Quarterly National Accounts

Third Quarter 2008

Introduction

The Central Statistics Office publishes Quarterly National Accounts (QNA) estimates in a series of Economic and Social Indicators since 2005. Besides being one of the requirements for the country to graduate to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), quarterly estimates of Gross Domestic Product (GDP) provide users with upto-date information for monitoring economic cycles and short-term changes.

This issue presents quarterly estimates of GDP for the period 2005 to the third quarter of 2008. Estimates have been worked out using both the production and the expenditure approach, based on latest available data. The production data covering value added at current prices and growth rates over the corresponding period of the previous year by industry group are presented in Tables 1 to 2, and the components of expenditure of GDP in Tables 3 and 4. Data in these tables have not been seasonally adjusted, which partly explains the fluctuations in the series (Figure 1).

For more meaningful trend analysis, seasonally adjusted estimates of quarterly GDP from the production approach have been worked out. The derived quarter-to-quarter growth rates for the period 2001 to the third quarter of 2008 together with some analysis are presented in section 5 of this publication.

Definitions of terminology are given on page 8 and 9. The data sources and methods used including the method used for seasonal adjustment are described in the Annex.

2. Quarterly GDP estimates at current prices

2.1 Overall GDP

Fig 1: Quarterly GDP estimates at current basic prices, Q₁ 2005 – Q₃ 2008

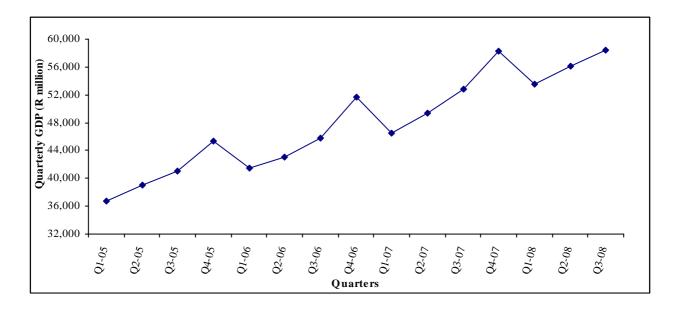


Figure 1 shows the quarterly GDP estimates at basic prices for the period 2005 to the third quarter of 2008. It is observed that throughout the period, the quarterly data follow the same pattern

every year. Production is relatively low in the first quarter; it increases gradually in the two subsequent quarters to peak in the last quarter before declining in the first quarter of the following year. This pattern clearly indicates seasonality in the data. Thus, in 2007, GDP at current basic prices which stood at R 46,485 million in the first quarter, increased to R 49,357 million in the second and to R 52,750 million in the third to peak at R 58,319 million in the fourth quarter. It then declined to R 53,555 million in the first quarter of 2008.

The lower GDP figures observed during the first quarters may be due to lower economic activities resulting from temporary closures of firms during the month of January because of New Year festivities. On the other hand, the higher GDP figures during the last quarters could be explained by more activities in "Hotels and restaurants" due to high tourist arrivals, and in "Manufacturing" and "Wholesale and retail trade" to meet the high demand for consumption goods for end of year festivities.

Quarterly data for the years 2005 to 2007 indicate that around 23% of the annual GDP was produced in the first quarters, 24% in the second quarters, 25% in the third quarters and 28% in the fourth quarters.

Quarterly GDP at current basic prices for the third quarter of 2008 is estimated at R 58,474 million compared to R 56,120 million in the previous quarter and to R 52,750 million in the corresponding quarter of 2007.

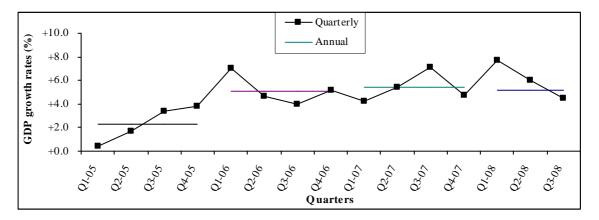
3. Quarterly GDP growth rates (based on data unadjusted for seasonality) – Table 2

3.1 Growth rates, $Q_12005 - Q_32008$, (year on year change)

Table 2 shows year on year quarterly growth rates by industry group for the period 2005 to the third quarter of 2008. The rates represent the percentage change in real value added over the same quarter of the previous year and hence exclude changes due to seasonal factors.

Figure 2 shows the year on year quarterly GDP growth rates for the period first quarter 2005 to third quarter 2008 and the annual rates for the period 2005 to 2008. Annual data indicate that the economy slowed down in 2005 when a growth of only 2.3% was observed. It then recovered with growths of 5.1% and 5.4% in 2006 and 2007 respectively. Growth for 2008 is estimated at 5.2%, lower than in 2007.

Fig. 2: GDP growth rates, quarterly (percentage change over corresponding period of previous year) and annual, $Q_1 2005 - Q_3 2008$



Quarterly data indicate that after a low growth of only 0.4% during the first quarter of 2005, GDP improved in the following quarters to peak at 7.0% in the first quarter of 2006. Thereafter, it slowed

down to pick up again during the third quarter of 2007 when a growth of 7.1% was registered. This was however followed by a lower growth of 4.7% in the fourth quarter. The economy recovered in the first quarter of 2008 with a growth of 7.7% but declined to 6.0% and 4.5% in the second and third quarters respectively.

3.2 Growth rates, second quarter 2008 over second quarter 2007

Based on latest available information, GDP growth for the second quarter of 2008 over the corresponding quarter of 2007 has been revised slightly downwards to 6.0% compared to 6.1% estimated in September 2008. This downward revision is mostly explained by lower growths in "Manufacturing" (4.2% instead of 5.5%) and "Transport, storage and communications" (7.8% instead of 9.6%) partly offset by a higher growth in "Public administration and defence; compulsory social security" (3.9% instead of 2.4%).

3.3 Growth rates, third quarter 2008 over third quarter 2007

GDP growth rate for the third quarter of 2008 over the corresponding quarter of 2007 works out to 4.5%. Growths were registered in all sectors except for "Mining and quarrying" (Table 2).

"Agriculture, hunting, forestry and fishing" grew by 2.8% in the third quarter of 2008 compared to a growth of 3.7% in the previous quarter. The 2.8% growth is explained by growths of 5.5% and 3.6% in "Sugar cane" and "Other agriculture" respectively.

"Mining and quarrying" remained stagnant, no growth being registered since the first quarter of 2008.

"Manufacturing" registered a low growth of 1.3% in the third quarter of 2008 compared to 4.2% in the second quarter of 2008. The sub-sectors "Sugar" grew by 5.5%, "Other manufacturing" by "3.2% and "Food excluding Sugar" by 0.4% while a decline of 3.2% was noted in "Textile".

"Electricity, gas and water supply" grew by 5.8% in the third quarter of 2008 higher than the 3.4% growth registered in the second quarter of 2008.

"Construction" grew by 10.6%, lower than the 12.3% growth noted for the second quarter of 2008.

"Wholesale and retail trade; repair of motor vehicles, motorcycles, personal and household goods" grew by a further 4.2% in the third quarter of 2008 after the 5.2% growth registered in the second quarter of 2008.

"Hotels and restaurants" grew by 2.6% in the third quarter of 2008 compared to 3.1% in the second quarter of 2008, mainly due to lower tourist arrivals during the quarter.

"Transport, storage and communications" grew by 5.5% in the third quarter of 2008 lower than the 7.8% growth recorded for the second quarter.

"Financial intermediation" grew by 11.0% in the third quarter of 2008 higher than the 9.7% growth registered in the second quarter of 2008.

"Real estate, renting and business activities" grew by 6.6% in the third quarter of 2008 slightly lower than the 6.8% growth in the previous quarter.

"Public administration and defence; compulsory social security" grew by 0.2% in the third quarter of 2008, lower than the 3.9% registered in the previous quarter.

"Education" grew by 2.6% in the third quarter of 2008 compared to 2.8% in the second quarter of 2008.

"Health and social work" grew by 3.8% in the third quarter of 2008 lower than the growth of 6.7% noted for the second quarter.

"Other community, social and personal service activities and private households with employed persons" grew by 9.0% in the third quarter of 2008, slightly higher than the 8.8% registered for the second quarter.

3.4 Contribution of industry groups to GDP growth, third quarter 2008

The contribution of an industry to GDP growth depends on two factors, namely, its share in the economy and the change in its real value added. From Table A and Figure 3, it is observed that the main contributors to the 4.5% growth in GDP during the third quarter of 2008 were "Financial intermediation" with a contribution of 1.2 percentage points, "Construction", "Transport, storage and communications" and "Real estate, renting and business activities" each contributing 0.7 percentage point and "Wholesale and retail trade; repair of motor vehicles, motorcycles, personal and household goods" contributing 0.5 percentage point.

Contributions of the other industry groups ranged from 0.1 to 0.4 percentage point except "Mining and quarrying" and "Public administration and defence; compulsory social security" whose contributions were almost negligible.

Table A: Contribution of industry groups to GDP growth (percentage point), Q₁ 2007 – Q₃2008

Industry			Contribu	tion to GE	P growth		
maustry	Q ₁ 2007	Q ₂ 2007	Q ₃ 2007	Q ₄ 2007	Q ₁ 2008	Q ₂ 2008	Q ₃ 2008
Agriculture, hunting, forestry and fishing	-0.5	-0.5	-0.6	-0.1	0.5	0.2	0.1
Mining and quarrying	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacturing	0.1	0.8	1.1	0.0	0.9	0.8	0.3
Electricity, gas and water supply	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Construction	1.4	1.0	0.5	0.5	1.0	0.9	0.7
Wholesale & retail trade; repair of motor							
vehicles, motorcycles, personal and	-0.6	0.0	1.7	1.1	0.8	0.7	0.5
household goods							
Hotels and restaurants	1.5	1.5	1.0	0.7	0.8	0.3	0.2
Transport , storage and communications	0.6	0.8	1.2	1.0	1.4	0.9	0.7
Financial intermediation	1.1	0.6	0.6	0.7	1.1	1.0	1.2
Real estate, renting and business activities	0.7	0.9	0.9	0.7	1.0	0.8	0.7
Public administration and defence; compulsory social security	0.0	0.2	0.1	-0.1	0.2	0.3	0.0
Education	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Health and social work	0.2	0.1	0.2	0.1	0.2	0.2	0.1
Other community, social and personal							
service activities and private households with employed persons	0.3	0.3	0.4	0.3	0.3	0.3	0.4
FISIM	-0.7	-0.4	-0.2	-0.4	-0.7	-0.6	-0.6
GDP at basic prices	4.2	5.4	7.1	4.7	7.7	6.0	4.5

Contribution of an industry to the GDP growth is calculated as the product of its share in the economy and the year on year growth rate.

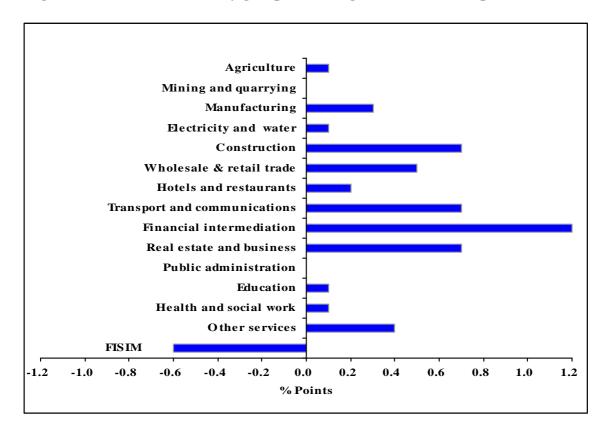


Fig 3: Contribution of industry groups to GDP growth rate, third quarter 2008

4. Quarterly GDP by expenditure

4.1 Quarterly expenditure components at current prices

During the third quarter of 2008, final consumption expenditure, which comprised consumption expenditure of private households and general government, amounted to R 56,625 million, representing 85.6% of the quarterly GDP at market prices. Final consumption of households estimated at R 47,815 million represented 72.3% of the quarterly GDP, and that of general government estimated at R 8,810 million was 13.3% of the GDP (Table 3).

Analysis of quarterly data from 2005 to 2007 shows seasonality in household consumption expenditure with highest consumption occurring during the fourth quarters. During the period 2005 to 2007, it is noted that household consumption expenditure during the fourth quarters represented around 28% of the yearly total, compared to around 24% for the other quarters.

"Exports of goods" is observed to be highest during the third and fourth quarters while "Exports of services" which comprises mainly tourist earnings and revenue of the national airline from foreign travellers is highest during the first and fourth quarters.

Imports of goods are highest in the fourth quarters, mainly explained by high consumption at the end of the year.

There is no distinct seasonal pattern in the data for general government consumption expenditure, Gross Domestic Fixed Capital Formation (GDFCF) and imports of services.

4.2 Ouarterly growth rates of expenditure components, third quarter 2008

Analysis of year on year quarterly GDP by expenditure shows that total final consumption expenditure registered a growth of 3.0% in the third quarter of 2008, lower than the 3.7% growth in the second quarter of 2008 (Table 4). The final consumption expenditure of households grew by 4.5% in the third quarter of 2008 compared to 4.4% in the previous quarter and that of general government declined by 4.5% as apposed to a growth of 0.6% in the second quarter.

During the third quarter of 2008, investment grew by 3.5%, lower than the high growth of 13.8% registered in the second quarter of 2008. This lower growth is explained by a growth of 12.1% in "Building and construction work" compared to 13.8% in the second quarter and a decline of 6.3% in "Machinery and equipment" compared to a high growth of 13.9% in the second quarter.

The growth of 12.1% in "Building and construction work" was mainly attributable to growths of 23.4% and 8.6% in residential buildings and non-residential building respectively.

The decline of 6.3% in "Machinery and equipment" is explained by a contraction in "Other machinery and equipment" (-23.3%) partly offset by growths in "Other transport equipment" (+83.6%) and "Passenger car" (+8.2%). The growth of 83.6% in "Other transport equipment" is explained by the acquisition of fishing vessels by the private sector. It is to be noted that the vessels were acquired in the third quarter of 2008 and not in the second quarter as mentioned in the previous issue of this indicator.

During the third quarter of 2008, exports of goods and services grew in real terms by 7.2% while a decline of 7.4% was noted for imports of good and services. The growth in exports of goods and services is explained by increases of 9.1% and 5.0% in exports of goods and exports of services respectively while the decline in imports of goods and services is attributable to contractions of 7.5% and 7.3% in imports of goods and imports of services respectively.

5. Seasonally adjusted quarterly GDP

Table B and figure 4 below compare the year-on-year quarterly GDP growth rates based on unadjusted data and the quarter-to-quarter growth rates based on seasonally adjusted data for the period 2001 to the third quarter of 2008.

As indicated earlier, while the year-on-year growth rates can be used to analyse trends, the quarter to quarter growth rates provide a more meaningful trend analysis with the advantage of being able to detect trend changes much earlier. For example, the year-on-year growth rates indicate a slowing down of the economy during the period third quarter of 2001 to the second quarter of 2002 and a recovery during the third quarter of 2002. On the other hand, the quarter-to-quarter growth rates based on seasonally adjusted data had already detected a decline in the economy as from the second quarter of 2001 and a recovery as from the second quarter of 2002.

Similarly, the year-on-year growth rates show a sharp decline in economic activities during the first quarter of 2005 and a slow pick up in the second quarter while the quarter-to-quarter data reveal slowing down of the economy as early as from the second quarter of 2004.

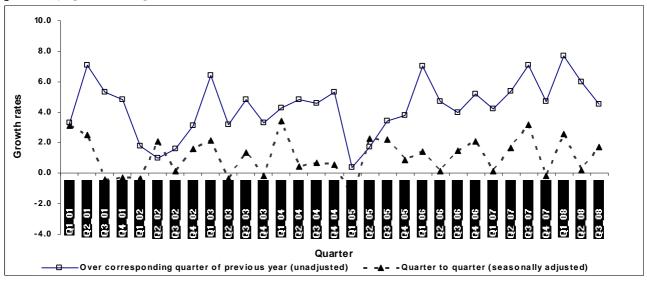
Quarter to quarter GDP growth rates based on seasonally adjusted data show that the economy grew by 1.7% in the third quarter of 2008 compared to 2.6% in the first quarter and 0.2% in the second quarter.

Users may consult the website of the CSO (http://statsmauritius.gov.mu) for seasonally adjusted growth rates by industry group.

Table B: Quarterly GDP growth rates, $Q_1 2001 - Q_3 2008$

Quarter	GDP growth rates (%) (Over corresponding quarter of previous year)	Seasonally adjusted GDP growth rates (%) (Quarter to quarter)	Quarter	GDP growth rates (%) (Over corresponding quarter of previous year)	Seasonally adjusted GDP growth rates (%) (Quarter to quarter)
Q1_01	3.3	3.1	Q1_05	0.4	-1.5
Q2_01	7.1	2.5	Q2_05	1.7	2.3
Q3_01	5.3	-0.4	Q3_05	3.4	2.2
Q4_01	4.8	-0.3	Q4_05	3.8	0.8
Q1_02	1.8	-0.4	Q1_06	7.0	1.4
Q2_02	1.0	2.1	Q2_06	4.7	0.2
Q3_02	1.6	0.1	Q3_06	4.0	1.5
Q4_02	3.1	1.6	Q4_06	5.2	2.1
Q1_03	6.4	2.1	Q1_07	4.2	0.1
Q2_03	3.2	-0.3	Q2_07	5.4	1.7
Q3_03	4.8	1.3	Q3_07	7.1	3.2
Q4_03	3.3	-0.1	Q4_07	4.7	-0.2
Q1_04	4.3	3.4	Q1_08	7.7	2.6
Q2_04	4.8	0.4	Q2_08	6.0	0.2
Q3_04	4.6	0.7	Q3_08	4.5	1.7
Q4_04	5.3	0.6			

Fig. 4: GDP growth rates (over corresponding quarter of previous year and quarter to quarter), $Q_1\ 2001-Q_3\ 2008$.



Definition of terminology used

1. Gross Domestic Product (GDP)

GDP is the aggregate money value of all goods and services produced within a country out of economic activity during a specified period before provision for the consumption of fixed capital.

2. GDP at basic prices

GDP at basic prices is obtained as the difference between output and intermediate consumption whereby output is valued at basic prices and intermediate consumption at purchasers' prices.

The basic price is the amount receivable by the producer exclusive of taxes on products and inclusive of subsidies on products. The equivalent for imported products is the c.i.f. value, i.e. the value at the border of the importing country.

The purchasers' price is the amount payable by the purchaser exclusive of deductible taxes on products (e.g. deductible value added tax).

3. GDP at market prices

GDP at market prices is equal to the GDP at basic prices plus taxes (net of subsidies) on products.

4. Final Consumption expenditure

Final Consumption expenditure refers to the expenditure made on goods and services by households and government.

5. Gross Domestic Fixed Capital Formation (GDFCF)

GDFCF is the net additions to the physical assets of the country in a year. These consist mainly of investment in buildings, plants, machinery and transport equipment, all valued at market prices.

6. Exports and Imports of goods and services

Exports and imports of goods are measured on an f.o.b. basis. Insurance and freight, which represent the difference between the c.i.f. and f.o.b. values of imports of goods, are recorded as import of services.

Exports and imports of goods are compiled according to the General Trade System, using the national boundary as the statistical frontier. All goods entering the country are recorded in imports and goods leaving the country in exports.

7. Goods-producing industries

Goods-producing industries comprise "Agriculture, hunting, forestry and fishing", "Mining and quarrying", "Manufacturing", "Electricity, gas and water supply" and "Construction".

8. Services industries

Services industries include "Wholesale and retail trade; repair of motor vehicles, motorcycles, personal and household goods", "Hotels and restaurants", "Transport, storage, communications", "Financial intermediation", "Real estate, renting and business services", "Public administration and defence; compulsory social security", "Education", "Health and social work", "Other community, social and personal service activities and private households with employed persons".

9. Change in inventories

Change in inventories includes the value of the physical change in inventories of raw materials, work in progress, and finished goods held by producers.

10. Financial intermediation services indirectly measured (FISIM)

FISIM is obtained as the difference between interest received and interest paid by banks excluding those received on own funds. As it is difficult to allocate FISIM to the intermediate consumption of different industries, the total value of FISIM is imputed to a nominal industry with negative value added.

Note: Figures in some tables may not add up to the total published due to rounding off.

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Table 1 - Quarterly Gross Domestic Product by industry group at current basic prices, Q1 2005 - Q3 2008

(R million) Year 2006 1 (Cumulated 4 2005 quarters) 2005 2006 Q1 Q2Q3 04 01 Q2Q3 Q4 Agriculture, hunting, forestry and fishing 9,790 10,130 2,133 2,036 2,654 2,968 2,226 2,143 2,802 2,959 Sugarcane 5,212 5,137 1,098 1,005 1,473 1,636 1,082 991 1,452 1,613 Other 4,578 4,993 1,035 1,031 1,181 1,331 1,144 1,152 1,350 1,347 101 23 21 21 23 Mining and quarrying 88 22 23 29 26 36,357 32,187 6,587 7,783 8,050 9,767 7.350 8,712 9,207 11,087 Manufacturing 1.586 335 489 538 330 Sugar 1,609 247 244 482 530 Food (exc sugar) 8,310 10,137 1,733 1,971 2,059 2,547 2,080 2,482 2,469 3,106 Textile 10,885 11,974 2,411 2,864 2,654 2,956 2,535 3,037 3,011 3,391 11,383 12,659 2,196 3,245 Other 2,612 2,848 3,726 2,491 2,863 4,060 Electricity, gas and water supply 3,355 3,521 944 813 804 794 908 811 907 895 Construction 9,099 10,205 2,029 2,419 2,246 2,405 2,094 2,553 2,676 2,883 Wholesale & retail trade; repair of motor 5,607 vehicles, motorcycles, personal and household 19,571 22,534 3,838 5,829 4,906 5,482 6,539 4,776 5,127 goods Wholesale and retail trade 18,446 21,246 3,557 4,495 4,846 5,548 4,584 5,160 5,285 6,217 Other 1,125 1,288 281 281 281 281 322 322 322 322 Hotels and restaurants 12,423 15,500 3,414 2,633 2,599 3,778 4.381 3,084 3.182 4.854 4,996 Transport, storage and communications 20,447 22,167 4,933 4,703 5,249 5,563 5,449 5,611 6,111 Financial intermediation 16,766 18,850 3,625 4,291 4,312 4,539 4,017 4,455 4,945 5,434 Insurance 4,675 5,154 915 1,050 1,333 1,377 1,025 1,163 1,475 1,491 Banks 10.141 11,477 2,247 2,700 2.510 2,685 2,487 2,731 2,870 3,389 2,219 541 505 600 Other 1,950 463 469 476 560 554 Real estate, renting and business activities 16,609 19,071 4,078 4,157 4,116 4,258 4,552 4,729 4,800 4,990 Owner occupied dwellings 8,177 9,102 1,994 2,022 2,066 2,096 2,182 2,215 2,334 2,371 8,432 9,969 2,084 2,135 2,050 2,163 2,370 2,514 Other 2,466 2,619 Public administration and defence; 2,901 11,460 12,199 2,732 2,955 2,872 2,931 3,107 3,010 3,152 compulsory social security 7,780 8,440 1,960 1,837 1,975 2,007 1,991 Education 2,139 2,164 2,147 Health and social work 5,580 6,266 1,368 1,388 1,446 1,378 1,522 1,604 1,578 1,562 Other community, social and personal service activities and private households with 6,007 6,784 1,221 1,515 1,681 1,590 1,372 1,709 1,901 1,803 employed persons FISIM -8,991 -10.117 -2,087 -2,377 -2,472 -2.598 -2,315 -2,212 -2.260-2,788 **Gross Domestic Product at basic prices** 162,171 182,008 36,673 39,096 41.056 45,347 41,462 43,073 45.821 51,653 Taxes on products (net of subsidies) 23,177 24,319 5,445 5,863 5,471 6,398 5,985 5,978 5,735 6,622 206,328 Gross Domestic Product at market prices 185,349 42,118 44,959 46,526 51,745 47,446 49,051 51,556 58,274

Export Oriented Enterprises	12,108	13,694	2,671	3,267	3,089	3,081	2,813	3,611	3,560	3,709
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 $Table\ 1\ -\ (cont'd)\ Quarterly\ Gross\ Domestic\ Product\ by\ industry\ group\ at\ current\ basic\ prices,\ Q_1\ 2005\ -\ Q_3\ 2008$

(R million)

	T 7						(R million)
	Year (Cumulated 4		200	7 ¹			2008	
	quarters)		200	, ,			2000	
	2007	Q1	Q2	Q3	Q4	Q1 ¹	Q2 ¹	$Q3^2$
Agriculture, hunting, forestry and fishing	9,834	2,115	2,023	2,687	3,009	2,218	2,070	2,703
Sugarcane	4,620	973	891	1,306	1,450	916	838	1,229
Other	5,214	1,142	1,132	1,381	1,559	1,303	1,232	1,475
Mining and quarrying	96	22	22	25	28	23	22	25
Manufacturing	41,076	8,279	9,912	10,588	12,297	9,804	11,291	11,351
Sugar	1,426	219	297	434	477	206	280	408
Food (exc sugar)	12,301	2,274	3,154	3,003	3,870	3,213	4,142	3,546
Textile	13,435	2,966	3,541	3,442	3,487	2,881	3,294	3,120
Other	13,914	2,820	2,921	3,709	4,464	3,504	3,575	4,277
Electricity, gas and water supply	3,668	918	823	907	1,020	1,062	1,164	1,208
Construction	13,145	3,042	3,403	3,242	3,457	3,947	4,190	3,974
Wholesale & retail trade; repair of motor	ŕ	,	•	•	,	ŕ	•	ŕ
vehicles, motorcycles, personal and household goods	25,599	5,059	6,040	6,831	7,669	5,820	6,910	7,465
Wholesale and retail trade	24,137	4,694	5,675	6,465	7,303	5,400	6,480	7,030
Other	1,461	365	365	365	365	420	430	435
Hotels and restaurants	19,517	5,184	4,250	4,114	5,969	5,784	4,868	4,163
Transport , storage and communications	24,696	6,041	5,557	6,372	6,726	6,751	5,892	6,548
Financial intermediation	21,607	4,855	5,104	5,615	6,032	6,050	6,325	6,600
Insurance	5,700	1,140	1,278	1,656	1,627	1,400	1,500	1,750
Banks	13,317	3,159	3,198	3,299	3,661	4,000	4,100	4,100
Other	2,590	556	629	661	745	650	725	750
Real estate, renting and business activities	22,614	5,332	5,685	5,725	5,872	6,422	6,650	6,753
Owner occupied dwellings	10,675	2,467	2,670	2,784	2,755	2,957	2,984	3,159
Other	11,939	2,865	3,015	2,941	3,117	3,465	3,666	3,595
Public administration and defence; compulsory social security	12,674	2,998	3,290	3,163	3,224	3,155	3,487	3,802
Education	9,109	2,158	2,318	2,347	2,287	2,331	2,503	2,765
Health and social work	6,824	1,672	1,697	1,752	1,704	1,836	1,878	2,074
Other community, social and personal service activities and private households with employed persons	7,981	1,571	2,010	2,237	2,164	1,853	2,372	2,643
FISIM	-11,528	-2,761	-2,777	-2,853	-3,137	-3,500	-3,500	-3,600
Gross Domestic Product at basic prices	206,911	46,485	49,357	52,750	58,319	53,555	56,120	58,474
Taxes on products (net of subsidies)	28,549	6,538	6,688	6,916	8,407	7,547	7,881	7,681
Gross Domestic Product at market prices	235,460	53,023	56,045	59,667	66,726	61,102	64,001	66,155
Export Oriented Enterprises	15,584	3,351	4,118	4,060	4,055	3,585	4,109	3,962

Table 2 - Gross Domestic Product-sectoral growth rates (% over corresponding period of previous year), $\,\,Q_1\,2005$ - $\,Q_3\,2008$

		nual h rate		20	05			200	6 ¹	
	2005	2006	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Agriculture, hunting, forestry and fishing	-5.4	+0.6	-7.2	-8.1	-7.3	-0.3	+1.1	+4.0	+2.9	-4.0
Sugarcane	-9.2	-2.9	-9.2	-9.2	-9.2	-9.2	-2.9	-2.9	-2.9	-2.9
Other	-1.1	+4.5	-4.8	-7.0	-4.6	+10.3	4.9	+9.4	+9.0	-3.1
Mining and quarrying	-3.6	+9.1	+7.7	+9.1	-9.7	-16.1	+7.9	+0.7	+26.3	2.6
Manufacturing	-5.5	+4.0	-11.0	-6.0	-3.9	-1.8	+5.9	+2.7	+4.1	+3.8
Sugar	-9.2	-2.9	-9.2	-9.2	-9.2	-9.2	-2.9	-2.9	-2.9	-2.9
Food (exc sugar)	+2.1	+9.6	-3.1	+0.8	+2.2	+7.3	+12.3	+13.3	+7.2	+6.6
Textile	-14.7	+2.9	-21.0	-16.3	-13.3	-8.1	-0.1	-1.1	+6.2	+6.5
Other	+0.4	+1.8	-4.8	+5.2	+6.3	-4.0	+4.2	-1.2	+1.4	+2.9
Electricity, gas and water supply	+3.8	+4.0	+1.5	+2.5	+6.6	+5.2	+3.7	+5.3	+5.7	+1.6
Construction	-4.4	+5.2	-2.8	-9.6	-4.3	-0.3	-1.3	+0.9	+10.2	+10.7
Wholesale & retail trade; repair of motor vehicles, motorcycles, personal and household goods	+5.6	+5.5	-1.6	+8.2	+9.5	+5.5	+19.9	+7.6	-1.5	+0.2
Wholesale and retail trade	+5.5	+5.4	-2.1	+8.3	+9.5	+5.3	+20.6	+7.6	-1.9	+0.0
Other	+8.0	+7.0	+6.7	+7.2	+8.6	+9.7	+8.7	+9.2	+5.3	+4.7
Hotels and restaurants	+5.6	+3.5	+6.5	+2.4	+5.2	+7.2	+6.1	-0.2	+3.2	+4.1
Transport , storage and communications	+7.7	+7.4	+7.8	+9.7	+7.4	+6.3	+8.5	+5.8	+5.8	+9.3
Financial intermediation	+5.4	+7.0	+1.3	+4.2	+8.7	+7.5	+4.5	+4.2	+8.0	+11.1
Insurance	+5.0	+5.0	+4.3	+5.1	+6.1	+4.6	+5.0	+4.8	+5.5	+4.7
Banks	+4.8	+7.1	-1.4	+3.1	+10.8	+6.9	+4.3	+4.5	+6.3	+12.8
Other	+9.5	+11.0	+8.1	+7.9	+5.5	+17.5	+4.9	+2.0	+21.3	+17.5
Real estate, renting and business activities	+6.5	+6.5	+6.1	+6.3	+6.4	+7.0	+6.0	+7.6	+6.4	+6.4
Owner occupied dwellings	+4.8	+4.4	+4.9	+4.7	+4.8	+4.9	+4.5	+4.5	+4.4	+4.4
Other	+8.1	+8.5	+7.3	+7.9	+8.1	+9.1	+7.4	+10.7	+8.4	+8.3
Public administration and defence;	+5.3	+4.0	+4.4	+5.0	+7.8	+4.2	+4.1	+4.0	+0.1	+7.8
compulsory social security Education	+6.1	+4.1	+6.3	+7.7	+4.6	+6.1	+3.6	+3.5	+3.7	+5.6
Health and social work	+6.2	+7.9	+7.8	+7.2	+4.5	+5.4	+7.0	+13.0	+4.5	+6.8
Other community, social and personal service activities and private households with employed persons	+7.2	+6.5	+5.3	+5.9	+6.9	+10.3	+8.6	+7.7	+5.4	+5.0
FISIM	+7.3	+6.9	+3.1	+12.7	+7.5	+6.1	+2.6	+8.5	+9.3	+6.9
Gross Domestic Product at basic prices	+2.3	+5.1	+0.4	+1.7	+3.4	+3.8	+7.0	+4.7	+4.0	+5.2
Taxes on products (net of subsidies)	-5.5	-3.8	-5.1	-2.5	-10.7	-3.8	+2.9	-6.7	-5.2	-5.6
Gross Domestic Product at market prices	+1.2	+3.9	-0.2	+1.2	+1.8	+3.0	+6.6	+3.4	+3.1	+4.1
Export Oriented Enterprises	-12.3	+4.6	-21.2	-9.8	-8.4	-10.0	+1.3	+1.4	+6.2	+9.4

^{1/} revised estimates

Table 2 (cont'd) - Gross Domestic Product-sectoral growth rates (% over corresponding period of previous year), Q_1 2005 - Q_3 2008

	Annual growth rate		2007	7 ¹			2008	
	2007	Q1	Q2	Q3	Q4	Q1 ¹	Q2 ¹	Q3 ²
Agriculture, hunting, forestry and fishing	-7.4	-10.1	-10.9	-9.3	-1.5	+10.0	+3.7	+2.8
Sugarcane	-13.6	-13.6	-13.6	-13.6	-13.6	+5.5	+5.5	+5.5
Other	-1.1	-5.3	-7.8	-3.6	+10.0	8.0	+4.4	+3.6
Mining and quarrying	-9.1	-8.0	-3.6	-21.7	-1.7	+0.0	+0.0	+0.0
Manufacturing	+2.2	+0.5	+3.9	+5.6	+0.1	+4.7	+4.2	+1.3
Sugar	-13.6	-13.6	-13.6	-13.6	-13.6	+5.5	+5.5	+5.5
Food (exc sugar)	+4.0	-5.1	+7.6	+4.5	+7.3	+10.2	+9.1	+0.4
Textile	+8.5	+7.2	+12.0	+11.9	+3.2	+6.3	-0.3	-3.2
Other	-3.1	+2.8	-8.2	+0.4	-6.1	+2.9	+4.4	+3.2
Electricity , gas and water supply	+3.4	+0.8	+2.0	+3.0	+8.0	+4.5	+3.4	+5.8
Construction	+15.2	+30.2	+17.9	+8.0	+8.1	+15.8	+12.3	+10.6
Wholesale & retail trade; repair of motor vehicles, motorcycles, personal and household goods	+4.5	-5.3	-0.2	+14.1	+8.3	+6.9	+5.2	+4.2
Wholesale and retail trade	+4.4	-6.1	-0.5	+14.4	8.4	+6.9	+5.1	+4.0
Other	+6.7	+6.4	+5.0	+8.4	+7.1	+7.0	+6.6	+7.9
Hotels and restaurants	+14.0	+15.1	+22.7	+13.6	+7.9	+7.0	+3.1	+2.6
Transport , storage and communications	+7.6	+5.1	+7.1	+10.0	+8.2	+10.7	+7.8	+5.5
Financial intermediation	+7.5	+11.9	+6.6	+5.2	+7.0	+10.4	+9.7	+11.0
Insurance	+5.1	+5.2	+4.7	+5.1	+5.5	+4.8	+4.9	+5.1
Banks	+7.9	+14.0	+6.4	+5.3	+6.9	+13.3	+11.8	+14.7
Other	+11.2	+11.3	+10.9	+11.3	+11.2	+8.0	+8.0	+7.0
Real estate, renting and business activities	+7.6	+6.5	+7.7	+9.0	+7.2	+8.5	+6.8	+6.6
Owner occupied dwellings	+4.9	+2.1	+6.9	+6.5	+4.4	+6.5	+2.0	+2.5
Other	+10.0	+10.7	+8.4	+11.3	+9.7	+10.2	+11.1	+10.5
Public administration and defence; compulsory social security	+0.5	-0.7	+2.9	+1.2	-1.4	+3.0	+3.9	+0.2
Education	+2.5	+3.2	+3.1	+2.8	+1.1	+2.9	+2.8	+2.6
Health and social work	+4.6	+5.8	+2.1	+6.4	+4.2	+5.7	+6.7	+3.8
Other community, social and personal service activities and private households with employed persons	+8.0	+8.0	+8.5	+8.8	+6.7	+9.0	+8.8	+9.0
FISIM	+7.5	+13.6	+6.6	+3.5	+7.0	+10.9	+10.0	+11.0
Gross Domestic Product at basic prices	+5.4	+4.2	+5.4	+7.1	+4.7	+7.7	+6.0	+4.5
Taxes on products (net of subsidies)	+5.5	-3.3	+1.5	+15.2	+18.1	+9.2	+12.8	+1.3
Gross Domestic Product at market prices	+5.4	+3.5	+5.0	+7.8	+6.0	+7.8	+6.6	+4.2
Export Oriented Enterprises	+8.0	+5.8	+8.8	+11.7	+5.5	+13.2	+3.9	+0.2

Table 3 - Quarterly expenditure on Gross Domestic Product at current prices, Q $_{\rm 1}$ 2005 - Q $_{\rm 3}$ 2008

(R million)

	(Cumu	ear lated 4 eters)		200	05			200	•	R million)
	2005	2006	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Final consumption expenditure	154,715	174,845	36,615	37,348	37,752	43,000	41,412	41,998	42,860	48,575
Households	127,349	145,491	30,138	30,286	30,998	35,927	34,407	34,283	35,861	40,940
General Government	27,367	29,355	6,477	7,063	6,753	7,073	7,005	7,715	6,999	7,635
Gross domestic fixed capital formation	39,731	50,049	8,580	10,917	10,500	9,734	8,854	11,336	12,225	17,634
A. Building & construction work	23,489	26,705	5,279	6,222	5,810	6,177	5,438	6,737	6,972	7,557
Residential building	7,628	8,972	1,764	1,257	2,328	2,279	1,984	2,130	2,391	2,467
Non residential building	9,627	10,666	2,508	2,577	2,320	2,222	1,907	2,342	3,035	3,382
Other construction work	6,234	7,067	1,007	2,388	1,163	1,677	1,547	2,266	1,546	1,708
B. Machinery & equipment	16,242	23,344	3,300	4,695	4,690	3,557	3,416	4,599	5,253	10,077
Passenger car	2,327	2,497	518	631	563	616	616	649	595	638
Other transport equipment	1,866	7,620	295	586	526	459	480	509	452	6,180
Other transport equipment (excluding aircraft & marine vessel)	1,746	1,945	295	466	526	459	480	509	452	505
Other machinery and equipment	12,049	13,227	2,488	3,478	3,601	2,482	2,320	3,441	4,207	3,259
Change in inventories	2,029	4,734	-3,351	2,893	1,445	1,042	-1,422	2,286	2,122	1,748
Exports of goods and services	110,940	127,128	25,155	26,454	28,473	30,858	30,425	28,143	31,106	37,454
Goods (f.o.b)	63,219	74,037	12,909	14,640	17,865	17,805	15,933	17,356	19,137	21,611
Services	47,721	53,091	12,246	11,814	10,608	13,053	14,492	10,787	11,969	15,843
Less Imports of goods and services	122,067	150,429	24,880	32,654	31,643	32,890	31,823	34,712	36,757	47,137
Goods (f.o.b)	86,734	108,569	17,025	22,797	23,114	23,798	22,090	25,490	26,123	34,866
Services	35,333	41,860	7,855	9,857	8,529	9,092	9,733	9,222	10,634	12,271
Gross Domestic Product at market prices	185,349	206,328	42,118	44,959	46,526	51,745	47,446	49,051	51,556	58,274

^{1/} revised estimates

Table 3 (cont'd) - Quarterly expenditure on Gross Domestic Product at current prices, Q1 2005 - Q3 2008

(R million) Year 2007 1 2008 (Cumulated 4 quarters) $\mathbf{Q1}^{\,1}$ $Q3^2$ 2007 Q2 Q3 Q4 $Q2^{1}$ Q1 Final consumption expenditure 196,533 46,503 47,148 48,352 54,530 51,788 53,585 56,625 Households 165,789 39,207 39,066 40,864 46,652 44,091 45,234 47,815 General Government 30,744 7,295 8,082 7,488 7,878 7,697 8,351 8,810 16,528 Gross domestic fixed capital formation 59,170 12,289 13,821 14,723 18,337 14,756 16,266 A. Building & construction work 34,903 8,069 9,123 8,585 9,126 10,740 11,381 10,662 Residential building 10,579 2,911 2,294 2,550 2,824 3,273 3,615 3,480 Non residential building 17,794 3,577 4,542 4,791 4,884 5,444 5,355 5,772 6,530 1,581 2,287 1,419 2,023 2,411 1,409 Other construction work 1.244 B. Machinery & equipment 24,267 4,220 4,698 6,137 9,211 4,016 5,147 5,604 3,406 733 786 848 1.039 870 857 912 Passenger car 4,948 530 591 656 3,171 522 650 1,112 Other transport equipment $Other\ transport\ equipment$ (excluding aircraft & marine 530 591 656 656 522 650 512 2.433 vessel) Other machinery and equipment 15,913 2,957 3,321 4,634 5,001 2,625 3,640 3,580 Change in inventories 4,094 -3,398 4,915 4,078 1,298 1,279 2,853 4,711 33,318 138,530 Exports of goods and services 32,640 31,878 33,083 40,929 33,491 35,196 Goods (f.o.b) 69,708 15,478 16,614 17,580 20,036 14,311 15,917 18,249 Services 68,822 17,162 15,264 15,503 20,893 19,007 17,574 16,947 Less Imports of goods and services 162,867 35,011 38,101 41,406 48,349 41,613 44,315 46,010 Goods (f.o.b) 113,644 23,001 26,857 29,453 34,333 28,924 30,406 32,709 Services 49,223 12,010 11,244 11,953 14,016 12,689 13,909 13,301 **Gross Domestic Product at market** 235,460 53,023 56,045 59,667 66,726 61,102 64,001 66,155 prices

^{1/} revised estimates 2/ first estimates

 $Table~4~-~Expenditure~on~GDP~-~Growth~rates~(\%~over~corresponding~period~of~previous~year),~~Q_1~2005~-~Q_3~2008~$

	Anr growt			2005				200	6 ¹	
	2005	2006	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Final consumption expenditure	+7.1	+5.5	+8.2	+6.3	+7.5	+6.4	+6.0	+7.6	+5.1	+3.5
Households	+7.3	+5.9	+9.1	+5.9	+7.9	+6.4	+6.3	+8.2	+6.1	+3.3
General Government	+6.1	+3.8	+4.4	+8.0	+5.8	+6.0	+4.5	+5.4	+0.7	+4.7
Gross domestic fixed capital formation	-1.9	+19.0	-6.6	+1.0	+2.9	-4.7	+0.3	-0.5	+8.2	+59.2
A. Building & construction work	-5.3	+6.7	-2.8	-10.8	-5.1	-1.5	-1.5	+3.4	+11.0	+13.0
Residential building	-10.5	+10.3	-18.8	-38.5	-5.1	+25.1	+7.2	+61.2	-5.2	-0.2
Non residential building	-12.1	+3.9	+15.4	-16.1	-11.8	-28.2	-26.9	-12.8	+21.5	+41.1
Other construction work	+16.8	+6.3	-7.0	+28.6	+11.8	+23.9	+46.2	-9.7	+22.3	-6.4
B. Machinery & equipment	+3.4	+36.9	-11.8	+20.5	+13.6	-9.3	+3.0	-5.2	+5.1	+131.2
Passenger car	-14.1	+4.2	-1.5	+11.9	-39.3	-11.0	+16.0	-1.0	+3.9	-0.2
Other transport equipment	+2.8	+296.5	-6.0	-9.7	+29.3	+12.7	+64.7	-10.1	-12.5	+876.7
Other transport equipment (excluding aircraft & marine vessel)	+10.1	+8.1	-6.0	+9.1	+29.3	+12.7	+64.7	+9.1	-12.5	+8.7
Other machinery and equipment	+7.7	+3.1	-14.4	+29.9	+29.5	-12.3	-7.6	-5.2	+8.1	+18.1
Exports of goods and services	+10.6	+7.7	+1.2	+18.8	+10.8	+12.5	+16.5	-0.3	+2.8	+11.9
Goods (f.o.b)	+8.9	+10.1	-3.9	+12.4	+9.5	+16.9	+18.9	+11.1	+0.8	+12.0
Services	+13.0	+4.6	+7.1	+27.8	+13.0	+7.1	+14.0	-14.4	+6.1	+11.9
Less Imports of goods and services	+6.4	+9.3	-7.9	+20.0	+7.7	+5.6	+15.1	-5.6	+5.3	+24.3
Goods (f.o.b)	+5.5	+11.1	-7.8	+15.1	+9.5	+4.7	+16.7	-0.8	+2.5	+27.1
Services	+8.4	+5.1	-8.1	+33.7	+3.1	+8.2	+11.6	-16.9	+13.1	+17.0

^{1/} revised estimates

Table 4 (cont'd) - Expenditure on GDP - Growth rates (% over corresponding period of previous year), $Q_1\,2005$ - $Q_2\,2008$

	Annual growth rate		200)7 ¹			2008	
	2007	Q1	Q2	Q3	Q4	Q1 ¹	Q2 ¹	Q3 ²
Final consumption expenditure	+3.9	+3.1	+4.2	+5.6	+2.5	+4.2	+3.7	+3.0
Households	+4.5	+3.7	+5.1	+6.2	+3.2	+4.6	+4.4	+4.5
General Government	+0.8	+0.6	+0.8	+2.9	-0.9	+2.6	+0.6	-4.5
Gross domestic fixed capital formation	+8.6	+24.3	+9.7	+11.3	+1.5	+11.1	+13.8	+3.5
A. Building & construction work	+16.9	+32.9	+19.7	+9.7	+8.9	+18.8	+13.8	+12.1
Residential building	+5.5	+32.1	-4.8	-5.0	+2.5	-0.0	+44.0	+23.4
Non residential building	+49.2	+66.6	+71.2	+40.6	+30.8	+36.4	+7.4	+8.6
Other construction work	-17.4	-8.0	-10.7	-28.3	-25.6	+13.7	-3.8	+2.3
B. Machinery & equipment	-1.0	+12.1	-3.7	+13.1	-4.1	-1.8	+13.9	-6.3
Passenger car	+29.9	+15.5	+16.2	+34.7	+53.2	+13.2	+10.4	+8.2
Other transport equipment	-38.2	+6.1	+8.6	+33.8	-47.0	-5.8	+11.9	+83.6
Other transport equipment (excluding aircraft & marine vessel)	+19.1	+6.1	+8.6	+33.8	+22.7	-5.8	+11.9	-20.7
Other machinery and equipment	+14.6	+12.5	-9.6	+7.2	+53.6	-5.1	+15.1	-23.3
Exports of goods and services	+3.5	-3.3	+6.9	+2.4	+7.9	+2.1	+1.1	+7.2
Goods (f.o.b)	-10.6	-12.5	-9.9	-11.7	-8.6	-2.3	-1.2	+9.1
Services	+23.1	+6.8	+33.5	+24.8	+30.2	+6.0	+3.5	+5.0
Less Imports of goods and services	+2.1	-3.2	+1.5	+10.2	-0.4	+20.4	+5.6	-7.4
Goods (f.o.b)	-1.3	-8.4	-2.6	+10.5	-4.2	+27.6	+3.1	-7.5
Services	+10.9	+8.7	+13.0	+9.6	+10.5	+6.4	+11.8	-7.3

^{1/} revised estimates 2/ first estimates

Concepts, data sources and methods for compiling quarterly GDP estimates

1. Concepts and definitions

The quarterly estimates have been compiled according to guidelines provided in the IMF manual entitled "Quarterly National Accounts Manual – Concepts, Data sources and Compilation", which is itself based on the System of National Accounts 1993 (SNA 93) of the United Nations and are therefore consistent with annual estimates of the National Accounts.

2. Sources of data

The objective of the Quarterly National Accounts (QNA) is to provide the best indication of quarterly movements. Indicators for QNA have therefore been chosen according to their ability to capture the movements in the performance of the various sectors.

The main sources of data for compiling QNA estimates include quarterly production accounts of various organisations, quarterly surveys on income and expenditure among enterprises considered as drivers in specific sectors, quarterly quantity produced, quarterly expenditure of Government from the Accountant General Department, quarterly data from administrative sources such as building permits from local government, foreign trade data from the Customs Department, turnover data from the VAT systems, as well as some indirect indicators such as employment.

3. Methods used

When data on both output and input are available, the quarterly value added estimates are computed as the difference between the output and the intermediate consumption (inputs consumed in the process). When the quarterly output only is readily available or is compiled on the basis of quarterly data on quantity produced, the value added is computed using the production structure of the industry obtained at the latest Census of Economic Activities or from the latest annual production accounts available. When indicators on quarterly volume produced and price only are available, these are applied to the last quarterly value added figures to have the estimates for the quarter under review.

Constant price estimates take account of effects of prices and provide real growths. The constant price estimates are computed using the double deflation method for sectors where information on both inputs and outputs is available. In practice such data are difficult to obtain, hence 'proxy indicators' of volume changes are used if available, otherwise value series are deflated by an appropriate price index..

More details on the data sources and methods used for the different sectors are given in the table at section 5.

4. Seasonal adjusted quarterly GDP

The Central Statistics Office (CSO) of Mauritius has decided to increase its current outlay of statistical tables on National Accounts with the presentation of seasonally adjusted time series of quarterly national accounts estimates. However, at present only seasonally adjusted figures of value added by sector and total GDP are available. The methodology adopted in the seasonal adjustment exercise is briefly given below. Seasonally adjusted time series has historically been a common practice in analyzing business cycles. Currently this is widely use by a majority of statistical offices, central banks and policy analysts to describe and understand the most recent economic developments.

4.1 Procedures for seasonal adjustment of quarterly GDP

QNA data are subject to seasonal variations which are recurrent within a year pattern. For example, activities of "Wholesale and retail trade" are usually lowest in the first quarters, but highest in the fourth quarters in line with the high demand for consumption goods at the end of the year; activities of "Hotels and restaurants" are highest in the first and last quarters in line with high tourist arrivals during these quarters. For meaningful comparison of quarter to quarter growth, particularly for identifying turning points, the seasonal component must be removed from the data.

The procedures for carrying out the seasonal adjustment exercise are as follows:

- (i) The software, Demetra, developed by Eurostat and which includes the X-12 program has been used.
- (ii) Forward adjustment, instead of concurrent adjustment, has been used for quarterly series up to the most recently completed year, that is seasonal factors for the four quarters ahead are estimated using the X-12 procedure. When a new data point becomes available, the seasonally adjusted value of the new data point is obtained by dividing it by the appropriate forward factor if model is multiplicative or subtracting from it the appropriate forward factor if the underlying model is additive. The present seasonal adjustment exercise which was based on data from 2000 to 2007 will be repeated when data for the four quarters of 2008 will become available.
- (iii) Indirect adjustment, that is seasonally adjusted GDP obtained by summation of seasonally adjusted components of GDP, has been used for the aggregate GDP.
- (iv) Adjustments have been made so that the sums of quarterly seasonally adjusted data are equal to the original yearly totals.

It should be noted that different seasonal adjustment methods, no matter how carefully they have been implemented, do not always yield identitical results if applied to the same time series. In addition, even if the same seasonal adjustment method is applied, there may be substantial revisions, particular towards the end of the time series, when new data are included in the calculation and taking account of possible shifts in the seasonal movements. Consequently, seasonally adjusted data remain provisional for longer than unadjusted figures, which are also subject to revisions.

5. Data sources, methods and indicators used for the estimation of quarterly GDP

The table below gives the data sources and methods used for the estimation of quarterly GDP estimates at current and constant prices by both the production and expenditure approaches.

Production approach

Industry group	Data sources	Methods	Indicator - constant
		culture, Hunting & Forestry	price estimates
Sugar Cane	 Annual production and price of sugar. Final annual production accounts. Survey of sugar factories to have the quarterly cost structure. 	 Final estimates: Based on the final annual production accounts. Annual gross output and intermediate consumption are allocated to quarters according to cost structure of cane growing furnished by surveyed sugar factories. The value added is thereafter derived. Preliminary estimates: value added for the year based on expected production and price of sugar is quarterlised using the latest value added structure. Revision is made when final accounts are available about two years later. 	 Final estimates: deflation of the four quarterly estimates of the year by the price deflator of the annual estimate. Preliminary estimates: deflation of the four quarterly estimates of the year by the price of sugar for the year.

Industry group	Data sources	Methods	Indicator - constant price estimates
Tea and Tobacco	 Quarterly production and prices of tea from Tea Board. Quarterly production and prices of tobacco leaves from Tobacco Board. 	 Gross output based on quarterly production and prices. Value added based on annual production structure. 	- Deflation by component of Quarterly Producer Price Index-Agriculture (PPI-A).
Food crops	 Monthly quantities of food crops from Agricultural Research and Extension Unit (AREU). Retail prices through the monthly consumer price surveys. 	- Value added based on quarterly quantities of food crops produced and producers' price obtained from retail prices adjusted for transport and trade margins.	- Deflation by quarterly changes in the estimated producers' price based on retail prices.
Flowers and Fruits	 Quarterly exports of flowers from Trade Statistics supplemented by an estimate for local sales. Monthly production of some fruits from AREU. Quarterly production of other fruits based on the "1985 Survey of fruit trees in backyard" supplemented with data from other sources. 	- Value added based on quarterly sales/quantities produced and PPI-A component/producers' price obtained from retail prices adjusted for transport and trade margins.	- Deflation by components of quarterly PPI-A/quarterly changes in the estimated producers' price based on retail prices.
Livestock, Poultry and Related Products	 Quarterly production of poultry from main breeders. Monthly quantity of livestock slaughtered from the Mauritius Meat Authority (MMA) adjusted for illegal slaughtering. Retail prices. 	- Value added based on quarterly quantities produced and on producers' price obtained from retail prices adjusted for transport and trade margins.	- Deflation by quarterly changes in the estimated producers' price based on retail prices.
Government Services	- Expenditure of Central Government from the Accountant General Department.	- Value added is estimated at cost, that is, it is equal to compensation of employees and consumption of fixed capital.	- Deflation using a weighted index made up of quarterly wage rate index based on salary compensation, construction price index, price of transport equipment and machinery component of import price index.

Industry group	Data sources	Methods	Indicator - constant price estimates
		B. Fishing	
Fishing	- Quarterly quantities of fish caught from the Albion Fisheries Research Centre (AFRC) Retail prices.	- Value added based on quarterly quantities of fish caught and producers' price obtained from retail prices adjusted for trade margins.	- Deflation by quarterly changes in the estimated producers' price based on retail prices.
	(C. Mining & Quarrying	
Mining & Quarrying	- Quarterly quantities of salt produced and sand extracted, and their prices through surveys of establishments.	- Value added derived using data collected from quarterly surveys	- Deflation by change in producer prices.
	- Annual production accounts of decorative rocks through survey of establishments.	- Annual estimates of value added evenly distributed over the 4 quarters.	- Deflation by wage increase due to salary compensation of July of every year.
		D. Manufacturing	
Sugar Milling	 Annual production and price of sugar. Final annual production accounts. Survey of sugar factories to have the quarterly cost structure. 	 Final estimates: Based on the final annual production accounts; Annual gross output and intermediate consumption are allocated to quarters according to cost structure of sugar milling activities furnished by surveyed sugar factories. The value added is thereafter derived. Preliminary estimates: value added for the year based on expected production and price of sugar is quarterlised using the last quarterly value added structure. Revision is made when final accounts are available about two years later. 	 Final estimates: deflation of the four quarterly estimates of the year by the price deflator of the annual estimate. Preliminary estimates: deflation of the four quarterly estimates of the year by the price of sugar for the year.
EPZ	 Quarterly exports from Trade statistics. Quarterly turnover from the Value Added Tax (VAT) Department and the Large Taxpayers' Department (LTD). Level of stock from quarterly stock surveys. 	- Quarterly value added based on quarterly gross output compiled from these sources and last annual technical ratio.	- Volume index from Quarterly Index of Industrial Production (QIIP).
Non – EPZ	 Quarterly exports from Trade Statistics Quarterly turnover from the VAT and LTD Departments Production of excisable goods from Customs and Excise Department Level of stock from quarterly stock surveys 	 "Large" establishments (those with 10 persons or more engaged): Quarterly value added estimates based on quarterly gross output compiled from these sources and last annual technical ratio. Small establishments: Quarterly value added estimates based on the same quarterly trends as "Large establishments" 	- Volume index based on Quarterly Index of Industrial Production (QIIP) adjusted for small establishments.

- 22 -				
Industry group	Data sources	Methods	Indicator - constant price estimates	
E. Electricity, Gas & Water Supply				
Electricity, Gas & Water Supply	- Quarterly production accounts from CEB and CWA	- Value added compiled from quarterly accounts.	- Volume based on quarterly quantity of electricity and water sold.	
	 Quarterly production accounts of the IPP (available with one year lag) 	 Value added derived from the value of electricity purchased by CEB and quarterly technical ratio of the previous year. 	water sola.	
		F. Construction	•	
Construction	 Monthly building permits from Municipalities and District Councils Quarterly capital expenditure estimates of General Government from Accountant General Department Maintenance expenditure by Government based on quarterly output of the Ministry of Public Infrastructure from Accountant General Department Maintenance expenditure by households from latest Household Budget Survey 	- Quarterly output based on these sources and quarterly value added derived using the production structure obtained at the 2002 CEA.	- Deflation by quarterly Construction Price Index.	
G. Wholesale & Retail Trade, Repair of Motor Vehicles, Motorcycles, Personal & Household Goods				
Wholesale & Retail Trade	 Quarterly imports from Trade statistics Local production from Agriculture statistics and Industrial statistics 	 For imported goods, gross output based on trade margins computed from quarterly imports. For local production, gross output based on trends of production of food crops and production of the non-EPZ sector. Value added derived using the production structure obtained at the 2002 CEA. 	- Deflation by CPI.	
Repair Services		Annual estimates divided by 4.	- Deflation by CPI.	

Industry group	Data sources	Methods	Indicator - constant price estimates	
H. Hotels & Restaurants				
Hotels & Restaurants	 Quarterly tourist arrivals from Tourism statistics Quarterly tourist earnings from Bank of Mauritius Expenditure on food and accommodation by tourists from Survey of tourist expenditure 	 Gross output based on quarterly estimates of expenditure on food and accommodation derived from quarterly tourist earnings and pattern of expenditure of tourists. Value added is estimated using the production structure obtained from latest available annual production accounts. 	- Volume based on quarterly tourist arrivals.	
T 170	- I. Trans	port, Storage & Communication		
Bus	- Quarterly production accounts of bus companies from National Transport Authority (NTA)	- Value added compiled from quarterly accounts	- Double deflation using bus fare for output and relevant CPI components for inputs.	
Taxi	 Quarterly licences of taxi cars from NTA Taxi fares from monthly consumer price surveys. 	 Output based on the quarterly number of licences delivered and taxi fare. Value added derived using the production structure obtained at the 2002 CEA. 	- Double deflation using CPI relevant components for inputs and taxi fare for output.	
Lorries	 Quarterly tonnage of goods loaded and unloaded from Civil Aviation Department and Customs Department Lorry charges based on CEA and inflation. 	 Output based on the quarterly volume of goods transported and lorry charges. Value added derived using the structure obtained at the 2002 CEA. 	- Double deflation using relevant CPI components for both output and inputs.	
Water transport	- Quarterly number of passengers from Mauritius Shipping Corporation.	 The number of passengers and fares charged as per CPI are used to estimate quarterly output. Value added is derived using the production structure obtained at the 2002 CEA. 	- Volume based on number of passengers.	
Air transport	- Quarterly receipts and expenditure from Air Mauritius Ltd.	- Value added compiled from quarterly accounts	- Double deflation using airfare index for output and relevant CPI components for inputs.	

Industry group	Data sources	Methods	Indicator - constant price estimates
Services allied to transport	- Quarterly receipts and expenditure from Mauritius Ports Authority (MPA) and Cargo Handling Corporation (CHC).	- Value added compiled from quarterly accounts where available.	- Volume based on tonnage of goods loaded and unloaded.
	- Quarterly indicators such as aircraft landings and take offs, and tourist arrivals and Mauritian travelling abroad.	- For other activities, annual estimates are quarterlised using the quarterly indicators.	- Volume based on quarterly indicators.
Telecommunicati on services	- Quarterly receipts and expenditure of Mauritius Telecoms Ltd (MT).	- Value added compiled from quarterly accounts.	- Deflation by changes in the price of telephone calls.
		Financial Intermediation	cuiis.
Financial Intermediation	- Quarterly survey among all offshore and commercial banks, and insurance companies.	- Value added compiled from quarterly accounts.	 Banks: Double deflation using changes in interest rates for output and inflation for inputs Insurance sector: Volume based on changes in the number of vehicles.
	K. Real Esta	ate, Renting & Business Activities	
Ownership of dwellings	Number of housing units (Hu) from Housing Census Expenditure by household on rent from household budget survey.	Output based on imputed rent of owner occupied dwellings estimated as the product of number of Hu and rent per Hu. Value added is derived after deducting from the output, expenses on maintenance of residential buildings.	- Deflation by quarterly Construction Price Index.
Renting and Business services	 Trends in related sectors. Indirect indicators such as no. of cases lodged in court and tourist arrivals. 	This sector comprises units which offer their services to different activities, both offshore and onshore. Their output consequently follow that of the respective activity groups.	- Deflation by CPI.
L. Public Administration & Defence; Compulsory Social Security			
Public Administration and Defence; Compulsory Social Security	- Expenditure of Central Government from the Accountant General Department.	- Estimates are made at cost, that is, the gross output is equal to the purchase of goods and services, compensation of employees and consumption of fixed capital; value added is equal to compensation of employees and consumption of fixed capital.	Deflation using a weighted index made up of quarterly wage rate index based on salary compensation, construction price index, price of transport equipment and machinery component of import price index.

Industry group	Data sources	Methods	Indicator - constant price estimates	
M. Education services				
Education Services	- Expenditure of Ministry of Education from the Accountant General Department.	- Value added for education services provided by Government is estimated at cost, that is, it is equal to compensation of employees and consumption of fixed capital.	Deflation using a weighted index made up of quarterly wage rate index based on salary compensation, construction price index, price of transport equipment and machinery component of import price index.	
	 Annual data on enrolment from the Ministry of Education Enrolment from private schools and Industrial Vocational Training Board (IVTB) % change in fees charged for private tuition estimated from the sub-index for "Education" obtained from the CPI Unit 	 Private schools and IVTB: annual output is divided by 4. Private tuition fees: output based on ten months only (February to November) are quarterlised accordingly. 	Volume based on enrolment statistics.	
		Health and Social Work		
Health and Social Work	- Expenditure of Ministry of Health from the Accountant General Department.	- Value added for health services provided by Government is estimated at cost, that is, it is equal to compensation of employees and consumption of fixed capital.	- Deflation using a weighted index made up of quarterly wage rate index based on salary compensation, construction price index, price of transport equipment and machinery component of import price index.	
	 Annual production accounts of clinics. Quarterly data on admissions in clinics and hospitals from the Ministry of Health. No. of private medical practitioners from the Ministry of Health. Fees charged from monthly consumer price surveys. 	Annual value added for private health services are computed using available production accounts of clinics and supplemented with indicators on private practitioners. The estimates are quarterlised using quarterly data on admissions to clinics and hospitals.	- Deflation by CPI component.	

Industry group	Data sources	Methods	Indicator - constant price estimates	
	- O. Other Community, Social & Personal Services			
Sanitary Services	 Quarterly production accounts of Waste Water Authority. Quarterly surveys among a sample of private companies. 	- Value added compiled from quarterly accounts.	- Deflation by CPI.	
Amusement and Recreational Activities	- Monthly data from the VAT Department	 Quarterly gross output derived from the VAT returns. Value added estimated using technical coefficients obtained from latest available annual final production accounts. 	- Deflation by CPI.	
Personal Services.	 Quarterly turnover from the VAT department Demographic statistics such as births, deaths and marriages Tourist arrivals 	 Quarterly gross output derived from the VAT returns. Quarterly value added estimated using technical coefficients obtained from latest available annual final production accounts. For companies not registered at the VAT: annual estimates are quarterlised using indirect indicators such as quarterly number of births, deaths, marriages, and tourist arrivals. 	- Deflation by CPI.	
P. Private Households with Employed Persons				
Private households with employed persons	 Number of employees based on number of household with domestic employees as collected in Household Budget Surve (HBS). Wage Rate from monthly consumer price surveys. 	n y	- Deflation by wage increase due to salary compensation of July of every year.	

Data sources, methods and indicators used for the estimation of quarterly GDP Expenditure approach

Item	Sources & Methodology	Indicator – constant price estimates
Final Consumption Expenditure - Household (HH)	Annual estimates are quarterlised using Continuous Multi-Purpose Household Survey (CMPHS) and HBS structure adjusted for conceptual difference with national accounts.	- Deflation by CPI.
Final Consumption Expenditure – General Government	Government consumption expenditure is equal to the output (compensation of employees, consumption of capital and value of goods and services purchased) of General Government calculated at cost less goods or services sold plus expenditure on social benefits in kind. All data are available on a quarterly basis at the Accountant General Department, except consumption of capital, which is worked out by dividing the available annual estimate by 4.	- Deflation using a weighted index made up of quarterly wage rate index based on salary compensation, construction price index, price of transport equipment, machinery component of import price index and CPI.

Gross Domestic Fixed Capital Formation (GDFCF) Building and Construction			
Residential Building	Quarterly investment in residential buildings based on quarterly data on floor area from building permits (with a lag of 1 quarter) and quarterly Construction Price Index, together with quarterly data from National Housing Development Company (NHDC) and an estimate for projects for which no permit has been issued.	- Deflation by quarterly construction price index.	
Non-Residential Building and Other Construction Work	Quarterly investment in non-residential buildings and other construction work based on quarterly building permits for non-residential buildings (lag by one quarter) and quarterly Construction Price Index, work in progress of large projects and quarterly data on Government capital expenditure available from the Accountant General Department.		

Item	Sources & Methodology	Indicator – constant price estimates
Aircraft	Based on information provided by Air Mauritius Ltd	Exchange rate of the currency in which
Marine Vessel	Based on information provided by Mauritius Ports Authority (MPA)	asset is purchased.
Transport Equipment	Based on information on registered vehicles provided by National Transport Authority (NTA) classified as final consumption expenditure or investment according to purchasers. For transport equipment for which no registration is necessary, imports statistics are used.	- CPI component for car.
Other Machinery and Equipment.	Estimates are mostly based on quarterly Trade Statistics given that most of the machinery and equipment are imported. The imported machinery and equipment goods are brought to purchasers' prices by adding all duties and taxes, landing cost, transport cost and margins. Duties and taxes are available from Customs Department, landing cost from Mauritius Ports Authority while rates of transport and margin are based on the results of the 2002 CEA. Annual installation cost obtained through surveys is quarterlised according to the quarterly trend of concerned machinery. Local production of machinery is estimated from outputs of companies producing capital goods.	- Quarterly Import Price Index.

Exports and Imports	Data available from the Quarterly Balance of Payments (BOP) of	- Deflation using
of Goods and Services	the Bank of Mauritius (BOM).	quarterly import
		and export price
		indices.