Labour force, Employment and Unemployment – Second Quarter 2005

1. Introduction

This issue of Economic and Social Indicators presents a set of estimates of labour force, employment and unemployment for the second quarter of 2005, based on the results of the Continuous Multi-Purpose Household Survey (CMPHS) from April to June 2005.

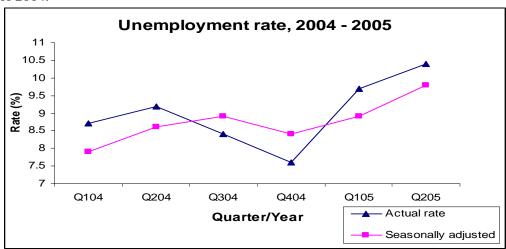
It is to be noted that, as from 2004, the Central Statistics Office is using the CMPHS for the measurement of labour force, employment and unemployment on a quarterly basis. The methodology of the CMPHS is given in Annex I. Annex II shows a series of comparable annual estimates of labour force, employment and unemployment for the period 2000 to 2005.

2. Main findings

- (i) The number of employed persons at the second quarter of 2005 was estimated at 482,700 and the number of unemployed at 56,100. Hence, the labour force worked out to 538,800.
- (ii) Unemployment rate for the second quarter of 2005 was 10.4% compared to 9.6% at the previous quarter and 9.2% at the corresponding quarter of the previous year. On the basis of data available for the first two quarters of 2005 and the trend observed since the first quarter of 2004, the estimated unemployment rate of 9.5% for 2005 is maintained.

It is to be noted that the unemployment rates are influenced by seasonal factors. Unemployment rate is usually higher in the first half of the year because of school leavers joining the labour market, and lower in the second half because of more casual jobs available mainly in the trade sector (street vendors, salespersons in shops, etc.) at the end of the year.

The seasonally adjusted unemployment rate for the second quarter of 2005 works out to 9.8% compared to 8.9% at the first quarter of 2005 and 8.6% at the second quarter of 2004.



(iii) The main characteristics of the unemployed at the second quarter of 2005 were:

- 12,700 (55%) unemployed males were below 25 years compared to 13,800 (41%) unemployed females.
- About half of the unemployed were single. Among males, the majority (17,400 or 76%) was single while among females, the majority (22,800 or 69%) was ever married (including widowed, divorced or separated).
- Some 11,300 (20%) had not passed the Certificate of Primary Education (CPE) examination or equivalent and a further 27,400 (49%) had not passed Cambridge School Certificate (SC) examination or equivalent.
- Around 32,700 (59%) had been looking for work for up to one year and 23,400 (41%) for more than one year.
- About 33,400 (60%) had worked before and 22,700 (40%) were looking for a job for the first time.
- Around 25,700 (46%) were registered at the Employment Service.
- Among the unemployed, there were 15,000 (27%) young persons aged 15 to 24 years, not yet married and looking for a first job. Some 7,300 (49%) of them had not passed SC.
- Ever married (including widowed, divorced or separated) unemployed persons aged 25 to 44 years and having worked before numbered 15,400. Among them 12,900 (84%) had not passed SC.
- 7,000 or 12 % of the unemployed were heads of households.
- 7,300 (13%) lived in households with no employed persons.

It is to be noted that the above estimates are based on small numbers in the sample and hence subject to larger margins of error.

3. Activity status of the population aged 15 years and over

In the second quarter of 2005, among the population aged 15 years and over, some 482,700 (52%) had a job, 56,100 (6%) were unemployed and 387,200 (42%) were inactive.

Standard errors and confidence intervals have been calculated for the main labour force estimates and are shown in Table 1 below.

Table 1 - Estimated labour force, employment, unemployment and inactive population by sex, 2nd quarter 2005

		2nd Quarter 2005				
	E-4:4	Standard	95% Confid	ence Interval		
	Estimates	Error	Lower Limit	Upper Limit		
Labour Force						
Both Sexes	538,800	9,100	520,900	556,700		
Male	347,800	5,500	337,000	358,600		
Female	191,000	6,100	178,900	203,000		
Employment						
Both Sexes	482,700	8,100	466,700	498,700		
Male	324,900	5,000	315,000	334,800		
Female	157,800	5,500	146,900	168,600		
Unemployment						
Both Sexes	56,100	3,300	49,700	62,600		
Male	22,900	2,000	19,000	26,800		
Female	33,200	2,300	28,700	37,700		
Inactive Population						
Both Sexes	387,200	9,800	367,900	406,600		
Male	108,000	4,900	98,400	117,600		
Female	279,200	6,700	266,100	292,300		
Activity rate (%)						
Both Sexes	58.2	0.9	56.4	60.0		
Male	76.3	0.9	74.5	78.1		
Female	40.6	1.2	38.2	43.1		
Unemployment rate (%)						
Both Sexes	10.4	0.5	9.3	11.5		
Male	6.6	0.5	5.5	7.6		
Female	17.4	1.1	15.3	19.5		

Table 2 shows quarterly and annual estimates of labour force, employment and unemployment for 2004 and 2005.

Table 2 - Estimated labour force, employment, unemployment and inactive population by sex, 2004 and 2005

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Year	1st Quarter	2nd Quarter	Year
	2004	2004	2004 1	2004 1	2004	2005 1	2005	2005 ²
Labour Force								
Both Sexes	541,100	540,700	526,800	523,500	532,100	537,300	538,800	541,100
Male	348,700	347,500	349,000	348,500	348,200	347,900	347,800	351,200
Female	192,400	193,200	177,800	175,000	183,900	189,400	191,000	189,900
Employment								
Both Sexes	494,100	491,200	483,300	483,800	487,000	485,800	482,700	489,900
Male	328,400	324,600	329,800	330,100	327,900	326,500	324,900	329,100
Female	165,700	166,600	153,500	153,700	159,100	159,300	157,800	160,800
Unemployment								
Both Sexes	47,000	49,500	43,500	39,700	45,100	51,500	56,100	51,200
Male	20,300	22,900	19,200	18,400	20,300	21,400	22,900	22,100
Female	26,700	26,600	24,300	21,300	24,800	30,100	33,200	29,100
Inactive Population								
Both Sexes	367,700	373,000	390,300	395,800	381,500	385,200	387,200	384,900
Male	98,800	102,400	102,500	104,000	101,600	106,100	108,000	104,600
Female	268,900	270,600	287,800	291,800	279,900	279,100	279,200	280,300
Activity rate (%)								
Both Sexes	59.6	59.2	57.4	56.9	58.2	58.2	58.2	58.4
Male	78.0	77.2	77.3	77.0	77.4	76.6	76.3	77.1
Female	41.7	41.7	38.2	37.5	39.7	40.4	40.6	40.4
Unemployment rate (%)								
Both Sexes	8.7	9.2	8.3	7.6	8.5	9.6	10.4	9.5
Male	5.8	6.6	5.5	5.3	5.8	6.2	6.6	6.3
Female	13.9	13.8	13.7	12.2	13.5	15.9	17.4	15.3

¹ Figures have been revised on the basis of revised quarterly population estimates

² Provisional

4 Employment

The number of persons at work during the second quarter of 2005 was estimated at 482,700 (324,900 males and 157,800 females). Employment sex ratio works out to approximately 2 males to 1 female.

4.1 Employment by industrial sector

Table 3 shows that, during the second quarter of 2005, the primary sector comprising agricultural and mining & quarrying industries, provided jobs to about 11% of the working population. The secondary sector, which includes manufacturing, electricity & water, and construction industries employed another 32%, and the tertiary sector which covers trade, hotels & restaurants, transport and all service industries, 57%.

Table 3 - Percentage distribution of the employed population by industrial sector and sex, 2nd quarter 2005

	2nd quarter 2005			
Industrial sector	Both Sexes	Male	Female	
	(%)	(%)	(%)	
Primary	10.8	10.7	11.0	
Secondary	32.5	34.4	28.7	
of which Manufacturing	21.2	17.9	27.9	
Construction	10.7	15.5	0.7	
Tertiary	56.7	54.9	60.3	
of which Wholesale and retail trade	12.7	12.1	13.9	
Education, health and social work	9.1	5.9	15.8	
Transport, storage and communications	8.1	10.6	2.9	
Public administration and defence	7.1	8.1	5.1	
Hotels and restaurants	7.1	7.4	6.4	
Total	100.0	100.0	100.0	

4.2 Employment by occupation

During the second quarter of 2005, the majority (37%) of the working population was employed as "skilled agricultural and fishery workers; craft and related trades workers; plant and machine operators and assemblers". They were followed by workers engaged in "elementary occupations" (21%), "service workers and shop market sales workers" (19%), legislators, senior officials and managers; professionals; technicians and associate professionals" (15%) and "clerks" (8%).

A sex-wise analysis shows that 44% of males were employed as "skilled agricultural workers and fishery workers; craft and related trades workers; plant and machine operators and assemblers" compared to only 24% among females. On the other hand, 14% of females were engaged in clerical duties compared to 5% males.

Table 4 - Percentage distribution of the employed population by occupation group and sex, 2nd quarter 2005

ISCO 1			2nd quarter 2005	
Major occupational	Occupation group	Both Sexes	Male	Female
group		(%)	(%)	(%)
1 - 3	Legislators, senior officials and managers; professionals; technicians and associate			
	professionals	15.0	13.6	17.9
4	Clerks	8.2	5.2	14.5
5	Service workers and shop and market sales workers	18.5	18.1	19.3
6 - 8	Skilled agricultural and fishery workers; craft and related trades workers; plant and			
	machine operators and assemblers	37.4	43.9	23.7
9	Elementary occupations	20.9	19.2	24.6
	Total	100.0	100.0	100.0

¹ International Standard Classification of Occupations

4.3 Employment status

During the second quarter of 2005, the majority, 80%, of workers were employees and the remaining 20% were working in their own or family enterprises as employers, own account workers or contributing family workers.

Table 5 - Percentage distribution of the employed population by employment status and sex, 2nd quarter 2005

	2nd quarter 2005				
Employment status	Both Sexes (%)	Female (%)			
Employer	2.7	3.7	0.8		
Own account worker	15.1	17.5	10.3		
Employee	79.8	78.1	83.0		
Contributing family worker	2.4	0.7	5.9		
Total	100.0	100.0	100.0		

The data for the second quarter of 2005 also show that the proportion of employees was higher among working women (83%) than among working men (78%) while the proportion of employers and own account workers was higher among men (21%) than among women (11%). Contributing family workers constituted about 6% of working women compared to about one per cent among working men (Table 5).

4.4 Hours of work

About 4% of employed persons did not work during the reference week, either because they were sick or on leave (Table 6). Some 53% reported having worked for more than 40 hours. Those workers were mostly in manufacturing enterprises (26%), wholesale & retail trade (15%), construction (11%) and hotels & restaurants (10%).

The average number of hours worked per week, including overtime but excluding all leaves and lunch time, was 40.4 hours (42.4 for men and 36.2 for women).

Table 6 - Percentage distribution of the employed population by sex and number of hours worked during the survey reference week, 2nd quarter 2005

	2nd quarter 2005				
Actual number of hours worked per week	Both Sexes	Male	Female		
	(%)	(%)	(%)		
0	3.7	3.7	3.8		
1 - 23	8.8	5.7	15.2		
24 - 40	34.1	32.1	38.0		
41 - 50	34.4	36.5	30.0		
51 and above	19.0	22.0	13.0		
Total	100.0	100.0	100.0		

5. Unemployment

The number of unemployed persons in the second quarter of 2005 is estimated at 56,100 (22,900 males and 33,200 females). The unemployment rate, defined as the percentage of the labour force that is unemployed, works out to 10.4% (6.6% for males and 17.4% for females). The 95% confidence interval for the overall unemployment rate is 9.3% to 11.5%. The seasonally adjusted rate works out to 9.8% (6.1% for males and 16.7% for females).

5.1 Age and sex

Table 7 shows that unemployed males were younger than unemployed females. Thus, 55% of the males were under 25 years compared to 41% for females. On the other hand, 41% of unemployed females were in the age bracket 25 to 39 years compared to 30% for males. The mean age of the unemployed works out to 27 years for males and 30 years for females.

Table 7 - Percentage distribution of the unemployed population by age and sex, 2nd quarter 2005

	2nd quarter 2005				
Age group (years)	Both Sexes	Male	Female		
	(%)	(%)	(%)		
Below 20	16.5	23.9	11.4		
20 - 24	30.6	31.4	30.0		
25 - 29	18.2	20.1	17.0		
30 - 39	18.3	10.0	24.0		
40 - 49	10.8	8.3	12.5		
50 & over	5.6	6.3	5.1		
Total	100.0	100.0	100.0		

5.2 Marital status

Table 8 - Percentage distribution of the unemployed population by marital status and sex, 2nd quarter 2005

	2nd quarter 2005				
Marital status	Both Sexes	Male	Female		
	(%)	(%)	(%)		
Married	43.9	21.3	59.4		
Widowed, divorced or separated	6.5	2.5	9.2		
Single	49.6	76.2	31.4		
Total	100.0	100.0	100.0		

Approximately 50% of the unemployed were single, 44% were married and the remaining 6% were widowed, divorced or separated. Unemployed males were mostly single (76%) while among females, 69% were ever married (including widowed, divorced or separated) and 31% single (Table 8).

5.3 Educational attainment

The data for the second quarter of 2005 show that among the unemployed, 20% had not passed CPE, and a further 49% had not passed SC. The proportions of unemployed with SC, HSC and tertiary education were 18%, 7% and 6% respectively (Table 9).

Table 9 - Percentage distribution of the unemployed population by educational attainment and sex, 2nd quarter 2005

		2nd quarter 2005				
Educational attainment	Both Sexes	Male	Female			
	(%)	(%)	(%)			
Primary	36.0	33.7	37.6			
Below CPE	20.2	20.4	20.1			
Passed CPE	15.8	13.3	17.5			
Secondary	58.3	61.2	56.4			
Below SC	33.0	34.9	31.7			
Passed SC	18.4	20.7	16.8			
Passed HSC	6.9	5.6	7.9			
Tertiary	5.7	5.1	6.0			
Total	100.0	100.0	100.0			

Analysis by sex shows that the proportion of the unemployed having only primary or lower secondary education, that is they had not reached the Cambridge School Certificate level was the same among males and females (69%). The proportion of unemployed having achieved Cambridge School Certificate was 21% among males and 17% among females; and corresponding figures for Cambridge Higher School Certificate holders were 6% and 8%.

5.4 Duration of unemployment

During the second quarter of 2005, 59% of the unemployed reported having been looking for work for up to one year and 41% for more than one year. Analysis by sex shows that unemployed women had been looking for work for longer periods than their male counterparts. About 47% of the unemployed females had been looking for work for more than a year compared to 33% of males.

Table 10 - Percentage distribution of the unemployed population by duration of unemployment and sex, 2nd quarter 2005

Duration of unemployment	2nd quarter 2005			
(months)	Both Sexes (%)	Female (%)		
Up to 12	58.6	66.7	52.8	
13 - 24	23.2	17.6	27.3	
More than 24	18.2	15.7	19.9	
Total	100.0	100.0	100.0	

5.5 Work experience

Around 60% of the unemployed had worked before while the remaining 40% were looking for a job for the first time. Among unemployed males, 56% had worked before while the corresponding proportion among females was 62%.

5.6 Job search

As regards job search, some of the unemployed had recourse to more than one method. During the second quarter of 2005, the most common method of job search was "checked at factories, worksites, etc.", reported by 54%, followed by "applied to prospective employers", reported by 51%. Around 46% were registered at the Employment Service. Only 7% had taken steps to start a business of their own (Table 11).

Table 11 - Percentage distribution of the unemployed population by main job search method and sex, 2nd quarter 2005

	2nd quarter 2005				
Main job search method	Both Sexes (%)	Male (%)	Female (%)		
Checked at factories, worksites, etc.	54.0	57.8	51.3		
Applied to prospective employers	51.2	55.2	48.4		
Registration at Employment Service	45.7	49.2	43.3		
Sought assistance or advice	28.0	33.7	24.1		
Placed or answered advertisements	25.2	24.8	25.5		
Tried to set up own business	6.9	10.0	4.8		

6 Inactive population

The number of persons aged 15 years and over, not forming part of the labour force (inactive population) was estimated at 387,200 (108,000 males and 279,200 females). This inactive population comprised 162,600 (42%) homemakers, 103,100 (27%) retired or old persons, 83,200 (21%) students, and 24,000 (6%) sick or disabled persons.

Table 12 - Percentage distribution of the inactive population by sex, 2nd quarter 2005

	2nd quarter 2005				
Activity status	Both Sexes	Male	Female		
	(%)	(%)	(%)		
Homemakers	42.0	0.6	58.0		
Retired or old persons	26.6	43.1	20.3		
Students	21.5	41.2	13.9		
Sick or disabled persons	6.2	10.2	4.7		
Other	3.7	4.9	3.1		
Total	100.0	100.0	100.0		

The male inactives comprised 57,500 (53%) old, retired or disabled persons and 44,500 (41%) students. Inactive females were mostly homemakers (162,000 or 58%), followed by 69,600 (25%) old, retired, or disabled persons and 38,700 (14%) students.

The inactives also included some 7,400 persons not interested to work, among whom 4,700 were aged 15 to 19 years.

Another 3,400 were classified as inactive although they were not working and were available for work because they were not actively looking for work Those persons have been classified as inactive and not as unemployed since they do not satisfy all the three criteria for unemployment (i.e. not working, looking for work and available for work). From the survey responses, 69% of those 3,400 persons believed that suitable jobs were not available or they did not know where to look for work.

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October 2005

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Methodology of the Continuous Multi-Purpose Household Survey

Data collection Face to face interviewing of household members.

Frequency of data collection Monthly except in 2004 when data collection was carried out every

quarter. The reference period for data on labour force is the last

week of the survey month.

Scope and coverage of collection Private mauritian households in the islands of Mauritius and

Rodrigues.

Sampling method Stratified two-stage sampling design. At the first stage, Primary

> Sampling Units (PSUs) are selected with probability proportional to size and at the second stage, a fixed number of households is selected from each selected PSU. Prior to 2005, the first stage stratification factors were urban, semi urban and rural geographical locations. As from 2005, the Relative Development Index (RDI) is used as the spatial stratification factor. This index is based on 12 variables encompassing housing and living conditions, literacy and education, and employment derived from the 2000 Housing and Population Census to rank PSUs. A set of RDIs for administrative regions has been published in the series "Economic and Social

Indicators" - Issue No. 393.

The second stage stratification criteria are community, household

size and average monthly expenditure of the household.

Sample size From 1999 to 2003, around 6,500 households were covered each

year. In 2004, the sample was increased to 8,640 so that reliable quarterly estimates of labour force, employment and unemployment could be worked out. In 2005, the sample for the year has been further increased to 11,280. Furthermore, 50% of the households sampled in the first quarter have been re-interviewed in the second

quarter.

Questionnaire The CMPHS questionnaire comprises three modules: a basic

module common to all rounds of the survey covering the general characteristics of the population, one or more special topic modules dealing with subjects requiring in-depth investigation and a third module grouping other topics of interest but investigated in less

details.

Every year different topics are covered according to users' needs. As from 2004, the CMPHS is also being used as the instrument for the measurement of labour force, employment and unemployment on a quartely basis; hence, a set of core questions on the labour force has been included and will be kept constant at all rounds of the survey.

Estimation and reliability of results Estimates worked out from households survey data are inevitably subject to sampling variability since they are based on information collected from only a sample of households rather than from all households. The Standard Error (S.E) which is a measure of this variability, is used to set confidence intervals for any estimate (whether a total or a rate) derived from the sample. For example, a 95% confidence interval indicates that there is 95% chance that the upper and lower limits of the interval enclose the true value (which would be obtained if all households had been surveyed). Standard errors and confidence intervals are calculated for the main labour force estimates.

Definitions used

Definitions of labour force, employment and unemployment used are according to the ILO recommendations. The labour force or active population (aged 15 years and over) is made up of the employed and the unemployed populations. The employed population consists of persons who are working while the unemployed population consists of persons who are not working but who are looking for work and are available for work. The inactive population (aged 15 years and over) is neither employed nor unemployed and consists mainly of students, homemakers, retired persons and the disabled.

Activity rate is defined as the percentage of the Mauritian population aged 15 years and over who is active (employed or unemployed). Unemployment rate is the percentage of the Mauritian labour force that is unemployed.

Labour force, Employment and Unemployment, 15 years and over, 2000 - 2005

(000')

	Labour force			Employment ¹			Unemployment	
Year	Mauritian	Foreign workers	Total	in large establishments ²	outside large establishments	Total	Number	Rate ³ (%)
Both sexes		Workers		CStabilishments	CStabilishments			(/0)
2000	505.2	14.6	519.8	297.7	188.2	485.9	33.9	6.7
2001	512.5	16.5	529.0	301.0	192.6	493.6	35.4	6.9
2002	514.2 4	17.0	531.2	296.2	197.6	493.8	37.4	7.3
2003	522.7	18.2	540.9	295.9	204.5	500.4	40.5	7.7
2004	532.1	17.5	549.6	292.3	212.2	504.5	45.1	8.5
2005 5	541.1	16.2	557.3	291.4	214.7	506.1	51.2	9.5
Male								
2000	336.2	5.0	341.2	187.2	136.0	323.2	18.0	5.4
2001	339.5	5.8	345.3	188.0	138.4	326.4	18.9	5.6
2002	340.5 4	6.4	346.9	187.9	140.7	328.6	18.3	5.4
2003	344.2	7.9	352.1	187.9	144.5	332.4	19.7	5.7
2004	348.2	9.0	357.2	188.8	148.1	336.9	20.3	5.8
2005 5	351.2	8.7	359.9	188.2	149.6	337.8	22.1	6.3
Female								
2000	169.0	9.6	178.6	110.5	52.2	162.7	15.9	9.4
2001	173.0	10.7	183.7	113.0	54.2	167.2	16.5	9.5
2002	173.7 4	10.6	184.3	108.3	56.9	165.2	19.1	11.0
2003	178.5	10.3	188.8	108.0	60.0	168.0	20.8	11.7
2004	183.9	8.5	192.4	103.5	64.1	167.6	24.8	13.5
2005 5	189.9	7.5	197.4	103.2	65.1	168.3	29.1	15.3

¹ Includes foreign workers

² Average of March and September figures

³ Unemployment as a percentage of Mauritian labour force

⁴ The low increase results from the implementation of the

Voluntary Retirement Scheme (VRS) in the sugar industry

⁵ Provisional