PROJECT PROFILE #12

[]] "林阳阳离",自己注意自己。

Project Name: Plan for Migrant People to the Coastal Area Community: Palestina

**	Objectives	People	in D	lactic	, da l	00.4		ntent		11 1			,				mark	6.B
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2.	Number of Beneficiaries	About						~	ABREED	<u>a.</u>								
3.	Implementation Organization	Migran	t peop	le com	mittee	JICA	Study	Team							-			
١.	Project Contents												****					
	1) Project Outline	2) An prov 3) Prov agrid	 A base-line survey will be carried out for selected farmers to grasp and identify problems of living conditions such as health, sanitation, agricultural chemical contamination, etc. An educational training system will be established. And training programs will provide technical services on health control with migrant people. Provision of materials (simple water filter system, materials to prevent agricultural chemical contamination, seeds of repellent plant and simple toilet) for 															
	2) Facility / Activity	prev	enting			ple fro <i>ctivitie</i>		ases an	d con	tamina						110004		
		2) Trai 3) Trai 4) Prov	ool tea ining fo ining fo vision venting	center ers ble ary for	center and 10 1) NGO rrs 2) NGO/auxili le 3) NGO, auxil school teac			iary n liary n chers	urses									
	3) Organization for	5) Sett Non	5) Setting up committee 5) NGO						-									
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	O&M 4) Construction Period	1) Base 3) train and 5) 1	ing fo	r health	h pron	noters:	aining 1 mon	for stat th, 4) t	ff of h rainin	ealth g for	center migran	and sc t peop	hool te le: 2 n	achers				
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	4) Construction Period Project Cost Monitoring & Evaluation	3) train and 5) i 1) Cos 2) Trai 3) Othe Total co	ing fo monito t of ma ning (i er	r healtl ring: 2 aterials ncludi	h pron month to pre	noters: is went d e line :	1 mon iseases survey,	th, 4) t s and ca /monite	rainìn ontam oring).	g for	migran L	t peop	le: 2 n Q 180, Q 108, Q 31, Q 320,	420 771 229 420				
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	4) Construction Period Project Cost Monitoring & Evaluation <i>Item</i> 1) Use condition of water	3) train and 5) n 1) Cos 2) Trai 3) Oth Total con	ing fo monito t of ma ning (i er ost 2 ti	r health ring: 2 nterials neludin Freque	h pron month to pre ng bas <u>ency</u> 5 mont	noters: is went d e line s hs	1 mon iseases survey,	th, 4) t s and co /monito ata co	ntam ontam oring). //ector	g for	migran L	t peop	le: 2 m Q 180, Q 108, Q 108, Q 31, Q 320, gation	420 771 229 420	<u>D</u> JI	CA Sh	to blood with name	am
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	 4) Construction Period Project Cost Monitoring & Evaluation <i>Item</i> 1) Use condition of water and toilet 2) Use condition of mater agri. chem. contaminat 3) Growing condition of r plants 	3) train and 5) r 1) Cos 2) Trai 3) Othe Total con filter rials for ion	ing fo monito t of ma ning (i er 2 ti 2 ti 2 ti 2 ti	r health ring: 2 nterials netudin <i>Freque</i> mes/15 mes/15 mes/15	h pron month to pre ng bas ency 5 mont 5 mont 5 mont	hoters: went d e line : hs hs hs	1 mon iseases survey,	th, 4) t s and ce /monite /monite /monite /monite NG	ntam ontam oring). //ecto 0 0	g for	migran L	Aggree NC NC	le: 2 n Q 180, Q 108, Q 31, Q 320, gation HO HO HO HO HO	420 771 229 420	<u></u> л л	CA Sh CA Sh CA Sh	udy Te udy Te udy Te	am am am
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	 4) Construction Period Project Cost Monitoring & Evaluation <i>Item</i> 1) Use condition of water and toilet 2) Use condition of mater agri. chem. contaminat 3) Growing condition of r plants 4) Number of morbidity Plan of Operation 	3) train and 5) r 1) Cos 2) Trai 3) Othe Total con filter rials for ion	ing fo monito t of ma ning (i er 2 ti 2 ti 2 ti 2 ti	r health ring: 2 nterials netudin <i>Freque</i> mes/15 mes/15 mes/15	h pron month to pre ng bas ency 5 mont 5 mont 5 mont	hoters: went d e line : hs hs hs	1 mon iseases survey,	th, 4) t s and ce /monite /monite /monite /monite NG	ntam ontam oring). //ecto 0 0	g for	migran L	Aggree NC NC	le: 2 n Q 180, Q 108, Q 31, Q 320, gation HO HO HO HO HO	420 771 229 420	<u></u> л л	CA Sh CA Sh CA Sh	udy Te udy Te udy Te	am am am
	 4) Construction Period Project Cost Monitoring & Evaluation <i>Itern</i> 1) Use condition of water and toilet 2) Use condition of mater agri. chem. contaminat 3) Growing condition of r plants 4) Number of morbidity Plan of Operation <i>Item</i> 	3) train and 5) i 1) Cos 2) Trai 3) Othe Total con refilter rials for ion repellent	ing fo monito t of ma ning (i er 2 ti 2 ti 2 ti 2 ti	r health ring: 2 aterials netudin <i>Freque</i> mes/15 mes/15 mes/15 2001	h pron month to pre- ng bas ency 5 mont 5 mont 5 mont	hoters: went d e line s hs hs hs hs	1 mon iseases survey, D	th, 4) t s and cc /monito monito NG NG NG	rainin ontam oring). (lector O O O O	g for ination	migran L	Aggre NC NC NC	le: 2 m Q 180, Q 108, Q 31, Q 320, gation 30 30 30 30 30	420 771 229 420	 Л(Л(CA Sh CA Sh CA Sh CA Sh	udy Te udy Te udy Te udy Te	am am am
	 4) Construction Period Project Cost Monitoring & Evaluation <i>Item</i> 1) Use condition of water and toilet 2) Use condition of mater agri. chem. contaminat 3) Growing condition of r plants 4) Number of morbidity Plan of Operation <i>Item</i> 1) Base-line survey 	3) train and 5) i 1) Cos 2) Trai 3) Othe Total con refilter rials for ion repellent	ing fo monito t of ma ning (i er 2 ti 2 ti 2 ti 2 ti	r health ring: 2 aterials netudin <i>Freque</i> mes/15 mes/15 mes/15 2001	h pron month to pre- ng bas ency 5 mont 5 mont 5 mont	hoters: went d e line s hs hs hs hs	1 mon iseases survey, D	th, 4) t s and cc /monito monito NG NG NG	rainin ontam oring). (lector O O O O	g for ination	migran L	Aggree NC NC NC 20	le: 2 m Q 180, Q 108, Q 31, Q 320, gation 30 30 30 30 30	420 771 229 420	 Л(Л(CA Sh CA Sh CA Sh CA Sh	udy Te udy Te udy Te udy Te	am am am

Schedule,

: Progress

PDM #12: Plan for Migrant People to the Coastal Area

Community:	Palestina	Target Group:	Migrantes in Palestina de Los Altos
Period:	Sep. 2001 ~ Dec. 2002	Implt. Organization:	ЛСА

November, 2							
Narrative Summary	Verifiable Indicators	Means of Verification	Important Assumptions				
Overall Goal 1. Poverty condition in central highland region will be mitigated.	 Poverty indicator of rural area will be improved up to the provincial average by 2015. 	1. FIS Poverty Indicator and monitoring on Farmers.	 There will be no drastic change in development policy of Guatemalan Government. 				
<i>Project Purpose</i>1. Health condition of the migrants will be improved.	1. Reduction of top-ten illness of migrants by 15 per cent.	 Result of sample survey on morbidity of migrants 	 Similar type of projects will be implemented in other neighboring communities. 				
 Outputs 1. Migrants use the water filter and obtain safe drinking water. 2. Migrants use pesticides properly and are free from diseases. 3. Migrants cultivate repellents plants. 4. Migrants prepare and use simple toilets and improve sanitary conditions. 5. Health personnel train migrants on the 4 subjects (safe water, pesticides, Malaria/Dengue & toilets) 	 80% of the migrants use water filter. 80% of the migrants use pesticides-precaution set. 80% of migrant perceive that there is repellent effect by plants. 80% of the migrants prepare toilets Number of mobility 	 Result of sample survey in the field 	1. The living condition of migrants does not change dramatically in the destination.				
 Activities 1. Use of safe water Provision of water filter Training* on use of water filter and general knowledge of safe water 2. Precaution of pesticide use Provision of precaution material (mask, grove, etc.) Training* on pesticide precaution and general knowledge on pesticides 3. Malaria/Dengue prevention Provision of seeds of anti-Malaria / Dengue plants. Training* on practical knowledge for prevention of tropical disease. 4. Sanitation Provision of simple toilets for migrants Training* on use of simple toilet and general knowledge on sanitary * Training will be conducted for Health Center, School teacher, Health Promoter and Migrants. 5. Provision of teaching materials to school teachers, health center and health promoter 	Inputs 1. Purchasing cost of necessary of the cost of	Q 108,771 Q 31,229	 Trained personnel in the health center and health promoters remain in Palestina in the following year. Trained school teachers remain in Palestina The destination of migrants do not change dramatically <i>Pre-conditions</i> The migrants in Palestina and fincas do not object the project. 				

Sustainability **Evaluation Summary** Efficiency Effectiveness Impact Relevance **Overall Goal** 1. Poverty condition in the central (\pm) There was no reduction (+) The demand that (\pm) Most of all migrants used highland region will be mitigated. of morbidity except migrants escape from materials and equipment contamination of contamination of against escape from Project Purpose agricultural chemicals in agricultural chemicals is contamination of 1. Health condition of the migrants (+) No morbidity by the coastal area. still very high. agricultural chemicals in will be improved. contamination of (\pm) Use of equipment of the coastal area due to agricultural chemicals in Use of equipment except portable toilet and in the their convenience of the coastal area was one against Palestina model area transportation and full observed. contamination of brought about sanitary understanding of positive agricultural chemicals did (-) Health and sanitary improvement in model effects against not always accord with improvement except area and convenience of contamination. actual requirement of the contamination of living of people regarding (-) Other materials and migrants. agricultural chemicals is water use. equipment were not used not yet achieved. **Outputs** in the coastal area by 1. Migrants use the water filter and (-) Over 90% of the total most of migrants and there will be low obtain safe drinking water. migrants didn't use water possibility of using these 2. Migrants use pesticides properly filters in the coasta. and are free from contamination (+) Most of the migrants materials and equipment. managed agro-chemical of agricultural chemicals 3. Migrants cultivate repellent by use of equipment & plants. materials to avoid 4. Migrants prepare and use simple contamination. toilets and improve sanitary (-) Only 2% of the total conditions migrants cultivated 5. Heath personnel train migrants on repellent seeds in the the 4 subjects (safe water, coastal area and all seeds pesticides, Malaria/dengue and could not grow. (-) Over 90% of the toilets) migrants did not use portable toilets in the Inputs coastal area. 1. Necessary equipment (Q180,420) The training programs (+)2. Training & materials (Q108,771) were performed for 3. Other (Q31,229) about 130 migrants. 4. Total cost (320,420)

PCM Evaluation #12: Plan for Migrant People to the Coastal Area

OVERALL EVALUATION #12 Plan for Migrant People to the Coastal Area

Criteria	Result	Basis
Efficiency	Low	 Most of migrants used material and equipment against contamination of agricultural chemicals. No reduction of morbidity was observed, because over 90% of migrate people did not use water filters, portable toilets and seeds of repellant plants.
Effectiveness	Partly achieved	 No morbidity by contamination of agro-chemicals in the coastal area was observed because of use of mask, gloves, raincoats and boots Health and sanitary improvement except contamination of agro-chemicals were not yet achieved because most migrants did not bring water filters, portable toilets and seeds of repellent plants to the coastal area.
Impact	Positive impact was observed.	 It is considered that health improvement regarding escape from contamination of agro-chemicals contributed to the improvement of living environment. There was no reduction of morbidity except contamination of agricultural chemicals. Sanitary improvement was found in Palestina de Los Altos. Use of dismantled water filter that plays an important role in convenience of living of people is observed.
Relevance	Medium	 The demand that the migrant people (indigenous people) escape from contamination of agro-chemicals is still very high. Provision of training on treatment of agro-chemicals and distribution of equipment for preventing contamination was quite important for their health improvement. Use of equipment of water filters and portable toilets and seeds of repellent plants in the coastal areas for health improvement did not always accord with actual requirement of the migrant people.
Sustainability	Partly high	 Most of all migrants used materials/equipment against escape from contamination of agricultural chemicals in the coastal area due to their convenience of transportation and understood positive effects against contamination. On the other hand, over 90% of the migrant people did not bring equipment of water filters and portable toilet to the coastal area and did not use them.

	Most of migrants used materials and equipment against contamination of agro-chemicals in the coastal area. On the other hand, over 90% of migrants did not use water filters, portable toilets and seeds of repellant plants. As a result, no reduction of morbidity except contamination of agricultural chemicals was observed.
Conclusion	Use of portable toilets and dismantled water filters were observed in Palestina and actual requirement of the migrants did not accord with health improvement in the coastal area as original purpose.
	The demand that the migrant people (indigenous people) escape from contamination of agricultural chemicals is still very high. However, the demand for use of safe water and better sanitary does not appear low. Only reduction of morbidity due to contamination of agricultural chemicals will be expected in the future.
	Based on the result of the above evaluation, the project is assessed to be low to medium in terms of efficiency, effectiveness, and relevance.

Recommendation [Responsible agency]	 It is recommended that more portable and adequate alternative ways for water filters and portable toilet should be studied and selection of varieties of repellent plants should be researched. [MAGA] It is also recommended that the following monitoring should be performed to evaluate this project and identify problems. [MAGA] a) Monitoring period: once a year, for three years b) Monitoring items: (1) status of use of water filters, portable toilet and equipment against agricultural chemicals in the coastal area and in the model area, (2) the number of farmers who go down to the coastal area and to the U.S.A. and (3) the number of morbidity in the coastal area.
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PROJECT PROFILE #13

Project Name:	Municipality Community Health Activity Plan
Community:	Palestina

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Objectives		er better														
	and village level, by selling PROAM drugs at Municipal Pharmacy Unit															
	located in villages; as well as offer sustainable health education program to the community.								ŗam							
. Number of		timately	5	ersons	in 32	5 hous	ehold	s in 5	villao	ies.						
Beneficiaries	rppioz	linatery	5,000 p	0130113	111 52	J nous	citota	5 11 5	vinag	,03.						
B. Implementation	Health	Commi	ittee of	Los (Cabre	ra and	1 Los	Diaz	z. He	alth C	Center	and				
Organization		pality/Л(, .							
. Project Contents																
1) Project Outline		ice cheaj														
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2) Facility / Activity	health o		lities/A	ctivitic	20		•	<i>],</i>	mnlor	nenta	tor					
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		comoter '							h Cen							
		uxiliary F			ning					l Phar	macis	t				
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3) Organization for	Health	committ	tee, Hea	alth Cei	nter ai	nd Mu	nicipa	ılity.								
O&M	1 month training Amilian Diamarity 2 - 1									-a 1						
4) Construction Period		4 month training Auxiliary Pharmacist, 3 weeks training promoters, 1 month construction MPU.									8, 1					
5. Project Cost	1) Equipment MPU															
	2) Drug Input Q 22,932.00															
	3) Training Q 30,850.00															
	Total Cost								L							
6. Monitoring & Evaluation	'n					-1	-114	~ "		A			D -			
Item	1	Frequency				Data collector Aggregation				n	Decision Maker					
 Drug sales and stock of Health education participation 					H. committee Municipality H. committee Health center					Study Team Study Team						
3) Amount and use of m					H. committee H. committee					Study Team						
reserved by health con										Study Team						
4) Participation of health					Municipality Study Team					Study Team						
in education session							L									
7. Plan of Operation		200	01							20	02					
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1) Training																
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4) sale of medicine																
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5) Monitoring																

PDM #13: Municipality Community Health Activity Plan

Community:	Palestina	Target Group:	People in relevant communities
Period:	Sep. 2001 ~ Dec. 2002	Implt. Organization:	Municipality, Health Center, Municipal
	-		Pharmacy, Health Committee, Health
			Promoter

Overall Goal 1. Poverty condition in central highland region will be improved up to mitigated. 1. Poverty indicator of rural area will be improved up to the provincial average by 2015. 1. FIS Poverty Indicator and monitoring on Farmers. 1. There will b change in de policy of Gu Government <i>Project Purpose</i> 1. Reduction of particular morbidity rate. 1. Reduction of particular morbidity rate. 1. Medical statistics at Municipal Planning utility and vaccination rate. 1. Medical statistics at Municipal Planmacy more than Qool / month / MPU and private pharmacies. 1. Similar type be implement or comparison of MPU and funcipal Planmacy more than Q800 / month / MPU. 1. Accounting record of MPU and Municipal Planmacy more than Q800 / month / MPU. 1. Accounting record of MPU and Municipal Planmacy more than Q800 / month / MPU. 1. Accounting record of MPU and Municipal Planmacy more than Q800 / month / MPU. 1. Accounting record of MPU and Municipal Planmacy more than Q800 / month / MPU. 1. Accounting record of MPU and Municipal Planmacy more than Q800 / month / MPU. 1. Accounting record of MPU and Municipal Planmacy and accounting is kept appropriately. 1. Mumber of health promoters in active does not reduce. 1. Montoring by health committee and municipality 1. Supply of d PROAM is S. Sales of dm in auxiliary pharmacist - 5 days on health education & first aid 1. Supply of d PROAM is S. Sales of MPU. 4. Inroduction of Acaliary pharmacy is an initial cost for drug inputs and initial				November, 2002
1. Poverty condition in central highland region will be improved up to mitigated. 1. Poverty indicator of rural area will be improved up to provincial average by 2015. 1. FIS Poverty Indicator and monitoring on Farmers. 1. There will be opolicy of G Government Project Purpose 1. People will have sufficient knowledge on health and hygiene. 1. Reduction of particular morbidity rate. 1. Medical statistics at Municipal Planning utility and vaccination rate. 1. Medical statistics at Municipal Planning utility and vaccination rate. 1. Similar type be implement or furral health service quality. 1. Drugs are available at cheap price as well as first aid treatment at the village level 1. Drugs are sold at MPU and Municipal Pharmacy more than Q800 / month/ MPU. 1. Accounting record of MPU and Municipal Pharmacy more than Q800 / month/ MPU. 1. Accounting record of MPU and Stock control record 1. There will be ducation by health education program is conducted at trouge level 1. Incentives for health education program is conducted at trouge nevolving drug find. 1. Accounting record of MPU and Stock control record 1. There will be inclease. 1. There will be inclease. 1. Similar type health education in crease. 2. Demand for drugs of the health promoters in active does not reduce. 1. Accounting the province of the province of the province is asset in a training cost of an auxiliary pharmacist and promoter sand health committee members 1. Supply of drug province of the province is asset in a training cost of remain private and municipality 1. Supply of drug province of the province of thealth promoters 4.	Narrative Summary	Verifiable Indicators	Means of Verification	Important Assumptions
1. People will have sufficient knowledge on health and hygiene. 1. Reduction of particular morbidity rate. 1. Medical statistics at Municipal level 1. Similar type be implement for much health and phygiene. 2. Improvement of rural health service quality. 1. Drugs are family planning utility and vaccination rate. 1. Distance, time and cost saved to buy drugs. 2. Sample survey in the 5 communities 1. Similar type be implement orightoring r project. 0utputs 1. Drugs are available at cheap price as well as first aid treatment at the village level 1. Drugs are sold at MPU and Municipal Pharmacy more than Q800 / month/ MPU. 1. Accounting record of MPU and Q800 / month/ MPU. 1. Accounting record of MPU and Q800 / month/ MPU. 1. Accounting of health education increase. 3. Stock is controlled accurately and accounting is kept appropriately. 1. Number of health promoters in active does not reduce. 3. Monthly accounting and stock control record 2. Demand for drastically result willing plannicipality 4. Incentives for health promoters are sustained through revolving drug fund. 1. Training cost of an auxiliary pharmacist and promoter candidates 1. Training cost of an auxiliary pharmacist and promoter sand health gromoters and health gromoters and health promoters and health gromoters and health promoters and health gromoters and health promoters and health prom	1. Poverty condition in central highland region will be	area will be improved up to the provincial average by		 There will be no drastic change in development policy of Guatemalan Government.
1. Drugs are available at cheap price as well as first aid price as well as first aid price as well as first aid process and municipal Pharmacy more than Q800 / month/MPU. 1. Accounting record of MPU and Municipal Pharmacy more than Q800 / month/MPU. 1. Accounting record of MPU and Municipal Pharmacy more than Q800 / month/MPU. 1. Accounting record of MPU and Municipal Pharmacy more than Q800 / month/MPU. 1. Accounting record of MPU and Municipal Pharmacy more than Q800 / month/MPU. 2. Participants in health education increase. 2. Monitoring of health education increase. 2. Monitoring of health promoter 3. Monthly accounting and stock control record 3. Monthly accounting and stock control record 3. People's inti willingness thealth education in crease. 3. Monthly accounting and stock control record 4. Monitoring by health committee and municipality 3. People's inti willingness thealth education in crease. 4. Monitoring by health committee and municipality 5. People's inti willingness thealth education in crease. 5. Monthly accounting and stock control record 4. Monitoring by health committee and municipality 5. People's inti willingness thealth education in crease. 5. People's inti willingness thealt	 People will have sufficient knowledge on health and hygiene. Improvement of rural health 	morbidity rate.Increase of family planning utility and vaccination rate.Distance, time and cost	Municipal levelSample survey in the 5 communitiesCost and distance comparison of MPU and	 Similar type of projects will be implemented in other neighboring communities with utilizing the monitoring results of this project.
 Establishment of health committee Selection of auxiliary pharmacist and promoter candidates Training of 1 auxiliary pharmacist and 2 health promoters and health committee members Initial cost for drug inputs and initial	 Drugs are available at cheap price as well as first aid treatment at the village level Drugs at Municipal Pharmacy become cheaper by introduction of PROAM Regular health education program is conducted at village level Incentives for health promoters are sustained through revolving drug 	 Municipal Pharmacy more than Q800 / month/ MPU. Participants in health education increase. Stock is controlled accurately and accounting is kept appropriately. Number of health promoters 	 and Municipal Pharmacy Monitoring of health education by health promoter Monthly accounting and stock control record Monitoring by health 	 Demand for drugs is not drastically reduced. People's interest and willingness to participate in health education is
drugs and first aid treatmentpromoters ain the villagepharmacist6. Monthly health educationcertain criteby promoters and healthand they are	 Activities 1. Establishment of health committee 2. Selection of auxiliary pharmacist and promoter candidates 3. Training of 1 auxiliary pharmacist and 2 health promoters and health committee members 4. Introduction of cheaper PROAM drugs at Municipal pharmacy 5. Installation of Minimal Health Unit in charge of selling cheap PROAM drugs and first aid treatment in the village 6. Monthly health education by promoters and health center 7. Monthly supervision of 	JICA side 1. Training cost of an auxiliary p - Course for 200 hours by CE 2. Training cost of ten health Pr who will be in charge of MPU - 10 days on pharmaceutical i - 5 days on health education a 3. Initial cost for drug inputs and 4. Provincial equipment 5. Building cost of MPU	GIMED Q 19,200 omoters Q 5,700 issues, Q 5,700 & first aid Q 22,883 d initial Q 6,209 Q 26,100 Total Cost: Q 80,092	 Supply of drugs from PROAM is stable. Sales of drugs are sufficient in order to give incentives to health promoters. <i>Pre-conditions</i> Cooperation and good coordination among municipality, municipal pharmacy and health center are sustained. Candidates for health promoters and auxiliary pharmacist who will meet certain criteria are available and they are able to attend the training courses.

PDM #13: Municipality Community Health Activity Plan

Evaluation Summary	Efficiency	Effectiveness	Impact	Relevance	Sustainability
 Overall Goal Poverty condition in the central highland region will be mitigated. Project Purpose People will have sufficient knowledge on health and hygiene. Improvement of rural health service quality. 		 (+) Establishment of health committee and good management system of MPUs was observed. (+) Reduction of mordibity. 	 (+) Community people as well as out side people reduced the medical expense and transportation fee. (+) Surrounding areas also enjoy the cheaper price of thread. 	 (+) The demand of cheaper drugs in the communities is still high and provision of cheaper drugs is very important for improvement for health service quality. (+) It is expected that sufficient knowledge on health and hygiene is 	 (-) Amount of sale of drugs and incentives to health promoters are small. (-) Burden of health promoter is heavy.
 Outputs Drugs are available at cheap price as weak as first aid treatment at the village level. Drugs at municipal pharmacy become cheaper by introduction of PROAM. Regular health education programs are conducted at village level. Incentives for health promoters are sustained through revolving drug fund. Inputs Equipment MPU (Q32,309) Drug inputs (Q 22,883) Training (Q24,900) Total (Q80,092) 	 (+) Drugs were available at cheap price as well as at community level. (+) Drugs at municipal pharmacy became cheaper by introduction of PROAM. (+) Regular health education programs were conducted. (-) Incentives for health promoters were sustained through revolving drug fund, but were small 			highly required in the community people.	

OVERALL EVALUATION #13 Municipality Community Health Activity Plan

Criteria	Result	Basis
Efficiency	High	 Drugs were available at cheap price as well as first aid at community level. Drugs at municipality pharmacy became cheaper by introduction of PROAM. It was observed that regular health education programs were conducted at community level. Incentives for health promoters were given through introduction of revolving drug fund system, but incentives are small.
Effectiveness	Achieved	 Establishment of health committee and good management system of MPUs was observed. Reduction of morbidity.
Impact	Positive impact was observed.	 Community people as well as out side people reduced the expense by getting cheaper drugs and saved transportation free. From a revenue of the MPU, health committees had their own fund and utilized fund for health service activities, support to the medical attention in MPUs, and so forth. In the future, it is expected that such health services activities arranged by the health committee will be increase as increase of the sale of MPUs.
Relevance High		 The demand of cheaper drugs in the communities is still high and provision of cheaper drugs is very important for improvement of rural health service quality. It is expected that sufficient knowledge on health and hygiene is highly required in the community people.
Sustainability	Relatively high	Amount of sale of drugs and incentives to health promoters are small.Burden of health promoters is heavy

	Improvement of quality of health services in the communities was achieved by good management of established revolving drug fund system of PROAM that played a role in supply of cheaper drugs and regular health education.									
Conclusion	Various impacts such as reduction of medical expenses of the local people and promotion of activities for health service and so forth occurred.									
	Since amount of sale of drugs and incentives of health promoters, however, are small at present, burden of health promoters is very heavy. Then, it is necessary to increase amount of sale of drugs and incentives of health promoters in view of project sustainability.									

	It is recommended for sustainable operation of this project that advertisement for sale of drugs of MPUs should be reinforced for the local people outside of the model area and migrant people to the coastal area. <i>[Municipality pharmacy]</i>
Recommendation [Responsible agency]	It is also recommended that the health development committee should continue doing the following monitoring for proper operation of MPUs. <i>[Health development committee]</i>
	a) Monitoring period: monthly basis, for three years
	b) Monitoring items: (1) stock inventory of MPUs and (2) financial condition of MPUs.

PROJECT PROFILE #14

Project Name: Water Quality Improvement Plan for the Existing Drinking Water Community: Palestina

ltem						Coi	ntent	s							Re	mark	s			
1. Objectives									nmunit llation			s thr	ough							
2. Number of Beneficiaries	Users	of pres	sent po	otable	water	r suppl	ly syst	em:	106											
3. Implementation	Water	Comm	nittee																	
Organization																				
 Project Contents 																				
1) Project Outline	injecte People	Sterilizer will be installed to the water tank and hypo chlorinate will be injected into the potable water in order to eliminate bacteria. People education will be conducted so that people use improved water continuously and pay necessary expense for the operation of sterilizer.																		
2) Facility / Activity		F	aciliti	es/Ac	stiviti	00				Imple	mont	ator								
2) Facility / Activity	1) Hv	po chlo							Contra		nema	101								
	$\begin{array}{c} 1) 11y \\ 2) Pec \end{array}$				ing	5 unit			Water (ittee (under	• the							
	_) _ (, pro e a	avatio						supervi team)											
3) Organization for O&M		Water Committee																		
4) Construction Period	of hou	1.5 months (Period necessary for installation of sterilizer and construction of houses)																		
Project Cost	1. Hy	po chl	orinate	es / m	ateria	ls				•••••	Q 2	4,647		After use of initial hypo chlorinate,						
6. Monitoring & Evaluati	Total													Palestina de los Altos municipality will provide it to this project.						
							,													
Item			requ				ita co		ector Aggregation						Decision Maker					
1) Users of improved w	ater	Every	/ 3 mo	onths		Wate	r Com	mitte	ee	Wate	r Con	nmitte	e	Stud	у Теа	m				
2) Operation status of sterilizer		Mont	hly			Wate	r Com	mitte	ee	e Water Committee					у Теа	m				
3) Number of diarrhea p	oatient	Every	/ 3 mc	onths		Water Committee Water Com						nmitte	e	Stud	у Теа	m				
4) Simple water quality	test	Every	year			Wate	r Com	mitte	ee	Wate	r Con	nmitte	e	Stud	y Tea	m				
7. Plan of Operation			2001								20	02								
Item	08	09	10	11	12	01	02	03	04	05	06	02	08	09	10	11	12			
1) Purchase of equipme																				
2) Installation of sterilize	er																			
3) People education																				
4) Monitoring			Δ	Δ	Δ		Δ	Δ		Δ	Δ	Δ	Δ		$\stackrel{\triangle}{\blacktriangle}$					
	Schedule,					: Prog	ress			<u> </u>			<u> </u>	<u> </u>			<u> </u>			

PDM #14: Water Quality Improvement Plan for the Existing Drinking Water

Community:	Palestina	Target Group:	People in relevant communities
Period:	Sep. 2001 ~ Dec. 2002	Implt. Organization:	Municipality, Health Center, Municipal
	-		Pharmacy, Health Committee, Health
			Promoter

			November, 2002
Narrative Summary	Verifiable Indicators	Means of Verification	Important Assumptions
Overall Goal 1. Poverty condition in central highland region will be mitigated.	1. Poverty indicator of rural area will be improved up to the provincial average by 2015.	 FIS Poverty Indicator and monitoring on Farmers. 	1. There will be no drastic change in development policy of Guatemalan Government.
 Project Purpose 1. Health condition of inhabitants in Palestina is improved. 	1.Morbidity of water-borne diseases in Palestina is reduced.	 Interview survey of potable water users. Number of water-bone disease patients (such as diarrhea) in the health post. 	1. Similar type of projects will be implemented in other communities by utilizing monitoring results of the project.
 Outputs 1. Quality of potable water is improved. 2. Beneficiaries use improved potable water. 3. Sterilizer is properly maintained. 	 No colon bacillus is detected in potable water. There is no reduction in the number of water user. Sterilizer is constantly in operation. 	 Simple water quality test. Monitoring on potable water user. Number of operating days of sterilizer. 	1. There is no chemical contamination occurs in potable water.
 Activities 1. Education on use of improved water is made for beneficiaries through water committee. 2. Sterilizer is installed to the water supply system. 3. O&M and fee collection of the sterilizer are made by water committee. 	Inputs JICA side 1. Hypo chlorinates / materia 2. House construction Total Cost <u>Guatemalan side</u> 1. Land for house	Q 120,326 Q 144,973	 Installation of sterilizer is made with the consensus of community. No disaster that damages water system occurs such as earthquake. <i>Pre-conditions</i> There is no strong objection to the installation of sterilizer.

PCM Evaluation #14:

Water Quality Improvement Plan for the Existing Drinking Water

Evaluation Summary	Efficiency	Effectiveness	Impact	Relevance	Sustainability
 Overall Goal Poverty condition in central highland region will be mitigated. Project Purpose Health condition of inhabitants in Xeatzan Bajo is improved. 		(+) It is expected that health condition will be improved by the treatment of water, however, a certain period is necessary to identify it.	(-) Some people noted a strange smell of the treated water. But those people were using the treated water.	 treatment, poverty and health are essential for human life. (+) The treatment of potable water is one of important items in the rural development of 	 (+) Obligation of the treatment of potable water had been legalized in Guatemala. Thus financial and technical assistance are continuously expected from the municipality. (+) As time elapse, the
 <i>Outputs</i> 1. Quality of potable water is improved. 2. Beneficiaries use improved potable water. 3. Sterilizer is properly maintained. <i>Inputs</i> 1. Hypo chlorinates dispenser and materials(Q 4,337) 2. House construction(Q 16,847) 	 (+) Quality of potable water was improved. (+) Potable water was used by all the beneficiaries. (+) Quality and quantity of manpower, material, and cost were properly input for the implementation of the project. 			Guatemala.	 (+) As thile chapse, the benefit of the treated water will be identified by the people, and the necessity will be recognized. (+) The water committee learned how to maintain the sterilizer system very well.

OVERALL EVALUATION #14 Water Quality Improvement Plan for the Existing Drinking Water

Criteria	Result	Basis
Efficiency	High	- Water quality was certainly and immediately improved.
Effectiveness	Will achieved later	- Number of patient of water born diseases is expected to be reduced, but it take certain time for identifying it.
Impact	Negative impact	- Some people noted a strange smell of the treated water. But those people were using the treated water.
Relevance	High	- The treatment of potable water is one of important items in terms of rural development of Guatemala.
Sustainability	High	 Assistance of the municipality can be received from now on. The water committee learned how to maintain the sterilizer system very well.

Conclusion The water quality was improved immediately after installation of the sterilizer. However to benefit of the project could not be observed quickly and clearly. The municipality starts involve the water treatment recently and they has intention to support the project continuously. Recommendation [Responsible agency] The following items should be monitored with high priority. After 1 year; condition and operation status of the sterilizer. [Municipality] MAGA]										
	The following items should be monitored with high priority.									
Recommendation	- After 1 year; condition and operation status of the sterilizer. [Municipality]									
[Responsible agency]	- After 1 year; status of municipality's assistance (supply of the chemical materials). [MAGA]									
	- After 5 years; condition and operation status of the sterilizer. [Municipality]									

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ATTACHMENTS

ATTACHMENT 1

Scope of Works

AMENDMENT

OF

SCOPE OF WORK

FOR

THE MASTER PLAN STUDY ON SUSTAINABLE RURAL DEVELOPMENT FOR

THE REDUCTION OF POVERTY

ÍN

THE CENTRAL HIGHLAND REGION

OF

THE REPUBLIC OF GUATEMALA

AGREED UPON BETWEEN MINISTRY OF AGRICULTURE, LIVESTOCK AND FOOD THE REPUBIC OF GUATEMALA

AND

THE JAPAN INTERNATIONAL COOPERATION AGENCY

Guatemala City, 5 March 2001

Mr. Ricardo Santa Cruz Rubi Vice-minister Ministry of Agriculture, Food and Livestock

Mr. Hiroto Mitsugi Leader of Advisory Study Team Japan International Cooperation Agency

Mr. Jorge Mario Calvillo Sub-secretary for International Cooperation for Development Secretary of Planning and Program of the Presidency SEGEPLAN

INTRODUCTION

According to the Scope of Work (hereinafter referred as "S/W") dated on 29, July 1999 for the Master Plan Study on Sustainable Rural Development for the reduction of Poverty in the Central Highland Region of the Republic of Guatemala (hereinafter referred as "the Study"), the study has been carried out in close collaboration between Japanese side and Guatemalan side.

During the course of the study, both sides have recognized the necessity of the verification study in order to prove the viability of plans and reveal unforesceable restrictions, if any, for finalization of the M/P. Furthermore, the efficacy of the verification study would be mentioned as recommendation of the final report of the study.

As a result, Japan International Cooperation Agency (hereinafter referred to as JICA) will undertake the verification study as a part of the Study.

In response to the request signed by Vice Minister of Ministry of Agriculture, Food and Livestock, the Republic of Guatemala (hereinafter referred as MAGA) dated 6 February 2001, the present document amends the following items to the S/W with regard to the verification study.

II. SCOPE OF THE VERIFICATION STUDY

The verification study will be carried out in accordance with the tentative schedule as shown in VI (the schedule is tentative and subject to be modified if such necessity should arise during the course of the study and both parties agreed).

In order to achieve the objectives stated in the S/W, the verification study will mainly take the following approaches:

- Increase of income by agriculture promotion and rural house-hold industry development.
- 2. Improvement of living conditions such as health service, sanitation and water supply, and
- 3 Conservation and effective use of natural resources

It should be noted that the details of each item would be determined during the verification study based upon the latest natural, economic, social and technical conditions of the study area.

III. REPORTS

JICA prepares and submits the following reports to the MAGA of the Republic of Guatemala.

- Inception Report of the Verification Study
 Five (5) copies in English and thirty (30) copies in Spanish at the inception of the
 Verification Study.
- Monitoring Report (s)
 Five (5) copies in English and thirty (30) copies in Spanish at the course of the verification study. The reports will be submitted periodically depending on the necessity
- Midtern Evaluation Report:
 Five (5) copies in English and thirty (30) copies in Spanish after the midterm evaluation.
- Evaluation Report:
 Five (5) copies in English and thirty (30) copies in Spanish after the final evaluation.
- Draft Final Report of the Verification Study:
 Five (5) copies in English and thirty (30) copies in Spanish after the final evaluation

Guatemalan side shall submit written comments on the Draft Final Report to JICA within one month after receiving the reports

- Final Report of the Verification Study
 Five (5) copies in English and fifty (50) copies in Spanish within two months after the reception of comments on the Draft Final Report from Guatemalan side
- IV. LANGUAGE

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In any divergence arises about interpretation of this Amendment of Scope of Work, which is done in English and Spanish, the English text shall prevail.

V. OTHERS

Other conditions shall be based upon the S/W.

VI. Tentative Schedule for Verification Study

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Work in Guaternala																			0		
Work in Japan																				\square	
Reports	$ \Delta $				Δ				$ \Delta $				Δ			Δ		Δ			$ \Delta $
	ЮR				11 78				40/10				MR			E/R		DF/R			F∕₽

^{1C/R} : Inception Report

M/R(1): Monitoring Report-1

MER: Midterm Evaluation Report

M/R(2) : Monitoring Report-2

ER : Evaluation Report

DF/R : Draft Final Report

F/R : Final Report

^O: Comments on DF/R by the Guatemalan side

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ENMIENDA

ALOS

ALCANCES DE TRABAJO

PARA

EL ESTUDIO DEL PLAN MAESTRO SOBRE DESARROLLO RURAL SOSTENIBLE

PARA LA REDUCCION DE LA POBREZA

EN

LA REGION DEL ALITPLANO CENTRAL

DE

LA REPUBLICA DE GUATEMALA

ACORDADO ENTRE

EL MINISTERIO DE AGRICULTURA, GANADERIA Y ALIMENTACION

DE LA REPUBLICA DE GUATEMALA

Y

LA AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON

Ciudad Guatemala, 5 de marzo del 2001

Ing. Ricardo Santa Cruz Rubi Viceministro Ministerio de Agricultura, Ganadería y Alimentación

Si, Hiroto MITSUGI Líder del Equipo Asesor del Estudio Agencia de Cooperación Internacional del Japón

Lie. Jorge Mario Calvillo Sub-secretario de Cooperación Internacional para el Desarrollo Secretaria de Planificación y Programa de la Presidencia SEGEPLAN

1. INTRODUCCION

De acuerdo a los Alcances del Trabajo (en lo adelante referido como "S/W") de fecha 29 de Julio 1999 para el Estudio del Plan Maestro Sobre Desarrollo Rural Sostenible para la Reducción de la Pobreza en la Región del Altiplano Central de la República de Guatemala (en lo adelante referido como "el Estudio"), el Estudio ha sido realizado en estrecha colaboración entre las partes Japonesa y Guatemalteca.

Durante el curso del Estudio, ambas partes han reconocido la necesidad de un estudio de verificación para comprobar la viabilidad de los planes e identificar restricciones que no se hayan previsto, si las hubicre, para la finalización del P/M. Además, la eficacia del estudio de verificación sería mencionada como una recomendación del Informe Final del Estudio.

Como resultado, la Agencia de Cooperación Internacional del Japón (en lo adelante referido como "JICA") realizará el estudio de verificación como parte del Estudio.

En respuesta a la solicitud firmada por el Vice-ministro del Ministerio de Agricultura, Ganadería y Alimentación de la República de Guatemala (en lo adelante referido como "MAGA") de fecha 06 de Febrero 2001, el presente documento enmienda los siguientes puntos del S/W en lo relativo al estudio de verificación.

II. ALCANCES DEL ESTUDIO DE VERIFICACION

El estudio de verificación se realizará de acuerdo al plan tentativo como se muestra en VI (el plan es tentativo y sujeto a ser modificado si se presenta la necesidad durante el curso del estudio y si ambas partes lo acuerdan).

Para alcanzar los objetivos expresados en los S/W, el estudio de verificación tomará principalmente los signientes enfoques:

- aumento de los ingresos por medio del desariollo de la agricultura e industria a nivel familiar,
- nicjoramiento de las condiciones de vida, tales como servicios de salud, sanidad, y suministro de agua, y

3. conservación y uso efectivo de los recurso naturales.

Es necesario apuntar que los detalles de cada uno de estos aspectos se determinarán durante el estudio de verificación basado en las finales condiciones naturales, económicas, sociales y técnicas del área de estudio.

III. INFORMES

JICA prepara y entrega los siguientes informes al MAGA de la República de Guatemala.

- Informe Inicial del estudio de Verificación:
 Cinco (5) copias en Inglés y Treinta (30) copias en Español al inicio del estudio de Verificación
- Informe(s) de Monitoreo:
 Cinco (5) copias en Inglés y treinta (30) copias en Español durante el transcurso del estudio de Verificación. Los informes serán entregados periódicamente dependiendo de la necesidad.
 - Informe de Evaluación de Medio término:
 Cinco (5) copias en Inglés y treinta (30) copias en Español después de la evaluación de medio término.
 - 4. Informe de Evaluación:
 Cinco (5) copias en Inglés y treinta (30) copias en Español después de la evaluación final.
 - 5. Borrador del Informe Final del Estudio de Verificación: Cinco (5) copias en Inglés y treinta (30) copias en Español después de la evaluación final. El lado Guatemalteco deberá suministrar por escrito sus comentarios sobre el Borrador del Informe Final a fICA en un período dentro de un mes después de recibir el informe.
 - 6 Informe Final del Estudio de Verificación:
 Cinco (5) copias en Inglés y Cincuenta (50) copias en Español dentro de

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dos meses después de recibir desde el lado Guatemalteco los comentarios sobre el Borrador del Informe Final.

IV. IDIOMA

Si surgiere alguna divergencia en la interpretación de esta Enmienda de los Alcances de Trabajo, el cual se prepara en Inglés y Español, el texto en Inglés deberá prevalecer.

V. OTROS

Otras condiciones deberán basarse en los S/W.

VI. PLAN TENTATIVO DEL ESTUDIO DE VERIFICACION

Mes	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Tirabajo en Guatemala																			0		
Trabajo en Japón Informe	Δ				Δ				Δ				Δ					Δ]	Δ
	и	ŀ		Į	ŀΜQ	,			1/EM				i/M(2)		1Æ		DAIL:			1/F

- I/I : Informe Inicial
- M(1) : Informe de Monitoreo (1)
- I/EM : Informe de Evaluación de Medio termino
- 1/M (2) : Informe de Monitoreo (2)
 - 1/E : Informe de Evaluación
 - B/IF : Borrador del Informe Final
 - 1/F : Informe Final
 - O: Comentarios al B/IF por el lado Guatemalateco

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