## Preface

This is the thirteenth Bulletin in the series on Manufacturing Output, Employment and Wages and Salaries and it presents results of the Quarterly Surveys conducted by the Department for the year 2002-2006. The survey results indicate the performance of the manufacturing industry in the Tongan Economy.

## The bulletin is spread over four parts:

Part I: Gives the introduction and main results of the comparative position and trend of manufacturing production, employment and wages/salaries.

Part II: Has the complementary analysis on level of production, employment and wages/salaries Part III: Has all the statistical tables showing growth and trend of manufacturing production, employment and wages/salaries.
Part IV: Gives the questionnaire used in the quarterly survey of manufacturing production, employment and wages/salaries and instructions for completing the questionnaire.

Staff of the Survey division of the Department is commended for their hard work in collecting the information present in this bulletin.

The Department is grateful to all manufacturing establishments that supplied the data and information published in this bulletin. The Department welcomes any comments on how this bulletin could be improved.

## Tonga

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## Notes and abbreviation

## Rounding

The sums of individual industries may not always come exactly to the totals shown, because of the effects of rounding. Discrepancies of 1 or 2 in the final digit should give no cause for concern.

ISIC International Standard Industrial Classification (Series M No.4, Rev.3)

## 1. Introduction

## Survey objective

1.1 This report presents the results of the quarterly survey of manufacturing production, employment and wages/salaries, conducted by the Statistics Department of Tonga over the period 20022006. The main objectives of the survey are:
$>$ To provide updated information on levels of production, employment and wages/salaries;
> To provide some data for the components of National accounts; and
> To provide information on the performance of Manufacturing industries for Planners, Policy makers and the general public.

## Coverage

1.2 The Statistics Department launched a regular quarterly survey of Manufacturing production, employment and wages and salaries effective from July-September 1983. The survey covered all manufacturing establishments and units, including:
(i) Those registered under the Companies Act 1912,
(ii) Those granted Development License for manufacturing under the Industrial Incentives Act 1978 and
(iii) Those engaged in manufacturing activities with a license issued by the Ministry of Labour, Commerce and Industries.
1.3 The survey did not cover enterprises, establishments and units that were engaged in (a) repair and maintenance of vehicles, machinery and equipment; (b) household type of activities related to making handicrafts and the like.
1.4 An establishment was treated as manufacturing if it was engaged in the transformation (mechanical or chemical) of substances into new products whether by machines or by hand in a factory or other business premises. An establishment/unit engaged in the assembly of component parts of manufactured products was treated as engaged in manufacturing except where it undertook construction activity.
1.5 The definitions used for manufacturing businesses for the survey in question were:

Establishment: a separate operating unit (factory, store, workshop or other place, etc.) engaged in Tonga in one or predominantly one kind of economic activity at a single physical location.
Enterprises: a single business entity, Private, Government, Quasi-government, Co-operative and sole ownership, engaged in manufacturing type of activities is treated as an enterprise. There are generally two types of enterprises viz.:
i. "Single Establishment Enterprise" consisting of only one establishment and
ii. "Multiple Establishments Enterprise" consisting of more than one establishment with or without ancillary unit or one establishment plus one or more ancillary units.

## Data collection

1.6 Information was collected by personal visits of the survey staff of the Statistics Department to the manufacturing enterprises, establishments and units that were operational in the various quarters starting $1^{\text {st }}$ Quarter 2002 and subsequently to the last quarter (October-December) of 2006. This covers establishments on the four main island divisions of Tonga namely Tongatapu, Vava'u, Ha'apai and 'Eua. This $13^{\text {th }}$ Bulletin on manufacturing output, employment and wages and salaries contains data for calendar years 2002-2006.

## Response rate

1.7 The reason for delaying the publishing of the survey results is to get all the returns before processing the results. However, some establishments have closed and few were not located where they moved to.

## Data processing

1.8 All data entry, editing checks and queries were done using the Access software package. Preparation of the final tables was done using Excel facility.
1.9 Manufacturing establishments have been classified into Divisions according to the International Standard Industrial Classification (ISIC) Series M No. 4, Rev. 3 for Major Divisions 15-37. The following ISIC divisions have been used.

## The following ISIC Divisions have been used:

15. Manufactured of food products and beverages (bread, sausages, soft drinks and ice-cream etc.)
16. Manufacture of Tobacco Products.(Cigarettes)
17. Manufacture of textiles (t-shirt, pullovers and quilts etc.)
18. Manufacture of wearing apparel; dressing and drying of fur (dress, trousers, lavalava etc.)
19. Tanning and dressing of leather; manufacture of luggage, handbags, saddlery, harness and footwear
20. Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
21. Manufacture of Pulp, paper or corrugated, paperboard and articles of paper
22. Publishing, printing and reproduction of recorded media
23. Manufacture of chemicals and chemical products (tablets, paint and varnish etc.)
24. Manufacture of other non-metallic mineral products (concrete blocks and water tanks etc.)
25. Manufacture of machinery and equipment n.e.c.
26. Manufacture of electrical machinery and apparatus
27. Manufacture of radio, television and communication equipment and apparatus
28. Manufacture of medical, precision and optical instruments, watches and clocks
29. Manufacture of other transport equipment (boat, cart, bicycle etc.)
30. Manufacture of furniture
31. Recycling and other manufacture industries n.e.c.

## 2. Main results

The quarterly survey of manufacturing output, employment and wages/salaries for year 2006 was carried out by the Statistics Department of Tonga between 2006 and 2007. The survey collects information on production, employment and wages/salaries, which include memorandum items. The survey covers all manufacturing establishments regardless of size; level of production or number of persons engaged. Due to funding constraints and the distance from the main island, the Niuas were excluded from the survey.

Table 1: Summary of the survey results for year 2002-2006:

| Item | Unit | 2002 | 2003 | 2004 | $2005(R)$ | 2006 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 1. Establishments covered | No. | 123 | 130 | 127 | 135 | 120 |
| 2. Total production | T\$(‘000) | 31,307 | 36,319 | 31,849 | 32,152 | 27,414 |
| 3. Persons employed | No. | 1,258 | 1,375 | 1,333 | 1,490 | 1,267 |
| 4. Wages and salaries | T\$('000) | 4,642 | 5,354 | 5,606 | 5,756 | 5,663 |

Source: Manufacturing survey, Statistics Dept

## Manufacturing production

The total manufacturing production of Tonga in 2006 declined from 32 million pa'anga in 2005 to 27 million pa'anga in 2006 which is a total decrease of $15 \%$ (Table 1). This decrease in total manufacturing production took place mainly in the groups of Food products and Beverage products which fell by 19\%, the Non-metallic Mineral products fell by 31\%, the Fabricated Metal products fell by $75 \%$, and the Other Manufacturing industries fell by $11 \%$. The decline in these groups offset the increases in the Chemical and Chemical products group and the Manufactures of Furniture group (Table 2).

Graph 1 below shows the trend of total manufacturing production rising from 31 million pa'anga in 2002 to 36 million in 2003 then decreases to 27 million in 2006.


Source: Manufacturing survey, Statistics Dept.

The decline in production was due to the closing down of establishments in comparison to 2005 and the fall in production of the existing establishments in comparison to previous years. These establishments are mainly from the Food products and Beverage group where Kava Producing establishments are included.

During the year 2006, Food products and Beverage group contributed 16 million pa'anga to the total value of production which is only $60 \%$ of the total production compared to $63 \%$ in 2005 . Chemicals and Chemical products contributed 3 million pa'anga (11\%) and Non-metallic Mineral products contributed 2.7 million (10\%).

Table 2 shows some more detailed information on production by ISIC division.

Table 2: Manufacturing production by ISIC division for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 15 Food products and beverages | 17,640 | 22,249 | 18,514 | 20,238 | 16,404 |
| 22 Publishing and printing | 1,141 | 1,311 | 1,389 | 1,283 | 1,273 |
| 24 Chemicals and chemical products | 4,616 | 4,113 | 5,204 | 2,047 | 3,143 |
| 26 Non-metallic mineral products | 3,226 | 3,520 | 2,062 | 3,990 | 2,761 |
| 28 Fabricated metal products | 1,682 | 807 | 1,052 | 1,193 | 302 |
| 36 Manufactures of Furniture | 1,530 | 1,150 | 1,621 | 1,272 | 1,644 |
| 37 Other manufacturing industries | 1,202 | 3,169 | 2,007 | 2,131 | 1,887 |
| Total | 31,037 | 36,319 | 31,849 | 32,154 | 27,414 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 17, 18, 19, 20, 21, 29, 30, 31 and 35.

Graph 2 shows that the majority of the manufacturing production is accounted for by Tongatapu. Production in Tongatapu declined from 29 million pa'anga in 2002 to 26 million pa'anga in 2006.


Source: Manufacturing survey, Statistics Dept.

In Tongatapu, the total production fell by 5 million pa'anga caused by the major downfall in the production of the Food products and Beverages group and the Non-metallic mineral products. The Limu processing establishments has ceased to exist and some establishments have closed down as well. Also the production for 2006 was also affected by the 2006 riots which put a hold to most of the manufacturing production processes for a while.

The production from Vava'u also fell by $52 \%$ due to the significant fall in its number of establishments in comparison to 2005. Kava production and Vanilla production were the main effect for this.

Production for both Ha'apai and 'Eua looks favourable showing a steady increase of $3 \%$ from 0.68 million pa'anga in 2005 to 0.70 million in 2006.

Table 3 below shows the share of island division on manufacturing production.

Table 3: Manufacturing production by Island division for 2002-2006

| Island division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5 ( \mathbf { R } )}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 1 Tongatapu <br> 2 Vava'u | 28,771 | 27,713 | 28,859 | 29,076 | 25,572 |
| 3\&4 Ha'apai \& 'Eua | 1,841 | 7,945 | 2,287 | 2,398 | 1,143 |
| Total | 425 | 661 | 703 | 680 | 699 |

Source: Manufacturing survey, Statistics Dept

In terms of institutional sector, the private sector showed a huge fall of almost 5 million pa'anga from 2005 to 2006. This Government and Quasi offset on the other shows a small decrease by $2 \%$ from 2005 to 2006.

Graph 3 below shows the trend of production level by institutional sector.


Source: Manufacturing survey, Statistics Dept.

The Private sector still dominates in terms of manufacturing production by 27 million pa'anga or $97 \%$ for 2006 compared to $98 \%$ in 2005, while only about 1million or $3 \%$ of the total production were contributed by the Government and Quasi-government in 2006 compared to only $2 \%$ in 2005.

Table 4 below shows the contribution of the institutional sectors to manufacturing production.

Table 4: Manufacturing production by Institutional sector for 2002-2006

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5 ( R )}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{1}$ Private | 29,994 | 34,255 | 31,298 | 31,365 | 26,639 |
| 2\&3 Government and quasi-government | 1,043 | 2,064 | 551 | 789 | 775 |
| Total | 31037 | $\mathbf{3 6 , 3 1 9}$ | $\mathbf{3 1 , 8 4 9}$ | $\mathbf{3 2 , 1 5 4}$ | $\mathbf{2 7 , 4 1 4}$ |

Source: Manufacturing survey, Statistics Dept

## - Manufacturing employment

In the year 2006 there was a total of 1267 persons working in the manufacturing sector, representing a $15 \%$ decrease from 2005. Over the years 2002-2006 the total number of employees working in the manufacturing sector steadily rises from 2002, then falls in 2004, rise in 2005 then fall again in 2006. This fall is represented by a decrease in number of employees in the Food products and Beverage group of $17 \%$, the Wood and products of wood group by $24 \%$, the Publishing and printing group by $30 \%$, the Fabricated Metal products group by $24 \%$ and the Other Manufacturing industries group by 22\% (Table 5).

Graph 4 below shows the trend of manufacturing employment between the years 2002 to 2006.


[^0]This fall in manufacturing employment shows the impact of the fall in the number of manufacturing establishments and is clearly reflected on the total production.

Out of every 100 persons employed in manufacturing in 2006, 56 were employed in the manufacturing of Food products and Beverage, 8 in Non-metallic Mineral products, 7 in the Manufacturing of Furniture, 6 in Wood and products of Wood, 6 in Publishing and printing, 4 in the Fabricated Metal products group and 13 in the Other Manufacturing Industries.

Table 5 below shows the number of person in manufacturing by ISIC Division from 2002 to 2006.

Table 5: Manufacturing employment by ISIC division for 2002-2006

|  | Number |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 704 | 761 | 825 | 853 | 710 |
| 20 Wood and products of wood | 77 | 87 | 79 | 106 | 81 |
| 22 Publishing and printing | 109 | 108 | 102 | 104 | 73 |
| 26 Non-metallic mineral products | 70 | 87 | 30 | 75 | 97 |
| 28Fabricated Metal Products | 37 | 36 | 41 | 63 | 48 |
| 36 Manufacture of furniture | 90 | 102 | 70 | 77 | 93 |
| 37 Other manufacturing industries | 171 | 194 | 186 | 212 | 165 |
| Total | 1,258 | 1,375 | 1,333 | 1,490 | 1267 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 17, 18, 19, 21, 24, 29, 30, 31 and 35

Between 2002 and 2006, employment in manufacturing in Tongatapu increased by only 2\%, Vava'u fell by $18 \%$, while Ha'apai and 'Eua (combined) increases by $10 \%$.

Graph 5 below shows the trend of manufacturing employment by Island Division between 2002 and 2006.


Source: Manufacturing survey, Statistics Dept.

By island division, 85\% of the overall manufacturing employment is from Tongatapu, 8\% from Vava'u and 7\% from 'Eua during 2006. However, Tongatapu's employment level fell by 16\% from 2005 to 2006, and Vava'u also fell by 19\% but 'Eua remains constant.

Table 6 below shows more information on employment level by Island Division.

Table 6: Manufacturing employment by Island division for 2002-2006

| Island division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{1}$ Tongatapu | 1,052 | 1,104 | 1,188 | 1,275 | 1076 |
| 2 Vava'u | 126 | 219 | 105 | 127 | 103 |
| 3\&4 Ha'apai \& 'Eua | 80 | 52 | 40 | 88 | 88 |
| Total | $\mathbf{1 , 2 5 8}$ | $\mathbf{1 , 3 7 5}$ | $\mathbf{1 , 3 3 3}$ | $\mathbf{1 , 4 9 0}$ | $\mathbf{1 2 6 7}$ |

Source: Manufacturing survey, Statistics Dept.

Employment in the private sector has decreased by 12 \% from 1315 in 2005 to 1158 in 2006. The number employed in manufacturing by the government and quasi-government sector also fell remarkably by 38\% from 175 in 2005 to 109 in 2006.

Graph 6 below gives the trend of the manufacturing employment level by Institutional Sector from 2002-2006.


Source: Manufacturing survey, Statistics Dept.

In percentage terms, the private sector shows a healthier life than the government sector holding 91\% of overall employment during 2006, whereas the Government \& Quasi-government sector only holds $9 \%$. From 2002 to 2006 the private sector increases by $5 \%$ while the Government \& Quasigovernment sector fall by $30 \%$.

Table 7 gives the figures for the manufacturing level by Institutional sector for 2002-2006.

Table 7: Manufacturing employment by Institutional sector for 2002-2006


Source: Manufacturing survey, Statistics Dept.

## - Manufacturing wages/salaries

Total manufacturing wages and salaries increased by 17\% from year 2002 to 2006. However, between 2005 and 2006 total manufacturing wages fell by $2 \%$.

As shown in Graph 7 below, total wages and salaries have increased from 4.9 million pa'anga in 2002 to 5.7 million in 2006. Over the same period, total wages and salaries increased by $17 \%$ for the Food products and Beverages, $31 \%$ for Fabricated metal products, $57 \%$ for Manufacturing of Furniture and 45\% for Other Manufacturing Industries which offset the decrease in Wood and products of wood of $41 \%$, Publishing and Printing by $0.5 \%$ and $9 \%$ for Non Metallic mineral products wages and salaries.

Graph 7 below shows the total manufacturing wages and salaries between the years 2002-2006.


Source: Manufacturing survey, Statistics Dept.

Wages and Salaries for Food Products and Beverages industry slightly decreased from 3.0 million pa'anga in 2005 to 2.9 million pa'anga in 2006 but still accounts for $52 \%$ of the total wages and salaries, followed by Publishing and Printing by 0.6 million pa'anga (11\%), the Manufacture of

Furniture paid 0.6 million pa'anga (11\%), and 0.8 million pa'anga (14\%) was paid by the Other manufacturing industries group.

Table 8 gives more detailed information of manufacturing wages and salaries.

Table 8: Manufacturing wages and salaries by ISIC division for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 2,511 | 2,804 | 3,037 | 3011 | 2,954 |
| 20 Wood and products of wood | 274 | 225 | 231 | 320 | 162 |
| 22 Publishing and printing | 648 | 610 | 562 | 544 | 645 |
| 26 Non-metallic mineral products | 337 | 347 | 132 | 258 | 307 |
| 28 Fabricated Metal Products | 144 | 140 | 371 | 250 | 189 |
| 36 Manufacture of furniture | 390 | 555 | 447 | 516 | 614 |
| 37 Other manufacturing industries | 553 | 673 | 826 | 857 | 801 |
| Total | 4857 | 5,354 | 5,606 | 5,756 | 5,663 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 include 16, 17, 18, 19, 21, 24, 29, 30, 31 and 35

Publishing and printing increased from 2005 to 2006 by 19\%, Non-metallic mineral products increased also by $19 \%$ and the Manufacture of Furniture also increased by $19 \%$ but these increases were offset by the decreases in the other groups.

In year 2006, about 5.1 million pa'anga (90\%) of the total manufacturing wages and salaries were earned by those employed in Tongatapu, the main island, followed by Vava'u with around 0.3 million pa'anga (6\%) and only 0.2 million (4\%) for both Ha'apai and 'Eua.

Graph 8 below shows the trend of manufacturing wages and salaries by Island Division for 2002-2006


[^1]In the period of 2002-2006 the manufacturing wages and salaries in Tongatapu increases by 20 \%, whereas Vava'u decreases by $32 \%$ and Ha'apai \& 'Eua increases significantly by $87 \%$ as shown in Table 9.

These increases were caused by the increase in the wages and salaries of the Food products group, the Fabricated Metal products group, the Manufacture of Furniture group and the Other manufacturing industries group.

Table 9: Manufacturing wages and salaries by Island division for 2002-2006

|  |  |  |  | T\$(‘000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Island division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Tongatapu | 4,225 | 4461 | 5116 | 5173 | 5,089 |
| 2 Vava'u | 510 | 772 | 399 | 374 | 348 |
| 3\&4 Ha'apai \& 'Eua | 121 | 121 | 91 | 209 | 226 |
| Total | 4,857 | 5354 | 5606 | 5756 | 5663 |

Source: Manufacturing survey, Statistics Dept.

Furthermore the total wages and salaries paid by Government \& Quasi-government sector dropped from 0.8 million pa'anga in 2002 to 0.6 million pa'anga in 2006. However, the Private sector pays more wages and salaries of 5.0 million pa'anga in 2006 compared to only 4.1 million pa'anga in 2002.

Graph 9 below shows this trend of Total Wages and Salaries by Institutional Sector.


Source: Manufacturing survey, Statistics Dept.

In 2006, $89 \%$ of the Total wages and salaries were paid by the Private sector and only $11 \%$ was paid by the Government \& Quasi-government sector. This represents a $1 \%$ decrease in the Private sector from 2005 to 2006 and a 4\% decrease in the Government \& Quasi-government sector.

Table 10 gives the figures for manufacturing wages and salaries paid for the year 2002-2006 by Institutional sectors.

Table 10: Manufacturing wages and salaries by Institutional sector for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Institutional sector | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Private | 4,094 | 4,689 | 4,956 | 5,107 | 5,038 |
| 2\&3 Government and quasi-government | 763 | 665 | 650 | 649 | 625 |
| Total | 4,857 | 5,354 | 5,606 | 5,756 | 5,663 |

Source: Manufacturing survey, Statistics Dept.

## 3 Complementary analysis

### 3.1 Production level

- Average production per establishment

The average annual production per establishment for Tonga has decreased by 4\%, from 238 thousand pa'anga in 2005 to 228 thousand pa'anga in 2006.

Graph 10 below shows the average annual production per establishment going up from 252 thousand pa'anga in 2002 to 279 thousand pa'anga in 2003 then falls to 250 thousand in 2004 and continues on falling to 228 thousand pa'anga in 2006.


Source: Manufacturing survey, Statistics Dept.

This decrease in the overall average production per establishment from 2005 to 2006 showed in the group of Publishing and Printing by 1\%, Non-metallic mineral products by $45 \%$, Fabricated Metal products by $75 \%$ and the Other manufacturing industries by $11 \%$.

The Food products and beverages increased its average production by $2 \%$, and so was the Chemicals and Chemical products by 54\%, and the Manufacture of Furniture by 48\%. However these rises were offset by the decreases in the groups mentioned above.

By looking at industries level at year 2006, the average production per Establishment in the group of Non-metallic mineral products decreased to 276 thousand pa'anga from 499 thousand pa'anga in 2005 contrasting with its increase in the previous year 2004-2005 and so was the Fabricated Metal products falling from 170 thousand pa'anga to 43 thousand pa'anga.

Table 3.1a shows the average production per establishment by ISIC division.

Table 3.1a: Average production per establishment by ISIC division for 2002-2006

| T\$('000) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 15 Food products and beverages | 294 | 358 | 268 | 277 | 283 |
| 22 Publishing and printing | 380 | 327 | 347 | 321 | 318 |
| 24 Chemicals and chemical products | 1,154 | 1028 | 1,301 | 512 | 786 |
| 26 Non-metallic mineral products | 495 | 391 | 412 | 499 | 276 |
| 28 Fabricated metal products | 240 | 115 | 150 | 170 | 43 |
| 36 Manufacture of Furniture | 100 | 71 | 115 | 85 | 126 |
| 37 Other manufacturing industries | 351 | 113 | 669 | 89 | 79 |
| Total | 252 | 279 | 250 | 238 | 228 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 include16, 17, 21, 18, 19, 20, 29, 30, 31 and 35

More detailed information on average production per establishment is given in Table 4.7, 4.8 and 4.9 of the report.

In terms of annual production by island division, Tongatapu produced in average per establishment 304 thousand pa'anga, Vava'u got only 64 thousand pa'anga, and Ha'apai \& 'Eua combined to get an average production of 39 thousand pa'anga only.

Tongatapu gives a decrease in average production per establishment of $10 \%$ from 2005 to 2006 due to the fall in total production. Vava'u gives a $15 \%$ decrease as well reflecting the fall in both the total production and the number of establishments, and 'Eua remains stable with only a $3 \%$ decrease in average production.

Table 3.1b gives the Average production per establishment by Island Division for 2002-2006.

Table3.1b: Average production per establishment by Island division for 2002-2006

| T\$('000) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Island division | 2002 | 2003 | 2004 | $2005{ }^{\circledR}$ | 2006 |
| 1 Tongatapu | 350 | 315 | 365 | 338 | 304 |
| 2 Vava'u | 63 | 265 | 71 | 75 | 64 |
| 3\&4 Ha'apai \& 'Eua | 39 | 55 | 43 | 40 | 39 |
| Total | 252 | 279 | 250 | 238 | 228 |

Source: Manufacturing survey, Statistics Dept.
In terms of institutional sector, average annual production of the Private sector consistently declines starting from 2003 to 2006 with a final decrease of $4 \%$ from 2005 to 2006. Government \& Quasigovernment sector declines by only 2\% from 2005 to 2006.

Table 3.1c shows the average production per establishments by Institutional sector for the period 2002-2006.

Table 3.1c: Average production per establishment by Institutional sector for 2002-2006

|  | T\$('000) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Institutional sector | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 1 Private | 256 | 275 | 256 | 241 | 232 |
| 2\&3 Government and quasi-government | 174 | 412 | 110 | 158 | 155 |
| Total | 252 | 279 | 250 | 238 | 228 |

Source: Manufacturing survey, Statistics Dept.

- Average production per production worker

The average production per production worker increased from 25 thousand pa'anga per worker in 2005 to 26 thousand pa'anga in year 2006. By industry level, some industries produced more than the national average production led by the Chemicals and Chemical Products with 137 thousand, Food Products and Beverages by 29 thousand pa'anga and Non-metallic Mineral products with 30 thousand pa'anga.

Table 3.1d gives more information on average production per production worker by ISIC divisions for the period of 2002-2006.

Table 3.1d: Average production per production worker by ISIC division for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 15 Food product \& beverages | 28 | 36 | 25 | 28 | 29 |
| 22 Publishing and Printing | 11 | 13 | 26 | 22 | 21 |
| 24 Chemicals and chemical products | 178 | 146 | 52 | 20 | 137 |
| 26 Non-metallic mineral products | 57 | 44 | 85 | 160 | 30 |
| 28 Fabricated metal products | 49 | 23 | 38 | 17 | 7 |
| 35 Other transport equipment | 13 | 14 | 36 | 11 | 15 |
| 36 Manufactures of Furnitures | 20 | 14 | 31 | 23 | 24 |
| 37 Other manufacturing industries | 71 | 15 | 15 | 9 | 9 |
| Total | 30 | 32 | 27 | 25 | 26 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 include16, 17, 18, 19, 20, 21, 30 and 31

In terms of island division, the value produced by production workers in Tongatapu averaged to 27 thousand pa'anga, followed by Vava'u with 21 thousand pa'anga and Ha'apai and 'Eua by 11 thousand pa'anga. Tongatapu's average production per production worker increases from 2005 to 2006 by 1 thousand pa'anga, whereas Vava'u decreases by 2 thousand pa'anga, and Ha'apai \& 'Eua combined rises by another thousand pa'anga.

Table 3.1e gives the averages production per production worker by Island division for the period 2002-2006.

Table 3.1e: Average production per production worker by Island division for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Island division | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 1 Tongatapu | 33 | 30 | 27 | 26 | 27 |
| 2 Vava'u | 21 | 47 | 25 | 23 | 21 |
| 3\&4 Ha'apai \& 'Eua | 10 | 17 | 25 | 10 | 11 |
| Total | 30 | 32 | 27 | 25 | 26 |

Source: Manufacturing survey, Statistics Dept.

Production worker in private sector produced an average production of 28 thousand pa'anga while government and quasi-government produced 7 thousand pa'anga which is higher than the 6 thousand in the previous year.

Table 3.1f shows the average production per production worker by Institutional sector for the period 2002-2006.

Table 3.1f: Average production per production worker by Institutional sector for 2002-2006

|  |  |  |  | T\$(‘000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Institutional sector | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 1 Private | 34 | 35 | 30 | 28 | 28 |
| 2\&3 Government and quasi-government | 7 | 13 | 4 | 6 | 7 |
| Total | 30 | 32 | 27 | 25 | 26 |

Source: Manufacturing survey, Statistics Dept.

### 3.2 Employment level

The total number of production worker involved in manufacturing industries has a sharp decrease of $18 \%$ from 1,281 production workers in 2005 to only 1053 in 2006 which contrasts with its continuous positive trend from 2002 to 2005.

The group of Food products and Beverages employed 569 (54\%) of total production workers, Nonmetallic mineral products employed 91 (9\%), Wood and Products of wood employed 79 (8\%) Production Workers and the Other manufacturing industries group totaled up to 117 (11\%) workers.

Some groups increased their number of production workers such as the Publishing and Printing establishments which increased by 3\%, the Non-metallic mineral products increased significantly by $264 \%$ and the Manufacture of Furniture group increase by $24 \%$. But these increases were offset by higher decreases in the groups mentioned above.

Table 3.2a gives the Number of manufacturing production workers by ISIC division for 2002-2006.

Table 3.2a: Number of manufacturing production workers by ISIC division for 2002-2006

| Number |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 582 | 612 | 728 | 734 | 569 |
| 20 Wood and products of wood | 60 | 87 | 79 | 102 | 79 |
| 22 Publishing and printing | 106 | 103 | 54 | 59 | 61 |
| 24 Chemicals and Chemical Products | 26 | 28 | 99 | 101 | 23 |
| 26 Non-metallic mineral products | 61 | 80 | 24 | 25 | 91 |
| 28 Fabricated Metal Products | 34 | 34 | 28 | 69 | 45 |
| 36 Manufacture of furniture | 75 | 80 | 52 | 55 | 68 |
| 37 Other manufacturing industries | 106 | 122 | 117 | 136 | 117 |
| Total | 1,050 | 1,146 | 1,181 | 1,281 | 1,053 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 include 16, 17, 18, 19, 21, 29, 30, 31 and 35

Tongatapu employed 936 production workers which is $89 \%$ of the total production workers, Vava'u employed 54 (5\%) and 63 Production workers (6\%) in Ha'apai and 'Eua. Tongatapu has shown a decrease in production workers employed of 16\% from 2005 to 2006, Vava'u gives a higher decrease of $48 \%$ and Ha'apai \& 'Eua incurs a $7 \%$ decrease as well. This is shown more clearly in Table 3.2b.

Table 3.2b: Number of manufacturing production workers by Island division for 2002-2006

| Island division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| $\boldsymbol{1}$ Tongatapu | 922 | 937 | 1,059 | 1110 | 936 |
| 2 Vava'u | 86 | 170 | 93 | 103 | 54 |
| 3\&4 Ha'apai \& 'Eua | 42 | 39 | 28 | 68 | 63 |
| Total | $\mathbf{1 , 0 5 0}$ | $\mathbf{1 , 1 4 6}$ | $\mathbf{1 , 1 8 1}$ | $\mathbf{1 , 2 8 1}$ | $\mathbf{1 , 0 5 3}$ |

Source: Manufacturing survey, Statistics Dept.

Private Sector employed 944 production workers in 2006 which is $90 \%$ of the total manufacturing production workers and the Government \& Quasi-government sector employs 109 production workers which is $10 \%$ of the Total. Number of production workers in both of the institutional sectors decreased from 2005 to 2006 by $15 \%$ and $37 \%$ respectively.

Table 3.2c: Number of manufacturing production workers by institutional sector for 2002-2006

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{1}$ Private |  |  |  |  |  |
| 2\&3 Government and quasi-government | 895 | 986 | 1,029 | 1107 | 944 |
| Total | 155 | 155 | 152 | 174 | 109 |
| 1,050 | $\mathbf{1 , 1 4 6}$ | $\mathbf{1 , 1 8 1}$ | $\mathbf{1 , 2 8 1}$ | $\mathbf{1 , 0 5 3}$ |  |

Source: Manufacturing survey, Statistics Dept.

### 3.3 Wages and salaries

The average annual weekly wage rate paid to production workers in manufacturing sector has gone up higher in 2006 to 77 pa'anga compared to 67 pa'anga in 2005. From Table 3.3a below, it shows that the Publishing and Printing weekly wage rate increased dramatically by $165 \%$ followed by Manufacturers of Furniture by $18 \%$ and Other Transport Equipment by $7 \%$. Although there were decreases in some Groups but it was not that effective.

Table 3.3a: Average weekly wage rate per production worker by ISIC division for 2002-2006

| ISIC division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 15 Food and Beverages | 66.00 | 72.00 | 64.00 | 64.00 | 71.00 |
| 20 Wood and Products of Wood | 88.00 | 103.00 | 56.00 | 60.00 | 39.00 |
| 22 Publishing and printing | 108.00 | 102.00 | 67.00 | 60.00 | 159.00 |
| 24Chemicals\& Chemical Products | 55.00 | 55.00 | 81.00 | 58.00 | 57.00 |
| 26 Non-metallic mineral products | 87.00 | 74.00 | 77.00 | 72.00 | 60.00 |
| 28 Fabricated metal products | 76.00 | 73.00 | 197.00 | 57.00 | 72.00 |
| 35 Other Transport Equipment | 54.00 | 101.00 | 101.00 | 92.00 | 98.00 |
| 36 Manufacture of furniture | 74.00 | 102.00 | 113.00 | 113.00 | 133.00 |
| 37Other Manufacturing Products | 52.00 | 30.00 | 29.00 | 83.00 | 71.00 |
| Total | 71.00 | 73.00 | 74.00 | 67.00 | $\mathbf{7 7 . 0 0}$ |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 include16, 17, 18, 19, 21, 29, 30 and 31

Production workers stationed in Tongatapu earned an average weekly wage rate of 79 pa'anga, whereas Vava'u only earned 54 pa'anga, and Ha'apai \& 'Eua earned 63 pa'anga.

Table 3.3b: Average weekly wage rate per production worker by Island division for 2002-2006

| Island division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 1 Tongatapu | 74.00 | 73.00 | 74.00 | 68.00 | 79.00 |
| 2 Vava'u | 42.00 | 77.00 | 79.00 | 64.00 | 54.00 |
| 3\&4 Ha'apai \& 'Eua | 53.00 | 59.00 | 56.00 | 54.00 | 63.00 |
| Total | $\mathbf{7 1 . 0 0}$ | $\mathbf{7 3 . 0 0}$ | $\mathbf{7 4 . 0 0}$ | $\mathbf{6 7 . 0 0}$ | $\mathbf{7 7 . 0 0}$ |

Source: Manufacturing survey, Statistics Dept.
By looking at sector level, government and quasi-government paid a weekly wage rate of 94 pa'anga while private production workers earned 75 pa'anga per week.

Table 3.3c: Average weekly wage rate per production worker by Institutional sector for 2002-2006

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 Private | 66.00 | 72.00 | 73.00 | 67.00 | 75.00 |
| 2\&3 Government and quasi-government | 95.00 | 79.00 | 82.00 | 69.00 | 94.00 |
| Total | 71.00 | 73.00 | 74.00 | $\mathbf{6 7 . 0 0}$ | $\mathbf{7 7 . 0 0}$ |

Source: Manufacturing survey, Statistics Dept.

## 3. Statistical Tables

Table 4.1: Manufacturing production by ISIC division for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 15 Food products and beverages | 17,265 | 22,249 | 18,514 | 20,238 | 16,404 |
| 17 Manufacture of textiles | 285 | 354 | 306 | 256 | 200 |
| 18 Manufacture of wearing apparel | 668 | 525 | 359 | 494 | 368 |
| 19 Manufacture of leather products | 0 | 0 | 0 | 0 | 0 |
| 20 Wood and products of wood | 42 | 1,119 | 79 | 211 | 225 |
| 22 Publishing and printing | 1,141 | 1,311 | 1,389 | 1,283 | 1,273 |
| 24 Chemicals and chemical products | 4,616 | 4,113 | 5,204 | 2,047 | 3,143 |
| 26 Non-metallic mineral products | 3,462 | 3,520 | 2,062 | 3,990 | 2,761 |
| 28 Fabricated metal products | 1,682 | 807 | 1,052 | 1,193 | 302 |
| 35 Other transport equipment | 236 | 155 | 294 | 152 | 184 |
| 36 Manufacture of furniture | 1,530 | 1,150 | 1,621 | 1,272 | 1,644 |
| 37 Other manufacturing industries | 115 | 1016 | 969 | 1,019 | 910 |
| Total | 31,037 | 36,319 | 31,849 | 32,155 | 27,414 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes16, 21, 29, 30 and 31

Table 4.2: Manufacturing production by Island division for 2002-2006

| Island division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5 ( \mathbf { R } )}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{1}$ Tongatapu | 28,771 | 27,714 | 28,859 | 29,076 | 25,572 |
| 2 Vava'u | 1,841 | 7,945 | 2,287 | 2,398 | 1,143 |
| 3\&4 Ha'apai \& 'Eua | 425 | 660 | 703 | 680 | 699 |
| Total | $\mathbf{3 1 , 0 3 7}$ | $\mathbf{3 6 , 3 1 9}$ | $\mathbf{3 1 , 8 4 9}$ | $\mathbf{3 2 , 1 5 4}$ | $\mathbf{2 7 , 4 1 4}$ |
| Source: Manufacturing survey, Statistics Dept. |  |  |  |  |  |

Table 4.3: Manufacturing production by Institutional sector for 2002-2006

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5 ( R )}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{1}$ Private | 29,994 | 34,255 | 31,298 | 31,365 | 26,639 |
| 2\&3 Government and quasi-government | 1,043 | 2,064 | 551 | 789 | 775 |
| Total | $\mathbf{3 1 , 0 3 7}$ | $\mathbf{3 6 , 3 1 9}$ | $\mathbf{3 1 , 8 4 9}$ | $\mathbf{3 2 , 1 5 4}$ | $\mathbf{2 7 , 4 1 4}$ |

Source: Manufacturing survey, Statistics Dept.

Table 4.4: Percentage distribution of manufacturing production by ISIC division for 2002-2006

|  |  |  | Percentages |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 15 Food products and beverages | 55.6 | 61.3 | 58.1 | 62.9 | 59.8 |
| 17 Manufacture of textiles | 1.0 | 2.6 | 1.0 | 0.8 | 0.7 |
| 18 Manufacture of wearing apparel | 2.2 | 1.0 | 1.1 | 1.5 | 1.3 |
| 19 Manufacture of leather products | 0.0 | 1.4 | 0 | 0.0 | 0.0 |
| 20 Wood and products of wood | 0.1 | 0 | 0.2 | 0.7 | 0.8 |
| 22 Publishing and printing | 4.0 | 3.1 | 4.4 | 4.0 | 4.6 |
| 24 Chemicals and chemical products | 14.9 | 3.6 | 16.3 | 6.4 | 11.5 |
| 26 Non-metallic mineral products | 11.2 | 11.3 | 6.5 | 12.4 | 10.1 |
| 28 Fabricated metal products | 5.4 | 9.6 | 3.3 | 3.7 | 1.1 |
| 35 Other transport equipment | 0.8 | 0 | 1.0 | 0.5 | 0.7 |
| 36 Manufacture of furniture | 4.9 | 0.4 | 5.1 | 3.9 | 6.0 |
| 37 Other manufacturing industries | 0.4 | 2.8 | 3.0 | 3.2 | 3.3 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31

Table 4.5: Percentage distribution of manufacturing production by Island division for 2002-2006

|  | Percentages |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Island division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ (R) | $\mathbf{2 0 0 6}$ |
| 1 Tongatapu | 92.7 | 76.3 | 90.6 | 90.4 | 93.3 |
| 2 Vava'u | 5.9 | 21.9 | 7.2 | 7.5 | 4.2 |
| 3\&4 Ha'apai \& 'Eua | 4.4 | 1.8 | 2.2 | 2.1 | 2.5 |
| Total | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ |

Source: Manufacturing survey, Statistics Dept.

Table 4.6: Percentage distribution of manufacturing production by Institutional sector for 2002-2006
Percentages

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5 ( R )}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{1}$ Private | 96.6 | 94.3 | 98.3 | 97.5 | 97.2 |
| $\mathbf{2 \& 3}$ Government and quasi-government | 3.4 | 5.7 | 1.7 | 2.5 | 2.8 |
| Total | 100.0 | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 0 0 . 0}$ |

Source: Manufacturing survey, Statistics Dept.

Table 4.7: Average production per establishment by ISIC division for 2002-2006

| T\$('000) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 15 Food products and beverages | 287 | 358 | 268 | 277 | 283 |
| 17 Manufacture of textiles | 70 | 118 | 102 | 165 | 67 |
| 18 Manufacture of wearing apparel | 60 | 37 | 32 | 45 | 41 |
| 19 Manufacture of leather products | 0 | 0 | 0 | 0 | 0 |
| 20 Wood and products of wood | 10 | 279 | 13 | 35 | 38 |
| 22 Publishing and printing | 380 | 327 | 347 | 321 | 318 |
| 24 Chemicals and chemical products | 1,150 | 1028 | 1,301 | 512 | 786 |
| 26 Non-metallic mineral products | 490 | 391 | 412 | 499 | 276 |
| 28 Fabricated metal products | 240 | 115 | 150 | 170 | 43 |
| 35 Other transport equipment | 80 | 77 | 294 | 152 | 92 |
| 36 Manufacture of furniture | 100 | 71 | 115 | 85 | 126 |
| 37 Other manufacturing industries | 30 | 338 | 322 | 340 | 303 |
| Total | 252 | 279 | 250 | 238 | 228 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31

Table4.8: Average production per establishment by Island division for 2002-2006


Source: Manufacturing survey, Statistics Dept.

Table 4.9: Average production per establishment by Institutional sector for 2002-2006


Source: Manufacturing survey, Statistics Dept.

Table 4.10: Average production per production worker by ISIC division for 2002-2006

| T\$('000) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 15 Food products and beverages | 28 | 36 | 25 | 28 | 8 |
| 17 Manufacture of textiles | 8 | 17 | 43 | 12 | 12 |
| 18 Manufacture of wearing apparel | 20 | 14 | 8 | 14 | 12 |
| 19 Manufacture of leather products | 0 | 0 | 0 | 0 | 0 |
| 20 Wood and products of wood | 1 | 13 | 1 | 2 | 3 |
| 2122 Publishing and printing | 11 | 13 | 26 | 22 | 21 |
| 24137 Chemicals and chemical products | 178 | 147 | 52 | 20 | 137 |
| 26 Non-metallic mineral products | 57 | 44 | 85 | 160 | 30 |
| 28 Fabricated metal products | 49 | 24 | 38 | 17 | 7 |
| 35 Other transport equipment | 13 | 14 | 36 | 11 | 15 |
| 36 Manufacture of furniture | 20 | 14 | 31 | 23 | 24 |
| 37 Other manufacturing industries | 71 | 23 | 15 | 15 | 18 |
| Total | 30 | 32 | 27 | 25 | 26 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31

Table 4.11: Average production per production worker by Island division for 2002-2006


Source: Manufacturing survey, Statistics Dept.

Table 4.12: Average production per production worker by Institutional sector for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Institutional sector | 2002 | 2003 | 2004 | 2005 (R) | 2006 |
| 1 Private | 32 | 35 | 30 | 28 | 28 |
| 2\&3 Government and quasi-government | 7 | 13 | 4 | 5 | 7 |
| Total | 30 | 32 | 27 | 25 | 26 |

Source: Manufacturing survey, Statistics Dept.

Table 4.13: Manufacturing employment by ISIC division for 2002-2006

|  |  |  |  | Number |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 704 | 761 | 825 | 853 | 710 |
| 17 Manufacture of textiles | 40 | 25 | 8 | 25 | 28 |
| 18 Manufacture of wearing apparel | 55 | 60 | 52 | 49 | 40 |
| 19 Manufacture of leather products | 14 | 14 | 0 | 0 | 0 |
| 20 Wood and products of wood | 77 | 87 | 79 | 106 | 81 |
| 22 Publishing and printing | 109 | 108 | 102 | 104 | 73 |
| 24 Chemicals and chemical products | 29 | 31 | 30 | 30 | 27 |
| 26 Non-metallic mineral products | 70 | 87 | 31 | 75 | 97 |
| 28 Fabricated metal products | 37 | 36 | 41 | 63 | 48 |
| 35 Other transport equipment | 19 | 12 | 10 | 14 | 14 |
| 36 Manufacture of furniture | 90 | 102 | 70 | 77 | 93 |
| 37 Other manufacturing industries | 14 | 52 | 85 | 94 | 56 |
| Total | 1,258 | 1,375 | 1,333 | 1,490 | 1,267 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes16, 21, 29, 30 and 31

Table 4.14: Manufacturing employment by Island division for 2002-2006

|  |  |  |  | Number |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Island division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Tongatapu | 1,013 | 1,104 | 1,188 | 1,275 | 1,076 |
| 2 Vava'u | 165 | 219 | 105 | 127 | 103 |
| 3\&4 Ha'apai \& 'Eua | 80 | 52 | 40 | 88 | 88 |
| Total | 1,258 | 1,375 | 1,333 | 1,490 | 1,267 |

Source: Manufacturing survey, Statistics Dept.

Table 4.15: Manufacturing employment by Institutional sector for 2002-2006

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{1}$ Private | 1103 | 1,215 | 1,181 | 1,315 | 1,158 |
| $\mathbf{2 \& 3}$ Government and quasi-government | 155 | 160 | 152 | 175 | 109 |
| Total | $\mathbf{1 , 2 5 8}$ | $\mathbf{1 , 3 7 5}$ | $\mathbf{1 , 3 3 3}$ | $\mathbf{1 4 9 0}$ | $\mathbf{1 , 2 6 7}$ |

Source: Manufacturing survey, Statistics Dept.

Table 4.16: Percentage distribution of manufacturing employment by ISIC division for 2002-2006

|  |  |  |  | Percentages |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 55.9 | 55.3 | 61.8 | 57.2 | 56.0 |
| 17 Manufacture of textiles | 3.3 | 1.8 | 0.6 | 1.6 | 2.2 |
| 18 Manufacture of wearing apparel | 4.5 | 4.3 | 3.8 | 3.3 | 3.2 |
| 19 Manufacture of leather products | 1.1 | 1.0 | 0 | 0 | 0.0 |
| 20 Wood and products of wood | 6.3 | 6.3 | 5.8 | 7.1 | 6.4 |
| 22 Publishing and printing | 8.9 | 7.9 | 7.6 | 7.0 | 5.8 |
| 24 Chemicals and chemical products | 2.4 | 2.3 | 2.3 | 2.0 | 2.1 |
| 26 Non-metallic mineral products | 5.7 | 6.3 | 2.2 | 5.0 | 7.7 |
| 28 Fabricated metal products | 3.0 | 2.6 | 3.0 | 4.2 | 3.8 |
| 35 Other transport equipment | 1.6 | 1.0 | 0.9 | 0.9 | 1.1 |
| 36 Manufacture of furniture | 7.4 | 7.4 | 5.3 | 5.2 | 7.3 |
| 37 Other manufacturing industries | 1.1 | 3.7 | 6.4 | 6.5 | 4.4 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31

Table 4.17: Percentage distribution of manufacturing employment by Island division for 2002-2006

|  | Percentages |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Island division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Tongatapu | 80.5 | 80.3 | 89.1 | 85.6 | 84.9 |
| 2 Vava'u | 13.1 | 15.9 | 7.8 | 8.5 | 8.1 |
| 3\&4 Ha'apai \& 'Eua | 6.3 | 3.8 | 3.1 | 5.9 | 7.0 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Source: Manufacturing survey, Statistics Dept.

Table 4.18: Percentage distribution of manufacturing employment by Institutional sector for 2002-2006

|  |  |  |  | Percentages |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Institutional sector | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Private | 87.8 | 88.4 | 88.6 | 88.3 | 91.4 |
| 2\&3 Government and quasi-government | 12.2 | 11.6 | 11.4 | 11.7 | 8.6 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Source: Manufacturing survey, Statistics Dept.

Table 4.19: Number of manufacturing production workers by ISIC division for 2002-2006

|  |  |  |  | Number |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 580 | 612 | 728 | 734 | 569 |
| 17 Manufacture of textiles | 35 | 20 | 7 | 21 | 24 |
| 18 Manufacture of wearing apparel | 34 | 37 | 41 | 35 | 30 |
| 19 Manufacture of leather products | 11 | 11 | 0 | 0 | 0 |
| 20 Wood and products of wood | 60 | 87 | 79 | 102 | 79 |
| 22 Publishing and printing | 106 | 103 | 54 | 59 | 61 |
| 24 Chemicals and chemical products | 26 | 28 | 99 | 101 | 23 |
| 26 Non-metallic mineral products | 61 | 80 | 24 | 25 | 91 |
| 28 Fabricated metal products | 34 | 34 | 28 | 69 | 45 |
| 35 Other transport equipment | 18 | 11 | 8 | 14 | 12 |
| 36 Mafacture of furniture | 75 | 80 | 52 | 55 | 68 |
| 37 Other manufacturing industries | 10 | 45 | 61 | 66 | 51 |
| Total | 1,050 | 1,148 | 1,181 | 1,281 | 1,053 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31

Table 4.20: Number of manufacturing production workers by Island division for 2002-2006

| Island division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 1 Tongatapu | 922 | 939 | 1,059 | 1,110 | 936 |
| 2 Vava'u | 86 | 170 | 94 | 103 | 54 |
| 3\&4 Ha'apai \& 'Eua | 42 | 39 | 28 | 68 | 63 |
| Total | $\mathbf{1 , 0 5 0}$ | $\mathbf{1 , 1 4 8}$ | $\mathbf{1 , 1 8 1}$ | $\mathbf{1 , 2 8 1}$ | $\mathbf{1 , 0 5 3}$ |

Table 4.21: Number of manufacturing production workers by Institutional sector for 2002-2006

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 1 Private | 895 | 988 | 1,029 | 1,107 | 944 |
| 2\&3 Government and quasi-government | 155 | 160 | 152 | 174 | 109 |
| Total | $\mathbf{1 , 0 5 0}$ | $\mathbf{1 , 1 4 8}$ | $\mathbf{1 , 1 8 1}$ | $\mathbf{1 , 2 8 1}$ | $\mathbf{1 , 0 5 3}$ |

Table 4.22: Manufacturing wages and salaries by ISIC division for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 2,296 | 2,804 | 3,037 | 3,011 | 2,945 |
| 17 Manufacture of textiles | 114 | 101 | 90 | 100 | 88 |
| 18 Manufacture of wearing apparel | 142 | 178 | 204 | 163 | 164 |
| 19 Manufacture of leather products | 44 | 44 | 0 | 0 | 0 |
| 20 Wood and products of wood | 274 | 225 | 231 | 320 | 162 |
| 22 Publishing and printing | 648 | 610 | 562 | 544 | 645 |
| 24 Chemicals and chemical products | 132 | 154 | 205 | 218 | 236 |
| 26 Non-metallic mineral products | 337 | 347 | 132 | 258 | 307 |
| 28 Fabricated metal products | 144 | 140 | 371 | 250 | 189 |
| 35 Other transport equipment | 54 | 73 | 49 | 83 | 68 |
| 36 Manufacture of furniture | 390 | 555 | 445 | 516 | 614 |
| 37 Other manufacturing industries | 67 | 123 | 280 | 293 | 245 |
| Total | 4,642 | 5,354 | 5,606 | 5,756 | 5,663 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includesm16, 21, 29, 30 and 31

Table 4.23: Manufacturing wages and salaries by Island division for 2002-2006

|  |  |  |  |  | T\$('000) |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Island division | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| T Tongatapu | 4,225 | 4,461 | 5,116 | 5,173 | 5,089 |
| 2 Vava'u | 296 | 772 | 399 | 374 | 347 |
| 3\&4 Ha'apai \& 'Eua | 121 | 121 | 91 | 209 | 227 |
| Total | $\mathbf{4 , 6 4 2}$ | $\mathbf{5 , 3 5 4}$ | $\mathbf{5 , 6 0 6}$ | $\mathbf{5 , 7 5 6}$ | $\mathbf{5 , 6 6 3}$ |

Source: Manufacturing survey, Statistics Dept.

Table 4.24: Manufacturing wages and salaries by Institutional sector for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Institutional sector | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Private | 3,879 | 4,689 | 4,. 957 | 5,010 | 5,038 |
| 2\&3 Government and quasi-government | 763 | 665 | 649 | 746 | 625 |
| Total | 4,642 | 5,354 | 5,606 | 5,756 | 5,663 |

Source: Manufacturing survey, Statistics Dept.

Table 4.25: Percentage distribution of manufacturing wages and salaries by ISIC division for 2002-2006

|  |  |  | Percentages |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 49.5 | 52.4 | 54.2 | 52.3 | 52.0 |
| 17 Manufacture of textiles | 2.5 | 1.9 | 1.6 | 1.7 | 1.6 |
| 18 Manufacture of wearing apparel | 3.1 | 3.3 | 3.6 | 2.8 | 2.9 |
| 19 Manufacture of leather products | 0.9 | 0.8 | 0 | 0 | 0.0 |
| 20 Wood and products of wood | 5.9 | 4.2 | 4.1 | 5.6 | 2.9 |
| 22 Publishing and printing | 14.0 | 11.4 | 10.0 | 9.5 | 11.4 |
| 24 Chemicals and chemical products | 2.8 | 2.9 | 3.7 | 3.8 | 4.2 |
| 26 Non-metallic mineral products | 7.3 | 6.5 | 2.4 | 4.5 | 5.4 |
| 28 Fabricated metal products | 3.1 | 2.6 | 6.6 | 4.3 | 3.3 |
| 35 Other transport equipment | 1.2 | 1.4 | 1.0 | 1.4 | 1.2 |
| 36 Manufacture of furniture | 8.4 | 10.4 | 7.9 | 8.9 | 10.8 |
| 37 Other manufacturing industries | 1.4 | 2.2 | 4.9 | 5.1 | 4.3 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31

Table 4.26: Percentage distribution of manufacturing wages and salaries by Island division for 2002-2006

|  |  |  | Percentages |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Island division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Tongatapu | 91.0 | 83.3 | 91.3 | 89.9 | 89.9 |
| 2 Vava'u | 6.4 | 14.4 | 7.1 | 6.5 | 6.1 |
| 3\&4 Ha'apai \& 'Eua | 2.6 | 2.3 | 1.6 | 3.6 | 4.0 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Source: Manufacturing survey, Statistics Dept.

Table 4.27: Percentage distribution of manufacturing wages and salaries by Institutional sector for 20022006

|  |  |  | Percentages |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Institutional sector | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Private | 83.6 | 87.6 | 88.4 | 87.0 | 89.0 |
| 2\&3 Government and quasi-government | 16.4 | 12.4 | 11.6 | 13.0 | 11.0 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Source: Manufacturing survey, Statistics Dept.

Table 4.28: Wages and salaries of production workers by ISIC division for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 1,985 | 2,309 | 2,440 | 2,444 | 2,096 |
| 17 Manufacture of textiles | 114 | 79 | 90 | 92 | 80 |
| 18 Manufacture of wearing apparel | 88 | 113 | 154 | 119 | 128 |
| 19 Manufacture of leather products | 17 | 17 | . 0 | 0 | 0 |
| 20 Wood and products of wood | 274 | 225 | 231 | 320 | 161 |
| 22 Publishing and printing | 593 | 548 | 187 | 184 | 503 |
| 24 Chemicals and chemical products | 75 | 80 | 414 | 305 | 69 |
| 26 Non-metallic mineral products | 277 | 308 | 96 | 94 | 285 |
| 28 Fabricated metal products | 134 | 130 | 288 | 204 | 167 |
| 35 Other transport equipment | 51 | 58 | 42 | 67 | 61 |
| 36 Manufacture of furniture | 288 | 425 | 306 | 324 | 471 |
| 37 Other manufacturing industries | 27 | 70 | 327 | 313 | 180 |
| Total | 3,924 | 4,362 | 4,575 | 4,466 | 4,201 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31

Table 4.29: Wages and salaries of production workers by Island division for 2002-2006

|  |  |  |  | T\$('000) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Island division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Tongatapu | 3,620 | 3,558 | 4,113 | 3,932 | 3,845 |
| 2 Vava'u | 188 | 683 | 380 | 342 | 151 |
| 3\&4 Ha'apai \& 'Eua | 116 | 121 | 82 | 192 | 205 |
| Total | 3,924 | 4,362 | 4,575 | 4,466 | 4,201 |

Source: Manufacturing survey, Statistics Dept.

Table 4.30: Wages and salaries of production workers by Institutional sector for 2002-2006

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: |
| 1 Private | 3,161 | 3,697 | 3,925 | 3,844 | 3,670 |
| 2\&3 Government and quasi-government | 763 | 665 | 650 | 622 | 531 |
| Total | $\mathbf{3 , 9 2 4}$ | $\mathbf{4 , 3 6 2}$ | $\mathbf{4 , 5 7 5}$ | $\mathbf{4 , 4 6 6}$ | $\mathbf{4 , 2 0 1}$ |

Source: Manufacturing survey, Statistics Dept.

Table 4.31: Average weekly wage rate for production worker by ISIC division 2002-2006


Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31.

Table 4.32: Average weekly wage rate for production worker by Island division 2002-2006

| Island division | 2002 | 2003 | 2004 | 2005 | 2006 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 Tongatapu | 75 | 75 | 74 | 68 | 79 |
| 2 Vava'u | 60 | 60 | 79 | 64 | 54 |
| 3\&4 Ha'apai \& 'Eua | 53 | 53 | 56 | 54 | 63 |
| Total | 71 | 73 | 74 | 67 | 77 |

Source: Manufacturing survey, Statistics Dept.

Table 4.33: Average weekly wage rate for production worker by Institutional sector 2002-2006

| Institutional sector | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 1 Private | 67 | 68 | 73 | 67 | 75 |
| 2\&3 Government and quasi-government | 95 | 95 | 82 | 69 | 94 |
| Total | 71 | 73 | 74 | 67 | 77 |

Source: Manufacturing survey, Statistics Dept.

Table 4.34: Number of manufacturing establishments by ISIC division for 2002-2006

|  |  |  | Number |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ISIC division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 15 Food products and beverages | 60 | 62 | 69 | 73 | 58 |
| 17 Manufacture of textiles | 4 | 3 | 3 | 3 | 3 |
| 18 Manufacture of wearing apparel | 12 | 14 | 11 | 11 | 9 |
| 19 Manufacture of leather products | 2 | 2 | 0 | 0 | 0 |
| 20 Wood and products of wood | 4 | 4 | 6 | 6 | 6 |
| 22 Publishing and printing | 3 | 4 | 4 | 4 | 4 |
| 24 Chemicals and chemical products | 4 | 4 | 4 | 4 | 4 |
| 26 Non-metallic mineral products | 7 | 9 | 5 | 8 | 10 |
| 28 Fabricated metal products | 7 | 7 | 7 | 7 | 7 |
| 35 Other transport equipment | 3 | 2 | 1 | 1 | 2 |
| 36 Manufacture of furniture | 15 | 16 | 14 | 15 | 13 |
| 37 Other manufacturing industries | 2 | 3 | 3 | 3 | 4 |
| Total | 123 | 130 | 127 | 135 | 120 |

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 21, 29, 30 and 31

Table 4.35: Number of manufacturing establishments by Island division for 2002-2006

|  |  |  |  | Number |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Island division | 2002 | 2003 | 2004 | 2005 | 2006 |
| 1 Tongatapu | 82 | 88 | 79 | 86 | 84 |
| 2 Vava'u | 30 | 30 | 32 | 32 | 18 |
| 3\&4 Ha'apai \& 'Eua | 11 | 12 | 16 | 17 | 18 |
| Total | 123 | 130 | 127 | 135 | 120 |

Source: Manufacturing survey, Statistics Dept.

Table 4.36: Number of manufacturing establishments by Institutional sector for 2002-2005

| Institutional sector | 2002 | 2003 | 2004 | 2005 | 2006 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| 1 Private | 117 | 125 | 122 | 130 | 115 |
| $2 \& 3$ Government and quasi-government | 6 | 5 | 5 | 5 | 5 |
| Total | 123 | 130 | 127 | 135 | 120 |

Source: Manufacturing survey, Statistics Dept.

## QUARTERLY SURVEY OF MANUFACTURING PRODUCTION, EMPLOYMENT AND WAGES/SALARIES

"INFORMATION BEING COLLECTED UNDER SECTION 8(3) OF STATISTICS ACT 1978 (ACT No. 31)"

QUARTER:

1. Name and Address:
of Establishment

Establishment No.
Type of Organisation ISIC Code

Island division

$\qquad$
2. PRODUCTION
2.1 Main Products
a.
b.
c.
d.
2.2 Other than main products
2.3 Receipts for work done for others

TOTAL

| Product <br> Code <br> (Office <br> Use) | QUARTER: |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Unit | Month: |  | Month: |  | Month: |  |
|  | Of Measurement | Quantity | (T\$) <br> Value | Quantity | (T\$) <br> Value | Quantity | (T\$) <br> Value |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

Comments: $\qquad$

## 3. EMPLOYMENT AND WAGES/SALARIES

3.1 Category of Employees:
a. Working Proprietors and Active Partners
b. Production Workers:

1. Regular/Full-time
2. Part-time/Casual/Daily Paid
c. Unpaid Family Workers
d. All Other Employees

Total Male
Total Female
GRAND TOTAL
3.2 Memorandum item: Wages and Salaries

Paid in kind; estimated value

| QUARTER: |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Month: |  |  | Month: |  |  | Month: |  |  |
| Sex | No. | Wages \& Salaries Paid (T\$) | Sex | No. | Wages \& Salaries <br> Paid (T\$) | Sex | No. | Wages \& Salaries <br> Paid (T\$) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| M |  |  | M |  |  | M |  |  |
| F |  |  | F |  |  | F |  |  |
| M |  |  | M |  |  | M |  |  |
| F |  |  | F |  |  | F |  |  |
| M |  |  | M |  |  | M |  |  |
| F |  |  | F |  |  | F |  |  |
| M |  |  | M |  |  | M |  |  |
| F |  |  | F |  |  | F |  |  |
| M |  |  | M |  |  | M |  |  |
| F |  |  | F |  |  | F |  |  |
| M |  |  | M |  |  | M |  |  |
| F |  |  | F |  |  | F |  |  |
| No. |  |  | No. |  |  | No. |  |  |
|  | (T\$) |  |  | (T\$) |  |  | (T\$) |  |

Note: M (Male) F (Female)

## 4. DECLARATION:

"I declare that the information furnished is complete and correct to the best of my knowledge."
Name:
Position: $\qquad$
Date: $\qquad$

SAVEA FAKAKUATA ‘O E NGAAHI NGAUE’ANGA NGAOHI KOLOA
"KO E NGAAHI FAKAMATALA NI ‘OKU TANAKI IA HE MAFAI ‘O E LAO FIKA 31 ‘O E 1978 KUPU 8(3)"


## INSTRUCTIONS FOR COMPLETING THE QUESTIONNAIRE ON QUARTERLY SURVEY OF MANUFACTURING PRODUCTION, EMPLOYMENT AND WAGES/SALARIES.

## 1. GENERAL

Please note that the code number on the right hand corner of the questionnaire is your establishment's code number based on the Register of Establishments maintained in the Statistics Department. The information, being requested should relate only to the quarter referred to in the questionnaire.

## 2. PRODUCTION

2.1 Please enter all the products produced by the establishment and for each such product please: -
i) Specify the unit used for measuring each product (e.g. kg, dozen, litre etc.)
ii) Enter the average quantity, in the unit stated in (I) above, of the products produced during each month of the reference quarter.
iii) Enter the average ex-factory value of the quantity referred to in (II) above.
2.2 Enter here the total value of the products other than the main ones mentioned in 2.1 manufactured by the establishment.
2.3 Enter here the total value of work done by your establishment for others.

## 3. EMPLOYMENT AND WAGES/SALARIES

For each category of employees (at 3.1 a to d) please: -
i) Enter in the column "No" either column 2,5 and 8 the total number of persons engaged in the establishment on the last payday of each month of the reference quarter. The family workers working on the last payday should be entered though they may not be paid.
ii) Enter in column "Wages/Salaries Paid" either column 3, 6 and 9 the total amount of wages and salaries paid to employees by cash/cheque as compensation for the services rendered by them. This should include all payments made on account of bonuses, cost of living allowances and wages paid during vacation and sick leave for the reference period. Payments made to (1) regular/full-time and (2) part-time/casual and daily paid workers should be shown separately.

### 3.1 Category of Employees: -

a) Working proprietors and active partners: are all individual proprietors and partners who are actively engaged in the work of the establishment.
b) Production workers: are those who are directly engaged for pay in the production activities of the establishment. They may be full-time/regular or part-time/casual/daily paid.
c) Unpaid family workers: refers to all such family members working in the establishment without regular pay at least one-third of the normal working time.
d) Other employees: refers to all persons other than those listed above working in the establishment. This shall include administrative, technical and clerical personnel such as salaried Managers, Directors, Clerks, Typist, Bookkeepers, Administrative Supervisors, Salesmen, etc. Proprietors and partners shall be excluded in here but included under 3.1(a) above.
3.2 Memorandum items: (wages and salaries paid in kind) refers to the net cost to the employer, of those goods and services provided to employees free of charge or at a markedly reduced cost which are clearly of benefit to employees. The items included normally are food, beverages, tobacco, clothing etc. Note that an estimated value of these items will be acceptable.
"MALU’I MO FAKAPULIPULI"

## NGAAHI FAKAHINOHINO 'O E FOOMU FEHU'I FEKAU'AKI MO E SAVEA FAKAKUATA 'O E NGAAHI NGAUE'ANGA NGAOHI KOLOA.

## 1. FAKALUKUFUA

Kataki 'o fakatokanga'i ange ko e fika mo e fakamatala kotoa pe teke 'omai 'e tauhi fakapulipuli ia 'i he potungaue pea 'e 'ikai ke to e faka'aonga'i ia ki ha 'uhinga kehe. Ko e fika ko ia he ki'i puha he tuliki to'omata'u 'i 'olunga, ko e fika ia ho fale ngaue'anga 'o fakatatau ki he lekooti 'oku mau tauhi he potungaue ni. Ko e ngaahi fakamatala mo e fika kotoa pe 'a ia 'oku fai ki ai e faka'eke'eke ni kuo pau ke fekau'aki ia mo e kuata 'oku fakaha atu he foomu fehu'i.

## 2. KOLOA NA'E NGAOHI

2.1 Kataki 'o lisi mai e ngaahi koloa kehekehe kotoa pe na’e ngaohi 'i ho fale ngaue lolotonga e kuata ko ia 'oku fai ki ai e faka'eke'eke pea kataki 'o: -
I) Fokotu'u mai he kolomu 2 'a e 'iuniti takitaha 'oku ngaue'aki ki hono fua/lau 'o e koloa takitaha na'e ngaohi 'i he ngaue'anga, (hange ko e kilokalami, toseni, lita etc.)
II) Fakafonu mai he kolomu 3, 5 mo e 7 'a e lahi 'o e koloa takitaha fakatatau ki he ‘iuniti ‘oku ha 'i he I) 'i ‘olunga na'e ngaohi 'i he ngaue'anga lolotonga e mahina takitaha 'o e kuata 'oku fai ki ai e faka’eke’eke.
III) Fakafonu 'i he kolomu 4, 6 mo e 8 'a e mahu'inga e koloa takitaha na’e ngaohi 'i he ngaue'anga fakatatau ki he lahi 'oku ha 'i he II) 'i 'olunga lolotonga e mahina takitaha 'o e kuata ko ia.
2.2 Fakafonu mai e mahu'inga fakakatoa e ngaahi koloa na'e ngaohi kehe mei he koloa 'oku ha 'i he 2.1.
2.3 Fakafonu e mahu'inga fakakatoa e pa’anga na’e ma’u mai 'i ha ngaue kehe na'e fai 'i he ngaue’anga (hange ko e ngaue konituleki).

## 3. KAU NGAUE MO E VAHENGA

## 'I hono fakakalakalasi 'o e kau ngaue ('i he 3.1 (a ki he h)) kataki: -

i) Hanga 'o fakafonu ange 'i he kolomu 2,5 mo e 8 'a e tokolahi fakakatoa e kau ngaue he mahina takitaha 'o e kulupu takitaha 'o e kau ngaue 'o fakatatau ki hono fakakalakalasi 'oku ha atu.
ii) Fakafonu ange he kolomu 3, 6 mo e 9 'a e fakakatoa e pa’anga vahenga ne 'oange ki he kulupu takitaha 'o e kau ngaue lolotonga e mahina takitaha 'o e kuata.

### 3.1 Kulupu 'o e kau ngaue: -

a) Tokotaha 'oku 'o'ona e ngaue'ang: ‘oku 'uhinga 'eni ki he tokotaha 'oku 'o’ona e ngaue'anga pea ne toe ngaue foki ki hono ngaohi e koloa.
e) Kau ngaue 'oku nau ngaohi e koloa: 'oku 'uhinga eni ki he kau ngaue 'oku nau tautonu ki hono ngaohi e koloa ko ia 'i he ngaue'anga, hange ko e kau ngaue tu'upau/fakataimi/lau'aho (kau ta'oma, kau ta piliki etc.)
f) Memipa 'o e famili 'oku ngaue 'o 'ikai ha vahenga: ‘oku 'uhinga 'eni ki ha memipa 'o e famili ‘oku ngaue 'i he ngaue'anga 'o 'ikai ha totongi tu'upau 'o 'ikai toe si'i hifo 'i he vahetolu 'e taha 'o e houa ngaue tu'upau.
h) Toenga 'o e kau ngaue: ‘oku ‘uhinga 'eni ki he kau ngaue ‘oku 'ikai ke nau kau 'i he fa’ahinga 'o e kau ngaue 'oku ha atu 'i ‘olunga, ki hono ngaohi 'o e koloa, (hange ko e kalake, tauhitohi, le’o, faka'uli, faitaipe etc.) ka 'oku nau kau he ma'u vahenga he ngaue'anga.
3.2 Ngaahi koloa 'oku foaki 'ikai ha totongi: 'oku 'uhinga 'eni ki hono fakamahu'inga'i ki he tokotaha ‘oku ‘a’ana ‘a e ngaue’anga ‘a e ngaahi koloa pe ko e ngaahi ‘aonga 'o e ngaue’anga ki he kau ngaue 'o 'ikai ha totongi pe ko e totongi 'oku ma'ulalo ange 'i he totongi totonu (lau ki ai 'a e me’atokoni, inu, tapaka mo e vala).


[^0]:    Source: Manufacturing survey, Statistics Dept.

[^1]:    Source: Manufacturing survey, Statistics Dept.

