



# MANUFACTURING OUTPUT, EMPLOYMENT AND WAGES/SALARIES

## 2016



## STATISTICS DEPARTMENT

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# PREFACE

This is the third Bulletin in the series on Manufacturing Output, Employment and Wages and Salaries, a result of the quarterly Surveys conducted by the Department for the various quarters of 2016. The survey results indicate the performance of the manufacturing industry in the Tongan Economy.

## **The bulletin is spread over three parts:**

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

**Part II:** has all the statistical tables showing growth and trend of manufacturing production, employment and wages/salaries.

**Part III:** 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.

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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)

## INTRODUCTION

1. The Department launched a regular quarterly survey of Manufacturing Production, Employment and Wages and Salaries effective from July-September 1983 up to 2007. The survey covered all manufacturing establishments and units that were registered as manufacturing type, (i) 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.
2. Information was collected by personal visit of the survey staff of the Department to the manufacturing enterprises, establishments and units that were operational in the various quarters starting July – September 1983 and subsequent to the last quarter (October-December) of 2007. Manufacturing survey came to a stop from 2008 to 2013 due to staff constraint resulted in time series and trend break of information. In 2014 Manufacturing survey started again with the first report after the break in the manufacturing time series. *This is the Third Bulletin on Manufacturing Output, Employment and Wages and Salaries contains data for calendar year 2016 published by the Department in June 2017.*
3. 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.
4. The survey did not cover enterprises, establishments and units that were engaged in (a) repair and maintenance of vehicles, machinery and equipment; (b) canning, preserving and processing of fish and fisheries products; and (c) household type of activities related to making handicrafts and the like.
5. The questionnaire used for collecting the data from the said manufacturing enterprises and units is given as Appendix 1. Instructions for completing the questionnaire will be found in Appendix 2. However the definitions used for manufacturing businesses for the survey in question were:

**Enterprises:** A single business entity, Private, Government, Quasi-government and Co-operative operating in Tonga as a legally constituted body such as a company, partnership, co-operative and also 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.

**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.

- 6. 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, Manufacturing Industries.

**THE FOLLOWING ISIC DIVISIONS HAVE BEEN USED:**

**DIVISION:**

- 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
- 24. Manufacture of chemicals and chemical products (tablets, paint and varnish etc.)
- 26. Manufacture of other non-metallic mineral products (concrete blocks and water tanks etc.)
- 28. Manufacture of Fabricated Metal Products
- 29. Manufacture of electrical machinery and apparatus
- 30. Manufacture of radio, television and communication equipment and apparatus
- 31. Manufacture of medical, precision and optical instruments, watches and clocks
- 35. Manufacture of other transport equipment (boat, cart, bicycle etc.)
- 36. Manufacture of furniture
- 37. Recycling and other manufacture industries n.e.c.



## SUMMARY OF SURVEY RESULTS

The survey showed that there were 82 establishments in operation with a production of T\$45.9 million. A total of 585 persons were employed in manufacturing along with T\$6.9 million of wages and salaries. *Table 1 below gives a summary of the survey.*

**Table 1. A complete summary of the survey results for calendar year 2016:**

Item	Unit	2016	Jan-Mar Qtr	Apr-Jun Qtr	Jul-Sept Qtr	Oct-Dec Qtr
1. Establishments covered	No.	82	79	84	84	81
2. Total production	T\$	45,947,192	9,548,537	11,946,993	11,515,529	12,936,133
3. Persons employed	No.	585	586	557	567	629
4. Wages and salaries	T\$	6,864,967	1,782,346	1,392,524	1,767,211	1,922,886

*Source: Manufacturing survey, Statistics Dept*

## MANUFACTURING OUTPUT

The survey showed that the total value of manufacturing output at end of 2016 was T\$45.9 million of which Food Products and Beverages Industries held the biggest share of T\$15.8 million (34%) of total output. Non-metallic Mineral Products followed with T\$9.3 million (20%), Manufacture of Fabricated Metal Products with T\$3.6 million (8%), Chemicals and Chemical Products with T\$2.5 million (5%), Manufacture of furniture with T\$1.7 million (4%) and the remaining T\$13.1 million (29%) was shared among Recycling and Other Manufacture Industries.

### Production level and its share by ISIC Division

ISIC Div.	2016		
	Description	(T\$)	%
15	Food Products and Beverages	15,803,390	34.4
17	Manufacture of Textiles	197,301	0.4
18	Manufacture of Wearing Apparel	543,181	1.2
20	Wood and Products of Wood	1,533,179	3.3
22	Publishing and Printing	1,169,175	2.5
24	Chemicals and Chemical Products	2,469,547	5.4
26	Non-metallic Mineral Products	9,325,940	20.3
28	Fabricated Metal Products	3,562,213	7.8
36	Manufacture of Furniture	1,650,872	3.6
37	Recycling and Other Manufacturing Industries	9,692,395	21.1
	<b>All Manufacturing</b>	<b>45,947,192</b>	<b>100</b>

*Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.*

9. The Divisional contribution in Manufacturing Output showed that Tongatapu division dominated the production by T\$37.8 million (82%), while Vava'u, Ha'apai and 'Eua divisions contributed the remaining T\$8.1 million (18%).

### Production level and its share by Island Division

Division	2016		
	Island	(T\$)	%
01	Tongatapu Division	37,805,502	82.3
02	Vava'u Division	7,352,843	16.0
03	Ha'apai & 'Eua Division	788,848	1.7
	<b>All Manufacturing</b>	<b>45,947,192</b>	<b>100.0</b>

Source: Manufacturing survey, Statistics Dept

10. The contribution by Institutional Sector to Manufacturing Output was noted as given in the table hereunder; it will be seen that the Private Sector contributed T\$43.7 million (95%) as the highest and the Government and Quasi-Government Sectors T\$2.2 million (5%).

### Production level and its share by Institutional Sector

Institutional	2016		
	Sector	(T\$)	%
01	Private Sector	43,734,667	95.2
02	Government and Quasi-Government Sectors	2,212,526	4.8
	<b>All Manufacturing</b>	<b>45,947,192</b>	<b>100.0</b>

## Manufacturing Employment

11. The level of employment carried by each Industrial division at end of 2016 is given below:

### Employment level and its share by ISIC Division

ISIC Div.	2016		
	Description	(T\$)	%
15	Food Products and Beverages	239	40.80
17	Manufacture of Textiles	12	2.05
18	Manufacture of Wearing Apparel	22	3.69
20	Wood and Products of Wood	88	15.02
22	Publishing and Printing	33	5.67
24	Chemicals and Chemical Products	12	2.00
26	Non-metallic Mineral Products	106	18.06
28	Fabricated Metal Products	9	1.54
36	Manufacture of Furniture	43	7.40
37	Recycling and Other Manufacturing Industries	22	3.78
	<b>All Manufacturing</b>	<b>585</b>	<b>100.0</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

12. The survey showed that the share of employment in 2016 commanded by Food and Beverages Industries held the highest number of 239 in employment (41%), followed by Non-metallic Mineral Industries with 106 in employment (18%), Wood and Products of Industries 88 in employment (15%), Furniture Industries 43 in employment (7%), Publishing and Printing Industries 33 in employment (6%) and the remaining 77 in employment (13%) distributed among Other Industries not mentioned above.

13. By Division, Tongatapu division employed 491 of the total employment (84%), Vava'u division employed 65 (11%), Ha'apai and 'Eua divisions employed 29 (5%) of the total employment.

#### Employment level and its share by Island Divisions

Division	Island	2016	
		(T\$)	%
01	Tongatapu Division	491	83.93
02	Vava'u Division	65	11.11
03	Ha'apai & 'Eua Division	29	4.96
	<b>All Manufacturing</b>	<b>585</b>	<b>100.0</b>

14. The employment position at the Sectoral level indicated that the Private Sector had 483 employments (83%), while the Government and Quasi-Government Sectors employed 102 (17%). The level of employment carried by each institutional Sector at end of 2016 is given below:

#### Employment level and its share by Institutional Sector

Institutional	Sector	2016	
		(T\$)	%
01	Private Sector	483	82.56
02	Government and Quasi-Government Sectors	102	17.44
	<b>All Manufacturing</b>	<b>585</b>	<b>100.0</b>

## Manufacturing Wages/Salaries

15. The level of wages and salaries paid by each Industrial Division at end of 2016 is given below:

### Wages and Salaries level and its share by ISIC Division

ISIC Div.	Description	2016	
		(T\$)	%
15	Food Products and Beverages	2,586,542	37.68
17	Manufacture of Textiles	79,500	1.16
18	Manufacture of Wearing Apparel	228,020	3.32
20	Wood and Products of Wood	1,125,223	16.39
22	Publishing and Printing	333,019	4.85
24	Chemicals and Chemical Products	278,681	4.06
26	Non-metallic Mineral Products	1,180,469	17.20
28	Fabricated Metal Products	243,480	3.55
36	Manufacture of Furniture	423,095	6.16
37	Recycling and Other Manufacturing Industries	386,938	5.64
	<b>All Manufacturing</b>	<b>6,864,967</b>	<b>100.0</b>

*Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.*

16. The above table shows that the share of wages and salaries paid to employment carried by various divisions at end of 2016 were: Food Products and Beverages Industries took the highest share of payments T\$2.6 million (38%), followed by Non-metallic Mineral Products Industries with T\$1.2 million (17%), Wood and Products of Wood Industries T\$1.1 million (16%), Manufacture of Furniture Industries and Recycling and Other Manufacturing Industries contributed share of T\$0.4 million each (6%), and all Other Industries with T\$1.1 million (17%).

17. The level of wages and salaries carried by each Island Division at end of 2016 is given below:

### Wages and Salaries level and its share by Island Division

Division	Island	2016	
		(T\$)	%
01	Tongatapu Division	6,255,410	91.12
02	Vava'u Division	535,889	7.81
03	Ha'apai & 'Eua Division	73,668	1.07
	<b>All Manufacturing</b>	<b>6,864,967</b>	<b>100.0</b>

18. Tongatapu division also took the highest share of payments to employment which amounted to T\$6.3 million (91%), followed by Vava'u division T\$0.5 million (8%), Ha'apai and 'Eua divisions took the remaining T\$0.7 million (1%).

19. The level of wages and salaries carried by each Institutional Sector at end of 2016 is given below:

**Wages and Salaries level and its share by Institutional Sector**

Institutional	Sector	2016	
		(T\$)	%
01	Private Sector	5,679,183	82.73
02	Government and Quasi-Government Sectors	1,185,784	17.27
	<b>All Manufacturing</b>	<b>6,864,967</b>	<b>100.0</b>

20. At the sectoral level, the Private Sector's share was the highest T\$5.7 million (83%), followed by Government and Quasi-Government Sector which shared the remaining T\$1.2 million (17%).

## STATISTICAL TABLES

Table 1: Summary of Operations by ISIC Divisions for 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	39	15,803,390	239	2,586,542
17	Manufacture of Textiles	1	197,301	12	79,500
18	Manufacture of Wearing Apparel	8	543,181	22	228,020
20	Wood and Products of Wood	3	1,533,179	88	1,125,223
22	Publishing and Printing	3	116,9175	33	333,019
24	Chemicals and Chemical Products	3	246,9547	12	278,681
26	Non-metallic Mineral Products	13	932,5940	106	1,180,469
28	Fabricated Metal Products	3	356,2213	9	243,480
36	Manufacture of Furniture	7	165,0872	43	423,095
37	Recycling and Other Manufacture Industries n.e.c	2	969,2395	22	386,938
<b>All Manufacturing</b>		<b>82</b>	<b>45,947,192</b>	<b>585</b>	<b>6,864,967</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 2: Summary of Operations by Island Divisions for 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	53	37,805,502	491	6,255,410
02 Vava'u Division	18	7,352,843	65	535,889
03 Ha'apai & 'Eua Division	12	788,848	29	73,668
<b>All Manufacturing</b>	<b>82</b>	<b>45,947,192</b>	<b>585</b>	<b>6,864,967</b>

Table 3: Summary of Operations by Institutional sector for 2016

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	78	43,734,667	483	5,679,183
02 Government and Quasi-Government Sector	4	2,212,526	102	1,185,784
<b>All Manufacturing</b>	<b>82</b>	<b>45,947,192</b>	<b>585</b>	<b>6,864,967</b>

Table 4: Percentage Distribution of Operations by ISIC Division for 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	47.56	34.39	40.85	37.68
17	Manufacture of Textiles	1.22	0.43	2.05	1.16
18	Manufacture of Wearing Apparel	9.76	1.18	3.76	3.32
20	Wood and Products of Wood	3.66	3.34	15.04	16.39
22	Publishing and Printing	3.66	2.54	5.64	4.85
24	Chemicals and Chemical Products	3.66	5.37	2.05	4.06
26	Non-metallic Mineral Products	15.85	20.30	18.12	17.20
28	Fabricated Metal Products	3.66	7.75	1.54	3.55
36	Manufacture of Furniture	8.54	3.59	7.35	6.16
37	Other Manufacturing Industries	2.44	21.09	3.76	5.64
<b>All Manufacturing</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 5. Percentage Distribution of Operations by Island Division for 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	63.86	82.28	83.93	91.12
02 Vava'u Division	21.69	16.00	11.11	7.81
03 Ha'apai & 'Eua Division	14.46	1.72	4.96	1.07
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 6: Percentage Distribution of Operations by Institutional sector for 2016

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	95.12	95.18	82.56	82.73
02 Government and Quasi-Government Sector	4.88	4.82	17.44	17.27
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 7: Summary of Operations by ISIC Division for JANUARY - MARCH QUARTER 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	37	3,436,982	241	686,141
17	Manufacture of Textiles	1	53,510	11	18,900
18	Manufacture of Wearing Apparel	8	116,194	18	48,996
20	Wood and Products of Wood	3	352,676	89	278,849
22	Publishing and Printing	3	601,339	33	77,485
24	Chemicals and Chemical Products	3	464,817	13	70,668
26	Non-metallic Mineral Products	11	1,807,357	113	328,602
28	Fabricated Metal Products	3	599,977	9	60,870
36	Manufacture of Furniture	7	358,202	37	123,426
37	Recycling and Other Manufacturing Industries	3	1,757,483	22	88,409
<b>All Manufacturing</b>		<b>79</b>	<b>9,548,537</b>	<b>586</b>	<b>1,782,346</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 8. Summary of Operations by Island Division for JANUARY - MARCH QUARTER 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	52	7,560,186	500	1,646,489
02 Vava'u Division	15	1,801,869	60	113,284
03 Ha'apai & 'Eua Division	12	186,482	26	22,573
<b>All Manufacturing</b>	<b>79</b>	<b>9,548,537</b>	<b>586</b>	<b>1,782,346</b>

Table 9: Summary of Operations by Institutional sector for JANUARY - MARCH 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	75	8,724,759	484	1,492,875
02 Government and Quasi-Government Sector	4	823,778	102	289,471
<b>All Manufacturing</b>	<b>79</b>	<b>9,548,537</b>	<b>586</b>	<b>1,782,346</b>



Table 10: Percentage Distribution of Operations by ISIC Division for JANUARY – MARCH 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	46.84	35.99	41.13	38.50
17	Manufacture of Textiles	1.27	0.56	1.88	1.06
18	Manufacture of Wearing Apparel	10.13	1.22	3.07	2.75
20	Wood and Products of Wood	3.80	3.69	15.19	15.65
22	Publishing and Printing	3.80	6.30	5.63	4.35
24	Chemicals and Chemical Products	3.80	4.87	2.22	3.96
26	Non-metallic Mineral Products	13.92	18.93	19.28	18.44
28	Fabricated Metal Products	3.80	6.28	1.54	3.42
36	Manufacture of Furniture	8.86	3.75	6.31	6.92
37	Other Manufacturing Industries	3.80	18.41	3.75	4.96
<b>All Manufacturing</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 11. Percentage Distribution of Operations by Island Division for JANUARY – MARCH 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	65.82	79.18	85.32	92.38
02 Vava'u Division	18.99	18.87	10.24	6.36
03 Ha'apai & 'Eua Division	15.19	1.95	4.44	1.27
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 12: Percentage Distribution of Operations by Institutional sector for JANUARY – MARCH 2016

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	94.94	91.37	82.59	83.76
02 Government and Quasi-Government Sector	5.06	8.63	17.41	16.24
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 13: Summary of Operations by ISIC Division for APRIL – JUNE QUARTER 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	39	3,686,836	227	418,819
17	Manufacture of Textiles	1	57,536	11	18,900
18	Manufacture of Wearing Apparel	8	190,678	22	59,556
20	Wood and Products of Wood	3	350,098	87	277,679
22	Publishing and Printing	3	191,417	33	81,665
24	Chemicals and Chemical Products	3	648,728	13	72,109
26	Non-metallic Mineral Products	14	2,923,805	93	224,110
28	Fabricated Metal Products	3	1,454,448	9	60,870
36	Manufacture of Furniture	7	396,032	39	88,207
37	Other Manufacturing Industries	3	2,047,415	23	90,609
<b>All Manufacturing</b>		<b>84</b>	<b>11,946,993</b>	<b>557</b>	<b>1,392,524</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 14. Summary of Operations by Island Division for APRIL – JUNE QUARTER 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	53	9,724,660	476	1,270,403
02 Vava'u Division	19	2,043,599	56	111,966
03 Ha'apai & 'Eua Division	12	178,734	25	10,155
<b>All Manufacturing</b>	<b>84</b>	<b>11,946,993</b>	<b>557</b>	<b>1,392,524</b>

Table 15: Summary of Operations by Institutional sector for APRIL - JUNE QUARTER 2015

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	80	11,501,664	455	1,099,067
02 Government and Quasi-Government Sector	4	445,329	102	293,457
<b>All Manufacturing</b>	<b>84</b>	<b>11,946,993</b>	<b>557</b>	<b>1,392,524</b>

Table 16: Percentage Distribution of Operations by ISIC Division for APRIL – JUNE 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	46.43	30.86	40.75	30.08
17	Manufacture of Textiles	1.19	0.48	1.97	1.36
18	Manufacture of Wearing Apparel	9.52	1.60	3.95	4.28
20	Wood and Products of Wood	3.57	2.93	15.62	19.94
22	Publishing and Printing	3.57	1.60	5.92	5.86
24	Chemicals and Chemical Products	3.57	5.43	2.33	5.18
26	Non-metallic Mineral Products	16.67	24.47	16.70	16.09
28	Fabricated Metal Products	3.57	12.17	1.62	4.37
36	Manufacture of Furniture	8.33	3.31	7.00	6.33
37	Other Manufacturing Industries	3.57	17.14	41.3	6.51
<b>All Manufacturing</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 17: Percentage Distribution of Operations by Island Division for APRIL - JUNE 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	63.10	81.40	85.46	91.23
02 Vava'u Division	22.62	17.11	10.05	8.04
03 Ha'apai & 'Eua Division	14.29	1.50	4.49	0.73
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 18: Percentage Distribution of Operations by Institutional sector for APRIL – JUNE 2016

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	95.24	96.27	81.69	78.93
02 Government and Quasi-Government Sector	4.76	3.73	18.31	21.07
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 19: Summary of Operations by ISIC Division for JULY – SEPTEMBER QUARTER 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	39	4,245,718	208	660,067
17	Manufacture of Textiles	1	33,175	14	18,900
18	Manufacture of Wearing Apparel	8	142,291	23	68,386
20	Wood and Products of Wood	3	419,270	89	280,142
22	Publishing and Printing	3	210,232	34	88,793
24	Chemicals and Chemical Products	3	694,624	9	64,158
26	Non-metallic Mineral Products	14	2,264,022	109	319,922
28	Fabricated Metal Products	3	715,530	9	60,870
36	Manufacture of Furniture	7	521,224	50	109,963
37	Other Manufacturing Industries	3	2,269,443	22	96,010
<b>All Manufacturing</b>		<b>84</b>	<b>11,515,529</b>	<b>567</b>	<b>1,767,211</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 20. Summary of Operations by Island Division for JULY – SEPTEMBER QUARTER 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	52	9,463,618	448	1,586,112
02 Vava'u Division	20	1,752,037	74	153,174
03 Ha'apai & 'Eua Division	12	299,874	45	27,925
<b>All Manufacturing</b>	<b>84</b>	<b>11,515,529</b>	<b>567</b>	<b>1,767,211</b>

Table 21: Summary of Operations by Institutional sector for JULY-SEPTEMBER QUARTER 2016

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	80	11,034,252	463	1,473,265
02 Government and Quasi-Government Sector	4	481,277	104	293,946
<b>All Manufacturing</b>	<b>84</b>	<b>11,515,529</b>	<b>567</b>	<b>1,767,211</b>

Table 22: Percentage Distribution of Operations by ISIC Division for JUL. – SEPT. QTR 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	46.43	36.87	36.68	37.35
17	Manufacture of Textiles	1.19	0.29	2.47	1.07
18	Manufacture of Wearing Apparel	9.52	1.24	4.06	3.87
20	Wood and Products of Wood	3.57	3.64	15.70	15.85
22	Publishing and Printing	3.57	1.83	6.00	5.02
24	Chemicals and Chemical Products	3.57	6.03	1.59	3.63
26	Non-metallic Mineral Products	16.67	19.66	19.22	18.10
28	Fabricated Metal Products	3.57	6.21	1.59	3.44
36	Manufacture of Furniture	8.33	4.53	8.82	6.22
37	Other Manufacturing Industries	3.57	19.71	3.88	5.43
<b>All Manufacturing</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 23: Percentage Distribution of Operations by Island Division for JUL. – SEPT. QTR 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	61.90	82.18	79.01	89.75
02 Vava'u Division	23.81	15.21	13.05	8.67
03 Ha'apai & 'Eua Division	14.29	2.60	7.94	1.58
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 24: Percentage Distribution of Operations by Institutional sector for JUL. – SEPT. QTR. 2016

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	95.24	95.82	81.66	83.37
02 Government and Quasi-Government Sector	4.76	4.18	18.34	16.63
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 25: Summary of Operations by ISIC Division for OCT. – DEC. QTR. 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	39	4,433,854	278	821,515
17	Manufacture of Textiles	1	53,080	12	22,800
18	Manufacture of Wearing Apparel	8	94,018	24	51,082
20	Wood and Products of Wood	1	411,134	86	288,554
22	Publishing and Printing	4	166,187	33	85,076
24	Chemicals and Chemical Products	4	661,378	12	71,746
26	Non-metallic Mineral Products	11	2,330,756	107	307,835
28	Fabricated Metal Products	3	792,257	9	60,870
36	Manufacture of Furniture	7	375,414	46	101,499
37	Other Manufacturing Industries	3	3,618,055	22	111,910
<b>All Manufacturing</b>		<b>81</b>	<b>12,936,133</b>	<b>629</b>	<b>1,922,886</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 26. Summary of Operations by Island Division for OCT. – DEC. QTR. 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	53	11,057,038	538	1,752,406
02 Vava'u Division	18	1,755,338	71	157,465
03 Ha'apai & 'Eua Division	10	123,757	20	13,015
<b>All Manufacturing</b>	<b>81</b>	<b>12,936,133</b>	<b>629</b>	<b>1,922,886</b>

Table 27: Summary of Operations by Institutional sector for OCT. – DEC. QTR. 2016

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	77	12,473,991	530	1,613,975
02 Government and Quasi-Government Sector	4	462,142	99	308,911
<b>All Manufacturing</b>	<b>81</b>	<b>12,936,133</b>	<b>629</b>	<b>1,922,886</b>

Table 28: Percentage Distribution of Operations by ISIC Division for OCT. – DEC. QTR 2016

ISIC Div.	Description	Establishments in Operation	Production (T\$)	Employment (Number)	Wages/Salaries (T\$)
15	Food Products and Beverages	48.15	34.27	44.20	42.72
17	Manufacture of Textiles	1.23	0.41	1.91	1.19
18	Manufacture of Wearing Apparel	9.88	0.73	3.82	2.66
20	Wood and Products of Wood	1.23	3.18	13.67	15.01
22	Publishing and Printing	4.94	1.28	5.25	4.42
24	Chemicals and Chemical Products	4.94	5.11	1.91	3.73
26	Non-metallic Mineral Products	13.58	18.02	17.01	16.01
28	Fabricated Metal Products	3.70	6.12	1.43	3.17
36	Manufacture of Furniture	8.64	2.90	7.31	5.28
37	Other Manufacturing Industries	3.70	27.97	3.50	5.82
<b>All Manufacturing</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Manufacturing survey, Statistics Dept. Note: ISIC 37 includes 16, 19, 21, 25, 29, 30, 31, and 35.

Table 29: Percentage Distribution of Operations by Island Division for OCT. - DEC. QTR 2016

Island Division	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Tongatapu Division	65.43	85.47	85.53	91.13
02 Vava'u Division	22.22	13.57	11.29	8.19
03 Ha'apai & 'Eua Division	12.35	0.96	3.18	0.68
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 30: Percentage Distribution of Operations by Institutional sector for OCT. – DEC. QTR. 2016

Institutional Sector	Establishments in Operation	Production T\$	Employment (Number)	Wages/Salaries T\$
01 Private Sector	95.06	96.43	84.26	83.94
02 Government and Quasi-Government Sector	4.94	3.57	15.74	16.06
<b>All Manufacturing</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 31: Value of Manufacturing Production by ISIC Division, 2016

ISIC Div.		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
15	Food Products and Beverages	15,803,390	3,436,982	3,686,836	4,245,718	4,433,854
17	Manufacture of Textiles	197,301	53,510	57,536	33,175	53,080
18	Manufacture of Wearing Apparel	543,181	116,194	190,678	142,291	94,018
20	Wood and Products of Wood	1,533,178	352,676	350,098	419,270	411,134
22	Publishing and Printing	1,169,175	601,339	191,417	210,232	166,187
24	Chemicals and Chemical Products	2,469,547	464,817	648,728	694,624	661,378
26	Non-metallic Mineral Products	9,325,940	1,807,357	2,923,805	2,264,022	2,330,756
28	Fabricated Metal Products	3,562,212	599,977	1,454,448	715,530	792,257
36	Manufacture of Furniture	1,650,872	358,202	396,032	521,224	375,414
37	Other Manufacturing Industries	9,692,396	1,757,483	2,047,415	2,269,443	3,618,055
	All Manufacturing	45,947,192	9,548,537	11,946,993	11,515,529	12,936,133

Table 32: Value of Manufacturing Production by Island Division for 2016

Island Division		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
01	Tongatapu Division	37,805,502	7,560,186	9,724,660	9,463,618	1,1057,038
02	Vava'u Division	7,352,843	1,801,869	2,043,599	1,752,037	1,755,338
03	Ha'apai & 'Eua	788,847	186,482	178,734	299,874	123,757
	All Manufacturing	45,947,192	9,548,537	11,946,993	11,515,529	12,936,133

Table 33: Value of Manufacturing Production by Institutional Sectors for 2016

Institutional Sector		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
01	Private Sector	43,734,666	8,724,759	11,501,664	11,034,252	12,473,991
02	Government and Quasi-Government Sector	2,212,526	823,778	445,329	481,277	462,142
	All Manufacturing	45,947,192	9,548,537	11,946,993	11,515,529	12,936,133



Table 34: Percentage Distribution on Value of Manufacturing Production by ISIC Division for 2016

ISIC Div.		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
15	Food Products and Beverages	34.39	35.99	30.86	36.87	34.27
17	Manufacture of Textiles	0.43	0.56	0.48	0.29	0.41
18	Manufacture of Wearing Apparel	1.18	1.22	1.60	1.24	0.73
20	Wood and Products of Wood	3.34	3.69	2.93	3.64	3.18
22	Publishing and Printing	2.54	6.30	1.60	1.83	1.28
24	Chemicals and Chemical Products	5.37	4.87	5.43	6.03	5.11
26	Non-metallic Mineral Products	20.30	18.93	24.47	19.66	18.02
28	Fabricated Metal Products	7.75	6.28	12.17	6.21	6.12
36	Manufacture of Furniture	3.59	3.75	3.31	4.53	2.90
37	Other Manufacturing Industries	21.09	18.41	17.14	19.71	27.97
<b>All Manufacturing</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 35: Percentage Distribution on Value of Manufacturing Production by Island Division for 2016

Island Division		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
01	Tongatapu Division	82.28	79.18	81.40	82.18	85.47
02	Vava'u Division	16.00	18.87	17.11	15.21	13.57
03	Ha'apai & 'Eua	1.72	1.95	1.50	2.60	0.96
<b>All Manufacturing</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 36: Percentage Distribution on Value of Manufacturing Production by Institutional Sectors for 2016

Institutional Sector		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
01	Private Sector	95.18	91.37	96.27	95.82	96.43
02	Government and Quasi-Government Sector	4.82	8.63	3.73	4.18	3.57
<b>All Manufacturing</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 37: Number of Manufacturing Production Workers by ISIC Division for 2016

ISIC Div.		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
15	Food Products and Beverages	184	185	167	169	214
17	Manufacture of Textiles	11	11	11	11	11
18	Manufacture of Wearing Apparel	15	12	14	16	16
20	Wood and Products of Wood	87	88	87	86	85
22	Publishing and Printing	32	32	32	33	32
24	Chemicals and Chemical Products	8	9	9	5	8
26	Non-metallic Mineral Products	76	83	64	79	78
28	Fabricated Metal Products	9	9	9	9	9
36	Manufacture of Furniture	31	23	25	39	35
37	Other Manufacturing Industries	18	15	16	18	19
<b>All Manufacturing</b>		<b>469</b>	<b>469</b>	<b>436</b>	<b>465</b>	<b>506</b>

Table 38: Number of Manufacturing Production Workers by Island Division for 2016

Island Division		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
01	Tongatapu Division	395	399	378	371	432
02	Vava'u Division	54	49	44	63	60
03	Ha'apai & 'Eua	20	21	13	31	13
<b>All Manufacturing</b>		<b>469</b>	<b>469</b>	<b>436</b>	<b>465</b>	<b>506</b>

Table 39: Number of Manufacturing Production Workers by Institutional Sectors for 2016

Institutional Sector		2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
01	Private Sector	368	367	334	363	407
02	Government and Quasi-Government Sector	101	102	102	101	99
<b>All Manufacturing</b>		<b>469</b>	<b>469</b>	<b>436</b>	<b>465</b>	<b>506</b>

Table 40: Manufacturing Wages earned per Production Worker by ISIC Division for 2016

ISIC Div.	2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
15 Food Products and Beverages	2,059,850	555,058	249,189	587,135	668,468
17 Manufacture of Textiles	79,500	18,900	18,900	18,900	22,800
18 Manufacture of Wearing Apparel	164,134	32,508	45,398	48,286	37,942
20 Wood and Products of Wood	1,124,274	278,599	277,579	279,642	288,454
22 Publishing and Printing	322,779	74,669	79,105	85,977	83,028
24 Chemicals and Chemical Products	42,107	11,896	13,788	5,837	10,586
26 Non-metallic Mineral Products	781,435	236,202	130,630	200,548	214,055
28 Fabricated Metal Products	243,480	60,870	60,870	60,870	60,870
36 Manufacture of Furniture	259,262	58,441	53,739	76,373	70,709
37 Other Manufacturing Industries	279,908	8,040	8,040	8,041	8,041
<b>All Manufacturing</b>	<b>5,356,729</b>	<b>1,388,119</b>	<b>992,375</b>	<b>1,435,746</b>	<b>1,540,489</b>

Table 41: Manufacturing Wages earned per Production Workers by Island Division for 2016

Island Division	2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
01 Tongatapu Division	4,802,062	1,267,332	887,754	1,269,967	1,377,009
02 Vava'u Division	487,589	98,584	95,766	142,674	150,565
03 Ha'apai & 'Eua	67,078	22,203	8,855	23,105	12,915
<b>All Manufacturing</b>	<b>5,356,729</b>	<b>1,388,119</b>	<b>992,375</b>	<b>1,435,746</b>	<b>1,540,489</b>

Table 42: Manufacturing Wages earned per Production Workers by Institutional Sectors for 2016

Institutional Sector	2016	Quarter Jan-Mar	Quarter Apr-Jun	Quarter Jul-Sept	Quarter Oct-Dec
01 Private Sector	4,171,794	1,098,898	699,018	1,142,300	1,231,579
02 Government and Quasi-Government Sector	1,184,935	289,221	293,357	293,446	308,911
<b>All Manufacturing</b>	<b>5,356,729</b>	<b>1,388,119</b>	<b>992,375</b>	<b>1,435,746</b>	<b>1,540,489</b>

## **APPENDICES**

**“CONFIDENTIAL”**

### **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’IMO FAKAPULIPULI”**

**NGAAHI FAKAHINOHI ‘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. KAUNGAUE MO E VAHENG**

**‘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).



SAVEA FAKAKUATA 'O E NGAHI NGAUE'ANGA NGAOHI KOLOA  
 “KO E NGAHI FAKAMATALA NI 'OKU TANAKI IA HE MAFAI 'O E LAO FIKA 31 'O E 1978 KUPU 8(3)”

**KOUTI (ISIC)**

## VAHENGGA

[illegible]

### 3. KAU NGAUE MO E VAHENGANGA

**a. Tokotaha 'a'ana e ngaue'anga**

**e. Kau Ngaue Ngaohi Koloa:**

1. *Kau ngaue tu'upau*

## 2. Kau ngaue fakataimi

**f. Kakai/famili 'oku ngaue ta'etotongi**

**He ngaue'anga**

#### **h. Toenga e kau ngaue**

**Katoa kakai tangata Katoa kakai fefine**

**FAKAKATO**

### 3.2 Mahu'inga e ngaahi koloa na'e foaki atu ta'etotongi ma'ae kau ngaue

KUATA:								
Mahina:			Mahina:			Mahina:		
Tangata Pe Fefine	Kau Ngaue	Vahenga (T\$)	Tangata Pe Fefine	Kau Ngaue	Vahenga (T\$)	Tangata Pe Fefine	Kau Ngaue	Vahenga (T\$)
1	2	3	4	5	6	7	8	9
T			T			T		
F			F			F		
T			T			T		
F			F			F		
T			T			T		
F			F			F		
T			T			T		
F			F			F		
T			T			T		
F			F			F		
T			T			T		
F			F			F		
T			T			T		
F			F			F		
Katoa.			Katoa			Katoa		
	(T\$)			(T\$)			(T\$)	

**Fakatokanga'i ange: T (Tangata) F (Fefine)**

#### 4. FAKAPAPAU:

*“Oku ou fakamahino’i heni ko e ngaahi fakamatala kotoa pe ‘oku ‘oatu ni ‘oku tonu mo mo’oni ‘o fakatatau ki he lelei taha ‘o ‘eku ‘ilo.”*

**Hingoa:** \_\_\_\_\_

**Lakangana:**

'Aho:        /        /

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