

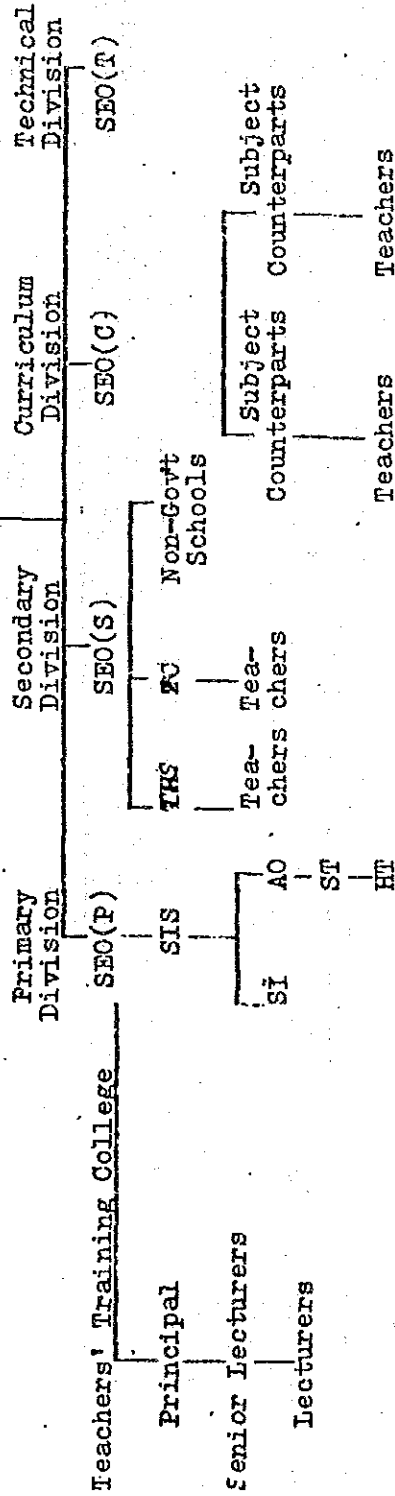
Ⅱ - 2 教育概要

文部省より提供されたREPORT OF THE MINISTER OF EDUCATION FOR THE YEAR 1978 その他を資料-1～資料-8としてここに掲げる。

MINISTRY OF EDUCATION

MINISTER OF EDUCATION

DIRECTOR OF EDUCATION



- NB :
- SEO : Senior Education Officer
 - SIS : Senior Inspector of Schools
 - SI : School Inspector
 - AO : Area Organiser
 - HT : Head Teacher
 - THS : Tonga High School
 - TC : Tonga College

EDUCATION SYSTEM : TONGA

STRUCTURE

Primary Level

1	2	3	4	5	6
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Secondary Level

Middle Schools

7	8	9
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Transfer to Senior Secondary Schools
Leave School

Higher Leaving Schools

7	8	9	10	11	12
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H.L. Exam

Civil Service Jobs
Transfer to 5th and 6th Form Colleges

NZSC

7	8	9	10	11	12	I. 5th	U 5th
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Civil Service Jobs
Transfer to 6th Form Colleges

NZUE

7	1	2	3	4	5	6
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Civil Service
Tertiary Education Abroad

Age	5+	6+	7+	8+	9+	10+	11+	12+	13+	14+	15+	16+	17+	18+
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SECTION 10 : EDUCATIONTABLE 146 : SCHOOLS AND THEIR ENROLMENT

	1971	1972	1973	1974
1. <u>NO. OF SCHOOLS</u>	<u>106</u>	<u>182</u>	<u>180</u>	<u>176</u>
(1) Government	87	86	87	88 ^{1/}
(2) Private	99	96	93	88 ^{2/}
2. <u>PUPILS ENROLLED NO.</u>	<u>26,871</u>	<u>26,937</u>	<u>27,263</u>	<u>27,692</u>
(1) <u>Primary</u>	<u>16,416</u>	<u>16,556</u>	<u>16,688</u>	<u>16,932</u>
Government	10,483	11,175	12,105	13,411
Churches	5,933	5,391	4,583	3,521
(2) <u>Post Primary</u>	<u>10,164</u>	<u>10,088</u>	<u>10,217</u>	<u>10,420</u>
Government	1,026	1,036	1,024	963
Churches	9,138	9,052	9,193	9,457
(3) <u>Teacher Training</u>	<u>92</u>	<u>72</u>	<u>92</u>	<u>110</u>
Government	92	73	93	110
Churches	-	-	-	-
(4) <u>Technical and Vocational</u>	<u>199</u>	<u>210</u>	<u>265</u>	<u>230</u>
Government	46	41	91	131
Churches	153	169	174	99

SOURCE : Annual Reports of the Department of Education for the year 1968 - 1974

- NOTES : 1/ (1) Includes 1 (one) Farm Training School conducted by Department of Agriculture.
 (ii) Includes 1 (one) Police Training School conducted by the Police Department.
 (iii) Includes 1 (one) Nurse Training School conducted by the Ministry of Health.
- 2/ (1) Conducted by the Free Wesleyan Church
 (i) Hango Agriculture School, 'Eua
 (ii) Mahinae'a Agriculture School, Tongatapu
 (iii) Sia'atoutai Theological College, Tongatapu
 (iv) Technical Division conducted by 'Atenisi Institute.

EDUCATION

**TABLE 147 : NO. OF SCHOOLS, NO. OF TEACHERS AND PUPILS ENROLLED
BY EDUCATIONAL LEVEL FOR THE YEARS 1971 - 1974**

	1971	1972	1973	1974
A. <u>NO. OF SCHOOLS</u>				
1. Primary	129	128	126	126
2. Post Primary	52	51	47	42
3. Teachers Training	1	1	1	1
4. Technical and Vocational	4	4	5	7
B. <u>NO. OF TEACHERS</u>				
1. Primary	648	642	641	668
2. Post Primary	503	452	537	546
3. Teachers Training	12	12	12	12
4. Technical and Vocational	23	34	36	34
C. <u>NO. OF ENROLLED STUDENTS</u>				
1. Primary	16,416	16,566	16,688	16,932
2. Post Primary	10,164	10,088	10,217	10,420
3. Teachers Training	92	73	93	110
4. Technical and Vocational	199	210	265	230
D. <u>NO. OF STUDENTS PER TEACHER FOR :</u>				
1. Primary Level	25	25	26	25
2. Post primary level	20	22	19	19
3. Teachers Training	7	6	7	9
4. Technical and Vocational	8	6	7	6

SOURCE : Ministry of Education, Annual Reports

TABLE 148 : SCHOOL ENROLMENT BY SEX AND BY LEVELS OF EDUCATION

	1971	1972	1973	1974
A. NO. OF STUDENTS ENROLLED				
1. <u>Primary:</u>	<u>16,416</u>	<u>16,566</u>	<u>16,688</u>	<u>16,971</u>
1. Males	8,645	8,611	8,767	8,870
2. Females	7,771	7,955	7,901	8,062
2. <u>Post Primary</u>	<u>10,164</u>	<u>10,088</u>	<u>10,217</u>	<u>10,420</u>
1. Males	5,262	5,296	5,355	5,357
2. Females	4,962	4,792	4,862	5,063
3. <u>Teachers Training:</u>	<u>92</u>	<u>73</u>	<u>93</u>	<u>110</u>
1. Males	40	28	41	40
2. Females	52	45	52	70
4. <u>Technical and Vocational</u>	<u>195</u>	<u>210</u>	<u>265</u>	<u>230</u>
1. Males	142	193	155	122
2. Females	57	17	110	108
GRAND TOTAL	26,871	26,937	27,263	27,692
1. MALES	14,029	14,126	14,330	14,389
2. FEMALES	12,842	12,809	12,925	13,303

SOURCE : Ministry of Education Annual Reports

EDUCATION

TABLE 149 : NO. OF SCHOOLS, NO. OF THE TEACHERS AND ENROLLED STUDENTS BY INSTITUTIONAL AUTHORITY

	1971	1972	1973	1974
A. NO. OF SCHOOLS				
1. <u>Primary Controlled by:</u>	<u>129</u>	<u>128</u>	<u>126</u>	<u>126</u>
(1) Government	82	81	82	82
(2) Local Authority	-	-	-	-
(3) Churches	47	47	44	44
(4) Private	-	-	-	-
2. <u>Post Primary</u>	<u>52</u>	<u>51</u>	<u>47</u>	<u>42</u>
(1) Government	2	2	2	2
(2) Local Authority	-	-	-	-
(3) Churches	49	48	45	39
(4) Private	1	1	1	1
3. <u>Teachers Training</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
(1) Government	1	1	1	1
(2) Local Authority	-	-	-	-
(3) Churches	-	-	-	-
(4) Private	-	-	-	-
4. <u>Technical and Vocational</u>	<u>4</u>	<u>4</u>	<u>5</u>	<u>7</u>
(1) Government	2	2	2	3
(2) Local Authority	-	-	-	-
(3) Churches	2	2	3	3
(4) Private	-	-	-	1
B. NO. OF TEACHERS IN				
1. <u>Primary Schools</u>	<u>648</u>	<u>642</u>	<u>641</u>	<u>668</u>
(1) Government	403	434	442	491
(2) Local Authority	-	-	-	-
(3) Churches	245	208	199	177
(4) Private	-	-	-	-
2. <u>Post Primary</u>	<u>503</u>	<u>452</u>	<u>527</u>	<u>448</u>
(1) Government	68	58	67	57
(2) Local Authority	11	-	-	-
(3) Churches	404	381	419	300
(4) Private	-	13	51	19

EDUCATION

TABLE 149 : NO. OF SCHOOLS, NO. OF TEACHERS AND ENROLLED STUDENTS BY INSTITUTIONAL AUTHORITY
(Cont'd)

	1971	1972	1973	1974
3. <u>Teachers Training</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>
(1) Government	12	12	12	12
(2) Local Authority	-	-	-	-
(3) Churches	-	-	-	-
(4) Private	-	-	-	-
C. <u>NO. OF ENROLLED STUDENTS IN</u>				
1. <u>Primary Schools</u>	<u>16,416</u>	<u>16,566</u>	<u>16,688</u>	<u>16,832</u>
(1) Government	10,430	11,175	12,105	13,411
(2) Local Authority	-	-	-	-
(3) Churches	5,933	5,391	4,583	3,521
(4) Private	-	-	-	-
2. <u>Post Primary</u>	<u>10,164</u>	<u>10,088</u>	<u>10,217</u>	<u>10,420</u>
(1) Government	1,026	1,036	1,024	963
(2) Local Authority	-	-	-	-
(3) Churches	8,707	8,405	8,478	8,658
(4) Private	431	567	715	799
3. <u>Teachers Training</u>	<u>92</u>	<u>73</u>	<u>83</u>	<u>110</u>
(1) Government	92	73	83	110
(2) Local Authority	-	-	-	-
(3) Churches	-	-	-	-
(4) Private	-	-	-	-
4. <u>Technical and Vocational</u>	<u>190</u>	<u>210</u>	<u>265</u>	<u>270</u>
(1) Government	46	41	91	131
(2) Local Authority	-	-	-	-
(3) Churches	153	169	174	90
(4) Private	-	-	-	9
B4. <u>Technical and Vocational</u>	...	...	...	...
(1) Government	...	...	...	...
(2) Local Authority	...	...	...	...
(3) Churches	...	...	...	...
(4) Private	...	...	...	...

EDUCATION

TABLE 150 : POPULATION PROJECTIONS OF SCHOOL AGE CHILDREN
BETWEEN AGE GROUPS 0⁺ AND 19

AGE	1967	1968	1969	1970	1971	1972	1973	1974	1975 ^{1/}
1 - 1	2,812	2,954	3,041	2,734	2,841	2,454	2,386	2,295	2,207
1 - 2	3,260	2,804	2,950	3,033	2,723	2,824	2,445	2,383	2,323
2 - 3	2,989	3,258	2,803	2,948	3,030	2,718	2,822	2,443	2,115
3 - 4	2,732	2,906	3,257	2,799	2,948	3,030	2,717	2,820	2,927
4 - 5	2,896	2,732	2,984	3,257	2,797	2,947	3,030	2,712	2,427
TOTAL	14,689	14,734	15,035	14,771	14,339	13,973	13,400	12,653	11,999
5 - 6	2,723	2,895	2,732	2,983	3,257	2,796	2,947	3,029	3,113
6 - 7	2,555	2,720	2,894	2,732	2,981	3,256	2,794	2,947	3,108
7 - 8	2,539	2,553	2,719	2,894	2,732	2,981	3,255	2,794	2,398
8 - 9	2,140	2,539	2,552	2,718	2,892	2,730	2,981	3,254	3,552
9 - 10	2,295	2,139	2,537	2,550	2,717	2,891	2,730	2,980	3,253
10 - 11	2,014	2,293	2,138	2,536	2,550	2,716	2,891	2,730	2,578
11 - 12	2,083	2,014	2,293	2,138	2,536	2,550	2,716	2,889	3,073
TOTAL	18,323	19,236	19,879	20,844	21,801	22,455	22,864	23,338	23,966
13 - 14	2,000	1,974	2,083	2,014	2,293	2,135	2,535	2,550	2,565
14 - 15	1,934	2,000	1,971	2,083	2,014	2,291	2,133	2,535	3,013
15 - 16	1,880	1,932	2,000	1,969	2,081	2,014	2,289	2,132	1,986
16 - 17	1,501	1,800	1,932	1,999	1,969	2,080	2,014	2,287	2,597
17 - 18	1,702	1,501	1,877	1,932	1,999	1,969	2,079	2,011	1,945
18 - 19	1,581	1,701	1,500	1,873	1,932	1,995	1,969	2,079	2,195
TOTAL	10,598	10,988	11,363	11,870	12,288	12,494	13,019	13,594	14,301
1. Estimated Mid-Year Population ('000)	79.0	81.6	84.4	87.0	89.5	91.9	94.1	96.1	99.2
2. Percentage of Population Between 5 and 13	23.2	23.6	23.6	24.0	24.4	24.4	24.3	24.3	24.2
3. Percentage of Population Between 13 and 19	13.4	13.5	13.5	13.6	13.7	13.6	13.8	14.1	14.4

NOTE : ^{1/} Estimates

TIME-TABLE CLASSES 1 & 2

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.30-8.40	ASSEMBLY	ROLL CALL	HEALTH INSPECTION		
8.40-9.00	PRINTING	PRINTING	PRINTING	PRINTING	PRINTING
9.00-10.20	ENGLISH LANGUAGE DEVELOPMENT	ENGLISH LANGUAGE DEVELOPMENT	ENGLISH LANGUAGE DEVELOPMENT	ENGLISH LANGUAGE DEVELOPMENT	9.00-10.00 RELIGIOUS INSTRUCTION 10.00-10.20 MUSIC
10.20-10.35	MORNING RECESS			MORNING RECESS	
10.35-11.15	MATHEMATICS	MATHEMATICS	MATHEMATICS	MATHEMATICS	10.35-11.25 ENGLISH LANGUAGE DEVELOPMENT
11.15-12.00	FORMAL TONGAN LANGUAGE	FORMAL TONGAN LANGUAGE	FORMAL TONGAN LANGUAGE	FORMAL TONGAN LANGUAGE	11.25-12.00 MATHEMATICS
12.00-1.30	LUNCH	LUNCH	LUNCH		LUNCH
1.30-1.35		ROLL CALL		ROLL CALL	
1.35-2.20	ENVIRONMENTAL SCIENCE & APPLIED TONGAN	ENVIRONMENTAL SCIENCE & APPLIED TONGAN	ENVIRONMENTAL SCIENCE & APPLIED TONGAN	ENVIRONMENTAL SCIENCE & APPLIED TONGAN	ENVIRONMENTAL SCIENCE & APPLIED TONGAN
2.20-3.00	ART AND CRAFT	2.20-2.40 MUSIC 2.40-3.00 P.E.	MUSIC P.E.	MUSIC P.E.	ART & CRAFT OUTDOOR WORK

CLASSES 1 & 2

Health Ins. & Roll Calls	1.15
Recess	1.15
Eng. Language Development	6.10
Mathematics	3.15
Formal Tongan Language	3.00
Printing	1.40
Environmental Science & Applied Tongan	3.45
Art & Craft	1.00
Musio	1.20
P.E.	1.00
Outdoor Work	0.20
Religious Ins.	<u>1.00</u>
	<u>25.00</u>

TIME-TABLE CLASS 3

TIME	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY	
	A S S E M B L Y		R O L L C A L L		H E A L T H I N S P E C T I O N					
8.30-8.40							8.40 ENGLISH LANGUAGE DEVELOPMENT		8.40-9.00 MUSIC	
8.40-8.50	HANDWRITING		HANDWRITING		HANDWRITING		ENGLISH LANGUAGE DEVELOPMENT		9.00-10.00 TEACHERS' BROADCAST - RELIGIOUS INSTRUCTION	
8.50-10.20	ENGLISH LANGUAGE DEVELOPMENT		ENGLISH LANGUAGE DEVELOPMENT		ENGLISH LANGUAGE DEVELOPMENT		ENGLISH LANGUAGE DEVELOPMENT		10.00-10.20 ENGLISH BROADCAST	
10.20-10.35	M O R N I N G R E C E S S		M O R N I N G R E C E S S		M O R N I N G R E C E S S					
10.35-11.15	M A T H E M A T I C S		M A T H E M A T I C S		M A T H E M A T I C S		M A T H E M A T I C S		M A T H E M A T I C S	
11.15-12.00	F O R M A L T O N G A N L A N G U A G E		F O R M A L T O N G A N L A N G U A G E		F O R M A L T O N G A N L A N G U A G E		F O R M A L T O N G A N L A N G U A G E		11.15-11.45 MUSIC	
12.00-1.30	L U N C H		L U N C H		L U N C H		L U N C H		11.45-12.00 P.E.	
1.30-1.35							R O L L C A L L		L U N C H	
1.35-2.20	E N V I R O N M E N T A L S C I E N C E A N D A P P L I E D T O N G A N		E N V I R O N M E N T A L S C I E N C E A N D A P P L I E D T O N G A N		E N V I R O N M E N T A L S C I E N C E A N D A P P L I E D T O N G A N		E N V I R O N M E N T A L S C I E N C E A N D A P P L I E D T O N G A N		E N V I R O N M E N T A L S C I E N C E A N D A P P L I E D T O N G A N	
2.20-2.40	M U S I C		M U S I C		M U S I C		M U S I C		A R T A N D C R A F T	
2.40-3.00	P.E.		P.E.		P.E.		P.E.		O U T D O O R W O R K	

CLASS 3
WEEKLY ANALYSIS

Assembly/Roll Call/Health Ins.	1.15
Handwriting	.30
English Language Development	6.30
Mathematics	3.20
Formal Tongan	3.00
Environmental Science & Applied Tongan	3.45
Music	1.50
Art & Craft	1.00
P.E.	1.15
Religious Ins.	1.00
Outdoor Work	.20
Recess	1.15
	<u>25.00</u>

TIME-TABLE CLASSES 4, 5, & 6

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.30-8.40	ASSEMBLY	ROLL CALL	HEALTH INSPECTION	INSPECTION	
8.40-8.50	HANDWRITING	HANDWRITING	ENGLISH LANGUAGE DEVELOPMENT	ENGLISH LANGUAGE DEVELOPMENT	8.40-9.00 MUSIC
8.50-10.20	ENGLISH LANGUAGE DEVELOPMENT	ENGLISH LANGUAGE DEVELOPMENT	ENGLISH LANGUAGE DEVELOPMENT	ENGLISH LANGUAGE DEVELOPMENT	9.00-10.00 TEACHERS BROADCAST RELIGIOUS INS. 10.00-10.20 ENGLISH BROADCAST
10.20-10.35	MORNING RECESS	MORNING RECESS	MORNING RECESS	MORNING RECESS	MORNING RECESS
10.35-11.15	MATHEMATICS	MATHEMATICS	MATHEMATICS	MATHEMATICS	10.35-11.05 ENGLISH LANGUAGE DEVELOPMENT 11.05-11.45 MATHEMATICS
11.15-12.00	FORMAL TONGAN LANGUAGE	FORMAL TONGAN LANGUAGE	FORMAL TONGAN LANGUAGE	FORMAL TONGAN LANGUAGE	11.45-12.00 P.E.
12.00-1.30	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1.35-2.20	ENVIRONMENTAL SCIENCE AND APPLIED TONGAN	ENVIRONMENTAL SCIENCE AND APPLIED TONGAN	ENVIRONMENTAL SCIENCE AND APPLIED TONGAN	ENVIRONMENTAL SCIENCE AND APPLIED TONGAN	ENVIRONMENTAL SCIENCE AND APPLIED TONGAN
2.20-2.40	MUSIC	MUSIC	ART AND CRAFT	MUSIC	ART & CRAFT
2.40-3.00	P.E.	P.E.	CRAFT	P.E.	OUTDOOR WORK

CLASS 4, 5 & 6

WEEKLY ANALYSIS

Assembly - Roll Call - Health Ins.	1.15
Handwriting	.20
English Language Development	7.10
Mathematics	3.20
Formal Tongan Language	3.00
Environmental Science & Applied Tongan	3.45
Music	1.20
P.E.	1.15
Art & Craft	1.00
Religious Ins.	1.00
Outdoor Work	.20
Recess	1.15
	<hr/>
	25.00

every

PRIMARY SCHOOLS

DISTRICTS	SCHOOLS	VILLAGES (In addition to the villages on which the schools are located)
1. WUKU'ALOFA	<ol style="list-style-type: none"> 1. Nuku'alofa 2. Ma'ufanga 3. Ngele'ia 4. Fasi 5. Fanga 6. Tonga Side School 	<ol style="list-style-type: none"> 1. Pa'atangata 2. Nukunukumotu 1. Halaleva 2. Mataika
2. KOLOMOTU'A	<ol style="list-style-type: none"> 1. Kolomotu'a 2. Longolongo 3. Haveluloto 4. Hofoa 5. Sia'atoutai 	<ol style="list-style-type: none"> 1. Sopa 1. Tofoa 2. Kolovai 1. Puke
3. VAINI	<ol style="list-style-type: none"> 1. Vaini 2. Longoteme 3. Folaha 4. Veitongo 5. 'Atele 6. Tokomololo 	<ol style="list-style-type: none"> 1. Faama 1. Nukuhetulu 1. Lotoha'apai 1. Pea 1. Liomaiviti 2. Liuhona
4. TATAKAMOTONGA	<ol style="list-style-type: none"> 1. Mu'a GPS & FWPS 2. Tu'aliku 3. Ha'asini 4. Fua'amotu GPS & FWPS 	<ol style="list-style-type: none"> 1. 'Alaki-fonua 1. Haveluliku 2. Fatumu 1. Hamula 2. Lavengatonga 1. 'Ahozonou 2. Mala'evakapuna 3. Nakolo

DISTRICTS	SCHOOLS	VILLAGES
Court TATAKAMOTONGA	5. Toloa 6. Lotolu 7. Holonga	1. Pelehake 2. Malapo
5. LAPAHA	1. Lapaha 2. Hoi 3. Talafo'ou 4. Navutoka 5. Kolonga 6. Ha'amonga 7. 'Eueiki	1. Nukuleka 2. Makaunga 1. Niutoua 2. Afa
6. NUKUNUKU •	1. Nukunuku FWPS 2. Houma 3. Fatai 4. Ha'alalo 5. 'Utulau FWPS 6. Vaotu'u FWPS 7. Matahau	1. Matafonua 1. Ha'akame
7. KOLOVAI	1. Kolovai GPS & FWPS 2. Te'ekiu 3. Kanokupolu 4. Fāhefa 5. 'Atatā	1. Fo'ui 2. Ha'avakatolo 1. Masilamea 1. 'Ahan 2. Ha'atafu 1. Kala'an 2. Hā'utu
8. 'EUA MOTU'A	1. 'Ohomua GPS & FWPS 2. Houma 3. Tufuvai 4. Ha'atu'a	1. 'Ahan 2. Pangai 1. Kolomaille

D I S T R I C T S	S C H O O L S	V I L L A G E S
9. 'EUA FO'OU	1. Angahā	1. 'Esiā 2. Futu 3. Tongamama'o 4. Sapa'ata 5. Fata'ulua 6. Petani 7. Mata'aho 8. Mu'a
10. PANGAI (HA'APAI)	1. Pangai/Hihifo GPS & FWPS 2. Koulo	1. Ha'ato'u 1. Holopeka
11. FOA	1. Fotua 2. Faleloa	1. Iotofoa 2. Fangale'ounga 1. Ha'afakahenga
12. LULUNGA	1. Ha'afeva 2. Tungua 3. Fotuha'a 4. 'O'ua 5. Matuku 6. Kotu	
13. MU'OMU'A	1. Nomuka GPS & FWPS 2. Mango 3. Ponoifua	
14. 'UIHA	1. Mata'aho 2. Iofanga 3. Tofua	1. 'Uiha 2. Felenea

DISTRICTS	SCHOOLS	VILLAGE
15. NELAFU	<ol style="list-style-type: none"> 1. Neiafu 2. Misipa SDA 3. Makave 4. Toulā 5. Ofu 6. Olo'ua 	<ol style="list-style-type: none"> 1. Talau 2. Masilamea 3. Kameli 4. Fungamisi 5. Falaleu 6. Salloame
16. PANGAIMOTU	<ol style="list-style-type: none"> 1. Pangaimotu 2. 'Utulei 3. 'U'ungake 4. Nga'unoho 	
17. HIIHFO (YAVA'U)	<ol style="list-style-type: none"> 1. Tu'anuku 2. Iongomapu 3. Tefisi 4. Taca 	<ol style="list-style-type: none"> 1. Vaimalo
18. HAAKE (YAVA'U)	<ol style="list-style-type: none"> 1. Ha'alaufuli 2. Houma 3. Tu'anekeviale 4. Koloa 	<ol style="list-style-type: none"> 1. Ta'anea 1. Ha'akio 2. Mangia 1. Hōleva
19. LEIMĀTU'A	<ol style="list-style-type: none"> 1. Leimātu'a 2. Holonga 3. Feletoa 	<ol style="list-style-type: none"> 1. Mataika
20. MOTU	<ol style="list-style-type: none"> 1. Falevai 2. 'Otea 3. Kapa 4. Matamaka 5. Nuapapu 6. Hunga 	

D I S T R I C T S	S C H O O L S	V I L L A G E S
<u>Geoff</u> MOTU	7. Ovaka 8. Iape 9. Taunga	
21. NIUAFOFUTAFU	1. Hihifo 2. Tafahi	1. Vaipoa 2. Palehan
22. NIUAFO'OU	1. 'Alele'uta 2. Tongamama'o	1. 'Esia 2. Kolofo'ou 3. Sapa'ata 4. Faka'ulua 5. Mata'aho 6. Mu'a 1. Petani

TABLE 1
Numbers and Descriptions of Schools and Enrolment by Education Level
Summary by whole territory - 1978

CONTROLLING AUTHORITY	PRIMARY						SECONDARY						TEACHER TRAINING						TECHNICAL AND VOCATIONAL					
	SCHS	ENROLMENT			SCHS	ENROLMENT			SCHS	ENROLMENT			SCHS	ENROLMENT			SCHS	ENROLMENT						
		M	F	T		M	F	T		M	F	T		M	F	T		M	F	T				
Government	97	9539	8620	18159	2	1057	441	1498	1	67	79	146	3	75	79	154								
Local Authority																								
Churches	15	776	795	1571	48	4875	5578	10453					3	127										
Private					1	328	89	417																
TOTAL	112	10315	9415	19730	51	6260	6108	12368	1	67	79	146	6	202	79	281								

NOTES:
 * These figures include 27 Middle Schools with an enrolment of 960 boys and 986 girls
 ** One is the Queen Salote School of Nursing conducted by the Ministry of Health with an enrolment of 73 girls
 One is the Police Training School conducted by the Ministry of Police with an enrolment of 61 men and 6 women
 One is the Technical Apprentice Training School conducted by the Ministry of Works with an enrolment of 14 boys
 *** Conducted by the Free Wesleyan Church (i) Hango Agricultural School at 'Eua with an enrolment of 55 boys
 (ii) Mahina's Agricultural School with an enrolment of 14 boys
 (iii) Sia'atouai Theological College with an enrolment of 58 men

TABLE 4 - TEACHERS

(a) Primary School Teachers

(a) Academic Level

N.Z.S.C. - New Zealand School Certificate
 T.H.L.C. - Tonga Higher Leaving Certificate
 T.L.L.C. - Tonga Lower Leaving Certificate
 Sec. - Secondary Schools only

CONTROLLING BODY	No. of Schools	N.Z.S.C.			T.H.L.C.			T.L.L.C.			SECONDARY			TOTAL		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Government	97		1		150	489	449	137	88	245				317		695
Free Wesleyan Church	12				14	33	37	15	4	19				29		56
Roman Catholic Church																
Seventh Day Adventist	3				3	5	8		2	2				3		10
TOTAL	112	1	1	1	177	317	494	172	94	266			349	412	761	

(b) By Professional Qualification

CONTROLLING BODY	No. of Schools	TRAINED TEACHERS						UNTRAINED						TOTAL					
		O.T.			T.T.			TOTAL			UNTRAINED			TOTAL					
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T			
Government		3	3	3	268	287	555	268	290	558	49	68	137	317	378	695			
Free Wesleyan Church					17	16	33	17	16	33	12	11	23	29	27	56			
Roman Catholic Church																			
Seventh Day Adventist	3	3	3	3	7	7	7	3	7	10				3	7	10			
TOTAL		3	3	6	285	310	595	288	313	601	61	99	160	349	412	761			

O.T. - Overseas Trained
 T.T. - Locally Trained
 U.T. - Untrained Teacher

TABLE 4

(11) SECONDARY SCHOOL TEACHERS 1978 BY CLASSIFICATION, BY SEX, BY CONTROLLING AUTHORITY

GOVERNMENT						CHURCHES						PRIVATE (1 School)						TOTAL																											
Tongan Tehrs			Expatri. Tehrs			Volun. Tehrs			Tongan Tehrs			Expatri. Tehrs			Volun. Tehrs			Tongan Tehrs			Expatri. Tehrs			Volun. Tehrs																					
M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T																			
2																																													
2			2			2			1			2			2			2			21			9			6			8			19			8			46			25			71
5			1			1			2			2			3			1			25			17			10			11			17			10			38			99			
14			3			3			3			2			2			5			46			26			16			19			36			18			98			161			
9			15			17			6			2			5			2			25			28			1			8			4			5			30			71			
21			51			55															72			60												72			60			132			
1			11			2			1			3			2			1			14			5			1			2			1			2			16			9			25
1			21			55						3			1						85			56												85			56			141			
31			158			129			1			7			2			5			196			149			2			10			5			7			203			369			
45			187			148			15			21			32			21			242			175			18			29			41			25			301			530			

A. SEPARATES:

(a) With a post-graduate Diploma or credits in Education

(b) Degrees Only

TOTAL GRADUATES

B. SECONDARY EDUCATION:

(a) Overseas Trained

(b) Locally Trained

(c) University non-graduate

(d) Secondary Education only

TOTAL SECONDARY

TOTAL A and B

TABLE 4 - TEACHERS

SECONDARY SCHOOL TEACHERS 1976

(iii) Abstract of Table 4.(ii)

TONGAN TEACHERS		EXPATRIATE TEACHERS												VOLUNTEER TEACHERS												TOTAL		
M	F	N.Z.			AUST.			U.K.			U.S.A.			P.C.V.			V.S.A.			A.V.A.			C.U.S.O.			M	F	T
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T						
21	9	2	3	3	1	1	2				2			2	13	1	5	6	1	1					46	25	71	
25	17	3	1				7	7			7	7		12	8	3	2	2	1	1	1	1	1	2	52	36	90	
46	26	5	4	3	1	1	2	7	9	2	7	9	2	25	9	8	8	2	2	2	2	2	2	2	98	63	161	
25	28	1	4				2				1		3			1	1			4				30	41	71		
72	60																							72	60	132		
14	5	1													1	1								16	9	25		
85	56										2													85	56	141		
196	149	2	4				2		3	4	1	1	1	1	1	1	1	1	4				1	203	166	369		
242	175	7	8	3	2	1	4	7	12	29	10	9	9	2	6	1	3							301	229	530		

NOTE:

P.C.V. Peace Corp Volunteer - U.S.A.
 V.S.A. Volunteer Service Abroad - New Zealand
 A.V.A. Australian Volunteer Abroad - Australia
 C.U.S.O. Canadian University Service Overseas - Canada

A. GRADUATE:

(a) With a post-graduate Diploma or credits in Education

(b) Degrees only

TOTAL GRADUATES

B. SECONDARY EDUCATION:

(a) Overseas Trained

(b) Locally Trained

(c) University Education - Non-graduate

(d) Secondary Education Only

TOTAL SECONDARY

TOTAL A and B

TABLE 4 - TEACHERS

(iv) MIDDLE SCHOOL TEACHERS 1978

Abstract of Table 4 (ii)

F.W.P. Schools			Catholic School			S.D.A.			I.D.S. Schools			TOTAL			TOTAL									
F.C.V.			Tongan			N.Z.			Tongan			U.K.			Tongan			Expatr.			Volun.			
M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
						1																		
						1																		
2	1					2			9	7		2			11	7	1	2						
13	11		3	1	1				21	11					37	23	1							
						2	2			3						5	2							
10	4		2	2					3	5					15	11								
23	15		5	7	3	2	2	1	24	19					54	42	3	2						
25	16		5	7	5	2	2	1	33	26		2		65	50	5	4							

A. GRADUATE

(a) With a post-graduate Diploma or credits in Education

(b) Degrees only

TOTAL GRADUATES

B. SECONDARY EDUCATION

(a) Overseas Trained

(b) Locally Trained

(c) University Education Non-graduate

(d) Secondary Education only

TOTAL SECONDARY

TOTAL A and B

TABLE 4 - TEACHERS

(v) Teachers' Training College Staff 1978

	TONGAN TEACHERS		VOLUNTARY TEACHERS								TOTAL								
			P.C.V.		V.S.A.		C.U.S.O.												
	M	F	M	F	M	F	M	F	M	F	M	F	T						
<u>A. GRADUATES</u>																			
(a) With post graduate Certificate or Credits in Education	2		2			1									5				5
(b) Degrees only																			
TOTAL GRADUATES	2		2			1									5				5
<u>B. SECONDARY EDUCATION</u>																			
(a) Overseas trained	1	4													1	4			5
(b) Locally trained	3	1													3	1			4
TOTAL SECONDARY	4	5													4	5			9
TOTAL A and B	6	5	2			1									9	5			14

TABLE 4 - TEACHERS

(vi) Teachers in Training - Enrolment by Academic Level, By Sex, By Sponsoring Body 1978

SPONSORING BODY	N.Z.S.C.			T.H.L.C.			T.L.L.C.			Secondary Only			TOTAL		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
YEAR 1															
Government	4	4	8	14	29	43							18	33	51
Free Wesleyan Church	2	1	3	11	4	15							13	5	18
Roman Catholic	2	3	5										2	3	5
Free Church of Tonga				6	2	8							6	2	8
TOTAL	8	8	16	31	35	66							39	43	82
YEAR 2															
Government				14	20	34							14	20	34
Free Wesleyan Church				7	8	15			1				8	8	16
Roman Catholic		2	2	1	2	3							1	4	5
Free Church of Tonga				5	4	9							5	4	9
TOTAL		2	2	27	34	51			1				28	36	64
TOTAL ENROLMENT	4	4	8	28	49	77							32	53	85
Government	2	1	3	18	12	30			1				21	13	34
Free Wesleyan Church	2	5	7	1	2	3							3	7	10
Roman Catholic				11	6	17							11	6	17
Free Church of Tonga	8	10	18	58	69	127			1				67	79	146
TOTAL															

TABLE 6 - FINANCE

ESTIMATE OF EXPENDITURE ON EDUCATION AND TRAINING FOR THE FINANCIAL YEAR ENDING DECEMBER 1978

	R E C U R R E N T											TOTAL
	DIREC- TION	ADMINIS- TRATION	GENERAL SER- VICES	TECHNICAL SERVICES	VOCATIONAL & GUIDANCE	PRIMARY EDUCATION	SECONDARY EDUCATION	TEACHER EDUCA- TION	SCHOLAR- SHIPS	MARINE TRAINING SCHOOL	NON- RECURRENT	
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
A. By Education Department	18,100	22,272	19,605	64,985	4,652	700,682	230,243	92,275	186,224	28,295	-	1,357,333
(ii) Maintenance under V.O.W.						1,300	5,250					18,550
3. Churches		127,061	34,829	24,830	5,853	70,777	572,691.89	23,600	8,528		30,917	899,086.89
TOTAL A & B	18,100	149,333	54,434	89,815	10,505	784,759	808,184.89	115,875	194,752	28,295	30,917	2,284,969.89

Expenditure by Churches 1978:-

	\$
Latter Day Saints	745,168.00
Church of England	46,000.00
Seventh Day Adventists	107,918.89
*Free Wesleyan Church	
*Free Church of Tonga	
*Roman Catholic	
*Private (*Arerial)	
	<u>899,086.89</u>

* No returns were received from these educational agencies.

6 class rooms at June 1979
 100% 2000
 1979

6 class rooms at June 1979
 100% 2000

(ENROLLMENT ENDING 1979)

GOVERNMENT PRIMARY SCHOOLS AND MISSION SCHOOLS — 1979

Central District

SCHOOL	I		II		III		IV		V		VI		TOTAL		TOTAL		TEACHERS	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
VAHE IOTO	57	60	64	60	59	59	105	85	105	85	89	85	479	434	3	24	27	
Fuaka'alofa	61	48	48	47	56	40	61	65	92	94	84	77	402	371	9	15	24	
Ma'afanga	34	37	61	50	45	40	38	48	65	65	57	56	300	296	4	14	18	
Egele'ia	26	34	30	19	28	23	48	36	66	63	51	51	249	222	2	15	17	
Longolongo	32	19	32	41	32	26	42	40	71	55	57	41	266	222	3	13	16	
Harvelu	19	29	25	24	32	23	28	38	45	55	42	47	191	216	4	10	14	
Pasi	23	30	19	17	24	21	20	27	52	32	41	38	199	165	2	10	12	
Kolomotu's	25	25	32	25	25	28	34	25	26	58	43	42	165	203	2	12	14	
Fanga	21	25	7	16	15	17	15	18	10	21	9	14	77	111	1	7	8	
Tonga Side School	298	307	318	299	316	277	391	378	532	528	473	451	2326	2240	30	120	150	
Angaha	29	23	29	36	29	21	31	27	40	35	38	33	196	175	5	6	13	
Ha'atua's	18	14	26	24	22	10	21	25	30	34	32	27	149	124	4	6	10	

216, 210, 212, 214
 Headmaster 1979

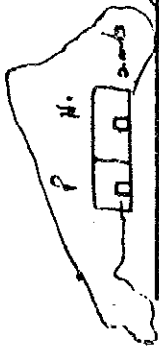
	I			II			III			IV			V			VI			TOTAL			C/ TOTAL	TEACHERS			
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T		M	F	T	
Yahs Loto																										
'Obema	23	14	20	19	17	25	24	12	17	23	24	23	116	125	241	24	23	116	125	241	241	4	5	9		
Roona	3	2	3	5	4	6	7	7	5	8	6	4	33	28	61	6	4	33	28	61	61	3	-	3		
Tufuvai	3	1	1	3	4	4	4	3	2	5	8	5	21	22	42	8	5	21	22	42	42	2	-	2		
	76	54	79	87	76	66	87	64	94	105	108	92	468	520	988	108	92	468	520	988	988	18	19	37		
<i>Fanning District</i>																										
YABE HAPAKE																										
'Atele - F. N.	34	28	30	23	35	36	33	30	53	48	77	60	225	262	487	77	60	225	262	487	5	10	15			
Nu'a	27	26	22	28	25	25	32	38	47	44	46	38	199	199	398	46	38	199	199	398	5	8	13			
Vaini	27	20	40	20	37	26	32	41	51	40	55	45	192	242	434	55	45	192	242	434	8	9	17			
Lapaha	41	26	41	23	28	30	30	20	52	54	41	40	233	233	426	41	40	233	233	426	4	10	14			
Kolonga	24	32	23	15	29	22	43	39	40	33	43	37	178	202	380	43	37	178	202	380	3	10	13			
Ha'asini	21	24	16	27	14	22	25	22	33	31	32	35	141	141	292	32	35	141	141	292	7	3	10			
Ha'anonga	15	21	13	17	29	19	28	15	34	32	32	34	138	151	289	32	34	138	151	289	5	5	10			
Folaba	18	18	22	12	24	17	32	30	26	31	19	25	133	141	274	19	25	133	141	274	8	3	11			
Fua'anotu	19	10	12	17	24	13	24	18	28	22	31	30	110	138	248	31	30	110	138	248	3	6				

VILLAGE NAME	I		II		III		IV		V		VI		TOTAL M	TOTAL F	G/ TOTAL	TEACHERS		
	M	F	M	F	M	F	M	F	M	F	M	F				M	F	T
Talafono	16	17	13	8	19	12	14	17	40	22	30	24	132	100	232	2	8	10
Nanuteka	17	16	23	9	11	14	21	22	19	14	19	24	100	99	199	3	4	7
Longotane	19	13	15	16	13	9	27	26	18	18	20	14	112	96	208	2	5	7
Veitongo	15	12	17	8	26	12	19	15	14	23	30	19	121	89	210	3	5	7
Ta'afalu	7	10	13	7	10	5	11	5	20	12	13	11	74	50	124	2	3	5
Holounga	10	7	12	11	9	12	11	14	17	13	18	14	77	71	148	1	4	5
Hoi	7	8	11	6	14	7	16	19	8	4	13	7	69	51	120	1	3	4
Iotolo	9	7	13	6	10	6	7	6	7	12	20	8	66	45	111	2	2	4
Tolosa	2	2	6	11	10	7	7	11	7	4	16	10	48	45	93	3	1	4
	328	278	332	264	367	294	412	388	514	457	555	475	2508	2165	4673	67	99	166
	615		496		661		800		971		1030		4673					

Maaloum District

VARE KIRIHO	I		II		III		IV		V		VI		TOTAL		G/ TOTAL	TELECHERS		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F	T
Tokomololo	34	29	28	25	43	29	43	23	54	38	47	29	249	173	422	8	6	14
Hoama	22	13	16	13	21	15	36	40	32	36	43	34	170	151	320	5	7	12
Te'ekin	14	16	7	10	18	13	24	22	30	27	26	30	119	118	237	3	5	8
Kolovai	21	14	15	29	13	12	26	21	27	26	18	13	120	115	235	2	7	9
Ha'alalo	15	19	17	12	26	18	8	24	11	12	15	18	92	103	195	3	3	6
Hofoa	8	11	16	13	23	13	15	22	23	22	26	18	111	99	210	3	4	7
Fafai	15	17	14	13	11	9	22	16	35	27	25	22	122	104	226	2	6	8
Fabefa	19	16	13	10	19	8	16	10	12	20	19	13	88	77	175	2	4	6
Kandrupolu	11	9	5	8	9	9	14	17	9	6	12	8	60	37	117	2	2	4
Katabau	12	11	6	7	8	6	8	6	8	14	14	13	56	57	113	2	2	4
Sia'atoutai	4	5	10	7	7	7	6	4	8	5	5	5	40	33	73	1	2	3
'Atata	2	4	1	4	2	3	2	5	6	1	7	6	20	23	43	2	-	2
'Bualiki	3	4	-	-	3	2	5	2	3	5	3	1	17	14	31	1	1	2
	180	168	148	151	203	144	225	212	258	239	260	210	1274	1124	2398	36	49	85
				299		347	437		497		470		2398					
				343														

Provision of land comes from here.



Village	I		II		III		IV		V		VI		TOTAL		TOTAL		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
VAVE HA'APAI	39	25	37	33	51	35	39	43	57	46	53	49	276	231	3	15	18
Pangai/Hihifo N. S. & S.	22	21	20	15	19	19	14	16	28	24	23	25	126	120	7	2	9
Fotua	10	10	10	10	6	6	13	12	13	15	8	14	60	67	3	2	5
Mata'sho	14	13	10	9	15	16	18	16	17	15	15	14	89	83	2	4	6
Fakakakai	10	8	17	4	10	8	10	7	15	6	13	9	75	42	2	2	4
Koulo	6	6	15	10	12	3	10	10	15	13	14	8	72	50	1	3	4
Ha'ano	6	6	4	8	4	-	6	6	11	3	10	12	41	35*	2	1	3
Ko'tuaga'one	6	9	3	1	3	5	6	3	7	4	6	2	31	24	3	-	3
Lofanga	3	2	5	5	-	-	6	7	7	9	7	9	28	32	2	1	3
Ha'afava	11	3	5	8	2	6	11	4	14	11	16	9	61	41	3	1	4
Tungua	3	8	1	7	9	6	13	10	5	12	8	10	39	53	2	1	3
'O'ua	7	6	3	2	4	4	2	4	3	10	6	7	25	33	1	1	2
Fotua'a	3	1	-	1	3	4	-	3	2	1	5	-	13	10	1	-	1
Kotu	1	10	1	3	2	3	2	6	3	6	2	7	11	32	1	1	2

A.M.

VAHE HA'ARAI	I		II		III		IV		V		VI		TOTAL			TEACHERS		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOTAL	M	F	T
Ma'utu	2	-	2	1	5	5	2	3	3	3	1	5	5	19	34	1	1	2
Tofua <i>S. P. P. P. P.</i>	1	1	1	1	-	-	3	1	1	1	1	-	1	6	11	1	-	1
Nomaka	10	13	9	5	7	10	11	13	16	13	10	16	63	133	4	1	5	
Mango	1	2	2	2	3	3	1	1	4	4	2	2	13	27	1	1	2	
Fonoifua	4	1	1	-	3	2	2	3	1	2	4	4	15	27	1	1	2	
	159	145	146	125	160	135	169	165	222	196	207	203	1063	2032	41	38	79	
<u>VAHE VA'AVAU</u>																		
Veiafu N. S. - H. M.	56	42	54	44	50	45	50	55	64	55	89	80	365	686	5	21	26	
Leimatua's . H. M.	28	13	16	12	22	27	19	17	31	16	44	33	160	278	5	7	12	
Palétoa	13	14	15	18	19	9	25	15	19	27	28	25	119	227	2	6	8	
Ha'alaufuli N. M.	9	13	21	25	27	17	22	28	28	25	27	20	134	260	6	7	13	
Kakave	15	13	11	15	12	19	15	12	18	10	23	13	94	176	2	4	6	
Fangaimotu	7	5	8	8	16	5	12	12	15	13	19	20	77	140	2	3	5	
Holonga	10	8	6	12	7	10	14	9	9	11	16	14	62	126	3	2	5	
Houma	4	7	4	7	10	12	9	10	6	11	11	11	43	101	3	1	4	

VARE VAVA'U	I		II		III		IV		V		VI		TOTAL M	TOTAL F	G/ TOTAL	TEACHERS		
	M	F	M	F	M	F	M	F	M	F	M	F				M	F	
Taoas	3	2	12	13	7	7	6	8	3	8	18	9	49	47	96	3	1	4
Tu'aneivale	7	12	3	8	8	5	11	10	9	7	21	8	59	50	109	3	1	4
Tonala	13	10	11	5	4	4	6	6	9	6	9	10	52	41	93	2	2	4
Hanga	5	3	2	4	6	5	7	4	7	3	12	11	39	30	69	1	2	3
Tu'amakiri	7	6	2	2	5	6	5	6	5	7	5	9	29	36	65	1	2	3
Kolosa	9	2	4	4	5	3	3	3	8	5	6	7	35	24	59	1	2	3
Susupapu	2	2	4	4	1	5	6	0	6	3	4	6	23	24	47	1	1	2
Ovaka	3	3	4	6	2	1	3	5	8	2	6	8	26	23	49	1	2	3
Otoa	2	3	5	1	7	4	2	2	4	2	6	6	26	18	44	1	1	2
Tutangaake	2	2	5	3	3	1	2	6	4	4	7	4	23	20	43	2	-	2
Ofu	1	4	4	8	3	-	4	3	4	-	2	6	18	26	34	1	1	2
Kaja	4	-	2	3	3	1	4	4	3	5	5	3	21	16	37	2	-	2
Faleral	5	5	-	-	6	3	4	3	4	2	3	5	22	18	40	2	-	2
Tafisi	17	15	12	12	12	11	8	8	16	9	21	13	86	68	154	3	2	5

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VAHE VAVATU	I		II		III		IV		V		VI		TOTAL		G/TOTAL		TEACHERS	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Loogomaru	11	12	8	11	13	4	10	10	15	16	13	12	70	65	135	1	4	5
Nga 'unobho	4	4	3	2	3	3	4	2	3	4	6	3	23	18	41	2	-	2
Matamaka	4	1	1	3	2	3	9	4	6	1	4	5	26	17	43	1	1	2
'Utulei	1	1	4	2	2	-	2	2	3	4	1	2	13	11	24	2	-	2
'Olo'ua	3	2	1	2	3	1	1	4	2	1	3	5	13	15	28	1	1	2
Tamaga	2	3	1	1	2	2	3	4	2	-	3	4	13	14	27	1	1	2
Lape	-	-	-	-	1	-	1	1	2	-	1	1	5	2	7	1	-	1
	249	207	223	230	261	213	266	253	313	261	411	361	1723	1525	3248	62	75	137
	456		453		474		519		574		772		3248					
<u>2 NIUAS</u>																		
Hihifo - N.M.	17	25	20	19	23	19	25	13	30	23	32	34	147	133	280	9	1	10
Tafahi	3	1	10	5	6	3	6	7	4	8	9	4	38	28	66	3	-	5
'Alale'uta	10	5	6	6	5	12	7	9	18	7	8	5	56	44	98	4	-	4
Togomanga'o	6	6	4	1	7	-	3	9	4	5	4	5	28	26	54	2	-	2
	36	37	40	31	31	34	41	38	56	43	53	48	267	231	498	18	1	19
	73		71		65		79		99		101		498					

Y.W.P.S. MISSIONS	I		II		III		IV		V		VI		TOTAL	G/ TOTAL	TEACHERS			
	M	F	M	F	M	F	M	F	M	F	M	F			M	F	T	
Fuku'alofa	15	12	15	14	20	17	10	9	17	33	19	22	96	117	213	2	7	9
Fukunuku	15	15	15	12	16	17	7	11	23	22	16	14	92	91	183	3	4	7
Kolovai	16	16	15	10	11	9	17	8	25	14	28	34	112	91	203	2	4	6
Vaoitu'u	9	8	5	9	8	8	2	7	5	4	10	12	39	48	87	3	2	5
'Utulan	8	6	7	6	7	13	10	9	8	4	2	9	42	47	88	2	2	4
Mu'a	11	11	7	6	10	13	11	10	6	15	5	16	50	71	121	3	3	6
Fua'asoton	5	9	13	3	4	7	5	8	7	13	4	4	38	44	82	2	3	5
'Ohoomas	3	-	3	2	1	5	4	1	3	3	6	6	20	17	40	2	1	2
Pangai/Hihifo	3	7	7	3	7	4	8	5	5	4	5	4	35	27	642	3	-	3
Nomuka	4	6	2	3	6	2	3	4	3	4	4	3	22	22	44	2	1	3
	92	102	90	67	90	95	89	71	102	117	99	123	550	575	1125	24	27	51
	194		157		185		150		219		222		1125					
S.D.A. MISSIONS																		
Mangala	9	15	9	10	9	9	6	10	12	13	14	8	59	65	124	2	3	5
Berulab	2	5	5	4	3	9	5	5	5	5	4	6	24	34	58	1	2	3
Misipa	1	2	1	2	4	3	8	4	4	-	2	1	20	12	32	-	3	3
	12	22	15	16	16	21	19	19	21	18	20	15	103	111	214	3	8	11
	34		31		37		38		39		35		214					

DISTRICTS

Districts	I		II		III		IV		V		VI		TOTAL		C/ TOTAL	TEACHERS	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
Yabe Ioto	374	361	397	306	343	442	626	633	581	543	2848	2708	5556	48	139	187	
Yabe Habake	328	287	332	264	294	388	514	457	555	475	2508	2165	4673	67	99	166	
Yabe Hihifo	180	168	148	151	144	212	258	239	260	210	1274	1124	2398	36	49	85	
Yabe Ea'ajal	159	145	146	125	135	165	222	196	207	203	1063	969	2032	41	38	79	
Yabe Vava'u	285	244	263	261	247	291	369	304	464	409	1990	1756	3746	80	76	156	
Missiona (P.P.S.)	89	102	90	67	95	71	102	117	99	123	550	575	1125	24	27	51	
S.D.A. P.S.	12	22	15	16	21	19	21	18	20	15	103	111	214	3	8	11	
	1427	1329	1391	1270	1279	1588	2112	1964	2186	1978	10336	9408	19744	299	436	735	

Government Primary Sch - 97
 Mission - 10
 S.O.A - 5
 T.T - 14, 18, 19 - 45
 H.P. - - - - 19
 V.U. - - - - 33

PRIMARY BUILDING PROJECT : DEVELOPMENT PLAN IV, JULY 1980 - JULY, 1985

Note : Teacher - Pupil Ratio, 1:30
 Alloted Space per child : 3' X 3'
 Area of the Classroom : 22' X 22'

Building Programme : In Order of Priority

Name of School	District	Roll 1979	Type of School	No. of Classrooms Required	Cost (\$8,000 per CL)	Cost Furniture (Desk, Chairs, Cupboard)	Toilet Facilities	Total
1980-1981								
1. Houma	Hihifo (TT)	324	New	12+	96 000	2 749.80	12 000	110 749.80
2. Kolongo	Habake (TT)	371	New	13+	104 000	2 978.95	12 000	118 978.95
3. Ha'atu'a	'Eua	266	Extension	3	24 000	687.45	-	24 687.45
4. Fatai	Hihifo (TT)	217	Extension	3	24 000	687.45	-	24 687.45
5. Ma'ufanga	Vaheloto (TT)	765	Extension	10	80 000	2 291.50	-	82 291.50
							SUB-TOTAL	351 395.15
1981-1982								
1. Houma	Vava'u	103	New	3	24 000	687.45	6 000	30 687.45
2. Iongoteme	Habake (TT)	214	New	7	56 000	1 604.05	6 000	63 604.05
3. Ngelavia	Vaheloto (TT)	586	Extension	6	48 000	1 374.90	6 000	55 374.90
4. Nuku'alofa	Vaheloto (TT)	840	Extension	10	80 000	2 291.50	-	82 291.50
5. 'Ohomua	'Eua	246	Extension	3	24 000	687.45	-	24 687.45
6. Fofaba	Habake (TT)	171	Extension	2	16 000	458.30	-	16 458.30
							SUB-TOTAL	273 103.65
1982-1983								
1. Neiafu	Vava'u	725	New	16+	128 000	3 666.40	12 000	143 666.40
2. Vei-tongo	Habake	220	New	7	56 000	1 604.05	12 000	69 604.05
3. Matamaka	Vava'u	49	Extension	2	16 000	458.30	-	16 458.30
4. Kapa	Vava'u	42	Extension	2	16 000	458.30	-	16 458.30
5. Tefisi	Vava'u	160	Extension	1	8 000	229.15	-	8 229.15
6. Houma	'Eua	63	Extension	1	8 000	229.15	-	8 229.15
7. Fasi	Vaheloto	477	Renovation of Hall	Conversion of Hall	36 000	2 062.35	-	38 062.35
							SUB-TOTAL	300 707.70

Name of School	District	Roll 1979	Type of School	No. of Classrooms Required	Cost (\$8,000 per CL)	Cost Furniture (Desk, Chairs, Cupboard)	Toilet Facilities	Total	
1983-1984									
1. Holonga	Vava'u	128	New	4	32 000	916.60	6 000	38 916.60	
2. Hihifo	Ha'apai	521	New	10	80 000	2 291.50	12 000	94 291.50	
3. Valpoa	Niuafofua	280	New	4	32 000	916.60	6 000	38 916.60	
4. Havelu	Vaheloto (TT)	486	Extension	6	48 000	1 374.90	-	49 374.90	
							<u>SUB-TOTAL</u>	-	221 499.60
1984-1985									
1. Holonga	Hahake (TT)	141	New	4	32 000	916.60	6 000	38 916.60	
2. Tongamama'o	Niuafo'ou	55	New	2	16 000	458.30	6 000	22 458.30	
3. Sia'atoutai	Hihifo (TT)	75	New	2	16 000	458.30	6 000	22 458.30	
							<u>SUB-TOTAL</u>	-	83 833.20
							<u>GRAND TOTAL</u>	-	1 240 539.30

トンガタプには民間の建設会社が3社あるが、建設省 (Ministry of Works) と需品局 (Commodities Board) も公共の建設のみならず民間の建設を請負う。民間で最も大きい施工会社は資本金 200,000 T\$, 年間の完成高は 100,000 T\$ 位で、技術者 20 人を持つ。労務者は職種についていえば、例えば大工が屋根カザリ工事も兼ねるという状態である。賃金も安いが能率も悪い。

建築資材はトンガタプ島にある工場で生産されるコンクリートブロック、海砂、骨材としてのコーラル石灰岩の碎石、足場・サポート用としての椰子の丸太位が現地産で、その他の建築資材はすべて輸入に頼る。前述の需品局がニュージーランド、オーストラリア、フィジー、日本、フィリピンなどの国から建築材料を輸入し、これを一般に販売している。

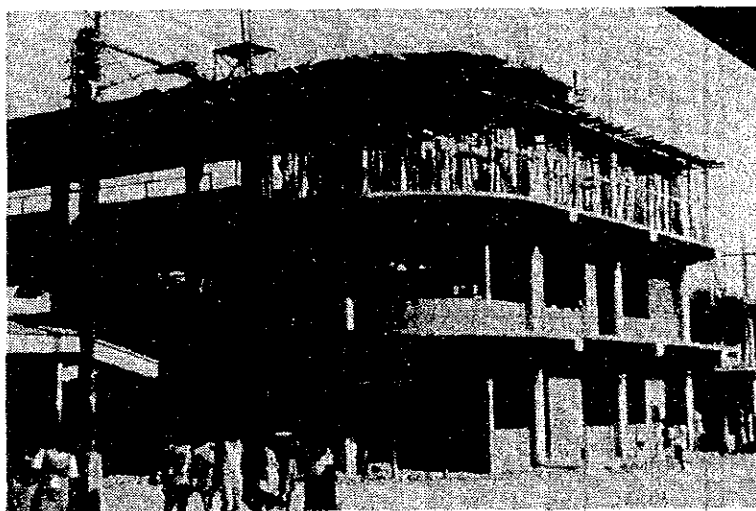
ヌクアロファで工事中の建物を二、三視察したが、コンクリートの打ハナシなどは割合にていねいな施工をしている。またニュージーランドの援助による Work Shop は亜鉛鍍した鉄骨造で精度の高い構造である。建設省 (Ministry of Works) には 2 人の建築技師 (米国人及ニュージーランド人) がいて、建築についての指導的立場にある。

ヌクアロファにある主要な施工会社

Nakao Construction

E. M. Jones

Tonga Construction



工事中の建物 (ヌクアロファで)

ISHIMOTO ARCHITECTURAL & ENGINEERING FIRM, INC.
 4-6-12, KUDAN-MINAMI, CHIYODA-KU, TOKYO, JAPAN 102 TEL 03-262-7161
 BRANCHES; OSAKA, SAPPORO, NAGOYA, FUKUOKA, SENDAI

III. Information on construction

Q. : 1. Any internal codes, regulations or standards governing construction, civil engineering, electricity, machinery etc.

Any regulations about pollution.

A. : There are minimal regulations so far existing to control building in the Kingdom. What regulations do apply are administered by the Ministry of Health and are principally concerned with prevention of over-crowding, the provision of sanitary, septic tanks location and disposal etc. TEPB have their own installation Regulation which prohibits, any other but their own employees to do House wiring etc.

works
○

: There is no regulation regarding the part one of question I. Regulations about pollution will be determined together with question two.

Q. : 2. Procedures of the application to the authorities about construction works including building services.

A. : Application for all Government Projects must firstly be directed through the Development Committee before being presented to the Cabinet for the final decision. Plan of Project and Estimate must be presented in both cases specifying all necessary building details.

: Current procedures of the application for New Construction are:

- a. Detail plans are specifications of the building.
- b. Sewage treatment plant, e.g. Septic tank and specifications.
- c. Method of disposal of final effluent.
- d. Site and No I-3 must be inspected and checked by M.O.H. prior to construction commence.

Q. : 3. Building materials secured or manufactured locally:
 capacity per month
 price per unit

A. : (See attached list)

Q. : 4. Labourers secured locally:

Kinds of labourers
 Skillfulness
 Labour cost
 No. of labourers
 System of employment (the way of recruiting)

A. : a. Carpenters
 Plumbers
 Painters
 Ordinary labourers

- b. Some Carpenters and Plumbers have obtained overseas qualification but most have local experiences which in some cases are very good.
- c. Carpenters } \$3.30 - \$4.90 per day - .10¢
 Plumbers } min. - max. annual increment.
 Painters }
- Ord. labourers - \$2.50 - \$3.00 - .10¢ annual
 min. - max. increment.
- d. Kingdom is presently experiencing its highest ⁱⁿ consumptions of construction and the demand for skilled labourers has increased greatly, which results in wage increases, especially in the Private Enterprise Category. However ordinary labourers are always plentiful.
- e. Usually advertise over the air and in our weekly chronicle, but words travel quickly and recruitment is no problem provided that the wages are reasonable. Once recruited they should start at the minimum but it can vary according to qualification and experience.
- A long Service Annual Increment is applied. To terminate the service of an employee, a notification is given at least a week before the actual termination.

- Q. : 5. How many days can a labourer work in each month in wet season?
- A. : Labourers do not work during the rain unless properly covered.
- Q. : 6. Construction machines available locally:
 Its number and capacity.
- A. : Concrete mixers : 5-7 cubic ft
- Q. : 7. Transportation of building materials from the port to the construction site.
- A. : By trucks or towed trailer.
- Q. : 8. Labourers, especially carpenters and plumbers in Ha'apai Island.
- A. : Usually Carpenters and Plumbers are sent from Tongatapu, but there should not be any trouble employing ordinary labourers in Ha'apai.
- Q. : 9. Taxes and other charges to be included in building cost.
- A. : 1/2 10% no tax
 Duty and Government Tax ranges from 20% - 40%.
- Q. : 10. Price list of building materials.
- A. : (See attached list)

BUILDING MATERIAL LIST
as available in the Government Store

<u>Materials</u>	<u>Cost</u>
Timber	- \$155.00 per 100 sq. meter
D/Reinforce Steel - $\frac{3}{4}$ "	- \$ 6.60 per length
$\frac{1}{2}$ "	- \$ 3.29 " "
$\frac{1}{4}$ "	- .70 " "
Wire mesh - 12' X 4'	- \$ 8.82
- 8' X 4'	- \$ 5.42
Block lok - No. 6	- \$ 1.30
- No. 8	- \$ 1.61
Window louvers - 12 blades	- \$ 18.00
- 10 "	- \$ 15.00
- 8 "	- \$ 12.00
- 6 "	- \$ 10.00
Doors 750 X 2.000 m	- \$ 37.74
Asbestos Roofing Super Six 3m	- \$ 18.93
" Fluted Ridge	- \$ 13.13
" Barge	- \$ 12.50
Sisalation 20m X 1.2	- \$ 47.24
Chicken wire 25m X 1.2	- \$ 31.97
<i>per meter</i> PVC Pipes - 4"	- \$ 21.10 <i>6 meter</i>
1 1/2" - 3"	- \$ 12.63 "
- 2"	- \$ 4.07 "
- 1"	- \$ 2.95 "
Hardboard - 2.4 X 1.200	- \$ 4.67
Flat asbestos 2.4 X 1.200	- \$ 8.00
All Nails	- .98 per 500 gram
All Paints 4 litres	- \$ 12.00
Particleboard 2.400 X 1.200	- \$ 14.93
Formica 2.400 X 1.200	- \$ 22.00
<i>per</i> Quarry Tiles <i>6 in x 6 in</i>	- .25
Ceramic Tiles 1 1/2" x 1 1/2" <i>6x6</i>	- .29
Toilet Set	- \$ 95.00
W/basin	- \$ 18.23
Shower	- \$ 9.00
<i>per meter</i> Galvanise pipe - 1"	- \$ 11.62 <i>6 x 1 -</i>
- 2"	- \$ 22.59 "
- 3"	- \$ 38.09 "
- 4"	- \$ 55.37 "

USEFULL MATERIALS FOR BUILDINGS IN TONGA

1. Cement \$4.00
2. Reinforcement:
 - a. M. S. ROD - 6 mmØ x 6 m = .65 £ length
 9 mmØ x 6 m = \$1.84 "
 12 mmØ x 6 m = 2.09 "
 15 mmØ x 6 m = 3.00 "
 19 mmØ x 6 m = 4.60 "
 22 mmØ x 6 m = 6.60 "
 - b. Mesh Wire - 3.6 m x 1.2 m = 8.82
 2.4 m x 1.2 m = 5.42
 4.3 m x 2.1 m = 15.00
 - c. Blok lok - No. 4 = .99 £
 No. 6 = 1.01 £
 No. 8 = 1.19 £
3. Black

400 x 200 x 200	=	.30£
400 x 200 x 150	=	.24£
400 x 200 x 100	=	.21£
4. Timber:

N.Z. Timber (Oregon x Rimus)	=	\$220.00 per m ³
Australia	=	47.15 per 100 Sup. ft.
Fiji Dakuia	=	77.15 per 100 "
Local Treated Timber	=	28.00 per 100 "
5. Ceiling & Living materials

Plywood	-	2.4 x 1.2 x 6	=	12.49 & \$10.70
Hardboard	-	3 m x 1.2 x 6	=	7.68
"	-	2.4 x 1.2 x 4	=	5.16
Soft board	-	2.4 x 1.2 x 12	=	9.21
Gibraltar board	-	2.4 x 1.2 x 9	=	5.29
Partical board	-	2.4 x 1.2 x 12	=	10.70
6. Roofing:

Corrugated glavanized roofing iron 24g - 26 gauge	} = \$1.00 per ft.
Asbestos Super Six	= 2.4 x 1.2 = \$9.00
	3 m x 1.2 = 18.00
7. Plumbing:

Bath Tub with fittings	= \$150.00
Porcelain Toilet fittings	= 150.00
Shower fittings	50.00
S/S/Sink "	150.00
W/Basin "	50.00
8. Piping:

Galv. pipe - 12 mmØ x 6.3	= \$1.12 per meter
19 " x 6.3	= 1.28 "
25 " x 6.3	= 1.77 "
32 mmØ x 6.3	= 2.08 "
38 mmØ x 6.3	= 2.50 "
50 mmØ x 6.2	= 3.47 "
60 mmØ x 6.3	= 4.61 "
75 mmØ x 6.3	= 5.86 "
100 mmØ x 8.57	= 8.57 "

9. Finishing:

Paint (all color)	= 1 gallon (4.5 litres)	= \$16.00
Varnish	"	= 15.00
Vinyl Tile 300 x 300		= .40¢
Laminex (Formica)		= 15.20

NOTICE

資料 - 3

MAXIMUM WAGE RATES FOR DAILY PAID WORKERS

In exercise of the powers conferred by Section 4 of the Prices of Goods and Services Act 1947, (Chapter 117) the Competent Authority has with the express approval of His Majesty-in-Council, by order fixed and declared that the maximum wages which may be paid for daily labour with effect from 1 July 1979 are as follows:-

(1) CATEGORY OF WORKMEN AND MAXIMUM WAGE

- Category 1: Labourer: Rate of pay \$2.50 per day plus 5 annual increments of 10 seniti per day. This category includes all general unskilled labour.
- Category 2: Semi-skilled Labourer: Rate of pay \$2.90 per day plus 5 annual increments of 10 seniti per day. This category comprises labour with limited skills and no formal training employed on semi-skilled duties, including light vehicle drivers.
- Category 3: Skilled Tradesman, Grade III: Rate of pay \$3.30 per day plus 5 annual increments of 10 seniti per day. This category comprises locally trained tradesmen, plant operators and heavy vehicle drivers. A trade test should not be required for this category.
- Category 4: Skilled Tradesman, Grade II: Rate of pay \$3.70 per day plus 5 annual increments of 12 seniti per day. This category comprises trained tradesmen, heavy plant operators and supervisory staff to about 10 man level. Apprentices would enter this scale after passing the necessary Trade Test. A trade test or formal training should be required for entry into this category.
- Category 5: Supervisor and Skilled Tradesman, Grade I: Rate of pay \$4.10 per day plus 5 annual increments of 16 seniti per day. This category comprises foremen on major projects and fully skilled tradesmen with formal training. A trade test or formal training should be required.
- Category 6: Apprentices: Rate of pay \$2.25 per day plus 3 annual increments of 10 seniti per day. This category comprises those undergoing formal apprenticeship followed by a trade test.
- Category 7: Daily paid Watchmen, Toilet Attendant, Caretaker: Rate of pay \$2.25 per day for each eight hour shift plus 5 annual increments of 5 seniti per day. Hours upto a 12 hour shifts would be paid at the standard rate. Normal overtime rates (time and a half) should be paid for work over 12 hours shift per day and for public holidays.

(2) OVERTIME ALLOWANCE (Applicable to Categories 1 to 6 only)

- | | |
|---|--|
| Monday - Friday over 8 hours | - time and a half per hour |
| Saturday, over 4 hours | - time and a half per hour |
| Public Holidays | - time and a half per hour |
| Sundays, Christmas Days
and Good Fridays | - Double daily rates for first eight hours, then treble time per hour. |

(3) PUBLIC HOLIDAY PAY

Public Holidays (under the Holidays Act) excluding Saturday and Sunday should be paid to any daily paid worker who has completed two working years.

(4) SPECIAL ALLOWANCE PAYABLE IN ADDITION TO THE WAGE RATE

Septic Allowance	-	60 seniti per day
Height Allowances (for work over 30 feet)	-	40 seniti per day
Depth allowance (for work below 15 feet)	-	30 seniti per day
Lineemen	-	6 seniti per day
Tool Kit Allowances—		
Mechanics	-	15 seniti per day
Carpenters, Builders, Electricians, Lineemen, Plumbers, Tinsmith	-	10 seniti per day
Night Allowance (for night watchmen)	-	10 seniti per day

(5) This order shall come into force and be effective from the 1 July 1979.

Siosifana T. Folaumoetu'i
Acting Secretary
Competent Authority

J. H. NAKAO HOLDINGS LIMITED

Cable Address: NAKAOCO.

Phone No. 2592

POSTAL ADDRESS:

P.O. BOX 12.

NUKU'ALOFA.

17th April, 1980.

ISHIOTO ARCHITECTURAL & ENGINEERING P.L.C., Inc.

Estimated prices for tables and chairs as per plan:


Type 1. \$27.45 each

Type 2. \$14.57 each

Type 3. \$31.45 each

The above prices were based on supply of 200 of each type

Yours faithfully,
J.H. Nakao Holdings Ltd.


.....
S.T. Nakao,
Managing Director.

OCEANIC

INDUSTRIAL ENTERPRISE LIMITED

Railway Road, Nuku'alofa, Tonga Kingdom, SOUTH PACIFIC. P.O. Box 261 Cable: OCEANIC NUKU'ALOFA

Ref. G-G-00424/33

23 April 1980

Messrs. Ishimoto Architectural
& Engineering Firm, Inc.
Nuku'alofa

Gentlemen,

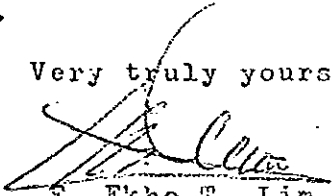
We take pleasure in submitting herewith our offer to furnish complete labour and materials for the fabrication of School Desks and Benches as per your sketches submitted. Our quotations are as follows:

200 units Wooden Desks 1,130 x 354 @ T\$25.00 each.
200 units Wooden Benches 1,130 x 185 @ T\$18.50 each.
30 units Large Wooden Desks
1,200 x 736 @ T\$40.00 each.

The above quotations will remain valid until
31 December 1981.

We earnestly hope that the above will merit your most favourable consideration.

Very truly yours,


F. Ekho T. Lim
General Manager

CONFIDENTIAL - SECURITY INFORMATION

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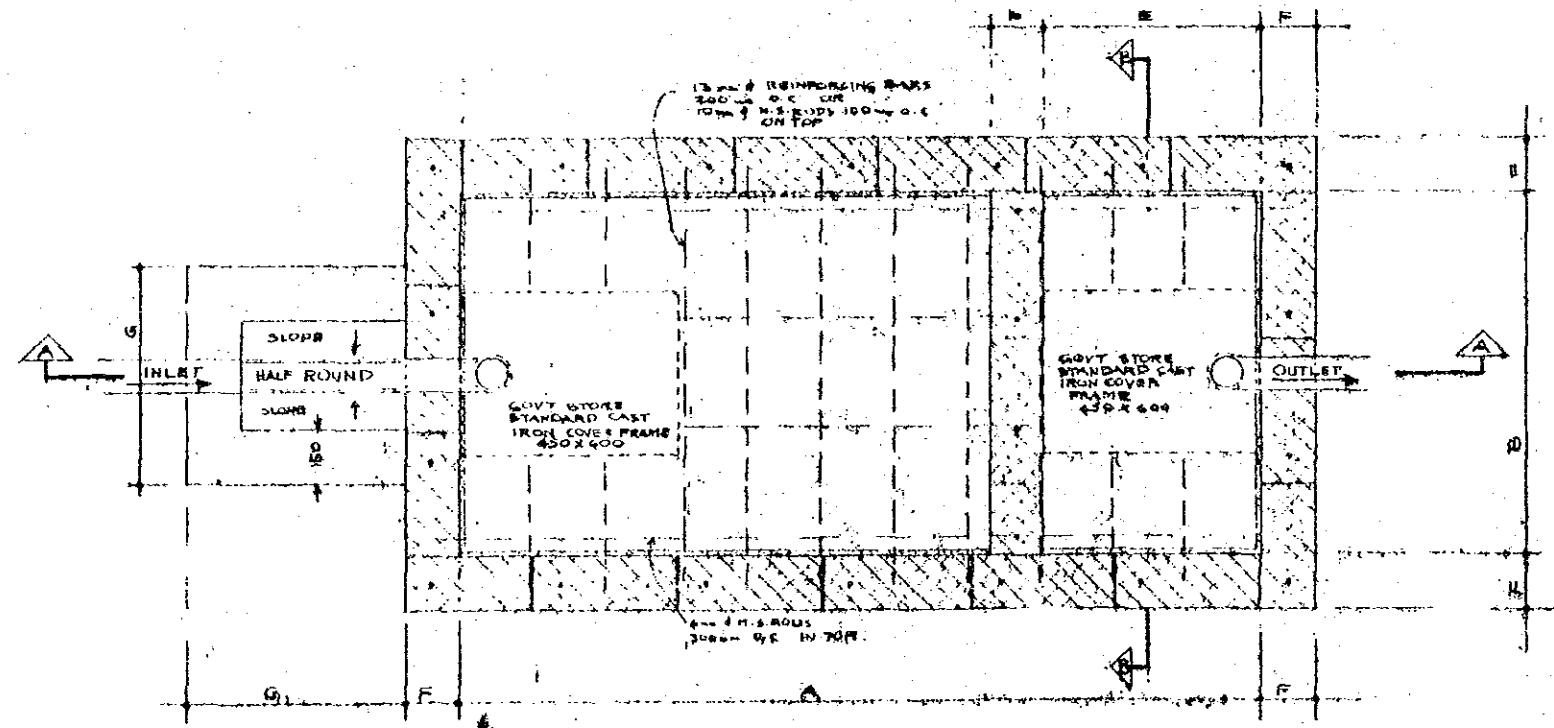
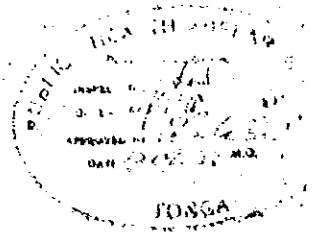
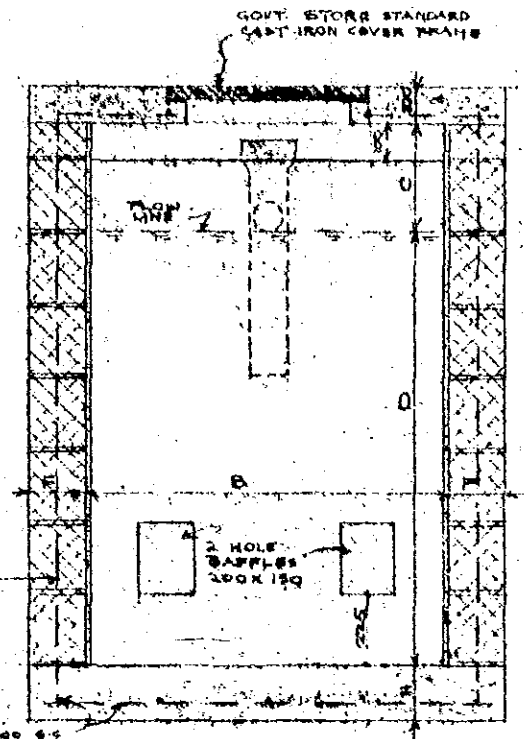
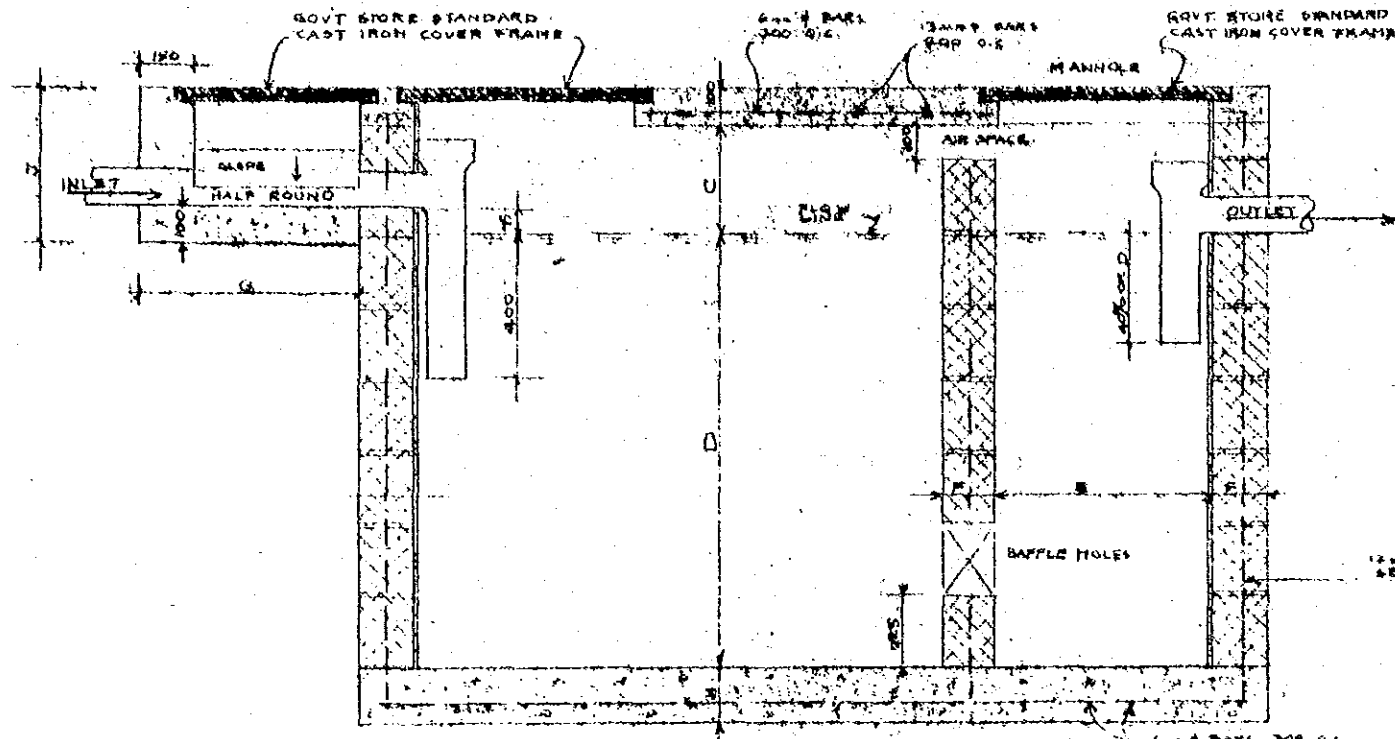
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SEPTIC TANK ALL DIMENSIONS IN MM												
NO. OF PERSONS SERVED	CAPACITY IN LITRES	IMP. GALES	LENGTH A	WIDTH B	AIR SPACE C	LIQUID DEPTH D	WIDTH E	WIDTH F	HEIGHT G	WALLS H	BOTTOM I	TOP J
1-4	1280	270	1400	200	300	1000	600	600	450	150	150	100
5-9	1730	375	1800	300	300	1200	600	600	450	150	150	100
10-14	2440	600	2200	400	300	1200	600	600	450	150	150	100
15-20	3450	835	2400	500	300	1200	600	600	450	150	150	100
21-25	4700	1040	2800	600	300	1200	600	600	450	175	150	125
26-30	5450	1235	2900	700	375	1400	600	600	450	200	150	125
31-35	6720	1435	3000	800	375	1400	600	600	450	200	150	125
36-40	7160	1625	3200	900	375	1400	600	600	450	225	150	125
41-45	8560	1810	3400	1000	375	1400	600	600	450	225	150	125
46-50	9910	2000	3600	1100	375	1400	600	600	450	225	150	125

NOTES:
 1. WHEN DIMENSION T IS 150 BLOCKWORK MAY BE USED IF IT IS SYSTEMED WITH 13mm OF WATERPROOFING COMPT.
 AND ALL CAVITIES IN BLOCKS ARE GROUTED
 2. ALTERNATIVE CAST IRON COVER MAY BE USED UPON APPROVAL

APPROVAL: _____ DIRECTOR

DESIGNED I.A.B.
 DRAWN S.M.T.
 REVISED T.B.M.
 DATE 8.9.1978

STANDARD SEPTIC TANK PLAN & SECTION

MINISTRY OF WORKS
 TONGA GOVERNMENT

DATE: _____
 SHEET N. _____

船 賃

1) Chartered Ship to TONGA

$$\boxed{\text{Total Freight}} = \boxed{\text{Unit Charge}} + \boxed{\text{BAF}} + \boxed{\text{CAF}}$$

Item	Unit	Unit Charge (US\$)	Total Charge (US\$)
Steel	TON	86.20	140.25
	M ³	77.25	125.69
Cement	TON	about 70.00	about 113.89
Steel Bar	TON	70.15	114.14
General cargo	TON	166.40	270.74
	M ³	150.65	244.05
Timber	M ³	90.50	147.25
Vinyl Film	TON	130.85	212.90
	M ³	130.85	212.90
Porcelain wear	TON	130.85	212.90
	M ³	130.85	212.90
Paint	M ³	164.70	267.97

Ref. BAF = Unit Charge x 0.402

CAF = Unit Charge x 0.225

2) Via Fiji to TONGA

$$\text{Total Freight} = \text{Unit Charge} + \text{BAF} + \text{CAF} + \text{Transshipment Charge} + \text{Second Freight}$$

Item	Unit	Unit Charge (US\$)	Total Charge (US\$)
Steel	TON	55.90	146.15
	M ³	55.05	144.77
Cement	TON	about 70.00	about 169.09
Steel Bar	TON	45.40	129.07
General cargo	TON	147.75	295.59
	M ³	133.70	272.73
Timber	M ³	81.95	188.54
Vinyl Film	TON	108.70	232.06
	M ³	108.70	232.06
Porcelain wear	TON	108.70	232.06
	M ³	108.70	232.06
Paint	M ³	149.75	298.85

Ref. BAF = Unit Charge x 0.402

CAF CAF = Unit Charge x 0.225

Transshipment Charge = 17.2\$/Ton or M³

Second Freight = 38.0\$/Ton or M³

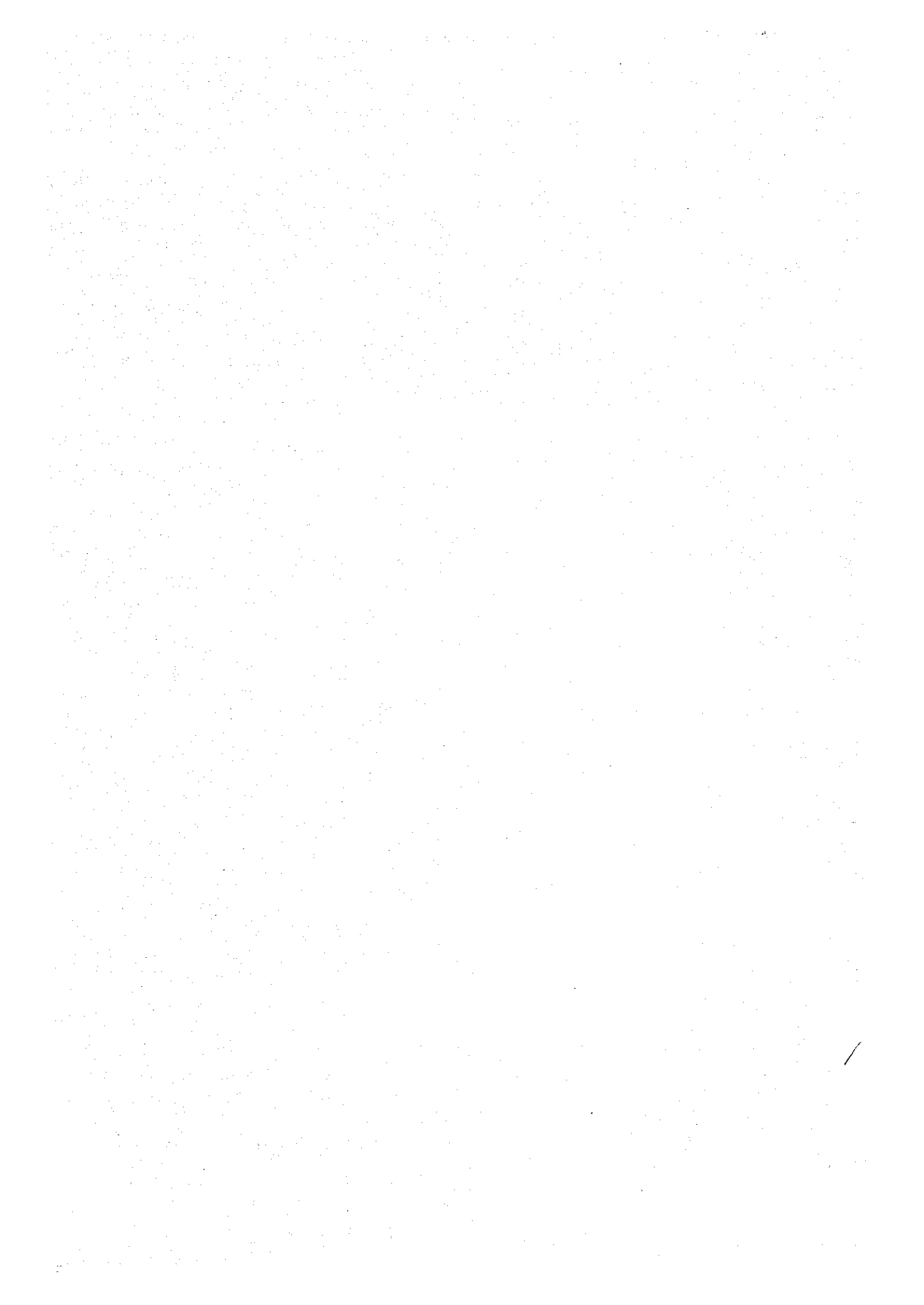
III 參考資料

参 考 文 献

1. HISTORY AND GEOGRAPHY OF TONGA (A.H. WOOD, 1932)
2. A Polynesian Village, the process of change (Penisimani Tupouniua, 1977)
3. THE GEOGRAPHY OF TONGA^(*1) (E.A. CRANE, 1979)
4. STATISTICAL ABSTRACT 1975^(*2) (STATISTICAL DEPARTMENT)
5. THIRD DEVELOPMENT PLAN 1975 ~ 1980 (Central Planning Office, 1976)
6. REPORT OF THE MINISTER OF EDUCATION FOR THE YEAR 1978^(*3)
7. トンガ, オセアニアでの暮らし^(*4) (国際協力サービス・センター, 1980)

地 図

1. MAP OF THE KINGDOM OF TONGA
2. TONGATAPU GROUP (1) ~ (4)
3. HA'APAI GROUP - LIFUKA
4. VAVA'U GROUP



JICA