## Labour force, Employment and Unemployment - First Quarter 2009

## 1. Introduction

This issue of Economic and Social Indicators presents a set of estimates of labour force, employment and unemployment for the first quarter of 2009, based on the results of the Continuous Multi-Purpose Household Survey (CMPHS) from January to March 2009. The estimates refer to the Mauritian population aged 16 years and above.

As from 2004, the Central Statistics Office (CSO) is using the CMPHS for the measurement of quarterly labour force, employment and unemployment. The methodology of the CMPHS and the definition of terms used are given at Annex I. Annex II shows a series of comparable annual estimates of labour force, employment and unemployment for the period 2001 to 2009.
It is to be noted that all estimates in this report are subject to sampling error that tends to be relatively large when the sample numbers are small.

## 2. Key points

## Actual estimates - change from fourth quarter of 2008 to first quarter 2009

(i) Employment of Mauritians decreased by 14,300 to 518,000 .
(ii) Unemployment increased by 9,900 to 44,900 .
(iii) Unemployment rate increased from $6.2 \%$ to $8.0 \%$.

## Actual estimates - change from first quarter of 2008 to first quarter of 2009

(i) Employment of Mauritians increased by 9,800 to 518,000 .
(ii) Unemployment decreased by 700 to 44,900 .
(iii) Unemployment rate decreased from $8.2 \%$ to $8.0 \%$.

## Seasonally adjusted estimates

(i) Seasonally adjusted unemployment rate increased from $7.0 \%$ to $7.4 \%$ between the fourth quarter of 2008 and first quarter of 2009.
(ii) Seasonally adjusted unemployment rate decreased from $7.6 \%$ to $7.4 \%$ between the first quarter of 2008 and the first quarter of 2009.

## Year 2009

(i) Employment of Mauritians is expected to increase by 3,700 from 519,000 in 2008 to 522,700 in 2009.
(ii) Unemployment is expected to increase by 4,800 from 40,400 in 2008 to 45,200 in 2009.
(iii) Unemployment rate is expected to increase from $7.2 \%$ in 2008 to $8.0 \%$ in 2009.

Unemployment rate is influenced by seasonal factors. It is usually higher in the first half of the year because of school leavers joining the labour market, and lower in the second half with more casual jobs being available mainly in the trade sector (street vendors, salespersons in shops, etc.) at the end of the year. In order to observe the real trend over time, it is more relevant to remove the seasonal fluctuations from the time-series. Based on the quarterly data for the period first quarter 2001 to first quarter 2009, the seasonally adjusted unemployment rates obtained are presented in Table 1 (from first quarter 2008 to first quarter 2009) and Chart 1.

Table 1 - Actual and seasonally adjusted quarterly unemployment rates, $\mathbf{Q}_{1} 2008$ - $\mathbf{Q}_{1} 2009$

| Unemployment <br> rate (\%) | 2008 |  |  |  | 2009 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1st Qr | 2nd Qr | 3rd Qr | 4th Qr | Year | 1st Qr |
| Actual | 8.2 | 7.4 | 7.2 | 6.2 | $\mathbf{7 . 2}$ | 8.0 |
| Seasonally <br> adjusted | 7.6 | 6.9 | 7.5 | 7.0 | $\mathbf{7 . 2}$ | 7.4 |

## Chart 1 - Actual and seasonally adjusted unemployment rates, $Q_{1} 2004$ - $\mathbf{Q}_{1} 2009$



## 3. Characteristics of the unemployed

The main characteristics of the unemployed at the first quarter of 2009 were:
(i) The 44,900 unemployed comprised 17,800 males ( $40 \%$ ) and 27,100 females ( $60 \%$ ).
(ii) Around 17,900 (9,700 males and 8,200 females) or about $40 \%$ of the unemployed were below 25 years.
(iii) About half $(22,500)$ of the unemployed were single. Among males, the majority $(78 \%)$ was single while among females, the majority ( $68 \%$ ) was ever married (including widowed, divorced or separated).
(iv) Some 9,900 or $22 \%$ had not reached the Certificate of Primary Education (CPE) level or equivalent and a further 20,600 (46\%) did not have the Cambridge School Certificate (SC) or equivalent.
(v) Around 36,700 (81\%) had been looking for work for up to one year and the remaining 8,200 (19\%) for more than one year.
(vi) About 29,500 (66\%) had working experience and 15,400 (34\%) were looking for a job for the first time.
(vii) Around 15,100 (34\%) were registered at the Employment Service.
(viii) There were 9,400 (21\%) young persons aged 16 to 24 years, not yet married and looking for a first job. Some 3,600 (38\%) of them had not passed SC.
(ix) Ever married (including widowed, divorced or separated) unemployed persons aged 25 to 44 years and having worked before numbered 12,000 . Among them, about 9,700 (81\%) had not passed SC.
(x) 5,700 or $13 \%$ of the unemployed were heads of households.
(xi) $7,700(17 \%)$ lived in households with no employed persons.

## 4. Activity status of the population aged 16 years and over

Among the 953,700 persons aged 16 years and over in the first quarter of 2009, about 562,900 or $59 \%$ were economically active, with 518,000 ( $54 \%$ ) employed and 44,900 (5\%) unemployed. The remaining $390,800(41 \%)$ persons were inactive. The estimates for the corresponding quarter of 2008 were $508,200(54 \%)$ employed, $45,600(5 \%)$ unemployed and $386,300(41 \%)$ inactive persons.

Standard errors and confidence intervals have been calculated for the main labour force estimates and are shown in Table 2.

Table 2 - Estimated labour force, employment, unemployment and inactive population by sex, $1^{\text {st }}$ quarter 2008 \& 2009


Table 3 shows quarterly and annual estimates of labour force, employment and unemployment for 2008 and 2009.

Table 3 - Quarterly estimates of labour force, employment, unemployment and inactive population by sex, 2008-2009

|  | $\begin{aligned} & \text { 1st Quarter } \\ & 2008 \end{aligned}$ | $\begin{gathered} \text { 2nd Quarter } \\ 2008 \end{gathered}$ | $\begin{gathered} \text { 3rd Quarter } \\ 2008 \end{gathered}$ | $\begin{aligned} & \text { 4th Quarter } \\ & 2008 \end{aligned}$ | $\begin{aligned} & \text { Year } \\ & 2008 \end{aligned}$ | $\begin{aligned} & \text { 1st Quarter } \\ & 2009 \end{aligned}$ | $\begin{gathered} \text { Year } \\ 2009{ }^{1} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Labour Force |  |  |  |  |  |  |  |
| Both Sexes | 553,800 | 559,100 | 558,800 | 567,300 | 559,400 | 562,900 | 567,900 |
| Male | 352,800 | 355,100 | 353,900 | 358,000 | 355,600 | 355,300 | 358,800 |
| Female | 201,000 | 204,000 | 204,900 | 209,300 | 203,800 | 207,600 | 209,100 |
| Employment |  |  |  |  |  |  |  |
| Both Sexes | 508,200 | 518,000 | 518,600 | 532,300 | 519,000 | 518,000 | 522,700 |
| Male | 334,900 | 341,500 | 339,700 | 346,700 | 341,000 | 337,500 | 342,700 |
| Female | 173,300 | 176,500 | 178,900 | 185,600 | 178,000 | 180,500 | 180,000 |
| Unemployment |  |  |  |  |  |  |  |
| Both Sexes | 45,600 | 41,100 | 40,200 | 35,000 | 40,400 | 44,900 | 45,200 |
| Male | 17,900 | 13,600 | 14,200 | 11,300 | 14,600 | 17,800 | 16,100 |
| Female | 27,700 | 27,500 | 26,000 | 23,700 | 25,800 | 27,100 | 29,100 |
| Inactive Population |  |  |  |  |  |  |  |
| Both Sexes | 386,300 | 384,200 | 387,700 | 382,500 | 385,600 | 390,800 | 389,800 |
| Male | 109,300 | 108,600 | 111,300 | 108,700 | 108,900 | 113,100 | 111,500 |
| Female | 277,000 | 275,600 | 276,400 | 273,800 | 276,700 | 277,700 | 278,300 |
| Activity rate (\%) |  |  |  |  |  |  |  |
| Both Sexes | 58.9 | 59.3 | 59.0 | 59.7 | 59.2 | 59.0 | 59.3 |
| Male | 76.3 | 76.6 | 76.1 | 76.7 | 76.6 | 75.9 | 76.3 |
| Female | 42.1 | 42.5 | 42.6 | 43.3 | 42.4 | 42.8 | 42.9 |
| Unemployment rate (\%) |  |  |  |  |  |  |  |
| Both Sexes | 8.2 | 7.4 | 7.2 | 6.2 | 7.2 | 8.0 | 8.0 |
| Male | 5.1 | 3.8 | 4.0 | 3.2 | 4.1 | 5.0 | 4.5 |
| Female | 13.8 | 13.5 | 12.7 | 11.3 | 12.7 | 13.1 | 13.9 |

${ }^{1}$ forecast

## 5. Employment

The number of employed persons during the first quarter of 2009 was estimated at 518,000 with 337,500 males and 180,500 females (Table 2). Employment sex ratio remained at approximately 2 males to 1 female.

### 5.1 Employment by industrial sector

As shown in Table 4, during the first quarter of 2009, the primary sector comprising agriculture, and mining \& quarrying, employed nearly $10 \%$ of the working population. The secondary sector, which includes manufacturing, electricity \& water and construction, employed nearly $30 \%$, and the tertiary sector, which covers trade, hotels \& restaurants, transport and all the other service industries, the remaining $61 \%$.

Table 4 - Percentage distribution of the employed population by industrial sector and sex, 1st quarter 2008 \& 2009

| Industrial sector | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both Sexes (\%) | Male <br> (\%) | Female (\%) | Both Sexes (\%) | Male <br> (\%) | Female (\%) |
| Primary | 8.0 | 8.6 | 7.0 | 9.6 | 9.8 | 9.2 |
| Secondary | 33.1 | 36.0 | 27.5 | 29.7 | 32.1 | 25.2 |
| of which Manufacturing | 20.8 | 18.2 | 26.0 | 18.8 | 15.9 | 24.2 |
| Construction | 11.4 | 16.7 | 1.2 | 10.1 | 15.0 | 0.7 |
| Tertiary | 58.9 | 55.4 | 65.5 | 60.7 | 58.1 | 65.6 |
| of which Wholesale and retail trade | 13.6 | 13.1 | 14.7 | 13.9 | 13.3 | 15.0 |
| Hotels and restaurants <br> Transport, storage and | 7.4 | 7.4 | 7.3 | 6.4 | 6.3 | 6.6 |
| communications | 7.7 | 9.9 | 3.3 | 8.0 | 10.8 | 2.7 |
| Public administration and defence | 6.9 | 8.2 | 4.5 | 6.6 | 7.5 | 4.9 |
| Education, health and social work | 9.5 | 6.4 | 15.4 | 9.3 | 6.4 | 14.9 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

### 5.2 Employment by occupation

During the first quarter of 2009 , around $35 \%$ of the working population were employed as "skilled agricultural and fishery workers or craft and related trade workers; plant and machine operators and assemblers". Workers engaged in "elementary occupations" and "service workers and shop and market sales workers" accounted for $20 \%$ and $19 \%$ of the workforce respectively. The remaining consisted of "legislators, senior officials and managers; professionals; technicians and associate professionals" (16\%) and "clerks" (10\%).

Analysis by sex shows that $43 \%$ 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 $21 \%$ among females. On the other hand, $17 \%$ of females were engaged in clerical duties compared to $6 \%$ of males.

Table 5-Percentage distribution of the employed population by occupation group and sex, $1^{\text {st }}$ quarter 2008 \& 2009

| ISCO ${ }^{1}$ | Occupation group | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Major occupational group |  | Both <br> Sexes <br> (\%) | Male <br> (\%) | Female (\%) | Both <br> Sexes <br> (\%) | Male <br> (\%) | Female (\%) |
| 1-3 | Legislators, senior officials and managers; professionals; technicians and associate professionals | 15.1 | 13.0 | 19.0 | 16.5 | 15.1 | 19.2 |
| 4 | Clerks | 9.6 | 6.0 | 16.3 | 9.7 | 5.7 | 17.2 |
| 5 | Service workers and shop and market sales workers | 18.6 | 16.9 | 22.0 | 18.5 | 17.0 | 21.3 |
| 6-8 | Skilled agricultural and fishery workers; craft and related trade workers; plant and machine operators and assemblers | 36.7 | 45.0 | 20.8 | 35.4 | 43.3 | 20.7 |
| 9 | Elementary occupations | 20.0 | 19.1 | 21.9 | 19.9 | 18.9 | 21.6 |
|  | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

## ${ }^{1}$ International Standard Classification of Occupations

### 5.3 Employment status

In the first quarter of 2009 , the majority or $80 \%$ of workers were employees and the remaining $20 \%$ were working on their own or in family enterprises with $18 \%$ as either employers or own account workers and $2 \%$ as contributing family workers (Table 6).

Table 6 - Percentage distribution of the employed population by employment status and sex, $1^{\text {st }}$ quarter 2008 \& 2009

| Employment status | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Both <br> Sexes <br> $\mathbf{( \% )}$ | Male <br> $\mathbf{( \% )}$ | Female <br> $(\%)$ | Both <br> Sexes <br> $(\%)$ | Male <br> $(\%)$ | Female <br> $(\%)$ |
| Employer | 3.0 | 4.0 | 1.0 | 3.6 | 4.7 | 1.8 |
| Own account worker | 15.1 | 17.2 | 11.0 | 14.2 | 16.3 | 10.3 |
| Employee | 80.1 | 78.1 | 84.1 | 80.2 | 78.3 | 83.5 |
| Contributing family worker | 1.8 | 0.7 | 3.9 | 2.0 | 0.7 | 4.4 |
| Total | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ |

Analysis by sex shows that the proportion of employees was slightly higher among working women ( $84 \%$ ) than among working men ( $78 \%$ ), while the proportion of employers and own account workers was higher among men ( $21 \%$ ) than among women ( $12 \%$ ).

### 5.4 Hours of Work

Table 7, on distribution of employment by hours worked, shows that some $4 \%$ of employed persons did not work during the reference week because they were sick or on leave. Another $43 \%$ reported having worked for more than 40 hours.

Table 7 - Percentage distribution of the employed population by sex and number of hours worked during the survey reference week, $1^{\text {st }}$ quarter $2008 \& 2009$

| Actual number of hours worked per week | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline \text { Both } \\ & \text { Sexes } \end{aligned}$ (\%) | Male <br> (\%) | Female (\%) | Both Sexes (\%) | Male <br> (\%) | Female (\%) |
| 0 | 3.4 | 3.4 | 3.2 | 3.6 | 3.7 | 3.2 |
| 1-23 | 8.8 | 6.0 | 14.3 | 9.0 | 6.0 | 14.7 |
| 24-40 | 43.7 | 42.0 | 47.5 | 44.1 | 42.7 | 46.6 |
| 41-50 | 29.8 | 31.7 | 25.9 | 28.9 | 30.3 | 26.4 |
| 51 and above | 14.3 | 16.9 | 9.1 | 14.4 | 17.3 | 9.1 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

The average number of hours worked per week, including overtime but excluding all leaves and lunch time, was 39.5 with men reporting having worked 41.6 hours on average and women, 35.7 hours.

## 6. Unemployment

The number of unemployed persons in the first quarter of 2009 is estimated at 44,900 comprising 17,800 males and 27,100 females (Table 2). The unemployment rate, defined as the percentage of unemployed in the labour force, works out to $8.0 \%$ ( $5.0 \%$ for males and $13.1 \%$ for females). The $95 \%$ confidence interval for the overall unemployment rate is $7.0 \%$ to $8.9 \%$. The seasonally adjusted rate works out to $7.4 \%$ with the rate being $4.6 \%$ for males and $12.2 \%$ for females.

### 6.1 Age and sex

From Table 8, it is observed that $55 \%$ of the males were under 25 years compared to $30 \%$ for females. On the other hand, $49 \%$ of unemployed females were in the age bracket 25 to 39 years compared to $32 \%$ for males. However, the mean age of the unemployed works out to 27 years for males and 30 years for females.

Table 8 - Percentage distribution of the unemployed population by age and sex, 1st quarter 2008 \& 2009

| Age group (years) | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both Sexes $\qquad$ | Male (\%) | Female (\%) | Both Sexes $\qquad$ | Male <br> (\%) | Female (\%) |
| Below 20 | 14.3 | 17.2 | 12.4 | 17.0 | 20.4 | 14.8 |
| 20-24 | 24.4 | 34.9 | 17.7 | 22.9 | 34.1 | 15.6 |
| 25-29 | 16.2 | 16.1 | 16.2 | 19.7 | 16.9 | 21.6 |
| 30-39 | 23.7 | 10.8 | 31.9 | 22.8 | 15.4 | 27.6 |
| 40-49 | 13.3 | 9.0 | 16.2 | 10.9 | 7.3 | 13.3 |
| 50 \& over | 8.1 | 12.0 | 5.6 | 6.7 | 5.9 | 7.1 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

### 6.2 Marital status

Out of the total number of persons who were unemployed, nearly $50 \%$ were single and around $42 \%$ were married. Unemployed males were mostly single ( $78 \%$ ) whilst unemployed females were mostly ever married ( $68 \%$ ), i.e, currently married, widowed, divorced or separated (Table 9).

Table 9 - Percentage distribution of the unemployed population by marital status and sex, $1^{\text {st }}$ quarter 2008 \& 2009

| Marital status | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both Sexes <br> (\%) | Male <br> (\%) | Female (\%) | Both Sexes (\%) | Male <br> (\%) | Female (\%) |
| Married | 47.8 | 23.1 | 63.8 | 42.4 | 20.8 | 56.5 |
| Widowed, divorced or separated | 6.3 | 3.8 | 7.9 | 7.5 | 1.4 | 11.4 |
| Single | 45.9 | 73.1 | 28.3 | 50.1 | 77.8 | 32.1 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

### 6.3 Educational attainment

From Table 10, it is observed that in the first quarter of $2009,22 \%$ of the unemployed had not reached the Certificate of Primary Education (CPE) level, and a further $46 \%$ did not possess the Cambridge School Certificate (SC). The proportion with SC as highest educational attainment was $20 \%$ and that with Higher School Certificate (HSC) $6 \%$. The number of unemployed having studied up to the tertiary level represented nearly $6 \%$.

Table 10 - Percentage distribution of the unemployed population by educational attainment and sex, $1^{\text {st }}$ quarter 2008 \& 2009

| Educational attainment | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both Sexes $(\%)$ | Male (\%) | Female (\%) | Both Sexes $(\%)$ | Male <br> (\%) | Female (\%) |
| Primary | 29.8 | 29.9 | 30.0 | 31.8 | 33.7 | 30.5 |
| Below CPE | 21.7 | 24.6 | 19.9 | 22.1 | 25.3 | 19.9 |
| Passed CPE | 8.1 | 5.3 | 10.1 | 9.7 | 8.4 | 10.6 |
| Secondary | 65.1 | 62.8 | 66.3 | 62.6 | 58.8 | 65.1 |
| Forms I - V but not passed SC | 33.2 | 31.0 | 34.5 | 36.2 | 39.9 | 33.8 |
| Passed SC | 22.3 | 19.8 | 23.8 | 20.3 | 13.2 | 25.0 |
| Passed HSC | 9.6 | 12.0 | 8.0 | 6.1 | 5.7 | 6.3 |
| Tertiary | 5.1 | 7.3 | 3.7 | 5.6 | 7.5 | 4.4 |
| Total | 100.0 | 100.0 | 100.0 | 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 SC level, was higher for males (74\%) than for females ( $64 \%$ ). The proportion of unemployed having achieved SC was $13 \%$ for males and $25 \%$ for females.

### 6.4 Duration of unemployment

During the first quarter of 2009 , about $81 \%$ of the unemployed reported being without a job for up to one year. Analysis by sex shows that women were unemployed for longer periods than their male counterparts. The proportion of unemployed females looking for work for more than a year was $24 \%$ compared to $11 \%$ for males.

Table 11 - Percentage distribution of the unemployed population by duration of unemployment and sex, $1^{\text {st }}$ quarter $2008 \& 2009$

| Duration of unemployment (months) | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both Sexes (\%) | Male <br> (\%) | Female <br> (\%) | Both Sexes $(\%)$ <br> (\%) | $\begin{gathered} \text { Male } \\ (\%) \\ \hline \end{gathered}$ | Female <br> (\%) |
| Up to 12 months | 73.0 | 81.6 | 67.5 | 81.0 | 89.2 | 75.6 |
| 13-24 | 16.3 | 10.7 | 19.9 | 13.4 | 8.5 | 16.5 |
| More than 24 | 10.7 | 7.7 | 12.6 | 5.6 | 2.3 | 7.9 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

### 6.5 Work experience

Out of the 44,900 unemployed at the first quarter of 2009 , some 15,400 or nearly $34 \%$ were first job seekers while the remaining 29,500 or $66 \%$ had work experience.

Table 12 shows the distribution of the unemployed with work experience by industrial sector. About $49 \%$ of the unemployed with job experience had worked previously in the secondary sector, with $32 \%$ in manufacturing and $17 \%$ in construction. On the other hand, $48 \%$ had previous work experience in the tertiary sector, mainly in 'Hotels \& restaurants' (13\%) and 'Wholesale \& retail trade' (12\%).

Table 12 - Percentage distribution of the unemployed population with work experience by industrial sector, ${ }^{\text {st }}$ quarter 2008 \& 2009

| Industrial sector | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Both Sexes <br> $(\%)$ | Male <br> $(\%)$ | Female <br> $(\%)$ | Both Sexes <br> $(\%)$ | Male <br> $(\%)$ | Female <br> $(\%)$ |
|  | 5.2 | 9.2 | 1.9 | 3.3 | 4.0 | 2.6 |
| Secondary | 44.2 | 38.6 | 48.7 | 49.0 | 53.7 | 45.0 |
| Tertiary | 50.6 | 52.2 | 49.4 | 47.7 | 42.3 | 52.4 |
| Total | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ |

$12 \%$ of those who had worked before reported that they had lost their job following a 'reduction of workforce'.

### 6.6 Job search

As regards job search, some of the unemployed had recourse to more than one method. As shown in Table 13, during the first quarter of 2009, the most common method of job search was "applied to prospective employers" ( $53 \%$ ) followed by "checked at factories, worksites, etc." (55\%). Around 34\% were registered at the Employment Service. The percentage who had sought assistance or advice was $40 \%$ whilst $28 \%$ had placed or answered advertisements. Only $6 \%$ had taken steps to start a business of their own.

Table 13 - Percentage distribution of the unemployed population by job search method and sex, $1^{\text {st }}$ quarter $2008 \& 2009$

| Job search method | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Both <br> Sexes <br> $(\%)$ | Male <br> $(\%)$ | Female <br> $(\%)$ | Both <br> Sexes <br> $(\%)$ | Male <br> $(\%)$ | Female <br> $(\%)$ |
| Applied to prospective employers | 53.1 | 54.7 | 52.1 | 53.4 | 53.5 | 53.3 |
| Checked at factories, worksites, etc. | 48.6 | 50.6 | 47.2 | 54.7 | 65.8 | 47.6 |
| Registration at Employment Service | 34.2 | 30.2 | 36.8 | 33.6 | 26.3 | 38.5 |
| Sought assistance or advice | 27.2 | 27.3 | 27.1 | 40.3 | 38.8 | 41.3 |
| Placed or answered advertisements | 26.5 | 25.4 | 27.2 | 27.7 | 31.0 | 25.6 |
| Tried to set up own business | 1.7 | 2.0 | 1.5 | 6.1 | 4.9 | 6.9 |

## 7. Inactive population

The number of persons aged 16 years and over, not forming part of the labour force (inactive population) was estimated at 390,800 ( 113,100 males and 277,700 females) (Table 2). As shown in Table 14, the inactive population comprised nearly $46 \%(176,300)$ homemakers, $23 \%$ $(86,700)$ students, $21 \%(81,500)$ retired or old persons, and $8 \%(31,000)$ sick or disabled persons.

Table 14 - Percentage distribution of the inactive population by inactivity status and sex, 1st quarter 2008 \& 2009

| Inactivity status | 1st quarter 2008 |  |  | 1st quarter 2009 |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Both <br> Sexes <br> (\%) | Male <br> (\%) | Female <br> $(\%)$ | Both <br> Sexes <br> (\%) | Male <br> (\%) | Female <br> (\%) |
| Homemakers | 43.7 | 0.4 | 60.8 | 45.7 | 0.3 | 64.3 |
| Retired or old persons | 23.8 | 42.6 | 16.4 | 21.1 | 41.9 | 12.6 |
| Students | 21.9 | 42.0 | 13.9 | 22.5 | 42.3 | 14.3 |
| Sick or disabled persons | 7.8 | 13.0 | 5.8 | 8.1 | 12.4 | 6.2 |
| Other | 2.8 | 2.0 | 3.1 | 2.6 | 3.1 | 2.6 |
| Total | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ |

The inactives also included some 4,200 persons not interested to work, among whom 800 were aged 16 to 19 years.

It is to be noted that 1,700 persons aged 16 years and over were classified as inactives although they were not working and were available for work; the main reason being that they were not actively looking for work. Those persons have not been classified as unemployed since they did not satisfy all the three criteria for unemployment, i.e. not working, looking for work and
available for work. From the survey responses, it has been noted that those inactives either believed that suitable jobs were not available or did not know where to look for work.

An analysis of the inactive population by sex (Table 14) reveals that the inactive males comprised old, retired, sick or disabled persons (54\%) and students ( $42 \%$ ). The inactive females were mostly homemakers ( $64 \%$ ), old, retired, sick or disabled persons (19\%) and students (14\%).

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## Methodology of the Continuous Multi-Purpose Household Survey

Data collection

Frequency of data collection

Face to face interviewing of household members.
Monthly except in 2004 when data collection was carried out every quarter. Up to 2005, the reference period for data on labour force was the last week of the survey month. As from 2006, the reference week has been changed to the second week of the survey month so that estimates can be published within one quarter of the reference period, as required by the IMF Special Data Dissemination System (SDDS) to which the country expects to graduate by June 2009.

Scope and coverage of collection Private Mauritian households in the islands of Mauritius and Rodrigues.

Sampling method

Sample size

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.

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. As from 2005, the sample for the year has been further increased to 11,280 . Furthermore, in order to measure quarterly changes, $50 \%$ of the households sampled in a quarter are re-interviewed in the following quarter; for example, $50 \%$ of the households sampled in the first quarter of 2005 have been reinterviewed in the second quarter of 2005.

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 quarterly 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 household 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.

## Definition of terms used

## 1. Household

A household is defined as either a person living on his/her own or a group of two or more persons, who may or may not be related, but who live together and make common provision for food and other essentials for living.

## 2. Employment

Employed population consists of Mauritians aged $16^{1}$ years and above (16+) who have worked for pay, profit or family gain for at least one hour during the reference week of a month. It includes those who are temporarily absent from work for reasons such as leave with pay, leave without pay and temporary disorganisation of work (bad weather, break down of equipment, lack of order, etc.).

## 3. Unemployment

Unemployed population comprises all Mauritians aged 16+ who are not working but who are looking for work and are available for work during the reference period.

## 4. Labour force

Labour force or active population is made up of employed and unemployed population.

## 5. Unemployment rate

Unemployment rate is the ratio (\%) of unemployment to that of labour force.

## 6. Inactive population

Inactive population includes all Mauritians aged 16+, not forming part of the labour force for reasons such as attendance at educational institutions, engagement in household duties, retirement, old age and infirmity/disablement.

## 7. Activity rate

Activity rate is the ratio (\%) of labour force to that of population aged $16+$ (active + inactive population).

## 8. Employer

An employer is a person who operates his/her own business or trade and hires one or more employees.

## 9. Own account worker

An Own account worker is a person who operates his/her own business or trade but does not hire employees. $\mathrm{He} /$ She may be working alone or with the help of unpaid family members.

## 10. Employee

An Employee is a person who works for pay for someone else, even in a temporary capacity. An Apprentice, who is a person being trained for a job or trade and does not receive pay or may just receive some pocket money is also considered as an employee.

## 11. Contributing family worker

A Contributing family worker is a person who works without pay in an enterprise operated by a family member.

## 12. Educational attainment

Primary: comprises those who have studied up to a "Standard" between Standard 1 and the Certificate of Primary Education (CPE) or equivalent.

Secondary: comprises those who have studied up to a "Form" between Form 1 and the Higher School Certificate (HSC) or equivalent.

Tertiary: comprises those who above their secondary certificates (SC and HSC or equivalent) also possess either a diploma/certificate (which is above the HSC but below a first degree) or a degree.
${ }^{1}$ As from year 2007, labour force estimates are based on population aged 16 years and above, following the amendment to the Labour Act in December 2006 whereby the minimum legal working age is 16 years, and the subsequent recommendation by the ILO to be in line with the amended Labour Act

| Year | Labour force |  |  | Employment (including foreign workers) |  |  | Unemployment |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mauritian | Foreign workers | Total | $\begin{gathered} \text { in large } \\ \text { establishments }^{1} \end{gathered}$ | outside large establishments | Total | Number | Rate $^{2}(\%)$ |
| Both sexes |  |  |  |  |  |  |  |  |
| 2001 | 510.3 | 16.5 | 526.8 | 302.0 | 190.1 | 492.1 | 34.7 | 6.8 |
| 2002 | $513.0{ }^{3}$ | 17.0 | 530.0 | 297.2 | 196.0 | 493.2 | 36.8 | 7.2 |
| 2003 | 520.9 | 18.2 | 539.1 | 296.9 | 202.1 | 499.0 | 40.1 | 7.7 |
| 2004 | 531.3 | 17.5 | 548.8 | 293.3 | 210.9 | 504.2 | 44.6 | 8.4 |
| 2005 | 542.5 | 16.6 | 559.1 | 292.2 | 215.0 | 507.2 | 51.9 | 9.6 |
| 2006 | 548.4 | 16.7 | 565.1 | 295.1 | 220.2 | 515.3 | 49.8 | 9.1 |
| 2007 | 548.9 | 21.6 | 570.5 | 301.3 | 222.4 | 523.7 | 46.8 | 8.5 |
| 2008 | 559.4 | 24.0 | 583.4 | 308.5 | 234.5 | 543.0 | 40.4 | 7.2 |
| $2009{ }^{5}$ | 567.9 | 22.0 | 589.9 | 307.7 | 237.0 | 544.7 | 45.2 | 8.0 |
| Male |  |  |  |  |  |  |  |  |
| 2001 | 337.9 | 5.8 | 343.7 | 188.3 | 137.0 | 325.3 | 18.4 | 5.4 |
| 2002 | $339.8{ }^{3}$ | 6.4 | 346.2 | 188.2 | 140.0 | 328.2 | 18.0 | 5.3 |
| 2003 | 343.1 | 7.9 | 351.0 | 188.2 | 143.2 | 331.4 | 19.6 | 5.7 |
| 2004 | 347.8 | 9.0 | 356.8 | 189.1 | 147.7 | 336.8 | 20.0 | 5.8 |
| 2005 | 349.6 | 9.1 | 358.7 | 189.3 | 149.2 | 338.5 | 20.2 | 5.8 |
| 2006 | 351.4 | 8.3 | 359.7 | 190.0 | 150.5 | 340.5 | 19.2 | 5.5 |
| 2007 | 353.6 | 12.1 | 365.7 | 195.0 | 152.1 | 347.1 | 18.6 | 5.3 |
| 2008 | 355.6 | 14.7 | 370.3 | 198.8 | 156.9 | 355.7 | 14.6 | 4.1 |
| $2009{ }^{5}$ | 358.8 | 13.8 | 372.6 | 199.0 | 157.5 | 356.5 | 16.1 | 4.5 |
| Female |  |  |  |  |  |  |  |  |
| 2001 | 172.4 | 10.7 | 183.1 | 113.7 | 53.1 | 166.8 | 16.3 | 9.5 |
| 2002 | $173.2^{3}$ | 10.6 | 183.8 | 109.0 | 56.0 | 165.0 | 18.8 | 10.9 |
| 2003 | 177.8 | 10.3 | 188.1 | 108.7 | 58.9 | 167.6 | 20.5 | 11.5 |
| 2004 | 183.5 | 8.5 | 192.0 | 104.2 | 63.2 | 167.4 | 24.6 | 13.4 |
| 2005 | 192.9 | 7.5 | 200.4 | 102.9 | 65.8 | 168.7 | 31.7 | 16.4 |
| 2006 | 197.0 | 8.4 | 205.4 | 105.1 | 69.7 | 174.8 | 30.6 | 15.5 |
| 2007 | $195.3{ }^{4}$ | 9.5 | 204.8 | 106.3 | 70.3 | 176.6 | 28.2 | 14.4 |
| 2008 | 203.8 | 9.3 | 213.1 | 109.7 | 77.6 | 187.3 | 25.8 | 12.7 |
| $2009{ }^{5}$ | 209.1 | 8.2 | 217.3 | 108.7 | 79.5 | 188.2 | 29.1 | 13.9 |

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[^0]:    ${ }^{1}$ Employing 10 or more persons
    ${ }^{3}$ The low increase results from the implementation of the Voluntary Retirement Scheme (VRS) in the sugar industry
    ${ }^{2}$ Unemployment as a percentage of Mauritian labour force
    ${ }^{4}$ The decrease is explained by a larger number of female students and housewives
    ${ }^{5}$ Forecast

