

添付資料

VILLAGE WITH PV SYSTEM

Date of Survey
No. & ID

I. Basic Data

1. Date

Village

Name of Household Head and Occupation

Number of People living in the Household and Their Ages

2. Level of Household Income

What are the sources of income in the household?

a) Salaries and Wages: \$ _____ per year.
Government worker, part time labor, etc.

b) Fishing: \$ _____ per year.
Income from sale of fish or fish products.

c) Agriculture: \$ _____ per year
Coconuts, copra, toddy, vegetables, etc.

d) Handicrafts: \$ _____ per year
Sale of handmade goods like fans, boats, thatch, etc.

e) Remittance from overseas: \$ _____ per year
Money sent from overseas family members

f) Money sent from overseas relatives

_____	\$ _____	per
_____	\$ _____	per year
_____	\$ _____	per year
_____	\$ _____	per year

3. Petroleum use for engines

Type	size	fuel	total use per week
(1) Automobile	cc		
Truck	cc		
Outboard Motor	hp		
Motorcycle	cc		
Electric Generator	kw		

If there is an electric generator, give manufacturer, model and size in kilo Watts.

4. Light

Where are lights used? What types of lights are there? How long are the lights used eachday?

Location	Type	Hours/day
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Location	Type
L-1 Bedroom	T-1 Coconut Oil
L-2 Cook Area	T-2 Kerosene Wick Lamp
L-3 Living Area	T-3 Kerosene Pressure Lamp
L-4 Exterior	T-4 Benzine Pressure
L-5 Portable for fishing, walking	T-5 Battery operated Light
	T-6 Engine Generator Powered
	T-7 PV System Powered

5. Water pump

Type	Number	Hours used per day
Hand Pump	_____	_____
Electric Pump	_____	_____

6. Battery Powered Appliances

Type	Number used	Hours used per/day	Number of battery	Size of battery
Radio	_____	_____	_____	_____
Torch	_____	_____	_____	_____
Tape/Radio	_____	_____	_____	_____
Tape only	_____	_____	_____	_____

7. Energy Purchases

(1) Kerosene

a) What size of container do you use for buying kerosene?

- _____ 500ml
- _____ 750ml
- _____ 1 litre
- _____ 4 litre)
- _____ Other size in litres

b) Containers of kerosene bought per day, week, month?

(2) Benzine

a) What size of container do you use for buying kerosene?

- _____ 500ml
- _____ 750ml
- _____ 1 litre
- _____ 4 litre
- _____ Other size in litres

b) Containers of benzine do you buy per day, week, month?

(3) Diesel (*Diese*)

a) What size of container do you use for buying diesel?

- _____ 500ml
- _____ 750ml
- _____ 1 litre
- _____ 4 litre
- _____ Other size in litres

b) How many containers of diesel do you buy per day, week, month? _____

II. Suitability of PV System

1. PV lighting system

(1) Regarding the fee of PV system

a) What is your family's feeling about it compared with kerosene lamps?

- a. Cheaper
- b. About the same
- c. Expensive

b) What percentage does the fee payment account for in your cash income?

(_____)

c) Do you restrict purchase of daily necessities because of the fee payment? and what kind of daily necessities do you restrict?

(_____)

d) Have you delayed in fee payment ? If so, specify the reason and how to manage?

(_____)

(2) How about the convenience of the PV lighting system?

What is your family's feeling about it compared with kerosene lamp?

- a. More convenient
- b. About the same as kerosene
- c. Less convenient

Reason (_____)

(3) For what use/works and what opportunity does your family use the lights and how many hours a day?

Men (_____)

Women (_____)

Children (_____)

- (4) What complaints/requests does your family have about the PV lighting system?
 a. Not enough lighting ()
 b. Lighting hours ()
 c. Technical trouble ()
 d. Insects ()
 e. Others ()
- (5) What kind of additional functions does your family want from the PV system?
 a. More light (How many ()
 b. Power outlet (What purposes ()
 c. Others ()
- (6) For the above additional functions, how much more are you willing to pay?
 ()
- (7) Do you use dc/dc inverter? and what purpose?
 ()

2. Maintenance and fee collection

- (1) Do you know it is prohibited to touch PV system, turn on the lamps in daytime, addition of electric appliances and remodeling PV system ?
 ()
- (2) Are you satisfied with the skill level of the field/senior technicians and their maintenance services, including handling your requests/complaints and trouble shooting?
 ()
- (3) What kind of services does your family need from the SEC that your family does not get now?
 a. Quick repair ()
 b. Move equipment ()
 c. Add equipment ()
 d. Others ()
- (4) Are you satisfied with the method of fee collection? If not, what do you want about fee collection?
 ()

III. Project Impact

1. Living style

- a) What time do they usually get up?
- b) What do they do usually in the morning?
- c) What do they do usually in the afternoon?
- d) How long time do they usually take for preparing the family's dinner?
- e) How long time do they usually take for washing clothes a day?
- f) What do they usually do at night?
- g) Do they usually read books, newspapers or magazines in their home? and how long, especially at night?

h) When do they usually go to bed?

2. Impact of the PV system to your family's life style

(1) Has time of production activity increased at night or in your house after installing the PV lighting system?

- a. No change
- b. Activity time for fishing and agriculture increased (How long?)
- c. Activity time for handicrafts increased (How long?)
- d. Others ()

(2) What kind of change has it caused for a housewife's works (such as kitchen work, washing and sweeping)

- a. No change from before
- b. Some of the works are done faster or easier ()
- c. Others ()

(3) Has the time which the housewife spent with her children and other family members changed?

- a. No change from before
- b. Increased (How long?)
- c. Decreased (How long?)
- d. Do not know

(4) Has the time to study homework by your children increased after installing the PV lighting system?

- a. No change
- b. Increased (How long?)
- c. Others ()

(5) Has the time to go to bed changed in your house after installing the PV lighting system?

- a. No change from before
- b. Later (Before: after:)
- c. Others ()

(6) Has social activity changed between neighbors in your house after installing the PV lighting system?

- a. No change
- b. Increased()
- c. Others ()

(7) Has the time spent listening to radio or tape recorder changed in your house after installing the PV system?

- a. No change from before
- b. Increased (How long?)
- c. Decreased (How long?)
- d. Others ()

(8) What kind of electrical appliances does your family now want to be powered from the PV system

()

(9) How does your family use its kerosene lamps after installing the PV lighting system?

- a. No change from before ()

- b. Changed ()
- (10) Has the use of your family's torch decreased after installing the PV lighting system?
 a.No change from before ()
 b.Decreased ()
- (11)Has use of your family's dry cells decreased
 a. No change from before ()
 b. Increased ()
 c. Decreased ()
- (12)Is there any decrease in illnesses such as lung diseases (consumption,tuberculosis) and other respiratory diseases in your family after installing the PV system?
 ()
- (13)Did your family experience the case where the PV lighting was useful for tending to sick people at night?
 ()
- (14)Is there any decrease in the number of robbery and other crimes in your family and village?
 ()
- (15)Is there any decrease in the number of fire in your family and village due to the use of kerosene lamp after installing the PV system?
 ()
- (16)Is there any decrease in the number of accidents and injuries (burns) in handling kerosene oil and lamp in your family after installing the PV system?
 ()
- (17)Is there any saving time in transportation of kerosene by decrease of use of kerosene after installing the PV system?
 ()
- (18)Which members of your family completed or are going to school?
 a. Primary ()
 b. Secondary ()
 c. Higher education ()
 d. Vocational school ()
- (19)Which members of your family have you quitted school before completion?
 a. Primary ()
 b. Secondary ()
 c. Higher education ()
 d. Vocational school ()
- (20)Is there any request for increase in the number of schools and teachers? ()

- (21) Has the ability of writing and reading increased in your family after installing the PV system? ()
- (22) Do you have any request about broadcasting of radio and TV? ()
- (23) Has the use of PV lighting promoted the preservation and inheritance of the traditional skills and culture (agriculture, fishing and handicraft, etc.) in your family? ()
- (24) Has socializing with your neighborhood increased after installing the PV system? ()
- (25) Has the hours of fishing preparation at night increased after installing the PV system? and has your cash income increased because of that? ()
- (26) Has the hours of preparation of night fish catch (salting and gutting) increased after installing the PV system? and has your cash income increased because of that? ()
- (27) Has the hours of fishing increased after installing the PV system? and has your cash income increased because of that? ()
- (28) Has the hours of vocational training and traditional skill training increased after installing the PV system? ()
- (29) Has the PV lighting promoted the increase of cash income sources? ()
- (30) Has the PV lighting saved the money to be spent for kerosene and helped to buy other things? ()
- (31) Is there any change in eating habits such as increase of imported foods after installing the PV system? ()
- (32) Is there any change in dependence on cash for daily necessities after installing the PV system? ()
- (33) Is there any member of your family who has returned from South Tarawa? ()
- (34) Do you feel rich or poor? and when do you feel so? ()

3. Social Impact of the PV system

(1) Has the vigor of your village changed after installing the PV lighting system?

a. No change from before

b. Increased (per month)

(activity: frequency: hours:)

(activity: frequency: hours:)

(activity: frequency: hours:)

(activity: frequency: hours:)

(activity: frequency: hours:)

(activity: frequency: hours:)

c. Do not know

(2) What kind of change has occurred between households having the PV system and households not having the PV system?

a. No change from before

b. Households not having the PV system are jealous of households having the PV lighting system

c. Others ()

(3) Do some of the households not having the PV system now want to install a PV lighting system?

a. Yes, they want to

b. No, they do not want to

c. Do not know

(4) Has there been any change in your participating in meetings held in your village?

a. Participate as much as before installing the PV lighting system

b. Decreased in participation

c. Others ()

(5) Is there any change of cultivation or land use due to polluted soil by disposal of dry cells in your village?

()

(6) Is there any change in agricultural produce (kind and quantity)

()

(7) Is there any decrease in the number of cutting trees?

()

SEC出庫リスト

月日	機材名(概要)	出庫数量	単価(A\$)	小計(A\$)	島名もしくは担当者
99/8/24	Connector(20A仕様)	10(pcs)	15	150	SEC Engineer
99/8/31	Battery spray	1(can)	5	5	N.Tarawa FT
	Brade Fuse	1(pcs)			
99/9/2	Insulating Tape	1(pcs)	1	1	SEC Office
99/9/3	Brade Fuse	2(pcs)	0	1	Maiana Is.
99/9/4	Battery spray	1(can)	5	5	Maiana Is.
99/9/8	Inverter(12Vけい光灯用)	1(pcs)	14	14	N.Tarawa FT
	Insulating Tape	1(pcs)	1	1	
	Connector(20A仕様)	1(pcs)	15	15	
99/9/10	Battery spray	1(can)	5	5	Abaiang Is.
	Connector(20A仕様)	1(pcs)	15	15	
99/9/10	Insulating Tape	1(pcs)	1	1	SEC Engineer
99/9/13	PL 11W Tube	3(pcs)	6	17	N.Tarawa FT for Kainaba
	Insulating Tape	1(pcs)	1	1	
99/9/17	Cable 4mm2 for interior	50(m)	1	72	N.Tarawa FT
	Ballast for 12V・11W Lamp	3(pcs)	14	43	
	PL 11W Tube	3(pcs)	6	17	
99/9/17	Spare Fuse (7.5A) Solar Fridge for health Controller(20A)	} 1 set			Butaritari Is. Clinic center
99/9/20	Battery spray		3(can)	5	16
	Ballast for 12V・11W Lamp	3(pcs)	14	43	
	PL 11W Tube	3(pcs)	6	17	
99/9/23	Distilled Water (20litters)	1(can)	20	20	}
	Battery LX-125	3(pcs)	300	900	
	Controller	1(pcs)	97	97	
	Inverter(600W)	1(pcs)	807	807	
99/9/24	20A Fuse for spare	5(pcs)	0	2	N.Tarawa FT
99/9/30	BPMR Controller (24V)	12(pcs)	107	1,289	
	Battery spray	1(can)	5	5	
99/9/30	Ballast for 12V・11W Lamp	10(pcs)	14	142	Nonouti Utility Customer
	PL 11W Tube	8(pcs)	6	46	
99/10/22	Connector(30A仕様)	20(pcs)			
99/10/27	Diode	4(pcs)	1	2	Abemama Is.
	Fuse(7.5A)	2(pcs)	1	2	
99/10/27	Cable 4mm2 for interior	100(m)	1	143	
	Cable Clip(Q15)	3(box)		0	
	Terminal strip connector	10(pcs)	15	150	
	Ballast for 24V・11W Lamp	8(pcs)	14	114	
	Battery spray	1(can)	5	5	
	Fuse(7.5A)	2(pcs)	1	2	
99/11/17	SEC Controller(12V・20A)	1(pcs)	97	97	N.Tarawa FT
99/11/26	By-pass diode	8(pcs)	0	3	Nonouti Is. FT
99/12/2	Metal base for lamp	3(pcs)	15	44	SEC Engineer
	Ballast for 12V・11W Lamp	10(pcs)	14	142	
	PL 11W Tube	8(pcs)	6	46	
99/12/3	Metal base for lamp	3(pcs)	15	44	N.Tarawa FT (Tearinibai)
	Ballast for 12V・11W Lamp	10(pcs)	14	142	
	PL 11W Tube	8(pcs)	6	46	
	Wall SW (no mounting)	3(pcs)	8	25	
	Cable 2.5mm2 for interior	30(m)	1	29	
99/12/8	PL 11W Tube	8(pcs)	6	46	
	SEC Controller(12V・20A)	1(pcs)	97	97	

00/1/4	FB battery 12V·100Ah Cable 4mm ² for interior 12V·11W Lamp kit SEC Controller(12V·20A) Wall SW (with mounting)	3(pcs) 60(m) 6(pcs) 1(pcs) 3(pcs)	350 1 54 97	1,050 86 324 97	Nonouti utility technician
00/1/31	Battery T105 6V·220Ah	14(pcs)	110	1,538	N.Tarawa FT
00/1/31	Ballast for 12V·11W Lamp	10(pcs)	22	215	N.Tarawa FT
00/1/31	Battery spray Insulating Tape	1(can) 1(pcs)	5 1	5 1	
00/2/11	Cable 4mm ² for interior Ballast for 12V·11W Lamp Wall SW (with mounting) Cable clip Joint Box	100(m) 10(pcs) 3(pcs) 4(box) 9(box)	1 22	143 215	Marakei utility technician
00/2/29	Wall SW (with mounting) 12V·11W Lamp kit Cable 2.5mm ² for interior Cable 4mm ² for interior Joint Box	3(pcs) 3(pcs) 20(m) 10(m) 3(box)	54 1 1	162 19 14	Nonouti New Clinic
00/2/29	SEC Controller(12V·20A)	1(pcs)	97	97	N.Tarawa FT
00/3/2	Fuse(1.5A)	1(pcs)			Abemama street light
00/3/10	Battery T105 6V·220Ah (2 battery x 5 houses) Insulating Tape	10(pcs) 1(pcs)	110 1	1,098 1	N.Tarawa FT
00/3/14	PL 11W Tube Ballast for 12V·11W Lamp Ballast for 24V·11W Lamp Diode(5A)	14(pcs) 10(pcs) 4(pcs) 8(pcs)	6 14 14	81 142 57	Banaba guest house
00/3/16	PL 11W Tube Ballast for 12V·11W Lamp By pass diode	3(pcs) 3(pcs) 2(pcs)	6 22 1	17 65 1	Marakei FT
00/3/27	12V·11W Lamp kit Wall SW (with mounting) Cable 2.5mm ² for interior Joint Box	3(pcs) 3(pcs) 30(m) 3(box)	54 1	162 29	N.Tarawa FT for Kainaba
00/4/5	Ballast for 12V·11W Lamp SEC Controller(12V·20A)	10(pcs) 5(pcs)	22 97	215 485	
00/4/7	12V·11W Lamp kit Cable 4mm ² for interior Wall SW (with mounting)	3(pcs) 40(m) 3(pcs)	54 1	162 57	N.Tarawa FT for new clinic
00/5/30	12V·11W Lamp kit Cable 4mm ² for interior Joint Box Wall SW (with mounting)	3(pcs) 30(m) 3(box) 3(pcs)	54 1	162 43	Nonouti
00/5/30	12V·11W Lamp kit Cable 4mm ² for interior Joint Box Wall SW (with mounting) Fuse Fuse holder	3(pcs) 60(m) 6(box) 3(pcs) 30(pcs) 30(pcs)	54 1	162 86	Marakei
00/6/9	PL 11W Tube Ballast for 12V·11W Lamp Insulating Tape Connector(30A仕様)	5(pcs) 10(pcs) 1(pcs) 5(pcs)	6 22 1	29 215 1	N.Tarawa FT

12,165

PRICE LIST AS AT 31 JUNE 2000

Nos	Description/Items	Selling Price
1	Apron	S 13.15
2	Battery 207 6v	S 519.00
3	Battery 2P785 PVStor	S 520.00
4	Battery 563 ah cells IBE 75N - 11 2V	S 350.00
5	Battery Acid	S 13.50
6	Battery Charge statpower 240AC	S 724.00
7	Battery Deep Cycle RE-4 100ah 12V	S 300.00
8	Battery Deep Cycle RE-8X 105ah 6V	S 220.00
9	Battery Fastener	S 3.50
10	Battery jumber	S 10.00
11	Battery Lead Acid Battery (NBK)	S 350.00
12	Battery Terminal Spray	S 7.00
13	Cable 10mm ²	S 2.70
14	Cable 2.5mm interior	S 2.00
15	Cable 4mm interior	S 2.20
16	Cable Clip Q13	S 10.00
17	Cable Clip Q15	S 10.00
18	Cable lugs	S 0.40
19	Cable tie	S 15.00
20	Cable Ties 100 long white	S 0.15
21	Cable ties 270 long black	S 0.30
22	Circuit breaker 10A	S 16.00
23	Circuit breaker 25amp	S 17.50
24	Circuit breaker 6A	S 16.00
25	Circuit breaker cover	S 8.00
26	Controller FBR 2/40	S 450.00
27	Controller PC1222 22A 12V	S 185.00
28	Controller PC2422 22A 24V	S 215.00
29	Controller SEC Model 20amp 12v	S 145.00
30	DC-DC Converter	S 45.00
31	Door Seal	S 13.50
32	Electric tape 10m	S 2.50
33	Electronic Control 24V	S 243.12
34	Electronic Control Sunfrost Fridge 24V	S 260.00
35	Flourescent light battern 18w	S 13.84
36	Fluoro Complete light 18w 12V (F/tube)	S 75.00
37	Fluoro Complete light 18w 12V (PH/tube)	S 76.00

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38	Fluoro PL light 11w 12v	S	54.00
39	Funnel	S	4.15
40	Fuse 10 amp Buss	S	8.00
41	Fuse 20amp	S	0.60
42	Fuse Block 10-30A 1 Pole	S	10.00
43	Gloves	S	2.65
44	Hydrometer	S	25.00
45	Inverter 11w 12v	S	21.50
46	Inverter 11w 24v	S	21.50
47	Inverter 16w 12v	S	10.00
48	Inverter 16w 24v	S	10.00
49	Inverter 20/18w 12V	S	35.00
50	Inverter 20w 24v	S	29.00
51	Inverter 600w	S	874.97
52	Inverter 800 24v DC 240 VAC	S	993.00
53	Inverter Dc-Ac 800W	S	807.00
54	Inverter Prowatt 250w	S	287.00
55	Inverter Trace DR 1524 E 230V AC 50 HZ	S	1,325.00
56	Inverter Trace SW 3024E	S	5,880.00
57	Inveter 250w	S	287.00
58	Junction box 30amp	S	6.40
59	Junction box 40amp	S	6.50
60	Light Batten + Lamp Holder	S	33.00
61	Light Battern 18w	S	17.60
62	Light Battern/Inverter 11w 24v (old)	S	49.00
63	Light Hat tyre Solagen	S	58.05
64	Metal bases,PI Sockets	S	19.90
65	Muiti meter (fluke)	S	180.00
66	Neutral Link 10 Hole	S	23.00
67	PCA 10 - 30 A	S	273.00
68	Pine Pole 4mm	S	47.75
69	Pressure Tank 13.9 Gal	S	287.00
70	Pressure Tank 45 Gal	S	525.00
71	Print Cartridge (black)	S	98.10
72	Print Cartridge (Colour)	S	85.60
73	PVC Pipe (3/4)	S	17.15
74	Shurflo 2088/8000 12V Motor	S	278.00
75	Shurflo 8000 Check Valve kit	S	17.00
76	Shurflo 8000 Diaphragm Kit	S	45.00

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77	Shurflo 8000 Switch kit	S	37.00
78	Shurflo 8000 Upper Housing kit	S	30.00
79	Shurflo 8000 Valve kit	S	35.00
80	Shurflo 8000 Drive Assembly	S	40.00
81	Solar Panal 80w	S	845.00
82	Solar Panal 83w	S	845.00
83	Solar Panal BP250	S	579.00
84	Solar Panal BP275	S	770.00
85	Statpower 250 i 230V 50HZ	S	287.00
86	Street light	S	937.50
87	Street light with all parts	S	2,721.50
88	Strip Connector (20amp)	S	10.00
89	Strip Connector (30amp)	S	17.00
90	Strip Connector (5amp)	S	5.40
91	Sunfrost RF-16 24V Fridge	S	5,455.00
92	Switch/Mounting	S	17.00
93	T2-Module rack	S	316.05
94	T6-Module rack	S	295.00
95	Test Meter I(fluke)	S	119.00
96	Thermostat	S	188.54
97	Thermostat for Sunfrost Fridge	S	200.00
98	Top Plug or male plug 3 pin	S	3.44
99	Tube 18w	S	7.00
100	Tube 8w	S	3.75
101	Tube 9w	S	4.80
102	Tube Ph 11w 12v	S	15.00
103	Valve Kit	S	8.70
104	Video/deck	S	1,521.75
105	Visor	S	7.75

	Buariki	Terinibei	Nuatabu	Taratai	Notoue	Abaokoro	Marenanuka	Tabonibara	Kainaba	
No. of systems at 1994	0	0	0	2	15	25	3	6	4	55
No. of systems at 2000	6	4	2	5	14	17	0	2	5	55
Battery situation										
Old (Not changed yet)					8	4		1	1	14
New (Already changed)	6	4	2	5	6	13		1	4	41
Details										
Japanese	6	2	2	5	3	12			4	
EU donated		1			2	1				
Others		1			1			1		
BP Solar		1								
TROJAN					1					
Controller situation										
Old (Not changed yet)	5	4	2	5	9			1		26
New (Already changed)	1				5	17		1	5	29
Details										
SEC made	1				5	17		1	5	
Others										
Light Situation										
At 2000										
11W	7	3	3	8	22	37		4	8	
7W						2			2	
1W				1	1					
Others		1			2	2				
Details										
20W					1	2			1	
8W					1					
Bike lamp										
Electric Appliances										
Using PV										
Radio Cassette					4	6			1	
CB Wireless			1			3			2	
Organ	1				1					
Voltage controller										
Using Engine										
Video					3	3				1
Ligthing										1
40W					1					
20W										
Fan					1					
Stereo										1

村落名: Buariki

No.	氏名	太陽電池関係		バッテリー—端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	Taamo	14.3	ポール, 架台等OK	14.1	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	14.1	11Wx2灯	Organ所有Battで使用 Locked
2			ポール, 架台等OK							
3	Tabutoa	14.6	ポール, 架台等OK	14.3	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	14.3	11Wx2灯	一部負荷ハ、バッテリー直結
4	Tetau	—		13.4	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	—	Fuse, 負荷撤去	費用未払い撤去予定
5	Lagoon Bar	23.0	ポール, 架台等OK	14.5	液レベルOK, 清掃済(NJ)	SEC製, 一部端子汚れ	すべてCont直結	14.3	11Wx1灯	Batt, 満充電
6	Watiou	14.5	北向き, 影有り	14.4	液レベルOK, 清掃済(NJ)	JICA製, 清掃要	すべてNFB有り	14.4	11Wx1灯	清掃等必要

村落名: Tearinibai

No.	氏名	太陽電池関係		バッテリー—端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	Tirokaiga	13.9	ポール, 架台等OK	13.6	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	13.6	ハイヘッドランプx1灯	
2	Yuane	14.1	ヤシ影有り	13.8	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	13.8	11Wx1灯	
3	Nantio	13.2	ポール, 架台等OK	12.9	液レベルOK, 清掃要(N?)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	12.9	11Wx1灯	Batt:BPSolar LX125
4	Raobeta	13.8	ポール, 架台等OK	13.5	液レベルOK, 清掃済(NE)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	13.5	11Wx1灯	

村落名: Nuatabu

No.	氏名	太陽電池関係		バッテリー—端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	Eretibou	14.3	ポール, 架台等OK	13.9	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	14.2	11Wx3灯, CBx1	
2	Tiriata	13.7	ポール, 架台等OK	13.7	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	負荷用のみCont直結, 他OK	13.7	11Wx1灯	

村落名: Taratai

No.	氏名	太陽電池関係		バッテリー—端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	Biribo	7.2	ポール, 架台等OK	14.3	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	14.3	11Wx1灯, 1wx1灯	Batt, 満充電
2	Teteki	15.0	ポール, 架台等OK	14.9	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	すべてCont直結	14.9	11Wx2灯	
3	Tibwe	14.1	ポール, 架台等OK	14.1	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	すべてNFB有り	14.1	11Wx1灯	
4	Aito	14.1	ポール, 架台等OK	13.9	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	すべてNFB有り	13.9	11Wx1灯	
5	Namei	7.2	ポール, 架台等OK	14.5	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	すべてNFB有り	14.5	11Wx3灯	Batt, 満充電

村落名: Notoue

No.	氏名	太陽電池関係		バッテリー端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	Arebonto	13.0	ポール, 架台等OK	12.9	液レベルOK, 清掃済(O)	SEC製, 汚れ等無し	すべてCont直結	13.0	11Wx1灯	
2	Kiriata	13.9	ポール, 架台等OK	13.4	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	すべてCont直結	13.6	8W(F875CW)x1灯	Cont取替予定
3	Keiti	14.3	ポール, 架台等OK	13.2	液レベルOK, 清掃済(O)	JICA製, 汚れ等無し	すべてNFB有り	13.6	11Wx1灯	
4	Maria		北向き		液レベルOK, 清掃済(O)	JICA製, 汚れ等無し	すべてCont直結		11Wx2灯	Cont.Batt取替予定
5	Terinaki	13.9	北向き	13.5	液レベルOK, 清掃済(O)	SEC製, 汚れ等無し	すべてCont直結	13.8	11Wx1灯	Lamp5年使用.V/C故障
6	Tikanro	11.1	ポール, 架台等OK	14.4	液レベルOK, 清掃済(O)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	14.6	20Wx1灯	11Wハラストに20W使用
7	Utimawa	12.7	ポール, 架台等OK	12.6	液レベルOK, 清掃済(NE)	SEC製, 汚れ等無し	すべてCont直結	12.7	11Wx3灯	Batt回路Fuse有.E&V有
8	Iotebwa	5.8	ポール, 架台等OK	14.5	液レベルOK, 清掃済(NJ)	JICA製, 汚れ等無し	すべてNFB有り	14.5	11Wx1灯	
9	Airin	13.7	ポール, 架台等OK	13.4	液レベルOK, 清掃済(O)	SEC製, 汚れ等無し	すべてCont直結	13.6	11Wx4灯	E,V&F有
10	Taukaban	13.2	ポール, 架台等OK	13.2	液レベルOK, 清掃済(O)	JICA製, 汚れ等無し	すべてCont直結	13.2	11Wx1灯, RCx1	
11	Tamuera	13.6	ポール, 架台等OK	13.1	液レベルOK, 清掃済(O)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	13.4	11Wx3灯, RCx1	
12	Tebike	14.5	ポール, 架台等OK	13.8	液レベルOK, 清掃済(NE)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	14.1	11Wx2灯, RCx1	E&V有
13	Antonio	6.8	ポール, 架台等OK	14.4	液レベルOK, 清掃済(NJ?)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	14.5	11Wx1灯	Batt:TROJAN RE-4
14	Mariano	14.6	ポール, 架台等OK	13.4	液レベルOK, 清掃済(NJ)	SEC製, 汚れ等無し	すべてCont直結	13.6	11Wx2灯	

村落名: Abaokoro

No.	氏名	太陽電池関係		バッテリー端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	Abakuka	13.9	ポール架台等OK	13.7	液レベルOK,清掃済(O)	SEC製,汚れ等無し	すべてCont直結	13.9	11Wx2灯	
2	Beia	13.6	ポール架台等OK	13.5	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	13.6	11Wx2灯,RCx1	
3	Ekeieta	11.9	ポール架台等OK	11.9	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	11.9	20Wx2灯,RC&CBx1	
4	Natiria	12.6	ポール架台等OK	12.5	液レベルOK,清掃済(NE)	SEC製,汚れ等無し	すべてCont直結	12.4	11Wx3灯,CBx1	
5	Obeta	13.4	ヤシ影有り	13.3	液レベルOK,清掃済(O)	SEC製,汚れ等無し	すべてCont直結	13.3	11Wx1灯	配線工事中
6	Tetika		ポール架台等OK		液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結		1Wx1灯,RCx1	
7	Tebuaka	22.7	ポール架台等OK	13.0	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	13.0	11Wx2灯	
8	Tekakiabo	12.7	ポール架台等OK	12.7	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	12.6	11Wx1灯,7Wx1灯	
9	Temarawa	13.9	ポール架台等OK	13.9	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	13.9	11Wx2灯,RCx1	
10	Tioera	12.0	ポール架台等OK	12.0	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	12.0	11Wx2灯,RCx1	
11	Kiron	12.8	ポール架台等OK	12.8	液レベルOK,清掃済(O)	SEC製,汚れ等無し	すべてCont直結	12.8	11Wx2灯,CBx1	Batt取替予定,E,V&S有
12	Tioti	13.5	ポール架台等OK	13.3	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	13.3	11Wx3灯,CBx1	E&V有
13	Aboua	22.6	ポール架台等OK	14.1	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	13.2	11Wx2灯	
14	Tekeraoi	23.4	ポール架台等OK	13.6	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	13.6	11Wx2灯	
15	Matiota	12.9	ポール架台等OK	12.8	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	12.8	11Wx2灯,RCx1	E&V有
16	Bauro	12.6	ポール架台等OK	12.5	液レベルOK,清掃済(NJ)	SEC製,汚れ等無し	すべてCont直結	12.6	11Wx1灯	E&V有
17	Ruabenai	12.8	ポール架台等OK	12.7	液レベルOK,清掃済(O)	SEC製,汚れ等無し	すべてCont直結	12.7	11Wx1灯,7Wx1灯	

村落名: Tabonibara

No.	氏名	太陽電池関係		バッテリー端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	Maeuea	13.1	ポール架台等OK	12.8	液レベルOK, 清掃済(O)	JICA製, 汚れ等無し	Batt用のみ, 他Cont直結	13.0	11Wx1灯	40W Lamp x1 by E
2	Boua	13.1	ポール架台等OK	13.0	液レベルOK, 清掃済(NE)	SEC製, 汚れ等無し	すべてCont直結	13.1	11Wx3灯	

村落名: Kainaba

No.	氏名	太陽電池関係		バッテリー端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	Birikaua	12.5	ポール架台等OK	12.5	液レベルOK, 清掃済(NJ)	SEC製, 汚れ等無し	すべてCont直結	12.5	11Wx1灯, 7Wx1灯	CBx1
2	Tokarei	12.4	ポール架台等OK	12.4	液レベルOK, 清掃済(NJ)	SEC製, 汚れ等無し	すべてCont直結	12.4	20Wx1灯, 7Wx1灯	CBx1
3	Taake	12.7	ポール架台等OK	12.6	液レベルOK, 清掃済(NJ)	SEC製, 汚れ等無し	すべてCont直結	12.7	11Wx3灯	Batt: BPSolar LX125
4	Tebuatei		ポール架台等OK		(NJ)	SEC製, 汚れ等無し	すべてCont直結		11Wx1灯	Locked(FTよりヒ7)
5	Ueanna	12.3	ポール架台等OK	12.3	液レベルOK, 清掃済(O)	SEC製, 汚れ等無し	すべてCont直結	12.3	11Wx3灯, RCx1	

村落名: Kainaba Maneaba system

No.	氏名	太陽電池関係		バッテリー端子(V)		コントローラ周辺	NFB類	負荷出力(V)		コメント
		電圧(V)	外観他	電圧(V)	外観他			電圧(V)	電気製品他	
1	No.1	25.2	ヤン影有り	25.0	液レベルOK, 清掃済(N?)	JICA製, 清掃要	すべてCont直結	25.0	20Wx1灯, 7Wx1灯	
2	No.2	25.2	ヤン影有り			JICA製, 清掃要	すべてCont直結		20Wx1灯	

* Kainaba Maneaba systemについて

<開発調査>

<今回調査>

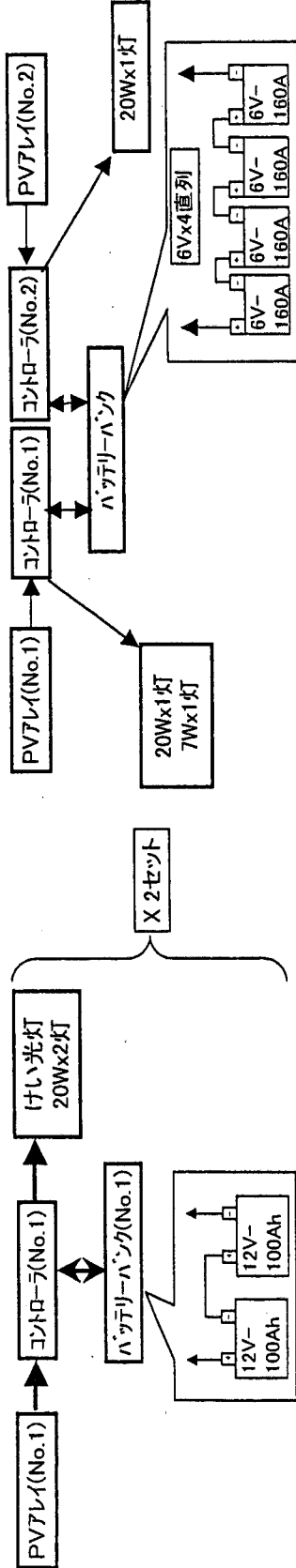


Table 5-2(1) Households Interviewed and Cash Income Survey

Household No. & Code No.	Household Name	PV Status	Occupation	Family Member	Annual Cash Income Total	Salary and wages	Fishing	Agriculture	Handicraft	Remittance from overseas or local	Other income
(*: interviewed)											
TARATAI											
No.1 & R17	TETIKA	Removed for non-payment									
* No.2 & R	TABOBO	Active (Changed to AITO KABUATI)	Council clerk	5	A\$ 2480	A\$ 780	A\$ 1200		A\$ 500		
NOTOUE											
* No.1 & N1	AREBONTO	Active	Bakery	6	A\$ 1600 (3120)	A\$ 1500		A\$ 100(1560)	(1560)		
No.2 & N3	BENTARA	Removed for non-payment									
* No.3 & N10	KEITI	Active		4(5)	A\$ 2500 (1000)			A\$ 2500 (1000)			
No.4 & N16	MIKAERE TIMAIA	Removed for non-payment									
* No.5 & N30	TERIRIAKI	Active	Bakery	6	A\$ 2000 (1090)	A\$ 1200	A\$ 800	(1040)	(50)		
* No.6 & N32	TIKANRO	Active	School warden	9(3)	A\$ 1500 (300)	(200)		(100)			
* No.7 & N35	UTIMAWA	Active		10(3)	A\$500 (1560)						
No.8 & N36	WAIRE	Removed for non-payment									
* No.9 & N37	IOTEBWA	Active									
* No.10 & N38	AIRIN	Active	Private business	5	A\$ 3800	A\$ 3000		A\$ 500	A\$ 300		
No.11 & N	RONITI	Removed for non-payment									
No.12 & N	TAUKABAN	Active			A\$ 600				A\$ 600		
* No.13 & N	TEBIKE	Active	Council carpenter	6(7)	A\$ 2500 (1200)		(600)	(600)			
No.14 & N	TIBAU	Removed for non-payment									
* No.15 & N	TAMUERA	Active		7(3)	A\$ 500 (2000)	A\$ 500				(2000)	

*1: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

*2: Figures in parenthesis are those surveyed in 1992 by JICA mission.

Table 5-2(2) Households Interviewed and Cash Income Survey

Household No. & Code No.	Household Name	PV Status	Occupation	Family Member	Annual Cash Income Total	Salary and wages	Fishing	Agriculture	Handicraft	Remittance from overseas or local	Other income
ABAOKORO											
No.1 & A1	ABAKUKA	User change to TOATI	Policeman							A\$ 2400 (1200)	
No.2 & A4	BEIA TOARA	Removed for moving to outer island									
* No.3 & A5	EKEIETA ITITAAKE	Active	Shopkeeper	5(8)	A\$ 6050 (4850)	A\$ 3650		(3650)		A\$ 2400 (1200)	
No.4 & A9	LOUI NAMAINE	Removed for death									
* No.5 & A10	NAITIRA TAMTON	Active	Field technician	12(3)	A\$ 2834 (260)	A\$ 2834 (260)					
* No.6 & A11	OBETA (dead)	Active (succeeded by son Aukitiro)	Missionary	(8)	A\$ 1040 (6070)	A\$ 1040	(1000)	(1000)	(400)	(3670)	
* No.7 & A16	IERUBAARA	User change to TETIKA	Policeman	5	A\$ 3640						
* No.8 & A17	TEBUKA	Active	Council Guest House Care Taker	5(7)	A\$ 4578 (400)	A\$ 1378 (400)	A\$ 3200				
* No.9 & A18	TEKAKIABO	Active	Council driver	3	A\$ 1300 (600)	A\$ 1300 (600)					
* No.10 & A21	TEMARAWA	Active	Council assis. clerk	8(11)	A\$ 2180 (2740)	A\$2080 (2740)	A\$ 100				
No.11 & A27	MAKIN NGATAU	User change to TIOERA	Council clerk								
No.12 & A29	TAUKABAN	Removed for moving to South Tarawa									
* No.13 & A32	RIBATI	Active	Pastor	6	A\$ 5148	A\$ 1748	A\$ 1000			A\$ 2400	
No.14 & A33	TIOTI	User change to AUKITINO	Catholic missionary								
* No.15 & A36	ABAUA	Active			A\$ 1300	A\$ 1300					
No.16 & A38	BWENAWA	Removed for non-payment									
* No.17 & A37	MATIOTA	Active	Council carpenter	10	A\$ 1690	A\$ 1690					
No.18 & A	TENAGIMAU	Removed for moving to outer island									
No.19 & A	TEKATAU	Removed for moving to outer island									
No.20 & A	KAUBUNANG	Removed for moving to South Tarawa									
No.21 & A	BAURO	Removed for death									
No.22 & A	AMBO	Removed for moving to other village									
* No.23 & A	TEKEAROI	Active	Council agric. assistant	4	A\$ 3120	A\$ 3120					
No.24 & A	TETAKE	Removed for death									
No.25 & A	BIITA	Removed for moving to outer island									

*1: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

*2: Figures in parenthesis are those surveyed in 1992 by JICA mission.

Table 5-2(3) Households Interviewed and Cash Income Survey

Household No. & Code No.	Household Name	PV Status	Occupation	Family Member	Annual Cash Income Total	Salary and wages	Fishing	Agriculture	Handicraft	Remittance from overseas or local	Other income
MARENANUKA											
No.1 & M1	BEIA RUAJA	Removed for moving to South Tarawa									
* No.2 & M4	MOAUEA	Removed for moving to outer island	(TEBWEBWE: Carpenter)	7	A\$ 1120	A\$ 520			A\$ 600		
No.3 & M7	TEN TATERAKA	Removed for moving to South Tarawa									
TABONIBARA											
* No.1 & T6	RABANGAKI	Removed for non-payment		9 (7)	A\$ 1740 (4820)		(800)	(1020)	(1500)	A\$ 780	(1500)
No.2 & T18	TOANNI TAKAID	Removed for non-payment						A\$ 960			
No.3 & T23	TEAOTI NGAIA	Removed for non-payment									
* No.4 & T	MAEUEA	Active	Council clerk	5 (2)	A\$ 1560 (2210)	A\$ 1560 (1200)	(150)	(360)	(100)		(400)
No.5 & T	TABEIA	Removed for moving to other village									
No.6 & T	TIRIBO	Removed for moving to South Tarawa									
KAINABA											
No.1 & K4	BIRIKAUJA TABOKAI	Removed for non-payment									
* No.2 & K10	TAAKE TETAUA	Active	Nurse(wife)	5	A\$ 2590	A\$390	A\$ 480		A\$ 1000	A\$ 720	
No.3 & K11	TEBUATEI ABIETE	Removed for moving to South Tarawa									
* No.4 & K14	UEANNA TEMANIKAAN	Active	Policeman	15 (11)	A\$ 3376 (1740)	A\$ 936 (240)	A\$ 1200	A\$ 240 (1200)	A\$ 1000		(300)

*1: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

*2: Figures in parenthesis are those surveyed in 1992 by JICA mission.

Table 5-3(1) Energy Survey

Household No. & Code No.	Household Name	Electrical Appliance	Fuel use equipment	PV use	Additional function	Willingness to pay for additional function	dc/dc converter	Time spent for radio/cassette	Electrical appliances desired for PV	Use of kerosene lamp	Use of torch	Use of dry battery
*1: interviewed												
TARATAI												
No.1 & R17	TETIKA											
* No.2 & R	TABOBO	Radio & torch	Kerosene lamp		Power outlet for fridge.	A\$20(A\$11 more)	No	Increased 4-5hrs		No use	Decrease	Decreased
NOTOUE												
* No.1 & N1 No.2 & N3	AREBONTO BENTARA		Motorcycle	Reading(man) weaving(woman) study(children)		sustainable fee imposed	No		Fridge, pump, fan	Rarely used		
* No.3 & N10 No.4 & N16	KEITI MIKAERE TIMAIA			Reading(man) fish gutting&salting(woman) homework(children)	Power outlet	Reasonable fee imposed				Decreased		
* No.5 & N30	TERIRIAKI	Torch		Fishing preparation(man) weaving(woman)study/Leisure(man&woman) homework(children)		Reasonable fee imposed			Fridge, video, fan	Decrease	No change	No change
* No.6 & N32	TIKANRO	Torch		Leisure(man)weaving, fish salting(woman) homework(children)		Reasonable fee imposed			Pump	Decreased		
* No.7 & N35 No.8 & N36 * No.9 & N37	UTIMAWA WAIRE IOTEBWA								Pump & fridge	Changed	No change	
* No.10 & N38 No.11 & N	AIRIN RONITI	Torch	Motorcycle, generator	Reading(man) weaving(woman) study(children)		Agree to pay reasonable fee	No		Fridge, video, stereo	Decrease	No change	No change
No.12 & N	TAUKABAN			Leisure, fishing(man) Weaving, leisure(woman)						decreased		
* No.13 & N No.14 & N	TEBIKE TIIBAU	Torch		Bookkeeping(man)Weaving & leisure(woman)homework(children)	Power outlet	reasonable fee imposed				Changed	No change	No change
* No.15 & N	TAMUERA		Motorcycle	Fishing(man) weaving(woman)study(children)	Power outlet for fridge	reasonable fee imposed	Yes for radio/cassette	Increased	Fridge	Changed		

*1: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

Table 5-3(2) Energy Survey

Household No. & Code No.	Household Name	Electrical Appliance	Fuel use equipment	PV use	Additional function	Willingness to pay for additional function	dc/dc converter	Time spent for radio/cassette	Electrical appliances desired for PV	Use of kerosene lamp	Use of torch	Use of dry battery
ABAOKORO (1)												
No.1 & A1 No.2 & A4	ABAKUKA BEIA TOARA											
* No.3 & A5 No.4 & A9	EKEIETA ITITAAKE LOUI NAMANE	Video, radio/cassette	Outboard motor, motorcycle, generator, kerosene stove	fish gutting/salting(woman) homework(children)	2 x 20W more lights and power outlet for radio, video, fridge	A\$20 (A\$10 more)	Yes for radio	Increased		Fishing	No use	
* No.5 & A10	NAITIRIA TAMTON	Radio and torch	Motorcycle & kerosene stove		1 more light & power outlet for	A\$ 20 (A\$ 10 more)	Yes for radio	Increased	Video, fridge, CB	N/A	Decrease	Decreased
* No.6 & A11	OBETA (dead)	Torch		Sewing & card game(woman)	2 more lights	A\$ 14(A\$ 5 more)	No	N/A		N/A		
* No.7 & A16	IERUBAARA	Radio and torch	Kerosene pressure lamp	Study(man) babysitting & sewing(woman) homework(children)	2 more lights and power outlet for radio/cassette and	A\$ 10 (A\$ 1 more)	No					
* No.8 & A17	TEBUAKA	Torch	Kerosene stove	Baking & mats	2 more lights and power outlet for radio/cassette	A\$ 10 (A\$ 1 more)	No		None		Decrease	Decreased

*1: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

Table 5-3(3) Energy Survey

Household No. & Code No.	Household Name	Electrical Appliance	Fuel use equipment	PV use	Additional function	Willingness to pay for additional function	dc/dc converter	Time spent for radio/cassette	Electrical appliances desired for PV	Use of kerosene lamp	Use of torch	Use of dry battery
ABAOKORO (2)												
* No.9 & A18	TEKAKIABO	Torch & radio/cassette	Kerosene pressure lamp		2 more lights and power outlet for stereo	A\$ 20 (A\$ 11 more)	No	Increased	Stereo, pump, video	Night fishing	Decrease	Decreased
* No.10 & A21	TEMARAWA	Torch & radio/cassette	Kerosene stove	fishing preparation (man) fish gutting & salting (woman)	Power outlet for fridge	No	Yes for cassette	Increased	Fridge		Decrease	Decreased
No.11 & A27	MAKIN NGATAU											
No.12 & A28	TAUKABAN											
* No.13 & A32	RIBATI	Radio/cassette & video	Generator, kerosene lamp		2 more lights & extended lighting hours & power outlet for radio/cassette/video	A\$20(A\$11 more)	No	Increased 6-10hrs				
No.14 & A33	TIOTI											
* No.15 & A35	ABAUA	Torch & radio/cassette	Kerosene stove				No	D/N	D/N	N/A	No change	No change
No.16 & A36	BWENAWA											
* No.17 & A37	MATIOTA	Radio/cassette	Kerosene stove	fish gutting & salting (woman)	Power outlet for radio/cassette	A\$12 (A\$3 more)	No		Solar pump	N/A	Decrease	No change
No.18 & A	TENAGIMAU											
No.19 & A	TEKATAU											
No.20 & A	KAUBUNANG											
No.21 & A	BAURO											
No.22 & A	AMBO											
* No.23 & A	TEKEAROI	Torch	Kerosene stove	fish preparation (woman)	1 more light and power outlet for video, stereo, washing	A\$ 25 (A\$16 more)	No					
No.24 & A	TETAKE											
No.25 & A	BIITA											

*1: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

Table 5-3(4) Energy Survey

Household No. & Code No.	Household Name	Electrical Appliance	Fuel use equipment	PV use	Additional function	Willingness to pay for additional function	dc/dc converter	Time spent for radio/cassette	Electrical appliances desired for PV	Use of kerosene lamp	Use of torch	Use of dry battery
MARENANUKA												
No.1 & M1	BEIA RUAIA											
* No.2 & M4	MOAUEA	2 torches	Kerosene stove &	N/A	N/A	N/A	N/A					
No.3 & M7	TEN TATERAKA											
TABONIBARA												
* No.1 & T6	RABANGAKI	Radio & 2 torch	Kerosene lamp	N/A	N/A	N/A	N/A					
No.2 & T18	TOANII TAKAIO											
No.3 & T23	TEAOTI NGAIA											
* No.4 & T	MAEUEA				2 more lights	No more	No		Radio & solar pump			
No.5 & T	TABEIA											
No.6 & T	TIRIBO											
KAINABA												
No.1 & K4	BIRIKAUJA TABOKAI											
* No.2 & K10	TAAKE TETAUA	Torch & radio	Outboard motor		Power outlet for fridge,	A\$ 30 (A\$ 21 more)	No	No change	Fridge & pump		Decrease	No change
No.3 & K11	TEBUATEI ABIETE											
* No.4 & K14	UEANNA TEMANIAKAA	Torch & radio/cassette	Kerosene pressure lamp & Kerosene stove	talk(man) mats(woman) study(children)	Power outlet for video,fridge,pump	A\$30(A\$20 more)	Yes for radio/cassette	Increased		Decrease	Decrease	Decreased

Table 5-4(1) PV Acceptance Survey

Household No. & Code No.	Household Name	PV fee a:cheaper b:same c:expensive	PV fee payment delay	PV convenience a:more convenient b:same c:less convenient	Request/complaint	PV understanding	Satisfaction of maintenance	Satisfaction of fee collection method	Request for SEC services
*: interviewed									
TARATAI									
No.1 & R17	TETIKA								
* No.2 & R	TABOBO	a		a	Lamp tube to be included in fee	Yes	Satisfied		Quick repair Move/Add equipment
NOTOUE									
* No.1 & N1 No.2 & N3	AREBONTO BENTARA	b	Yes due belated collection	a	Technical trouble shooting	Yes	Satisfied	Yes	
* No.3 & N10 No.4 & N16	KEITI MIKAERE TIMAIA	a	No	a	Technical troubleshooting	Yes	Satisfied	Yes	Quick repair
* No.5 & N30	TERIRIAKI	a	No	a		Yes	Satisfied		
* No.6 & N32	TIKANRO	a	No	a	Not enough lighting	Yes	Satisfied	Yes	Quick repair
* No.7 & N35 No.8 & N36	UTIMAWA WAIRE	a	No	a	Not enough lighting	Yes	Satisfied	Yes	
* No.9 & N37	IOTEBWA								
* No.10 & N38 No.11 & N	AIRIN RONITI	a	No	a		yes	Satisfied	Yes	
No.12 & N	TAUKABAN	a	No	a	Technical trouble shooting	Yes	Satisfied	Yes	Quick repair
* No.13 & N	TEBIKE	a	No	a	Technical trouble shooting	Yes	Satisfied	Yes	Quick repair
No.14 & N	TIIBAU								
* No.15 & N	TAMUERA	a	No	a	Extended lighting hours	Yes	Satisfied	Yes	Quick repair(dc/dc converter)

*: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

Table 5-4(2) PV Acceptance Survey

Household No. & Code No.	Household Name	PV fee a:cheaper b:same c:expensive	PV fee payment delay	PV convenience a:more convenient b:same c:less convenient	Request/complaint	PV understanding	Satisfaction of maintenance	Satisfaction of fee collection method	Request for SEC services
ABAOKORO									
No.1 & A1 No.2 & A4	ABAKUKA BEIA TOARA								
* No.3 & A5 No.4 & A9	EKEIETA ITITAAKE LOUI NAMANE	a	No	a	Private maneaba lighting, light	Yes	Satisfied	Yes	Add equipment
* No.5 & A10	NAITIRIA TAMTON	a	No	a	More lighting hours	N/A	N/A	N/A	N/A
* No.6 & A11	OBETA (dead)	a	No	a		Yes	Satisfied	Yes	None
* No.7 & A16 No.8 & A17	IERUBAARA TEBUKA	a	Once 1 month	a		Yes	Yes	Yes	Add equipment (light)
* No.9 & A18	TEKAKIABO	a	No	a	None	Yes	Satisfied	Yes	Quick repair
* No.10 & A21	TEMARAWA	a	once 1 month	a		Yes	Satisfied	Yes	Quick repair
No.11 & A27 No.12 & A29	MAKIN NGATAU TAUKABAN								
* No.13 & A32 No.14 & A33	RIBATI TIOTI	a	None	a		Yes	Satisfied	Yes	Quick repair(2-3week waited for)
* No.15 & A35 No.16 & A36	ABAUA BWENAWA	a	sometimes 1m	a		Yes	Yes	Yes	Quick repair
* No.17 & A37 No.18 & A	MATIOTA TENAGIMAU	a	once 1 month	a	none	Yes	Satisfied	D/N	None
No.19 & A No.20 & A	TEKATAU KAUBUNANG								
No.21 & A No.22 & A	BAURO AMBO								
* No.23 & A No.24 & A	TEKEAROI TETAKE	c	once 1 month	a	none		Yes	Yes	Quick repair
No.25 & A	BIITA								

*: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

Table 5-4(3) PV Acceptance Survey

Household No. & Code No.	Household Name	PV fee a:cheaper b:same c:expensive	PV fee payment delay	PV convenience a:more convenient b:same c:less convenient	Request/complaint	PV understanding	Satisfaction of maintenance	Satisfaction of fee collection method	Request for SEC services
MARENANUKA									
No.1 & M1 * No.2 & M4 No.3 & M7	BEIA RUIAIA MOAUEA TEN TATERAKA								
TABONIBARA									
* No.1 & T6 No.2 & T18 No.3 & T23	RABANGAKI TOANII TAKAIO TEAOTI NGAIA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
* No.4 & T No.5 & T No.6 & T	MAEUEA TABELA TIRIBO	a	sometimes 2-3 months	a		Yes	Satisfied	Yes	Quick repair(lamp tube)
KAINABA									
No.1 & K4 * No.2 & K10 No.3 & K11	BIRIKAUA TABOKAI TAAKE TETAUA TEBUATEI ABIETE					Yes	Satisfied	Unavoidable payment delay	Quick repair
* No.4 & K14	UEANNA TEMANIAKAA	a		a	2 more lighting hours	Yes	Satisfied	Unavoidable payment delay	Quick repair and permanent station of field tech.

*: Household Nos. & Code Nos. are identical to those shown in JICA's 1994 Report.

Table 5-5(1) Living Style Survey

Household No & Code No	Household Name	Living style (get-up to bed)	Change of activity	Change for housewife	Time spent with children	Time for children homework	Social activity with neighbors	Experience in tending sick people at night	Experience in fire due to kerosene	Experience in accident/injury due to kerosene	Saving time in kerosene transport	Ability in writing/reading	Return from South Tarawa	Change among household's habits vs havens	Vigor of village	Participation in meeting
* interviewed																
TABATAI																
No.1 & R17	TEIWA	6-	Fishing & handicraft	faster & easier	Increased	Increased 1hr	card same	Yes	Once	Yes	N/A			Increased	Decreased	
* No.2 & R	TABOEC	6-22/4(22)														
NPTQUE																
* No.1 & M1	ABERONIO	5/8-22(22)	Bakery	faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	same
No.2 & M2	BEITARA	6/8-														
* No.3 & M3	MEITI	6-23(23)					Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	same
No.4 & M4	MAKERE TIKALIA	5/7-														
* No.5 & M5	TERIRIAU	21/22(22)	fishing	faster & easier	Increased	Increased 1hr	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous		
No.6 & M6	BEITARA	6/8-	Study & leisure	faster & easier	Increased	Increased 1hr	Increased	Yes	Yes	Yes	Yes			Jealous	Increased	same
* No.7 & M7	TIKAIRO	22/23(23)		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes			Jealous	Increased	same
No.8 & M8	TIKAIRO	22/23(23)		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes			Jealous	Increased	same
* No.9 & M9	LITIMAWA	5-22(22)		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	Increased
No.10 & M10	WAIRE	5/6-														
* No.11 & M11	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.12 & M12	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.13 & M13	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.14 & M14	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
* No.15 & M15	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.16 & M16	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.17 & M17	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.18 & M18	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.19 & M19	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.20 & M20	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.21 & M21	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.22 & M22	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.23 & M23	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.24 & M24	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	
No.25 & M25	ICTEBWA	4/6-		faster & easier	Increased	Increased	Increased	Yes	Yes	Yes	Yes	Yes	Yes	Jealous	Increased	

*1 Household Nos & Code Nos are identical to those shown in JICA's 1994 Report

*2 Figures in parenthesis are those surveyed in 1992 by JICA mission

Table 5-5(2) Living Style Survey

Household No & Code No	Household Name	Living style (get-up to bed)	Change of activity	Change for housewife	Time spent with children	Time for children homework	Social activity with neighbors	Experience in tending sick people at night	Experience in fire due to kerosene	Experience in accident/injury due to kerosene	Saving time in kerosene transport	Ability in writing/reading	Return from South Tarawa	Change among household's habits vs havens	Vigor of village	Participation in meeting
ABACKORO																
No.1 & A1	ABAKIKA	6/7-														
No.2 & A2	BEIA TOARA	6/7-														
* No.3 & A3	EKEIETA ITITAIKE	21/22(19/22)	Business hours extended fishing & handicraft	faster & easier	Increased	Increased	Increased	Yes	No	Very few	N/A			No change	Increased	Decreased
No.4 & A4	LOLI HUMANI	6-21		and easier	Increased	Increased 1hr	Increased	No	No	No	N/A			Jealous		Decreased
* No.5 & A5	NAITIRIA TAMTON	6-21(21)		and easier	Increased	Increased 1hr	Increased	Yes	No	No	N/A	Yes	Yes	Jealous		Decreased
No.6 & A6	OBETA (dead)	6-22(21)		and easier	Increased	Increased 1hr	Increased	Yes	No	No	N/A	Yes	Yes	Jealous		Decreased
* No.7 & A7	TERUBAARA	6-22		and easier	Increased	Increased	Increased	Yes	No	No	N/A	Yes	Yes	Jealous		Increased
No.8 & A8	TERUBAARA	6/7-24(22)	game and talk	and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Yes					Not interested
* No.9 & A9	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.10 & A10	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
* No.11 & A11	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.12 & A12	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
* No.13 & A13	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.14 & A14	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
* No.15 & A15	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.16 & A16	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
* No.17 & A17	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.18 & A18	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.19 & A19	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.20 & A20	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.21 & A21	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.22 & A22	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
* No.23 & A23	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.24 & A24	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased
No.25 & A25	TEKAIABC	23(23/21)		and easier	Increased	Increased 1hrs	Increased	Yes	No	No	Decreased	Yes	Yes	Jealous		Increased

*1 Household Nos & Code Nos are identical to those shown in JICA's 1994 Report

*2 Figures in parenthesis are those surveyed in 1992 by JICA mission

Table 5-5(3) Living Style Survey

Household No & Code No	Household Name	Living style (get-up to bed)	Change of activity	Change for housewife	Time spent with children	Time for children homework	Social activity with neighbors	Experience in tending sick people at night	Experience in fire due to kerosene	Experience in accident/injury due to kerosene	Saving time in kerosene transport	Ability in writing/reading	Return from South Tarawa	Change among household's habits vs havens	Vigor of village	Participation in meeting
MARENANUKA																
No.1 & M1	BEIA RUJIA	6-19														
* No.2 & M2	MCALUA	6-19														
No.3 & M3	TEN TATERAKA	6-19														
TABOMBARA																
* No.1 & T1	BABANGAKI	6-														
No.2 & T2	TOANI TAKAIC	6-														
No.3 & T3	TEACTI NGAIJA	6-21/24 (little change)		faster & easier	Increased	Increased half hour	Increased	Yes	No	No	1hr by pushbike to Abakoro			Jealous		Decreased
* No.4 & T4	MAEUEA	6-21/24 (little change)		faster & easier	Increased	Increased half hour	Increased	Yes	No	No	1hr by pushbike to Abakoro			Jealous		Decreased
No.5 & T5	TABEIA	6-21/24 (little change)		faster & easier	Increased	Increased half hour	Increased	Yes	No	No	1hr by pushbike to Abakoro			Jealous		Decreased
No.6 & T6	TIRIBO	6-21/24 (little change)		faster & easier	Increased	Increased half hour	Increased	Yes	No	No	1hr by pushbike to Abakoro			Jealous		Decreased
KAINABA																
No.1 & K1	BIRIKAU TABONAI	6/7-														
* No.2 & K2	TAAKE TETALIA	22/19(20)	Fish gutting & saltine	faster & easier	Increased	Increased 1hr	Increased	Yes	No	No	3-4hours saved			Jealous		same
No.3 & K3	TEBUATEI ABEETE	7/6-23(22)		faster & easiest	Increased	Increased 1hr	Increased	Yes	No	No	Yes			Jealous		same
* No.4 & K4	UEANNA TEMAHAKA	7/6-23(22)		faster & easiest	Increased	Increased 1hr	Increased	Yes	No	No	Yes			Jealous		same

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*2 Figures in parenthesis are those surveyed in 1992 by JICA mission