Minutes of Discussions on the Basic Design Study on the Project for Upgrading and Expansion of Educational Facilities at Motufoua Secondary School in TUVALU (Draft Report Explanation)

From the 20th July to the 9th August, 1994, the Japan International Cooperation Agency (JICA) dispatched a Basic Design Study Team on the Project for Upgrading and Expansion of Educational Facilities at Motufoua Secondary School in TUVALU (hereinafter referred to as "the Project"), to TUVALU, and through discussions, field surveys, and technical examination of the results in Japan, has prepared the Draft Study Report.

In order to explain and to consult the TUVALU side on the components of the Draft Study Report, JICA sent to TUVALU a Draft Report Explanation Team headed by Mr. NISHIMOTO Toshiyuki, Grant Aid Division, Economic Cooperation Bureau, Ministry of Foreign Affairs, and stay in the country from the 24th to the 30th of September, 1994.

As a result of discussions, both parties agreed the main items described on the attached sheets.

Funafuti, the 28th September, 1994

西本俊幸

NISHIMOTO, Toshiyuki
Leader,
Draft Report Explanation Team,
JICA

HON KAMUTA Latasi
Prime Minister and
Acting Minister of Health,
Sports and Human Resource
Development,
TUVALU

A T T A C H M E N T

1. CONTENTS OF THE DRAFT STUDY REPORT
The TUVALU Government has agreed and accepted in principle the components of the Draft Study Report proposed by the Team.

2. CHARACTERISTICS OF THE JAPAN'S GRANT AID PROGRAMME
The TUVALU side has understood the system and characteristics of Japan's Grant Aid Programme explained by the Team including following matters.

1) Japan's Grant Aid is extended in the form of financial assistance which makes available the funds for procuring services and products necessary for implementing the project defined in "Exchange of Notes" (E/N). Therefore the usage of the fund provided under the Japan's Grant is strictly limited by the stipulation of E/N. .
2) A Project assisted by the Japan's Grant Aid must be implemented under "Japanese single-year budget system". This means that the project cycle must be, as a rule, completed, from signing on E/N to the final payment, within the same fiscal year in which the E/N signed.
3) For smooth implementation of a Project, a consulting firm that was selected by JICA for the Basic Design Study will be recommended as a Project Consultant to the TUVALU side by JICA.
4) The TUVALU side will conclude the contract for implementing the Project with Japanese company (-ies). And all such contract to be concluded shall be verified by the Ministry of Foreign Affairs of Japan through JICA.
5) Procuring services and products for implementing the Project shall be executed in accordance with "GUIDELINES FOR PROCUREMENT UNDER THE JAPANESE GRANT, 1991, JICA".

3. NECESSARY MEASURES TO BE TAKEN BY THE TUVALU SIDE
The Government of TUVALU will take necessary measures described in Annex for smooth implementation of the Project on condition that the Grant Aid by the Government of Japan is extended to the Project.

4. FURTHER SCHEDULE OF THE STUDY
JICA will complete the STUDY REPORT and send it to the TUVALU side by February, 1995.

ANNEX NECESSARY MEASURES TO BE TAKEN BY THE TUVALU SIDE

Following necessary measures should be taken by the Government of TUVALU on condition that the Grant Aid by the Government of Japan is extended to the Project:

1. To provide data and information necessary for the Project;
2. To secure, clear, level and reclaim the site for the Project prior to the Project implementation;
3. To provide proper access road to the Project area;
4. To undertake incidental outdoor works, such as gardening, fencing, exterior lighting, and other incidental facilities in and around the Project site, if necessary;
5. To bear commissions to the Japanese foreign exchange bank for its banking services based upon the Banking Arrangement, namely the advising commission of the "Authorization to Pay" and payment commission;
6. To ensure prompt unloading, tax exemption, customs clearance at the port of disembarkation in TUVALU and prompt internal transportation therein of the materials and equipment for the Project purchased under the Grant Aid;
7. To exempt Japanese juridical and physical nationals engaged in the Project from customs duties, internal taxes and other fiscal levies which may be imposed in TUVALU with respect to the supply of the products and services under the verified contracts;
8. To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into TUVALU and stay therein for the performance of their work;
9. To provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary;
10. To assign appropriate budget and teaching and administrative staff members for proper and effective operation and maintenance of equipment provided under the Grant Aid;
11. To maintain and use properly and effectively the facilities constructed and the equipment provided under the Project; and
12. To bear all the expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project.

Appendix-6 PRIME MINISTER'S SPEECH

- MR NISHIMOTO, LEADER OF THE SECOND JAPANESE BASIC DESIGN TEAM, AND YOUR DISTINGUISHED TEAM MEMBERS IN MR NISHIKI, MR HATANO AND MR DOI.
- ACTING SECRETARY FOR HEALTH SPORTS AND HUMAN RESOURCE DEVELOPMENT,
- GENTLEMEN.

I AM PLEASED AND INDEED HONOURED TO BE HERE ON THIS IMPORTANT OCCASION TO SIGN THE MINUTES OF THE DRAFT REPORT OF DELIBERATIONS BETWEEN THE GOVERNMENTS OF JAPAN AND TUVALU ON THE UPGRADING OF MOTUFOUA FACILITIES PROJECT, NOT ONLY IN MY CAPACITY AS ACTING MINISTER OF THE MINSTRY OF HEALTH, SPORTS AND HUMAN RESOURCE DEVELOPMENT BUT ALSO AS PRIME MINISTER OF THE COUNTRY AS A WHOLE.

AS YOU ARE AWARE GENTLEMEN, GIVEN THE VERY SMALL AND POOR ECONOMIC BASE OF TUVALU, OUR ONLY VIABLE RESOURCE OF ANY SIGNIFICANCE IS OUR PEOPLE; HENCE OUR PRIORITY EMPHASIS ON THE DEVELOPMENT OF OUR MANPOWER REQUIREMENT AND OVERALL HUMAN RESOURCE DEVELOPMENT.

TO UNDERTAKE CREDIBLE HUMAN RESOURCE DEVELOPMENT IN THE PRESENT AGE OF ADVANCE AND COMPLICATED TECHNOLOGY, EVEN TRAINING IN LOCAL SKILLS, CONSIDERABLE RESOURCES FOR THE BASIC INFRASTRUCTURE, TECHNICAL AND SUPPORT STAFF REQUIREMENTS ARE NEEDED. I AM THEREFORE PARTICULARLY HAPPY THAT JAPAN IS SERIOUSLY CONSIDERING BECOMING A MAJOR PARTNER IN THIS PRIORITY AREA OF DEVELOPMENT.

THE SIGNING OF MINUTES OF YOUR DELIBERATIONS WITH SENIOR OFFICERS OF MY GOVERNMENT IN THE PAST THREE DAYS TAKES US CLOSER TO THE REALISATION OF OUR TWO GOVERNMENTS' AIMS OF PARTNERSHIP IN EDUCATIONAL DEVELOPMENTS.

I NOTE THAT THE MINUTES CONTAINS THE COMMITMENTS JAPAN CONSIDERS TO UNDERTAKE UNDER THE MOTUFOUA UPGRADING PROJECT. BASICALLY IT INCLUDES THE CONSTUCTION OF:

NEW DORMITORIES FOR 150 GIRLS AND 150 BOYS;

FOURTEEN NEW SPECIAL AND GENERAL CLASSROOMS;

A NEW ADMINISTRATION BUILDING, COMPUTER ROOM, SICK BAY AND STAFFROOM;

A NEW KITCHEN AND DINING HALL WITH DINING CAPACITY FOR 600 STUDENTS;

A 600 CAPACITY GYMNASIUM WITH INDOOR VOLLEYBALL AND BASKETBALL FACILITIES;

10 NEW STAFF HOUSES;

NEW GENERATOR(S);

A LARGE NUMBER OF ESSENTIAL FACILITIES AND EDUCATIONAL EQUIPMENT;

THE RENOVATION OF EXISTING SCHOOL BUILDINGS AND DORMITORIES.

I AM ALSO AWARE THAT IN OUR PARTNERSHIP IN DEVELOPMENT, AND IN THE SPIRIT OF COOPERATION, MY OFFICERS HAVE IDENTIFIED AREAS WHERE TUVALU COULD ALSO CONTRIBUTE TO THE PROJECT; THOUGH MODEST AGAINST THE SCOPE OF THE JAPANESE CONTRIBUTION, IT REPRESENTS A SUBSTANTIAL PORTION OF TUVALU'S GNP.

ALTHOUGH THIS PROJECT IS YET TO BE SUBMITTED TO THE JAPANESE CABINET FOR ITS FINAL CONSIDERATION, I BELIEVE THAT THE THOROUGHNESS AND DETAILED EXTENT OF THE DRAFT PROJECT DOCUMENT WITH ITS ILLUSTRATIONS AND THE BEAUTIFUL ARCHITECTURAL PICTURE MODELS WHICH YOUR TEAM HAS PUT TOGETHER, WILL GO A LONG WAY IN SOLICITING SUPPORT FOR THE FINAL APPROVAL OF THE PROJECT. I THEREFORE WISH TO CONGRATULATE YOU AND EXPRESS MY APPRECIATION OF THE HARD WORK YOU HAVE DONE IN PUTTING TOGETHER THE MASSIVE DRAFT REPORT DOCUMENT. IN THAT CONNECTION I ALSO WISH TO ACKNOWLEDGE THE CONTRIBUTION MADE BY THE PACIFIC CONSULTANTS INTERNATIONAL AND IN PARTICULAR I WISH TO THANK YOUR GOODSELF MR HATANO FOR PUTTING TOGETHER THE DESIGN FOR THE NEW EDUCATION HEADQUARTER BUILDING AT YOUR OWN TIME AND EXPENSES.

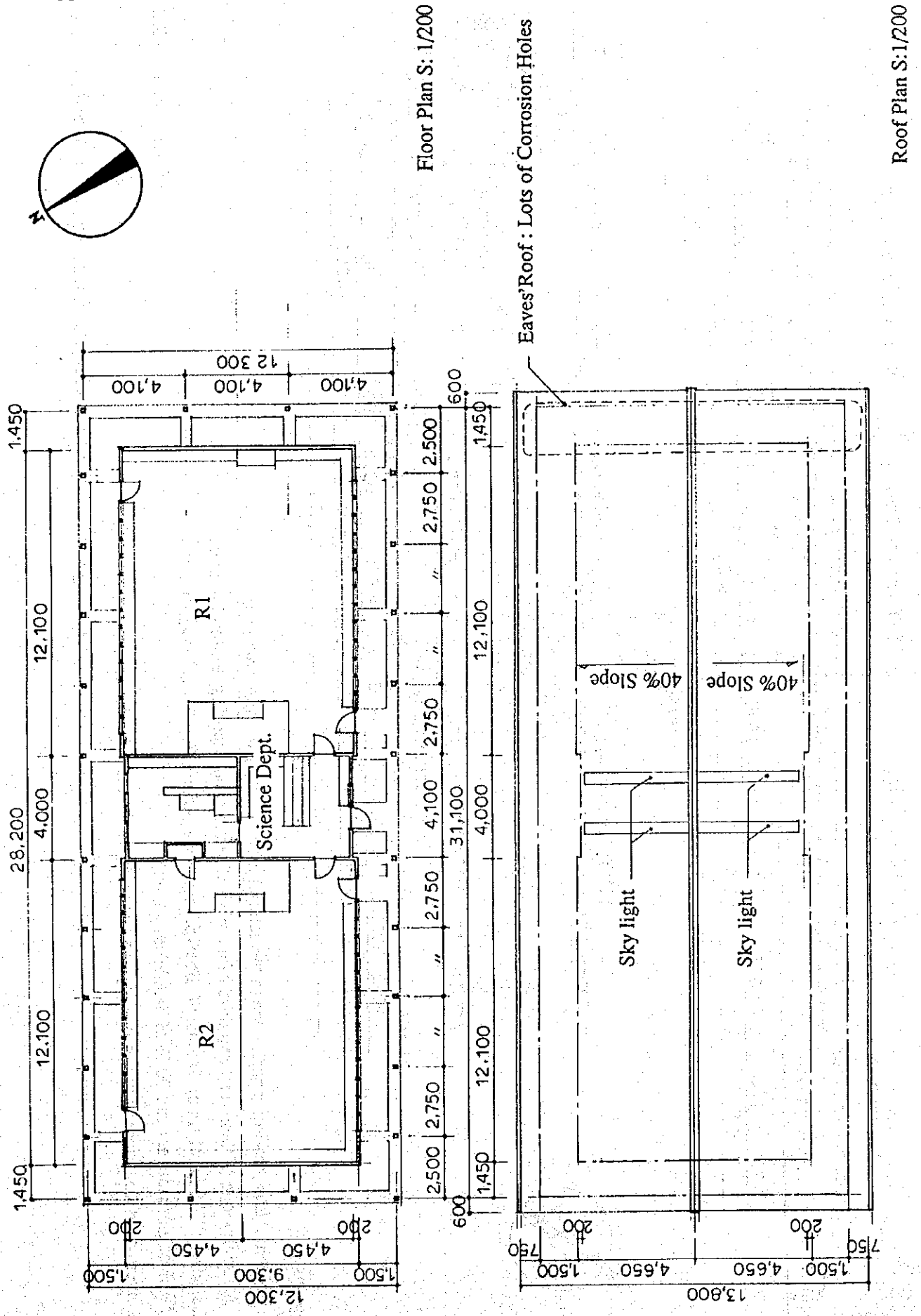
IN CONCLUSION, I WISH TO ASSURE YOU GENTLEMEN, AND THROUGH YOU, THE GOVERNMENT OF JAPAN, THAT MY GOVERNMENT WILL DO ITS UTMOST TO UPHOLD OUR COMMITTMENTS AND OBLIGATIONS TO THE PROJECT AS EXPRESSED IN THE MINUTES SIGNED THIS MORNING.

I REALISE THAT MR NISHIMOTO AND MR NISHIKI WILL BE LEAVING TUVALU THIS AFTERNOON; AND MR HATANO AND MR DOI WILL FOLLOW THEM THIS FRIDAY. I HOPE THAT YOUR SHORT STAY IN TUVALU HAS BEEN ENJOYABLE AND WOULD LIKE TO WISH YOU ALL A SAFE JOURNEY HOME. WE LOOK FORWARD TO MEETING YOU AGAIN IN THE FUTURE IN THE COURSE OF THE ANTICIPATED IMPLEMENTATION OF THE MOTUFOUA PROJECT.

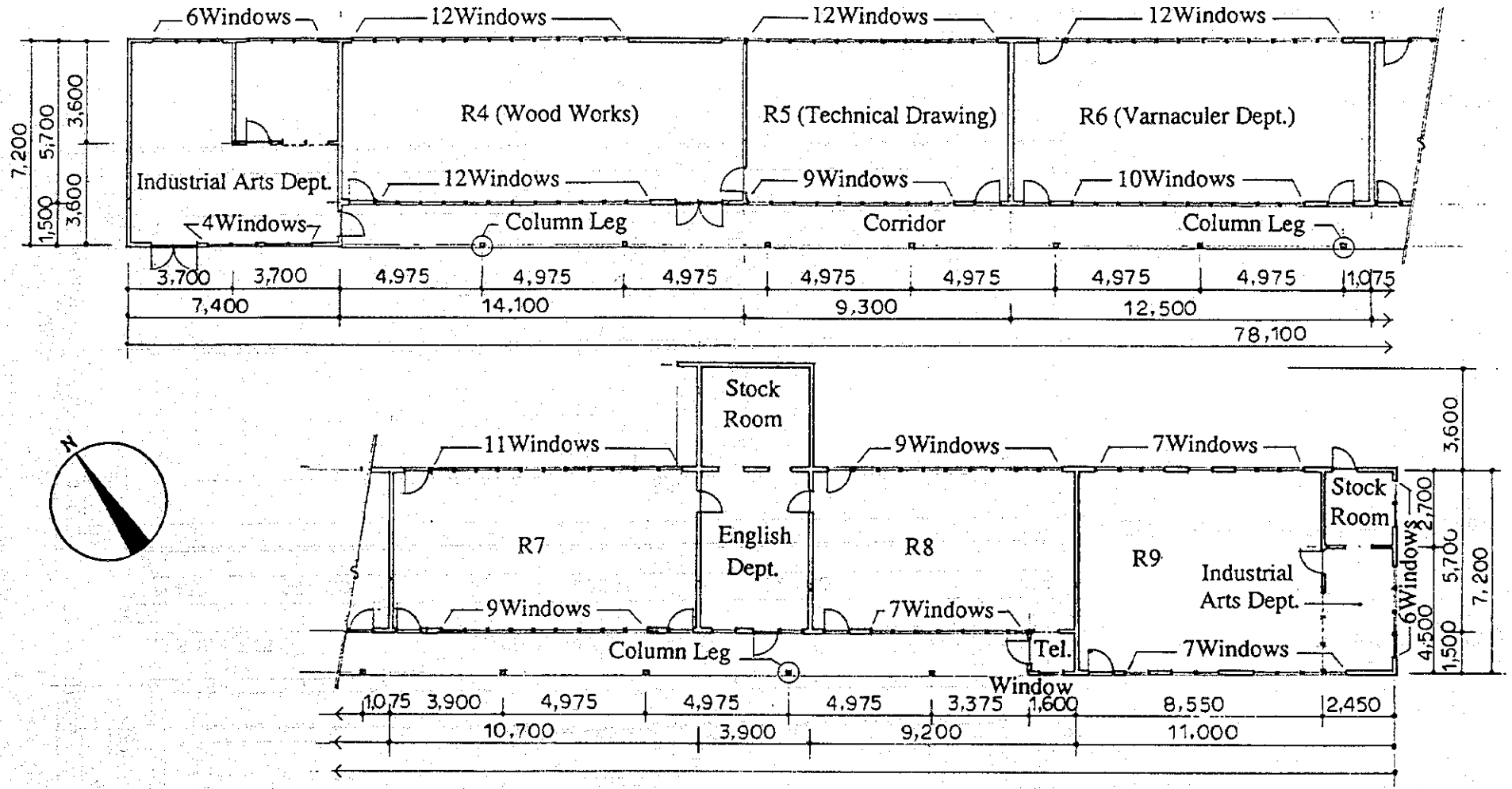
FAKAFETAI LASI.

TUVALU MO TE ATUA.

Appendix-7 RESTORATION PLAN



Existing Condition of the Science (R1,Science Dept. & R2) Bldg.

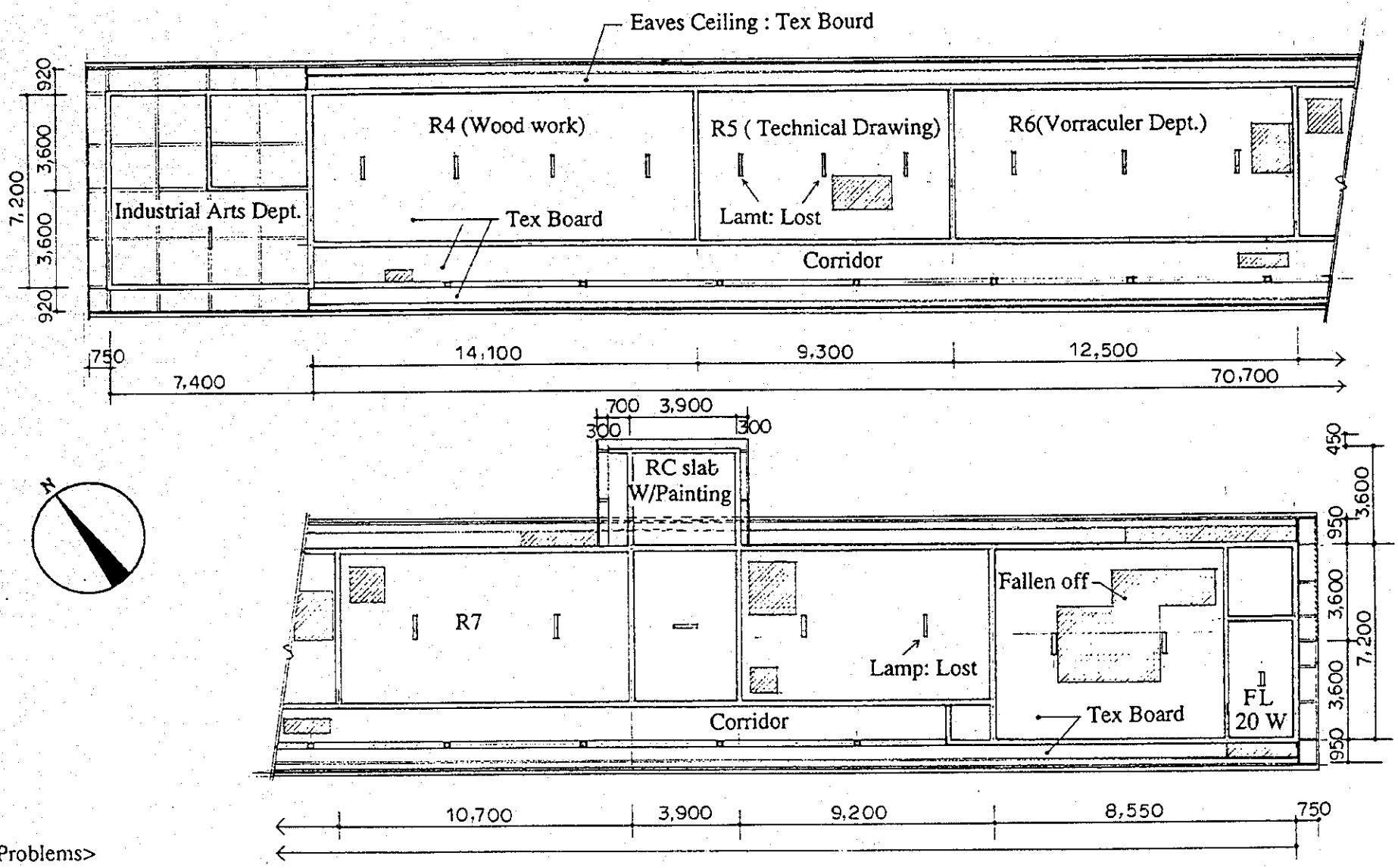


<Problems>

1. Column : Lost bearing capacity due to the deterioration at the leg of three columns.
   Especially one of them, lost two third of its original section and exposing reinforcing Steel.
2. Jalousie : 136 numbers of Jalousie (Size:760mmW x 1,500mm H, Glass louvers 8W).
   50 % of glass louvers and 30 % of metal fitting are lost.
3. Interior and Exterior Painting : Peeling and Cracking due to the delerioration.

Floor Plan S : 1/200

Existing Condition of the General Class Room (R4 ~R9) Bldg. (1)



<Problems>

4. Roof : Lots of small holes due to lost of nails
5. Ceiling & Plancier : 9mm Thick Tex Board / ▨
   Some of the ceiling are lost and some are loose and broken.
6. Lighting : 18 numbers of 40W and 1 number of 20 W Flourescent Lighting Fixture(▭).
   All the fixtures are rusted due to inlury from salt.
   4 numbers of 40W Lamps and 1 number of Lighting fixture are lost.

Reflected Ceiling Plan S : 1/200

Existing Condition of the General Class Room (R4～R9)Bilg.(2)

Appendix-8 EQUIPMENT LISTS

REQUESTED EQUIPMENT

Code	NO.	Equipment	A	B	C	Q'ty	Remarks
MAT		(MATHEMATICS)					
	1	Compass Set for Blackboard	3			3	
	2	Protractor for Blackboard	3			3	
	3	Square Set for Blackboard	3			3	
	4	Models Set, 5 kinds	8	8		16	
	5	Volume Cubes	2			2	
	6	Solids	15	15		30	
	7	Dice & Colored Balls	15	15		30	
	8	Calculator	100			100	
	9	Over-head Projector	1			1	
	10	File Cabinet	2			2	
	11	Cabinet	2			2	
ENG		(ENGLISH)					
	1	Video Soft Tape	1			1	
	2	Tape Recorder	2			2	
	3	Video Recorder	1			1	
	4	Video Camera Set	1			1	
	5	File Cabinet	3			3	
	6	Cabinet	2			2	
SSC		(SOCIAL SCIENCE)					
	1	World Globe	1			1	
	2	Wall Map	1			1	
	3	Reference Books	1			1	
	4	History Text Book of Japan	1			1	
	5	Model of Japan	1			1	
	6	Map Drawing Table		1		1	
	7	Video Tapes	1			1	
	8	Over-head Projector	1			1	
	9	35 mm Film Projector	1			1	
	10	Radio Tape Recorder	1			1	
	11	Video Tape Recorder	1			1	
	12	Video Camera Set	1			1	
	13	Portable Personal Computer	1			1	
	14	Cabinet for Wall Map	1			1	
	15	File Cabinet	2			2	
	16	Cabinet	1			1	
SCI		(SCIENCE)					
	1	Periodic Table	4	6		10	
	2	Molecular Model for Teacher	1			1	
	3	Molecular Model for Student	15	15		30	
	4	Iron Stand	7			7	
	5	Test Tube Stand, 12 test tubes	7			7	
	6	Funnel Stand	7			7	
	7	Burette Stand	7			7	
	8	Bunsen Burners	7	13		20	
	9	Alcohol Lamp	7			7	
	10	Combustion Boats	16	4		20	
	11	Combustion Spoon	16	4		20	
	12	Platinum Needle	7			7	
	13	Deflagrating Spoon	50	50		100	
	14	Chromatography Jar	1			1	
	15	Electrolysis Apparatus	7			7	
	16	Water Distillation Apparatus	1			1	
	17	Waste Water Treatment Apparatus	1			1	
	18	Lever Experimental Instrument	6	1		7	
	19	Inclined Plane	7			7	
	20	Wheel and Axle	7			7	
	21	Spring Scale	21	9		30	

REQUESTED EQUIPMENT

Code	NO.	Equipment	A	B	C	Q'ty	Remarks
SCI	22	Compression Spring Balances	16	4		20	
	23	Pair of Dynamics Carts	7			7	
	24	Record Timer	7			7	
	25	Collision Apparatus	7			7	
	26	Collision Ball	1			1	
	27	Falling Body Accelerate Bar	1			1	
	28	Drop Tube	1			1	
	29	Potential Energy of Pendulum	1			1	
	30	Force Measuring	7			7	
	31	Heat Expansion Ball Handling	7			7	
	32	Vacuum Cylinder with Bell	7			7	
	33	Hand-operated Vacuum Pump	2			2	
	34	Magdeburg Hemisphere	1			1	
	35	Water Pressure Experimental Apparatus	1			1	
	36	Ripple Tank	1			1	
	37	Wave-Motion Demonstrator	1			1	
	38	Laser Beam Apparatus	1			1	
	39	Optical Refraction Apparatus	7			7	
	40	Optical Bench	7			7	
	41	Solar Battery Demonstrator	7			7	
	42	Lux Meter	1			1	
	43	Sympathetic Tuning Forks	7			7	
	44	Standard Tuning Forks	1			1	
	45	Sonometer	7			7	
	46	Magnetic Needle	32	18		50	
	47	Friction Rod	7			7	
	48	Leaf Electroscope	7			7	
	49	Fleming's Law Demonstrator	7			7	
	50	One Reel Motor	1			1	
	51	Hand Generator	7			7	
	52	Generator Demonstrator	7			7	
	53	Ohm's Law Demonstrator	7			7	
	54	Resistance Box	7			7	
	55	Primary and Secondary Coils	1			1	
	56	Van De Graff Electrostatic Generator	1			1	
	57	Induction Coils	1			1	
	58	Human Anatomical Model	1			1	
	59	Model of Pregnant Woman	1			1	
	60	Photo Synthesis Experiment Apparatus	7			7	
	61	Cylinder Microtome	1			1	
	62	Microscope	16	14		30	
	63	Dissecting Kits	23	37		60	
	64	Aquarium	1			1	
	65	Reel Specimen Collection Set	1			1	
	66	Insect Net	1			1	
	67	Celestial Globe	1			1	
	68	Sun Screen	1			1	
	69	Anemoscope/Anemometer	1			1	
	70	Rain Gauge	1			1	
	71	Hygrometer	1			1	
	72	Barometer	1			1	
	73	Regulated DC Power Supply	6	1		7	
	74	Weight Measure	2	2		4	
	75	Thermometer Set	30	20		50	
	76	Stop Watch	13	17		30	
	77	Tape Measure	2			2	
	78	Moving Coil Ammeter	8	12		20	
	79	Copper Voltmeter	7	3		10	

REQUESTED EQUIPMENT

Code	NO.	Equipment	A	B	C	Q'ty	Remarks
SCI	80	Moving Coil Galvanometer	31	19		50	
	81	Digital Voltmeter	1	5		6	
	82	Calculators	31	69		100	
	83	Video Recorder Set	1			1	
	84	Video Soft Set for Science	1			1	
	85	Glass Ware	1			1	
	86	Small Items for Experiment of Science	1			1	
	87	Consumable for Experiment of Science	1			1	
	88	Parts Case	5	5		10	
	89	Filing Cabinet	3	2		5	
	90	Cabinet	2			2	
	91	Trolley	4			4	
	92	Reagent Storage Cabinet	2			2	
	93	Laboratory Table (Chemistry) for Student	6			6	
	94	Laboratory Table (Chemistry) for Teacher	1			1	
	95	Laboratory Table (Physics) for Student	6			6	
	96	Laboratory Table (Physics) for Teacher	1			1	
TD		(DRAWING)					
	1	Drafting Machine (Track Type)	1	1		2	
	2	Drawing Board	100			100	
	3	Drawing Tool Set	100			100	
	4	Sharpener		2		2	
	5	Video Cassette Tapes			1	1	
	6	Consumable for Drawing	1			1	
	7	File Cabinet	2			2	
	8	Cabinet	1			1	
WW		(TECHNIC)					
	1	Thicknesser	1			1	
	2	Electric Circular Saw	1			1	
	3	Lathe (Wood)		1		1	
	4	Band Saw	1			1	
	5	Radial Arm Saw		1		1	
	6	Belt Grinder for Wood	2			2	
	7	Orbital Belt Grinder for Wood	2			2	
	8	Drill Press	1			1	
	9	Router Plane	1			1	
	10	Chain Saw		2		2	
	11	Hand Drill	15			15	
	12	Engineering Vices	10	20		30	
	13	Woodwork Vice	10	20		30	
	14	Cramps	10	20		30	
	15	Hack Saw	10	20		30	
	16	Saw Set	3	3		6	
	17	Planes	30			30	
	18	Wood Lathe Chisel Set	4			4	
	19	Chisel Set	30	30	30	90	
	20	Folding Rules	30	30		60	
	21	Measuring Tape Set	2			2	
	22	Marking Gauge Set	15	15	30	60	
	23	Claw Hammer Set	30			30	
	24	Tins Snips Set	15	15		30	
	25	Ball Point Hammer	15			15	
	26	Tinsman Needles	15			15	
	27	Bending Equipment	15			15	
	28	Iron Base	6			6	
	29	Oil Stone	12			12	
	30	Triangular Files, 100 mm	30			30	
	31	Arc Welding Machine	1			1	

REQUESTED EQUIPMENT

Code	NO.	Equipment	A	B	C	Q'ty	Remarks
WW	32	Gas Welding Machine		1		1	
	33	Spot Welding Machine		1		1	
	34	Blow Lamps	6			6	
	35	Rivet Gun	6			6	
	36	Tap & Die Set	2			2	
	37	Long Nose Pliers	12			12	
	38	Combination Pliers	12			12	
	39	Spanner/Sockets Set	1			1	
	40	Spanner Set	6			6	
	41	Nipper	15			15	
	42	Screw Driver Set	15			15	
	43	Multi-tester	15			15	
	44	Soldering Irons	15			15	
	45	Stillson Wrenches, 300 mm	4			4	
	46	Electric Stove		2		2	
	47	Air Compressor	1			1	
	48	Vacuum Cleaner	1			1	
	49	Consumable for Industrial-arts	1			1	
	50	Tool Shelf	4			4	
	51	Tool Wagon	10			10	
	52	Tool Case	20			20	
	53	File Cabinet	5			5	
	54	Woodworking Bench	10			10	
	55	Working Bench	10			10	
HEC		(HOME ECONOMICS)					
	1	Electric Cooker	3			3	
	2	Gas Cooker	3			3	
	3	Kerosene Stove	1			1	
	4	Microwave Oven	1	1		2	
	5	Water Heater		1		1	
	6	Refrigerator		1		1	
	7	Reach-in Freezer	1			1	
	8	Blender	2			2	
	9	Steamer	3	1		4	
	10	Kitchen Scale	7			7	
	11	Measure Cup/Spoon Set	7			7	
	12	Non Stick Pots	7	5		12	
	13	Non Stick Frying Pans	7	5		12	
	14	Wok	2			2	
	15	Dinner Plates	6			6	
	16	Knife Set	7			7	
	17	Kitchen Utensils	7			7	
	18	Sink	7			7	
	19	Dish Cabinet	2			2	
	20	Cooking Table	7			7	
	21	Sewing Machine, Electric	1	4		5	
	22	Sewing Machine, Pedal	5			5	
	23	Hand Sewing Machine	3	2		5	
	24	Overlock Machines	2	1		3	
	25	Pinking Shears	10	5	15	30	
	26	Cutting Shears	10	5	15	30	
	27	Cords for Sewing Machine, Pedal	1			1	
	28	Sewing Boxes	18			18	
	29	Sewing Trays	18			18	
	30	Sewing Utensils	1			1	
	31	Tape Measure	15	15		30	
	32	Rulers (1 m)	15	15		30	
	33	Mannequin	1	1		2	

REQUESTED EQUIPMENT

Code	NO.	Equipment	A	B	C	Q'ty	Remarks
HEC	34	Full Length Mirror	1			1	
	35	Sewing Table	7			7	
	36	Washing Machine	1			1	
	37	Washing Utensils	1			1	
	38	Steam Iron	4	3		7	
	39	Ironing Board	4	3		7	
	40	Filing Cabinet	2			2	
	41	Cabinet	1			1	
PED		(PHYSICAL EDUCATION)					
	1	Succor Goods Set	1			1	
	2	Volleyball Goods Set	1			1	
	3	Basket Ball	1			1	
	4	Net Ball		1		1	
	5	Table Tennis Goods Set	2	1		3	
	6	Tennis Goods Set	2	2		4	
	7	Rugby Balls	1			1	
	8	Discus	1			1	
	9	Shot-put	1			1	
	10	High Jump Stand	1	3		4	
	11	Badminton Goods Set	2	4		6	
	12	Base Ball Set	1	5		6	
	13	Roll Measure, 100m	4			4	
	14	Softball Goods Set		1		1	
	15	Gymnasium Goods Set	1			1	
	16	Track Sports Goods Set	1			1	
GDN		(GARDENING)					
	1	One Wheel Truck	3			3	
	2	Hand Cart		1		1	
	3	Chain Saw		2		2	
	4	Cultivator		1		1	
	5	Shovels	6			6	
	6	Scoop	9			9	
	7	Rake	3			3	
	8	Watering Can	4			4	
	9	Water Hose, 30 m	1			1	
	10	Buckets	4			4	
	11	Water Tank		1		1	
	12	Pole Spade	6			6	
	13	Flat Spade	6			6	
	14	Forks	6			6	
	15	Hand Forks	12			12	
	16	Bush Knives	12			12	
	17	Axes Set	2			2	
	18	Seeds	10			10	
	19	Garden Shed	1			1	
MSC		(MUSIC)					
	1	Leads	5			5	
	2	Bass Guitar, Electric	1			1	
	3	Lead Guitar, Electric	1			1	
	4	Rock Guitar, Electric	1			1	
	5	Electric Ukulele	1			1	
	6	Drum		1		1	
	7	Keyboard	1			1	
	8	Microphone	4			4	
	9	Microphone Stand	4			4	
	10	Speakers	4			4	
	11	FM Microphone	4			4	
	12	Mixer	1			1	

REQUESTED EQUIPMENT

Code	NO.	Equipment	A	B	C	Q'ty	Remarks
MSC	13	Tape Recorder	1			1	
FNT		(FURNITURE)					
	1	Black Board	27			27	
	2	White Board	9			9	
	3	Desk & Chair for Student	300			300	
	4	Desk & Chair for Teacher	14			14	
LBY		(LIBRARY)					
	1	Books	1			1	
	2	Card Cabinet	5			5	
	3	Book Shelves	5			5	
	4	Vacuum Cleaner	1			1	
ADM		(ADMINISTRATION & GENERAL EQUIPMENT)					
	1	Copy Machine	1			1	
	2	Duplicating Machine	1			1	
	3	Typewriters (Electric)		1		1	
	4	Typewriters (Manual)	1			1	
	5	Personal Computer Set	1			1	
	6	Portable Personal Computer Set	1			1	
	7	Paper Cutter	2			2	
	8	Binding Machine	1			1	
	9	Announcing System	1			1	
	10	PA System	1			1	
	11	Loudspeaker	4			4	
	12	Transceiver	6			6	
	13	Cassette Tape Recorder	4			4	
	14	Overhead Projector	2			2	
	15	35 mm Slide Projector		2		2	
	16	Projection Screen (Portable)	6			6	
	17	Video Set	2			2	
	18	Video Camera Set	1			1	
	19	35 mm Camera Set	2			2	
	20	Dark Room Equipment	1			1	
	21	Bicycles	4			4	
	22	Motorcycle	1			1	
	23	Mini-bus	1			1	
	24	Tractor with Trailer	1			1	
	25	Lawn Mower	1	1	4	6	
	26	Weed Trimmers	1	1		2	
	27	Water Cooler		1		1	
	28	Fire Extinguisher	4			4	
	29	Vacuum Cleaner	1			1	
	30	File Cabinet	4			4	
	31	Cabinet	5			5	
D		(FIRST AID)					
	1	Autoclave	1			1	
	2	Electric Kettle	1			1	
	3	Drums	1			1	
	4	Trays	1			1	
	5	Gas Stove	1			1	
	6	Refrigerator	1			1	
	7	Height Measure	1			1	
	8	Blood Pressure Machine	1			1	
	9	Weight Measure	1			1	
	10	Sight Measure	1			1	
	11	Tooth Extraction Set	1			1	
	12	First Aid set	1			1	
	13	Syringes, 2 ml	1			1	
	14	Needles	1			1	

REQUESTED EQUIPMENT

Code	NO.	Equipment	A	B	C	Q'ty	Remarks
FAD	15	Bed	2			2	
	16	Desk & Chair	1			1	
KTN		(DINING ROOM)					
	1	Stove	2			2	
	2	Rice Cooker	1			1	
	3	Electric Mixer	2			2	
	4	Electric Mincer	1			1	
	5	Electric Slicer	1			1	
	6	Balance Scale	1			1	
	7	Can Opener, Large	2			2	
	8	Knife Set	1			1	
	9	Kitchen Utensils	1			1	
	10	Stainless Steel Dish Cabinet	2			2	
	11	Cooking Table	4			4	
	12	Sink	2			2	
DNG		(DINING HALL)					
	1	Meal Dish Set	600			600	
	2	Dining Table for 6 person	600			600	
	3	Dining Chair	600			600	

Appendix-9 MAINTENANCE AND OPERATION COSTS (ESTIMATED)

TUVALU GOVERNMENT

EDUCATION DEPARTMENT

Ministry of Health, Sports and
Human Resource Development.

Private Mail Bag, Vaiaku, Funafuti Island, Tuvalu, South Pacific.

phone 688 20405 fax 688 20832.

Mr H.Hatano,
Project Manager,
Motufoua Upgrading & Expansion Project.

RE : INFORMATION GATHERING QUESTIONAIRE

I am happy to submit the following responses to the apropriate sections of the questionaire raised with us. Hoping that they will help you complete your report for the Government of Japan.

PROJECTED RECURRENT COST IMPLICATIONS OF SECONDARY EDUCATION THAT THE GOVERNMENT OF TUVALU WOULD MEET (In thousand US Dollars) UP TO 1998.

item	94	95	96	97	98
Permanent Staff	$149.4	$150	$155	$155	$158
Unestablished Staff	$42.8	$44.9	$51.9	$52	$52
Travel/Communcatns	$10.5	$20.	$25	$25	$ 2 5
Maintenance/operations.					
Buildings	$36	$36	$36	$36	$37
Equipment	$0.25	$0.27	$0.3	$0.4	$0.4
Vehicle	$0.32	$0.4	$0.5	$0.5	$0.5
Goods & services					
Vehcle Pet/Oil	$1.2	$2.4	$2.5	$2.7	$2.7
Volunteers Pay	$22	$22	$22	$22	$22
Vol.utilities	$3.2	$3.2	$3.2	$3.2	$3.2
Gas fuel	$4.7	$4.7	$0.5	$0.5	$0.5
Food Ration	$178.8	$357.5	$357.5	$357.5	$357.5
Sch. Supplies	$46.3	$92.6	$92.6	$92.6	$92.6
Electricity	$9.4	$18.8	$39.1	$39.1	$39.1
Cleaning stuff	$2.4	$3	$4.8	$4.8	$4.8
Exam Fees	$6.3	$12.6	$12.6	$12.6	$13.3
Office Expenses	$1.2	$1.3	$1 .4	$1.4	$1.5
Visitors Vote	$0.8	$1	$1	$1	$1

SECONDARY EDUCATION	1993 Actual	1994 Approved	1994 Revised	1995 Estimate
Established Staff				
209 - 231A - Civil Salaries	136,188.69	145,535	151,023	177,531
B - TPF	7,508.78	7,577	7,688	9,176
C - Allowances	5,709.49	6,000	3,500	6,000
	149,405.96			
Unestablished Staff				
209 - 232A - Relieving Teachers (New item)	-	-	-	6,520
209 - 232B - Wages & O/T - C/Workers	39,538	37,876	36,000	38,795
Travel & Communications				
209 - 233A - Travel & Subsistence	23,686	10,500	15,000	61,457
Maintenance Operations				
209 - 234A - Equipment Maintenance	-	300	300	1,000
B - Building Maintenance	22,396.48	45,000	45,000	70,000
C - Vehicle Maintenance	3,292.16	4,000	3,000	6,000
	25,688.64			
Purchase of Goods & Services				
209 - 235A - Vehicle Petrol & Oil	1,662.00	1,500	1,500	9,360
B - Volunteers Allowances	-	27,216	13,600	27,216
C - Volunteers Utilities	182.86	4,000	2,000	6,000
D - Cleaning supplies	788.59	3,000	3,000	20,337
E - Gas Fuel for Cookers	3,119.01	6,000	6,000	9,495
F - Ration	165,598.39	228,780	228,780	497,541
G - School Supplies	26,984.04	59,148	59,148	264,973
H - Motufoua Electricity	7,498.05	12,000	9,850	20,000
I - Exam fees	6,215.85	8,000	7,500	38,016
J - Office Expenses	247.24	1,500	1,500	2,661
K - Visitors Entertainment	-	1,000	1,000	2,000
	212,296.03			
	450,618.63			

Appendix-11 TEACHER'S TRAINING PLAN

SUMMARY OF ON-GOING TRAINING FOR SECONDARY BY SUBJECT

Subject	no of stdnts	due to return	remarks
ENGLISH			
Form 6	1	2000	
Form 7	2	99	
Dip Edu	2	95	TESL for Fs1/2/3/4.
BA1	1	97	
ARTS UNSPECIFIED			
Form 7	1	99	
ECONOMICS			
Form 5	1	2001	
ACCOUNTING			
Form 7	1	99	
SCIENCE			
Form7/Foundn	3	99	
Dip Ed 1/2	1/2	96	
BSc	2	98	
MATHEMATICS			
Form 6	1	2000	
Dip Ed 1	1	1996	
GEOGRAPHY			
Form 7	1	1999	
BA 1	1	1998	
HISTORY/ POLITICS			
Form 7	1	1999	
HOME ECONOMICS			
Form 7	2	1999	
BSc1	1	1998	
COMPUTING/MATHEMATICS			
Dip2	1	1997 ?	
EDUCATIONAL ADMINISTRATION			
BA 2	1	MID 95	- for Ed HQ
MEd2	1	1995	- Principal of Molafou
TOTAL ON TRAINING	27		

EDUCATION DEPARTMENT'S ON-GOING TRAINING OVERSEAS

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Pre-Service

PRIMARY TEACHING

Name	Status	Started	Finish	Start	Remarks
LAUTOKA TEACHERS' COLLEGE					
Mr Pati Eka	Year 2	93	94	95	OK
Ms Meleata Semaia	-	-	-	-	-
Ms Tonia Lui	-	-	-	-	-
Ms Leoleana Sekone	-	-	-	-	-
Mr Solomona Viliam	-	-	-	-	-
Ms Epenesa Alovaka	Year 1	94	95	96	OK
Mr Iupeli Taufilo	-	-	-	-	-
Mr Puanita Taomia	-	-	-	-	-
Ms Violet Honolulu	-	-	-	-	-
Mr Taualo Penivao	-	-	-	-	-

SECONDARY TEACHING

FULTON COLLEGE					
Mr Simon Anderson	BEd EngF6	93	97	98	plus 1yr Ed
NASINU SECONDARY SCHOOL					
Mr Leupena Paueli	BA ArtsF7	92	97	98	plus 1yr Ed
Mr Semilota Finauga	-	-	-	-	-
DUDLEY METHODIST HIGH SCHOOL					
Ms Setapu Telogo	BSc F7	-	98	99	plus 1yr Ed
QUEEN VICTORIA SCHOOL					
Mr Davis Tagata	BAEconF5	94	99	200	plus 1yr Ed
RATU KADAVULEVU SCHOOL					
Mr Isaako Kine	BScMthsF6	94	98	99	plus 1yrEd
NEW PLYMOUTH GIRLS HIGH SCHOOL NZ					
Ms Makelita Nofo	DEdHEcF7	93	97	98	plus 1yrEd
Ms Vanessa Keli	-	-	-	-	-

CATHEDERAL COLLEGE AUST

Mr Tufoua Panapa	BEdGeoF7	93	97	98	plus 1yrEd
Ms Asogali Favae	BEdHPolF7	-	-	-	-
Ms Kapoisi Moeava	BA/AcEcF7	-	-	-	-
Mr Taukiei Kitala	BATESL F7	-	-	-	

UNIVERSITY OF THE SOUTH PACIFIC

Ms Kilisimasi S	BScFound	92	97	98	plus 1yrEd
Mr Avafoa Irata	BEdEngF	92	97	98	plus 1yrEd
Ms Puaita Fouvaka	BH/Ec1	94	96	97	plus 1yrEd
Mr Alan Resture	BAGeo1	94	96	97	plus 1yr Ed
Mr Polenia Ulusese	BSc1	93	96	97	?????

OTAGO UNIVERSITY NZ

~~Ms Lisa Akelisi~~	~~BSc3~~	~~90~~	~~94~~	~~95~~	~~?????~~

VICTORIA UNIVERSITY NZ

Mr Tauala Katea	BSc1	92	96	97	plus 1yrEd – Mechan Engineer

UNIVERSITY COLLEGE OF BARRALAT AUST

Mr Opetaia Simati	DipComptg2	92	95	96	plus 1yr Ed

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In - Service

FOR PRIMARY TEACHING

VICTORIA UNIVERSITY NZ

Mr Leti Pekesala	DipTESL	94	94	95	OK
Ms Talo Ioapo	DipTESL	94	94	95	OK

FOR SECONDARY TEACHING

UNIVERSITY OF THE SOUTH PACIFIC

Ms Siniva Lauti	BAEngl	94	96	97	OK

JAMES COOK UNIVERSITY AUST

Mr Namoliki Sualiki	MEd 2	93	94	95	OK

FOR TERTIARY/VOCATIONAL (TMS)

Mr Taulaga Kaitu to continue his engineering studies in Aust.
Mr Ati Melitiana to continue his engineering studies in Aust.
Mr Polau Kofe to continue his maritime studies.

FOR THE EDUCATION HEADQUARTER

UNIVERSITY OF THE SOUTH PACIFIC

Mr Kasi Ielemia	BAEd 2	93	95	mid95	OK

****

Only Request and get approval

B. MOTUFOUA SECONDARY POST-GRADUATE TRAINING REQUIREMENTS

A. MASTERS

1. a. Type: Master of Education in English Studies

b. Where: Leeds University, UK orVictoria University, NZ or James Cook University, Aust.

c. Duration: One to two years.

d. Placement: Motufoua.

e. Candidate: Mrs Sagaa Malua or HOD English.

2. a. Type: Master of Education in Technology.

b. Where: University Technology of Queensland

c. Duration: one to two years.

d. Placement: Motufoua.

e. Candidate: Mr Galiga Maluofenua or HOD Woodwork/TD.

3. a. Type: Master of Home Economics or Nutrition.

b: Where: Queensland's University of Technology.

c. Duration: One to two years.

d. Placement: Motufoua.

e. Candidate: Paimeta Talaapa or HOD Home Economics.

4. a. Type: Master of History/Politics

b. Where: USP or ANU Aust.

c. Duration: One to two years.

d. Placement: Head of History at Motufoua.

e. Candidate: Alamai Sioni or Most Senior History teacher at Motufoua.

JUSTIFICATIONS FOR THE ABOVE REQUIREMENTS.

Next year Motufoua will start a Form 6. The transition requires not only teachers who are trained and committed bu also those who are are well qualified in their subject areas to hold important positions of Heads of Departments (HODs). This upgrading will address this problem.

Another related issue is that of job satisfaction. The training provided will help keep our teachers back, secure in the feeling that they already have the necessary qualifications to hold on to their jobs with confidence and could provide the servises required of them with dignity. This addresses their need to move out of the profession or country to get opportunities for further training. We should be able [illegible] teachers back once this fear is addressed.

C. PRIMARY TEACHERS IN-SERVICE REQUIREMENTS.

1.
a. Type: Two Diploma TESL.
b. Where: Victoria University, NZ.
c. Duration: One year.
d. Placement: Head of Primary School English
e. Candidates: OPEN
f. Justification: This is an on-going need to provide enough, at least two for each of the primary schools in Tuvalu.

2.
a. Type: Two Diploma in Special Education
b. Where: Auckland's Advance College of Education, NZ.
c. Duration: One year.
d. Placement: At Funafuti Primary and outer islands.
e. Candidate: OPEN to most capable primary teachers.
f. Justification. The PILLS test reveals that a lot of our students in Primary as well as Motufoua are illiterate and have special needs. We should make a start to remedy it now.

3.
a. Type: Two Diploma in Design and Graphics
b. Where: Auckland's Advance College of Education, NZ.
c. Duration: One year.
d. Placement: Primary School's Upper Forms.
e. Candidate: Two ~~One~~ senior Technical Drawing teacher at Primary level.
f. Justification: To fulfill the EFL requirement for T/D and woodwork to be taught at Forms 1 and 2 properly.

POST-GRADUATES

A. HEADQUARTER'S TRAINING REQUIREMENTS FOR LAST YEAR SUBMISSION

1. a. Type: One Master of Philosophy in Educational Planning and Management - by Research or Fulltime.

b. Where: University of Newcastle, or James Cook University Aust.

c. Duration: One to Two years.

d. Placement: Education HQ.

e. Candidate: Director of Education.

f. Justification: The Director of Education sits on the most important post in the Education Department which is largely responsible for advice in in-country educational policies affecting the future Human Resources of of the country. A Masters degree is the minimum qualification for this post in the region. If we are serious about our education system this is where we should start.

2. a. Type: One Master in Curriculum Studies.

b. Where : James Cook University.

c. Duration: Two years.

d. Placement: Head of Curriculum Unit.

e. Candidate: David Manuella/ Curriculum Officer.

f. Justification: This is a specialised position requiring an academic depth at least to a Master's degree to be very effective. He will be adviser to the DOE and HODs at schools on relevant curriculum inputs to current subjects taught at all levels.

Appendix-12 LETTER FROM PWD

GOVERNMENT OF TUVALU

Ministry of Works Labour and Communications

PUBLIC WORKS DEPARTMENT

Phone (688) 203000
Fax (688) 20301

TO: **JAPANESE BASIC DESIGN TEAM.**

ATTN: Mr T . Hatano
Project Manager of the Consultants
and Architectual Planning
Pacific Consultants International

Your Ref:

Private Mail Bag
Vaiaku Funafuti
Tuvalu

FROM: T. Apisai, Ag Director of Works

Our Ref:

DATE: 30/09/94

re : **MOTUFOUA SECONDARY SCHOOL.**

The following represent the cost analysis of past aid project here in Tuvalu as requested by your team and the estimated costs of works to be carried by our Tuvalu side as agreed to in the project documents:

COST ANALYSIS

	COST*	AREA (m^3)	YEAR	CONTRACTOR	DONOR	
1. USP Center	195,250.00	423	1988	P.K Construction	UK	461/m²
2. Resource Centre (Motufoua)	164,610.23	412	1990	P.K Construction	UK	399/m²
3. Primary School (Funafuti)	169,137.09	453	1992	P.K Construction	France	373/m²

* Value in Australian Dollars*

Note : note that these contractors are local and their labour charges and other related expenses are very low compared to overseas contractors

	ESTIMATED COST
1. Ground preparation Dismantling of existing structure and grond preparation	$3,500
2. External Work gardening, plantation, external fences, internal roads, external lighting	$9,000
3. Restoration and upgrading Work Maneapa and tennis, volleyball basket ball courts	$65,000
Total	~~$57,500~~ 77,500

I hope the above information will become useful to your team. Should you require more information, please do not hesitate to contact my office.

Tapaeko Apisai;
Director of Works (Ag)

cc: Secretary for Health, Sports, and Human Resources Development
Attn: Director of Education

Appendix-13 LIST OF REFERENCE MATERIALS

Title / Items	Publishing Company / Sources	Year
1. Physical Conditions		
1) Maps and photos		
·Map of Funafuti Atoll S;1/50,000		
·Map of Vaitupu Island S;1/10,000		
·Cadastral Map of Tuvalu S;1/2,000		
.Topographical Plan of Motufoua Secondary School		
.Aerial Photos of Vaitupu Island		
2) Geography		
·Mapping Survey and Baseline Study of Coastal Erosion on the Islands of Tuvalu	Douglas M. Rearic, Sopac Technical Secretariat	
·Island Report No.5 Tuvalu Land Resources Survey- Vaitupu	Department of Geography, University of Auckland	1992
3) Climate		
·Data of Daily Climatological Observations at 0900 Hr.(1990-1994)	New Zealand Meteorological Service	
·SPREP Reports and Studies Series No.54 "Implications of Climate Change and Sea Level Rise for Tuvalu" -Report of a Preparatory Mission	University of South Pacific & University of Auckland	1991
2. Statistics		
·Tuvalu National Census 1991 "Report on the 1991 Population Census of Tuvalu"	Government of Tuvalu	1991
·Statistical Abstract of Tuvalu, 1984-1990	Government of Tuvalu, Central Statistics Division Department of Planning and Statistics, Ministry of Foreign Affairs and Planning	1992
·National Accounts of Tuvalu 1988-1990, Sources and Methods	Government of Tuvalu, Central Statistics Division Department of Planning and Statistics, Ministry of Foreign Affairs and Planning	1992
3. Policy		
1) National Policy		
·TUVALU, Medium-Term Economic Framework Programme 1992 to 1994	Government of Tuvalu	1992
2) Budget		
.National Budget Tuvalu 1993	Government of Tuvalu	1993
.National Budget Tuvalu 1994	Government of Tuvalu	1994
.Public Works Department Draft Estimate-1995		
3) EFL Programme		
·Education for Life, - A Review of the Manpower, Education and Training Needs of Tuvalu	Government of Tuvalu, Australia, New Zealand and UK, International Labour Organization	1988
·Education For Life Implementation Appraisal	Education Division, Ministry of Health, Education and Community Affairs	1991
·Education For Life Programme, Round Table Meeting on Development Assistance Requirements	UNESCO Office for the Pacific States	1993
·Report of the Education For Life Round Table Meeting	Government of Tuvalu	1994
4) Background of EFL		
·Consultancy Selection, Examinations and Assessment	South Pacific Board of Educational Assessment	
·Consultancy Tertiary Educaion and Training	Technical-Vocational Education Specialist. The Kingdom of Tonga	
·Consultancy of Curriculum Development	University of the South Pacific	
·A Compendium of Education For Life, Consultancy Studies for Presentation to the Development Coordinating Committee	Government of Tuvalu, Ministry of Health, Sports and Human Resource Development	1993
·Consultancy -Buildings, Facilities Equipment	BDDP, Suva, Fiji	

Title / Items	Publishing Company / Sources	Year
4. Educational Sector		
1) The University of The South Pacific		1995
·REPORT 1993	University of South Pacific	
·Charactor, Statutes, Ordinances and Regulations, 1994	University of South Pacific	
·Calendar 1994	University of South Pacific	
·Pacific Curriculum Network Vol.2	University of South Pacific	1993
·University Extension Handbook 1994	University of South Pacific	1994
·Pacific Teacher Education Forward Planning Meeting,1992		1993
·USP Centre -Tender Document -Bills of Quantities		1986
2) Funafuti Primary School ·Tender Document for New Classroom Block	JAIMI Associates	1990
3) Motufoua		
·Motufoua -The Secondary School in Tuvalu, Master Plan Report	AIDAB Pcific Regional Team	1986
·Teachers Houses -Drawing of Grade·C Housing -Drawing of Grade·D Housing	Alan March Australian High Commission,	
·Resource Centre/Library (Tender Document) -Specification -Official Letter from British Development Division -Bills of Quantities -Drawings	 PK Consultants Williams Associates Ltd. Quantity Surveyors PK Consultants	 1990 1989
5. Regulations		
1) Laws of Tuvalu ·Education , Revised1978		
2) Building Code ·National Building Code for Tuvalu	Pacific Building Standards Project	1990
6. Construntion Conditions		
1) Building Manual		
·Home Building Manual / Tuvalu	Pacific Building Standards Project	1990
2) Scrups		
·Insulation for Houses	Bradford Insulation	1992
·The Carpenter, South Pacific Group Review		1991
3) Others / Pamphlets		
·Hardboard	Flecher Wood Panels Limited	
·Interlock Louvres		
·Colourbond Stainless, Colourbond WSE	BHP Steel	
·Timber Colours	Taubmans	
·Easycoat Vinyls	Taubmans	
·Exterior Colours	Taubmans	
·Imperial Series Excelon Tile	Armstrong	
·Gib Board Fire Rated Systems	Gib Board	1992
·T+T	Tonkin & Taylor Ltd.	