264	384	500	686	772	758	834
Total	8,428	10,919	10,893	12,345	16,993	18,806	20,962

Table 12: Gross Capital Formation at Constant 2007 Prices

TZS. Billion

GFCF by type of asset	2007	2008	2009	2010	2011	2012	2013
Building and structures	4,413	4,895	4,674	5,215	6,552	6,768	8,167
Transport equipment	839	628	303	498	623	802	620
Machinery and equipment	1,320	1,898	2,223	2,275	2,983	2,640	2,110
Other Machinery and equipments	1,465	1,598	1,685	1,820	1,914	2,008	2,153
Animal resources yielding repeat products	126	106	87	92	73	102	108
Intellectual property products/ R&D/ professional	264	355	436	590	622	578	602
Total	8,428	9,480	9,408	10,490	12,768	12,899	13,760

Table 13: Classification of activities according to ISIC

ISIC REV.4	ISIC REV.3
Agriculture, forestry and fishing	Agriculture, Hunting and Forestry
Crops	Crops
Livestock	Livestock
Forestry and Hunting	Forestry and Hunting
Fishing	Fishing
Mining and quarrying	Mining and quarrying
Manufacturing	Manufacturing
Electricity and gas supply	Electricity, gas
Water supply; sewerage, waste management	Water supply
Construction	Construction
Wholesale and retail trade; repairs	Trade and repairs
Transport and storage	Transport
Hotels and restaurants	Hotels and restaurants
Information and communication	Communications
Financial and insurance activities	Financial intermediation
Real estate	Real estate and business services
Professional, scientific and technical activities	
Administrative and support service activities	
Public administration and defence	Public administration and defence
Education	Education
Human health and social work activities	Health
Arts, entertainment and recreation	
Other service activities	Other social and personal services
Activities of households as employers;	
FISIM	FISIM
All economic activities	All economic activities
Taxes on products	Taxes on products
GDP at market prices	GDP at market prices

Table 14: Gross Output, Intermediate Consumption and Gross Value Added by Economic Activity at Current Prices

		TZS. Billion						
	Economic Activity	2007	2008	2009	2010	2011	2012	2013
A	Agriculture, forestry and fishing							
	Output	8,852	11,670	13,923	16,071	18,990	23,520	27,484
	Intermediate consumption	1,671	2,237	2,515	2,961	3,502	4,424	5,355
	Gross Value Added	7,181	9,433	11,408	13,110	15,488	19,096	22,129
	Crops							
	Output	4,442	6,223	7,409	9,008	10,749	13,689	15,708
	Intermediate consumption	839	1,210	1,373	1,723	2,062	2,654	3,294
	Gross Value Added	3,604	5,014	6,036	7,285	8,687	11,035	12,414
	Livestock							
	Output	3,128	3,837	4,527	4,925	5,667	6,549	7,453
	Intermediate consumption	614	774	883	956	1,094	1,355	1,614
	Gross Value Added	2,513	3,063	3,644	3,969	4,573	5,194	5,839
	Forestry							
	Output	736	861	996	1,083	1,300	1,693	2,366
	Intermediate consumption	96	108	115	127	154	185	199
	Gross Value Added	640	752	881	956	1,147	1,508	2,168
	Fishing							
	Output	547	749	991	1,055	1,274	1,588	1,956
	Intermediate consumption	122	145	144	155	192	229	248
	Gross Value Added	425	604	847	900	1,082	1,359	1,708
B	Mining and quarrying							
	Output	1,587	1,624	1,833	2,618	3,723	4,118	4,251
	Intermediate consumption	652	633	760	838	1,035	1,117	1,265
	Gross Value Added	935	991	1,073	1,780	2,689	3,001	2,986
C	Manufacturing							

	Economic Activity	2007	2008	2009	2010	2011	2012	2013
	Output	8,727	11,003	12,392	14,016	16,791	20,079	21,982
	Intermediate consumption	6,847	8,720	9,795	10,994	12,760	15,663	17,170
	Gross Value Added	1,880	2,284	2,597	3,022	4,032	4,416	4,812
D	Electricity supply							
	Output	442	550	611	749	749	1,077	1,165
	Intermediate consumption	209	243	256	343	446	544	618
	Gross Value Added	233	307	355	406	303	533	547
E	Water supply; sewerage, waste management							
	Output	368	400	424	436	436	466	522
	Intermediate consumption	127	152	159	175	188	190	196
	Gross Value Added	241	248	265	261	248	275	326
F	Construction							
	Output	6,112	8,069	7,558	8,427	11,604	13,032	16,223
	Intermediate consumption	3,995	5,336	4,818	5,281	7,264	8,024	9,743
	Gross Value Added	2,117	2,733	2,740	3,146	4,340	5,009	6,480
G	Wholesale and retail trade; repairs							
	Output	4,312	5,104	5,827	6,784	8,421	9,839	11,137
	Intermediate consumption	1,666	1,901	2,068	2,342	2,824	3,415	3,757
	Gross Value Added	2,645	3,202	3,759	4,442	5,596	6,424	7,379
H	Transport and storage							
	Output	3,037	3,590	3,987	4,515	5,054	5,255	5,469
	Intermediate consumption	1,464	1,620	1,666	1,978	2,325	2,521	2,667
	Gross Value Added	1,573	1,969	2,321	2,537	2,729	2,734	2,801
I	Hotels and restaurants							
	Output	1,266	1,448	1,629	1,737	1,897	2,245	2,413
	Intermediate consumption	784	888	949	1,016	1,163	1,357	1,510
	Gross Value Added	482	560	681	721	734	888	903

	Economic Activity	2007	2008	2009	2010	2011	2012	2013
J	Information and communication							
	Output	1,108	1,324	1,724	2,208	2,431	2,963	3,372
	Intermediate consumption	493	601	811	1,056	1,186	1,509	1,748
	Gross Value Added	615	723	913	1,152	1,245	1,455	1,624
K	Financial and insurance activities							
	Output	1,301	1,653	2,140	2,426	3,007	3,408	3,675
	Intermediate consumption	545	691	957	1,013	1,229	1,332	1,429
	Gross Value Added	756	962	1,183	1,413	1,778	2,076	2,246
L	Real estate							
	Output	1,820	1,984	2,187	2,318	2,598	2,960	3,076
	Intermediate consumption	219	267	265	281	321	348	403
	Gross Value Added	1,601	1,716	1,921	2,037	2,278	2,613	2,672
M	Professional, scientific and technical activities							
	Output	587	813	955	1,219	1,356	1,367	1,538
	Intermediate consumption	269	362	403	491	542	557	636
	Gross Value Added	319	450	553	728	814	810	903
N	Administrative and support service activities							
	Output	1,644	1,760	1,849	1,976	2,220	2,902	3,485
	Intermediate consumption	851	910	953	997	1,121	1,474	1,773
	Gross Value Added	793	850	895	979	1,099	1,428	1,712
O	Public administration and defence							
	Output	3,693	3,732	4,735	4,361	5,092	6,501	7,649
	Intermediate consumption	1,514	1,449	2,223	1,692	1,754	2,484	2,713
	Gross Value Added	2,179	2,283	2,512	2,669	3,338	4,017	4,936
P	Education							
	Output	1,243	1,518	1,825	2,108	2,296	2,637	3,018
	Intermediate consumption	392	511	632	728	832	1,030	1,125
	Gross Value Added	851	1,007	1,193	1,380	1,464	1,607	1,893

	Economic Activity	2007	2008	2009	2010	2011	2012	2013
Q	Human health and social work activities							
	Output	734	878	1,062	1,159	1,283	1,440	1,606
	Intermediate consumption	295	346	399	423	462	521	586
	Gross Value Added	438	532	664	736	821	919	1,020
R	Arts, entertainment and recreation							
	Output	127	147	160	174	200	235	262
	Intermediate consumption	36	41	45	49	56	66	73
	Gross Value Added	92	106	115	125	144	169	189
S	Other service activities							
	Output	469	542	635	671	738	859	971
	Intermediate consumption	215	248	291	305	331	386	436
	Gross Value Added	254	294	344	367	406	473	534
T	Activities of households as employers;							
	Output	93	105	113	121	129	140	149
	Intermediate consumption	0	0	0	0	0	0	0
	Gross Value Added	93	105	113	121	129	140	149
	FISIM	-331	-289	-327	-376	-558	-638	-867
	All economic activities							
	Output	47,522	57,912	65,568	74,095	89,015	105,045	119,445
	Intermediate consumption	22,242	27,158	29,966	32,963	39,341	46,961	53,204
	Gross Value Added	25,280	30,754	35,602	41,132	49,674	58,084	66,241
	Taxes on products	1,822	2,173	2,481	2,815	3,261	3,871	4,480
	GDP at market prices	26,770	32,638	37,756	43,571	52,378	61,316	69,854

Table 15: Gross Output, Intermediate Consumption and Gross Value Added by Economic Activity at Constant 2007 Prices

		TZS. Billion						
	Economic Activity	2007	2008	2009	2010	2011	2012	2013
A	Agriculture, forestry and fishing							
	Output	8,852	9,522	10,013	10,292	10,665	11,026	11,400
	Intermediate consumption	1,671	1,802	1,899	1,960	2,043	2,124	2,213
	Gross Value Added	7,181	7,720	8,114	8,332	8,622	8,902	9,187
	Crops							
	Output	4,442	4,791	5,056	5,241	5,498	5,728	5,932
	Intermediate consumption	839	906	957	992	1,043	1,087	1,130
	Gross Value Added	3,604	3,885	4,099	4,248	4,454	4,641	4,802
	Livestock							
	Output	3,128	3,382	3,566	3,628	3,700	3,783	3,877
	Intermediate consumption	614	666	706	727	752	781	815
	Gross Value Added	2,513	2,716	2,860	2,901	2,948	3,002	3,062
	Forestry							
	Output	736	763	802	830	857	887	929
	Intermediate consumption	96	99	104	108	112	115	121
	Gross Value Added	640	664	698	722	746	772	808
	Fishing							
	Output	547	586	589	594	610	627	662
	Intermediate consumption	122	131	131	132	136	140	147
	Gross Value Added	425	456	458	462	474	488	514
B	Mining and quarrying							
	Output	1,587	1,424	1,691	1,799	1,978	2,103	2,215
	Intermediate consumption	652	580	690	725	837	885	950
	Gross Value Added	935	844	1,002	1,074	1,142	1,218	1,265
C	Manufacturing							
	Output	8,727	9,922	10,432	11,266	12,080	12,784	13,550

	Economic Activity	2007	2008	2009	2010	2011	2012	2013
	Intermediate consumption	6,847	7,827	8,240	8,877	9,526	10,125	10,716
	Gross Value Added	1,880	2,094	2,192	2,388	2,554	2,659	2,834
D	Electricity supply							
	Output	442	464	495	562	563	606	654
	Intermediate consumption	209	213	233	264	278	312	322
	Gross Value Added	233	251	262	297	284	294	332
E	Water supply; sewerage, waste management							
	Output	368	376	393	402	397	408	419
	Intermediate consumption	127	130	136	139	137	141	145
	Gross Value Added	241	247	258	263	260	267	275
F	Construction							
	Output	6,112	6,707	6,455	7,122	8,752	9,030	10,736
	Intermediate consumption	3,995	4,384	4,219	4,656	5,720	5,902	7,017
	Gross Value Added	2,117	2,323	2,236	2,467	3,031	3,128	3,720
G	Wholesale and retail trade; repairs							
	Output	4,312	4,598	4,735	5,205	5,793	6,022	6,353
	Intermediate consumption	1,666	1,774	1,831	2,012	2,237	2,328	2,461
	Gross Value Added	2,645	2,825	2,904	3,193	3,556	3,694	3,892
H	Transport and storage							
	Output	3,037	3,092	3,239	3,581	3,777	3,952	4,138
	Intermediate consumption	1,464	1,491	1,526	1,685	1,797	1,889	1,959
	Gross Value Added	1,573	1,601	1,712	1,896	1,980	2,063	2,179
I	Hotels and restaurants							
	Output	1,266	1,308	1,322	1,370	1,427	1,522	1,565
	Intermediate consumption	784	810	819	849	884	943	969
	Gross Value Added	482	498	503	522	543	579	596
J	Information and communication							
	Output	1,108	1,254	1,603	2,012	2,185	2,681	3,036
	Intermediate consumption	493	566	731	928	1,007	1,242	1,405

	Economic Activity	2007	2008	2009	2010	2011	2012	2013
	Gross Value Added	615	688	871	1,084	1,177	1,439	1,631
K	Financial and insurance activities							
	Output	1,301	1,526	1,850	2,045	2,344	2,454	2,497
	Intermediate consumption	545	633	793	855	978	1,017	1,020
	Gross Value Added	756	893	1,057	1,190	1,366	1,437	1,477
L	Real estate							
	Output	1,820	1,851	1,884	1,918	1,955	1,994	2,036
	Intermediate consumption	219	223	227	231	235	240	245
	Gross Value Added	1,601	1,628	1,657	1,687	1,720	1,754	1,791
M	Professional, scientific and technical activities							
	Output	587	751	833	1,047	1,093	1,042	1,110
	Intermediate consumption	269	334	351	422	437	424	458
	Gross Value Added	319	416	482	626	656	618	651
N	Administrative and support service activities							
	Output	1,644	1,618	1,615	1,704	1,793	2,228	2,518
	Intermediate consumption	851	839	833	855	901	1,123	1,278
	Gross Value Added	793	779	782	849	892	1,104	1,239
O	Public administration and defence							
	Output	3,693	3,306	3,770	3,180	3,388	3,868	4,040
	Intermediate consumption	1,514	1,264	1,743	1,254	1,156	1,432	1,415
	Gross Value Added	2,179	2,043	2,028	1,926	2,232	2,435	2,625
P	Education							
	Output	1,243	1,396	1,559	1,687	1,810	1,976	2,093
	Intermediate consumption	392	463	541	604	667	748	813
	Gross Value Added	851	932	1,018	1,083	1,143	1,228	1,281
Q	Human health and social work activities							
	Output	734	774	832	860	905	1,008	1,097

	Economic Activity	2007	2008	2009	2010	2011	2012	2013
	Intermediate consumption	295	311	335	346	364	406	442
	Gross Value Added	438	463	497	514	541	603	656
R	Arts, entertainment and recreation							
	Output	127	135	139	149	161	179	189
	Intermediate consumption	36	38	39	42	45	50	53
	Gross Value Added	92	97	100	108	116	129	136
S	Other service activities							
	Output	469	495	522	552	584	618	656
	Intermediate consumption	215	226	237	250	263	277	292
	Gross Value Added	254	269	285	302	321	341	364
T	Activities of households as employers;							
	Output	93	96	98	101	104	106	109
	Intermediate consumption							
	Gross Value Added	93	96	98	101	104	106	109
	FISIM	-331	-354	-424	-458	-561	-568	-569
	All economic activities							
	Output	47,522	50,615	53,479	56,854	61,754	65,607	70,412
	Intermediate consumption	22,242	23,909	25,422	26,952	29,512	31,608	34,174
	Gross Value Added	25,280	26,707	28,057	29,903	32,242	33,999	36,238
	Taxes on products	1,822	1,913	2,158	2,239	2,512	2,522	2,901
	GDP at market prices	26,770	28,266	29,791	31,684	34,193	35,953	38,571

Definitions

System of National Accounts (SNA): is a coherent, consistent and integrated set of macroeconomic statistics based on a set of internationally agreed concepts, definitions, classifications and accounting rules.

Gross Domestic Product (GDP): is the monetary value of all finished goods and services produced by resident producers in a specific time period. GDP can be compiled by production, expenditure and income approach depending on availability of required information for every approach. Theoretically, any approach should produce the same result. GDP identities are presented as:

GDP by production = \sum (Gross Value Added) + net Taxes on products

GDP by Expenditure = Final Consumption Expenditure + Capital Formation
+ *net* Exports

GDP by Income = Compensation of employees + Operating Surplus
+ Consumption of Fixed Capital

Gross Value Added: This is the balancing item between Gross Output and Intermediate Consumption.

Basic Price: is the amount receivable by the producer, in other words the amount the producer pockets. It does not include any taxes on products but, on the other hand, it includes subsidies on products. The equivalent of imported goods is the c.i.f. value at the border of the importing country.

Producers' price: is the amount receivable by the producer inclusive of taxes on products (not VAT) and exclusive of subsidies on products. The equivalent for imported products is the c.i.f. value plus any import duties or other taxes on imports (minus subsidies on imports).

Purchasers' price: is the amount paid by the purchaser, excluding any deductible VAT or similar deductible tax, in order to take delivery of a unit of a good or service at the time and place required by the purchaser; the purchaser's price of a good includes any transport charges paid separately by the purchaser to take delivery at the required time and place.

Taxes on products and imports: These are taxes payable on goods and services when are produced, sold or used. They include taxes on imports that become payable when products enter the country. Taxes on products are proportional to or vary otherwise with the value or quantity of the goods and services on which they are levied.

Subsidies: These are current transfers that government pays to producers that constitute additions to the income receivable from their output.

Transport Margin: consists of those transport charges paid separately by the purchaser in trade and taking delivery of the goods at the required time and place.

Trade Margin: is the difference between the actual or imputed price realised on a good purchased for resale (either wholesale or retail) and the price that would have to be paid by the distributor to replace the good at the time it is sold or otherwise disposed of.

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