

YMCA
Integrated Rural Development Project
1997-2000

U.S.AID Program /Lebanon
Cooperative Agreement No. HNE-A-00-97-00062-00

Semi Annual Report
(October 1, 1997 - March 31, 1998)

(April 15, 1998)



YMCA

We build strong kids,
strong families, strong communities

April 24, 1998

C D I E

U S Agency for International Development
1300 Pennsylvania Ave
Washington, D C 20523-4101

RE Semi-Annual Report YMCA Integrated Rural Development Project
Grant No HNE-A-00-97-00062-00

Dear Sir/Madam

Greetings from Chicago! Please find enclosed the Semi-Annual Report on the YMCA of the USA/YMCA of Lebanon's Integrated Rural Development Project (1997-2000) covering the first six months of the grant period from October 1, 1997 through March 31, 1998

We would like to take this opportunity to thank the U S Agency for International Development for the support provided to the YMCA

Sincerely,

Guathar Chan
Administrative Assistant
International Group

*This is a new
proj & we don't
have much for
Lebanon. Please
include - Dahan*

YMCA of the USA • 101 North Wacker Drive • Chicago, Illinois 60606
312-977-0031 • toll-free 800 872 9622 • fax 312-977-9063 • [http //www.ymca.net](http://www.ymca.net)

YMCA mission To put Christian principles into practice through programs that build healthy spirit mind and body for all

Table of Contents

- I- Summary
 - A Project Goal and Objectives
 - B Project Components

- II- Report Narrative
 - Current Project Status*
 - Status Report by Cluster*
 - Component (1) & (3) Rural and Environmental Infrastructure Development*
 - a- Sectoral Distribution*
 - b- Quantitative Program Achievements*
 - c- Program Impact Indicators*
 - Case Illustrations Health & Education Sector*
 - Case Illustrations Community Environmental Management*

 - Component (2) Agricultural Income Generation for Women*
 - Component (4) Civic Participation & Community Education*

- III- Level of Local Contributions /Cost Sharing

- IV- Collaboration with Other Institutions

- V- Identification of Problems and/or Delays in Project Implementation

- VI- Selected Program Photos

ANNEXES

- A Rural & Environmental listing of projects as at March 31, 1998
- B Detailed schedule of projects, cost “sharing” contribution and relative indicators as at March 31, 1998
- C Income generation for women - Agricultural List of training topics
- D Income generation for women - Agricultural List of home made products
- E Detailed listing of program activities by cluster as at March 31, 1998
- F Breakdown of cost sharing by project & type of local contributions as at March 31, 1998

I- Summary

A Project Goal and Objectives

The YMCA Integrated Rural Development Program in Lebanon is a three year project beginning October 1, 1997 and ending September 30, 2000. The implementation plan is scheduled for execution on a yearly basis.

The U S Agency for International Development (U S AID) is making available to the YMCA through a Cooperative Agreement dated September 30, 1997 the sum of U S \$ 5,773,844 over three years in support of this project. The YMCA expects to raise locally in the form of community self help donations, contributions of local governmental agencies and other partner PVOs the sum of U S \$ 1,884,242.

The goal of the YMCA Integrated Rural Development Program in Lebanon is to promote stability and sustainable socio-economic development in 6 targeted clusters of rural villages located in the Cazas of Akkar (2) Baalbeck (1), Bint Jbeil - Marjeyoun (1) Nabatyeh (1) and Rachaya - Hasbaya (1).

The Integrated Rural Development Program is addressing identified problems in rural Lebanon including uneven post - civil war economic recovery, lack of economic opportunities, rural to urban migration, environmental degradation and disintegrated structures of civic participation in rural areas.

A holistic cluster approach has been designed to provide targeted assistance for expanded economic opportunities and improved community service structures in the 31 rural villages covered in the selected clusters.

In both its design and implementation, the purpose of the program is to provide an integrated set of project activities designed in response to a baseline survey, to be implemented at the cluster level, in order 1) To mitigate the negative social and political consequences of uneven economic recovery 2) To lessen the trend of rural to urban migration 3) To promote local self reliance, tolerance and governance 4) To improve community awareness and practice of appropriate environmental management procedures.

B Project Components

A tailor cut, integrated set of project activities has been designed to meet the needs, as they were surveyed, in each cluster of rural communities. The overall impact of implementing these activities over a three-year period will be 1) Renewed and expanded economic opportunities for agricultural production, 2) Improved community viability and incentives for resettlement, 3) Increased opportunities and skills for women in income generating activities, 4) Increased effectiveness of community environmental management systems, and 5) Increased citizen participation in civil life.

The integrated set of project activities designed to meet the specific objectives cited above are embodied under the programs four major components.

Component (1) Rural Infrastructure Development & Rehabilitation

The project first and major component is subdivided into three major sectors.

Sector (a) involves the agricultural infrastructure of the targeted rural communities such as agricultural roads, bridges and irrigation infrastructure including canals, networks, reservoirs etc.

The expected output under this sector includes the rehabilitation - construction of the following 77kms of access roads, 6 agricultural bridges, 47,9 kms of irrigation canals, 3 rainfed pools, 4 irrigation dams, 4 irrigation reservoirs, 750 linear meters of retaining walls, cleaning of 5km of river beds and finally initiating a pilot fruit tree nursery project.

The anticipated and measurable impact of the completed outputs listed above will be 11,055 additional hectares of irrigated/ cultivated land in the 6 targeted clusters of rural communities.

Sector (b) involves the construction-rehabilitation of the public works infrastructure of the 6 targeted clusters of rural communities.

The integrated set of project activities has been designed to achieve the following set of measurable outputs: Construction/rehabilitation of 5 250 linear meters of drainage canals, installment of 37 kms of potable water and 500 linear meters of waste water networks, construction-rehabilitation of 12 water reservoirs, natural springs and 14 artesian wells.

The expected measurable impact of the completed project activities is improved public infrastructure for 5,175 families living in the 6 targeted clusters of rural communities

Sector (c) involves the equipment and rehabilitation of the health and education infrastructure of the 6 targeted clusters of communities

The integrated set of project activities under this sector will equip, rehabilitate, train and improve the capacities for rendering health and education services for 18 local health centers and 24 schools

The rehabilitated and improved physical structures of the facilities will provide an increased and higher level of quality health and education services and will insure the adequate set up for awareness campaigns in primary health care and environmental education

Component (2) Income generation for women - Agricultural

This component of the project provides training inputs and technical assistance to support women run cottage industries resulting in sustainable economic benefits for women and families in the remote rural villages. The anticipated output of this program component include the provision of 300 training days with a minimum of 25 women trainee per day in addition to the creation and setting up of a marketing and sales unit which will be in charge of creating the link between the women's groups (production) and the cities market (sales)

The expected economic benefits to be derived from this component will be the creation of additional sources of income for women involved in the cottage industries

Component (3) Community Environmental Management

This component is designed to address the problem of environmental degradation of land and water resources in the targeted rural communities. The inadequate local management of the generated solid and water waste is causing the contamination of the much needed ground and surface waters

The project activities under this component will include

- 1) implementation of effective low cost management systems (pilot projects) of solid and waste water collection, filtering and disposal
- 2) environmental awareness campaigns targeting youth and women mobilization and community action on the environment mainly through solid waste segregation and reforestation activities

The anticipated output of this program component will cover the reforestation of 20 hectares of land and the implementation of 6 community

pilot projects in solid waste and an additional 6 projects in water waste management systems

Component (4) Civic Participation and Community Education

Civic participation and community education forms an integral part of the overall project design and structure. The long-term sustainability of the benefits of the infrastructural projects is dependent upon an effective community process. Civic participation and community education activities have been designed to create awareness, promote dialogue and understanding of differences and aims at the change of people's attitude.

The anticipated output can be summarized as follows: a) the creation of new training materials in Arabic and b) the implementation of 90 events varying between conferences, workshops, seminars, etc.

II- Report Narrative : Current Project Status.

Project implementation began on schedule following the signing of the Cooperative Agreement with U.S. AID on September 30, 1997. The major actions taken within the first six months (October 1, 1997 - March 31, 1998) were as follows:

- 1 Administrative and managerial actions which included recruitment, orientation and training of key project staff e.g. cluster coordinators and field officers, technical, agricultural and civil engineers. An orientation program was followed by systematic supervisory and training sessions focused on implementation at the field level in compliance with project document provisions and requirements.
- 2 Preparation of logistical operation support to insure smooth, efficient and successful intervention in the remote areas, clusters using the integrated out-reach approach in the implementation of the project activities.
- 3 Promotion of the Integrated Rural Development project with all parties concerned, on the local and on the national level, through extended meetings with the various leaderships, technical ministries, and the cluster inhabitants to recruit them as partners in the development and the implementation of the projects on the field level.
- 4 Assistance in the selection process of the village local committees and sub-committees in order to insure a well balanced representation of all concerned.
- 5 Training of the selected village committees on the Rural Development Program scope in order to insure their participation in supervision, coordination and implementation of the project activities for the long term sustainability of benefits.

- 6 Conducted an in-depth survey of the targeted communities in order to (1) recruit possible women trainees for the cottage industry /food processing techniques (2) conclude technical and engineering assessment of the problems, the needs and the proposed line of activities coupled with technical studies and cost estimates
- 7 Finalized recruitment of women trainees and logistic support for the cottage industry component and started effective training in those areas which were accessible during the harsh winter season
- 8 Finalized cost estimates, breakdown of cost sharing between the parties involved (the YMCA, the targeted communities, and the governmental agencies concerned) and concluding with the signing of the agreement between YMCA and the local community
- 9 Start implementation

Status Report by Cluster

The YMCA Integrated Rural Development Program involves 31 communities covering 6 clusters which are located geographically in 6 different Qadas. The 19,690 families which constitute the local population of the 6 clusters of villages belong to a wide array of religious and /or political affiliation. Even with such a diversified background, these rural communities share some common and general characteristics, the most important ones are

- Remote and distant from the capital Beirut
- Rural communities dependent on agriculture
- The agricultural infrastructure needs reconstruction and rehabilitation
- Infrastructure services are inadequate
- Environmental problems generated by solid and waste water disposal practices
- Very conservative communities specifically towards women

In order to organize, mobilize and activate all the communities involved in the program, it was imperative to start working with all the sectors of the community (leaders, women, youth and children) and on all levels (infrastructure, health & education, environment etc.) This approach seeks to create a multiplier effect whereby all the people would be involved and work together towards their development.

Nevertheless, three basic facts reinforced a periodic project by project approach and a tendency towards implementing small infrastructural projects focused in the agricultural sector.

- 1- Previous YMCA work in the area rendered the local committees more receptive towards the implementation of small infrastructural projects
- 2- Being dependent on agriculture as a main source of income, agricultural projects were more favored by the local communities because of their direct economical impact
- 3- The amount of money needed as a local participation did limit the capacity of the local communities to get involved simultaneously in multiple projects

Taking into consideration all the above cited arguments, in addition to the fact that the basic differences exist between the clusters, and using the infrastructural projects as a stepping stone towards further developmental action, the YMCA team is carefully planning its approach into a more integrated development program

Once the adequate level of credibility and transparency between the two parties concerned namely the YMCA and the local communities began to be established, the YMCA team moved towards the development of new pilot projects selecting for their implementation locations which could be more receptive than others e g

* The Nabatyeh cluster was selected for the implementation of the first pilot project in the solid waste management area based on the assumption that the people living in the area were much more aware of their environmental problems

* The cottage industry training is the first program component to effectively utilize the cluster approach. The training premises are usually located in one village and the women from the cluster's remaining villages are invited to join the training event, with the expectation that by the end of the training some formal or informal group of women, from more than one village, will be formed

* The cottage industry training is the first program component directly targeted for the rural women. Since it has already established its success in the conservative communities of the cluster involved, namely Nabatyeh, it will naturally lay the ground for other activities which will also involve the rural women such as the primary health care training, etc

In sum, after six months of implementation, the program is already active in 25 rural communities out of the total 31 villages located in the 6 clusters. Annex V is a detailed listing of the total program activities, related project

output, amount allocated from U S AID funds and the local contribution for the six targeted clusters on a cluster by cluster basis

As mentioned earlier the differences between clusters has meant that some communities are more receptive to certain pilot projects, whereas the priority needs of other clusters forced a marked preference for some program activities over others Table 1 is a summary schedule of the various program on-going activities as at 31 March, 1998

YMCA Integrated Rural Development Program

Table 1 Activities Schedule by Cluster

October 1, 1997 - March 31, 1998

Cluster No	Village	Committees Formed	Agricultural Activities	Public Works Activities	Health & Educ & Act	Environmental Activities	Civic Part Act.	Cottage Ind Train
I	Akkar El Attika	15	8350m long of agricultural roads 1 bridge 4 gangways	3200m long of sewers	—	One treatment unit/sewage water	Start up phase	—
	Koss & Shakdouf							
	Aayat	1	15m long retaining walls					
	El Dawra	5	13950m long of Irrig canals					
II	Tekrit	5	6600m long of agricultural roads 1 bridge 9gangways					
	Eelat		450m retaining walls	—	—	—	—	—
	Dahr El Laysyneh		1800m long of irrigation canals					
	Jibrael	1						
	Bet Mellat	1						
III	El Ain	5	15 100m long of irrigation canals	—	Const of one floor/village school	—	—	2 session Planned
	Fakha & Zaytoun	10						
	Jdaidet El Fakha	5						
	El Nabi Ousman	5						
IV	Bint Jbeil	1	*35400m long of agricultural roads	567m long of road retaining walls	One water tan public school			
	Aytaroun	1						
	Maroun El Ras	1	*200m retaining walls	*300m long of drainage canals		—	—	—
	Blida	1						
	Mays El Jabal	1						
	Mhaybib	1						
	Ainata	1						
V	Kfarsyr	1	10000m long of agricultural roads 2 gangways	2 potable water reservoirs	Health worksho	Environment workshop	—	2 session on going
	Adshit	1						
	Brayka a	1						
	Ksaybeh	1						
	Sir El Gharbieh	1						
VI	Tannoura	1	*24450m long of agricultural roads 1 bridge 1 gangway	*One potable water reservoirs		Reforestation of 1685 nursery tree		
	Bet Lehya	1	100m retaining walls	*340m long of drainage canals	—		—	—
	Ain Harsha	1						
	Ain Atta	1						
	Kfeir	1						
	El Khelwat	1						
	Mymess	1						

Review of Activities by Component

Component (1) & (3) Rural and Environmental Infrastructure Development

The major objectives of the components under review are

- Renewed and expanded opportunities for agricultural production in 6 clusters of rural communities through the construction and rehabilitation of agricultural infrastructure systems
- Improved community viability and incentive for settlement through the construction and development of critical component of the public sector
- Increased effectiveness of community environmental management systems through heightening the awareness on environmental issues in rural communities and the development of pilot projects in solid and waste water management systems

By March 31, 1998, i.e. six months after the start of the project implementation, the staff of the project and village selected committees and sub-committees were able to accomplish the following after a series of in-depth meetings

A total of 52 actions/projects have been identified in the 6 clusters, systematically appraised, and the relevant technical files, cost estimates and agreements have been prepared and signed

- A total of 52 action/projects were approved for funding and implementation for a cumulative input level of U S \$ 822,102 from U S AID grant fund and a contribution of U S \$ 555,840 representing the estimated value of the land donated along with an estimated U S \$ 322,400 representing the value of volunteer labor and cash contributed locally
- Out of the total 52 projects identified and approved
 - 4 have been executed and completed
 - 19 are in the execution phase
 - 2 have been delayed due to harsh weather waiting for milder climate in the Spring
 - 7 are in the procurement phase
 - 18 are in the negotiation and preparation of agreements phase
 - 2 have been committed and are under preparation

Annex I is a detailed listing of projects output, amount committed and their relevant status

a- Sectoral Distribution

The two components under review, that include the infrastructural and environmental, have been consistently rated very high on the list of priority needs by the targeted communities. Most of the 52 projects committed or executed so far involve the construction /rehabilitation of the communities agricultural systems which yield immediate economic benefits, in addition to their positive environmental impact on the prevention of soil erosion and the enhanced effectiveness of land and water use.

Table 2 below is a summary of grant funds allocation by sector. It is clear that the rural communities targeted by the program have as a top priority the upgrading of their rural agricultural infrastructure.

Table 2 Summary of grant fund allocation by sector

Sector	No of Projects	Grant Amount US\$	% of total
Agriculture	37	\$ 609,025	74%
Public Works	9	\$ 155,735	19%
Health & Education	3	\$ 29,442	4%
Environment	3	\$ 27,900	3%
Total	52	\$ 822,102	100%

b- Quantitative Program Achievements

The following set of measurable outputs have been accomplished as of March 31st, 1998, that is following six months from starting the implementation of this project.

**Table 3 Summary of Quantitative Program
Output and amount allocated by sector**

Sector	Project Output	Amount Allocated (US\$)
Agriculture	<ul style="list-style-type: none"> • 84,800m long of agricultural roads, 3 bridges, 16 gangways, and 765m long of retaining walls • 29,050m long of irrigation canals 	<ul style="list-style-type: none"> • 272,705 • 336,320
Public Works	<ul style="list-style-type: none"> • 3 potable water reservoirs • 3,200m long of waste water sewers • 640m long of drainage canals • 567m long of road retaining walls 	<ul style="list-style-type: none"> • 155,735
Health & Education	<ul style="list-style-type: none"> • 150m³ water reservoir for school • Finishing of one floor for school • Health assessment needs for one cluster 	<ul style="list-style-type: none"> • 29,442
Environment	<ul style="list-style-type: none"> • Waste water filtering system • Reforestation of 1685 nursery tree • Solid waste management workshop 	<ul style="list-style-type: none"> • 27,900

c- Program Impact Indicators

Following U S AID “Lebanon Country Development Strategy” the YMCA has devised a set of critical indicators corresponding to the planned outputs of each project segment to be implemented under the Integrated Rural Development Project. These project indicators are consistent with the intermediate results of the country strategy and they specifically contribute to the U SAID strategic objective of “Expanded Economic Opportunities”. Although the Rural Development Program is still at its early stages of implementation, an estimation of the expected level of impact on a project by project basis has been assessed.

Annex II provides the planned /estimated level of the intermediate result indicator of the rural, infrastructural and environmental components of the program as coded down below.

Intermediate Result 1 1 Communities revitalized

Rural Infrastructure Development

- Sector (a)- Agriculture 1 1 2 Hectares cultivated/irrigated incrementally (Hectares)
 - 1 1 2a New hectares brought under irrigation
 - 1 1 2b New hectares accessed
 - 1 1 2c New hectares reclaimed or terraced
 - 1 1 2d New hectares with improved irrigation
- Sector (b)- Public Works 1 1 3 Access to improved public infrastructure (Families)
 - 1 1 3a Access to improved potable water supply
 - 1 1 3b Access to rehabilitated /new sewer system
 - 1 1 3c Access to rehabilitated /new drainage canals
 - 1 1 3d Access to protected roads
- Sector (c)- Health and Education 1 1 4 Improved health and education services (Ratio 1/8, days, units)
 - 1 1 4a Improved health and education facilities
 - 1 1 4b Volunteer days /sessions and follow up

Community Environmental Management

- 1 1 6a Quantity of waste environmentally processed
- 1 1 6b Hectares under sound environmental practices

Table 4 below is a summary schedule of the total, end of project, and actual to date impact indicators as assessed by the project staff as at 31 March 1998.

Table 4: Summary Schedule of the Total Planned and Actual Todate Project Impact Indicators in the 6 Clusters March 31st, 1998

Indicator #	Rural Infrastructure	Unit of Measure	Planned Impact	Actual Todate
Agricultural				
1 1 2	Hectares cultivated/Irrigated incrementally	Hectares	3,451	733
1 1 2 a	New hectares brought under irrigation	Hectares	247	61
1 1 2 b	New hectares accessed	Hectares	1,586	672
1 1 2 c	New hectares reclaimed or terraced	Hectares	1,386 5	-0-
1 1 2 d	New hectares with improved irrigation	Hectares	231 5	-0-
Public Works				
1 1 3	Access to improved public infrastructure	Families	3,108	-0-
1 1 3 a	Access to improved potable water supply	Families	1,300	-0-
1 1 3 b	Access to rehabilitated/New sewer system	Families	110	-0-
1 1 3 c	Access to rehabilitated/New drainage canals	Families	238	-0-
1 1 3 d	Access to protected roads	Families	1,460	-0-
Health & Education				
1 1 4	Improved health and education services	--	--	--
1 1 4 a	Improved education and health facilities	Units	2 Units	-0-
1 1 4 b	Volunteer days/session and follow up	Days	--	--
Community Environmental Management				
1 1 6 a	Quantity of waste environmentally processed	kgs/liters	48m3/day	-0-
1.1.6 b	Hectares under sound environmental practices	Hectares	0.3 hect.	-0-

Annex II is a detailed schedule of “project by project output”, amount allocated from AID funds, community local participation, actual status, planned end of project impact indicator and an actual up-to-date impact level

Case Illustrations · Health & Education Sector

RI-HE/V-49 Kfarsyr - Health plan assessment workshop

In the health sector of the program and prior to launching any activity, the YMCA field staff have undertaken a global assessment on the availability and quality of the health facilities and services on a cluster basis (Nabatye Cluster)

The information collected covered the following topics

- Demographic profile of the cluster population
- Existing health facilities
- Existing health resources
- Availability of health professionals
- Identification of the cluster major health problems
- Identification of health community leaders
- Identification of the needed medical equipment
- Identification of major training/skills needed
- Availability of health programs

After analyzing the findings, the staff recommended the organization of a one day workshop with the following objectives

- To identify the volunteer human potential in the cluster
- To introduce the participants to the primary health care and health education concept, as well as basic health administration skills
- The joint identification of the major health needs of the cluster with respect to structure and equipment
- To develop a preliminary health plan for the cluster

The participants of the workshop will include physicians, nurses and health professionals working in the cluster

The findings of the workshop, which will take place at the end of April 1998, will determine the health plan of action for the cluster of Nabatyeh

RI-HE/IV-11 Bint Jbeil -Construction of a 150m³ water reservoir for the village public school

This urgent project has been approved and corresponding funds already committed for immediate implementation. The project consists of digging and constructing an underground reservoir to accumulate the rain water during the winter season for ultimate usage by the students and the school staff in Bint Jbeil school. Toilets are urgently needed as the current state and smell of the physical facilities present a high risk of health hazards for the students and the staff of the school. Since the area is suffering from water shortages and no other source could be found, other than the accumulation of rain water, the project has been designed with the joint collaboration of the school administration who guaranteed the necessary participation on all levels in particular regarding the implementation, supervision and cost sharing.

Case Illustrations Community Environmental Management

This project component addresses the area of rural environmental management in order to reverse the increasing environmental problems caused at the local level by

- Improper land management causing land erosion and the loss of water resources
- Inadequate local management of solid and waste water disposal causing the contamination of ground and surface water
- Degradation of forest lands generating desertification

The approach of the YMCA project staff in tackling the environmental problems generated at the rural level in the clusters targeted by the Integrated Rural Development Program was based on the following

Step 1 In-depth information collection at the village and cluster level on two main topics adversely affecting the rural environment namely solid and waste water disposal practices

Step 2 Analysis of the collected information with the assistance of expert consultants and the development of an environmental strategy based on the local characteristics, and order of priorities of each area/village as expressed by the local communities

The information collected through questionnaires demonstrated the following facts

- 1 Household waste water whether from individual cesspools or discharged by sewage networks are interacting and contaminating underground and surface waters
- 2 Solid waste disposal practices, whether from organized collection systems or on an individual basis are causing harmful effects on the rural environment
- 3 Awareness of the needs to save our natural environment is still lacking in some clusters and is at a very basic level in others
- 4 Active steps to act on the environmental problems could be premature in certain clusters where the basic needs for a more adequate service infrastructure is not yet fully satisfied Other clusters could provide a more fertile and responsive ground for the successful implementation of environmental projects

The YMCA environmental strategy was developed taking into consideration multiple factors, the most important ones being

- 1 Appropriate (low-level) technology, low cost pilot projects
- 2 Consistency with local context
- 3 Applicability
- 4 Affordability
- 5 Sustainability

The implementation of this strategy focused on a parallel and dual approach

* Physical implementation of a project which could provide a solution for the immediate problem

* Upgrading the knowledge base and the mobilization of the local people (Youth, women, volunteers and lay leaders) through awareness campaigns, information sharing, joint analysis of problems, workshops and training events

By March 31, 1998, the following actions have been under study, planned and /or implemented

EM/I-1 Akkar El Attika (Mrahat area) Construction of a multi compartment septic tank and pond

This waste water treatment system consists mainly of the construction of a 180m³ double compartment septic tank where the waste water of 110 families in the area of Marhat (Akkar El Attika) will accumulate for at least 2 to 3 days. During this time, the treatment unit will remove nearly all settleable solids and floatable grease and scum so that a reasonably clear liquid is discharged at a later stage into a filtering pond.

Septic tanks are effective tools for on-site treatment of waste water from domestic sources. Their purpose is to transform the raw household waste water into an effluent suited to the disposal component, such that the waste water can be disposed of in a sanitary and environmentally safe manner.

Septic tanks do not need any special maintenance. The accumulated sludge should be emptied every 3 to 5 years.

Waste water effluent from the septic tank can be safely disposed of through treatment systems that discharge waste to surface waters. The filtering system of the waste water in the area of Mrahat will consist mainly of the construction of a 200m² pond with a 100 m³ holding capacity where a reed field will be established. The reeds and the soil will absorb the nutrients and other impurities that exist in the effluent. After this stage, water can be safely discharged into the surface waters.

This project is in its final execution phase and upon completion, it will have the capacity of filtering an average of 48,000 liters daily.

Once the concept of appropriate (low-level) technology, on-site treatment of waste water is established and duly tested by scientific means, the project will be replicated, first in areas where the sewage network is partially or totally available, (the village of Mymess in the Tannoura Cluster), second in areas where the sewage network will have to be constructed, depending on availability of funds.

EM/VI-2 Reforestation campaign for 1685 nursery trees in the villages of Kfeir, Mymess and El Khelwat

The first reforestation activity was jointly undertaken with the local communities of Kfeir, Mymess and El Khelwat of the Tannoura cluster. The project was carefully planned and each party mobilized its available resources to insure the highest chances of success for the campaign.

- The local committees approached the Ministry of Agriculture and managed to insure a donation of various types of forest nursery trees
- The YMCA ordered the manufacturing of 1685 iron cages specially designed to protect the newly planted alignment trees from goats for at least the first few years of their life
- The YMCA staff along with environmental experts visited the schools, promoted the concept of environment and the importance of the “tree” to the students, interacted with the most active ones, mobilized their resources and invited them to join in the communal effort at the reforestation of 1685 alignment trees which took place on April 3-5, 1998. This activity was covered on a daily basis by TV reporters and daily newspapers on a national level.

In order to insure an adequate follow up and the highest chances of survival of the nursery trees, the YMCA in collaboration with the local committees will water the trees for at least the first two years of their life.

EM/V-3 Syr El Gharbieh Workshop on Solid Waste Management

The second pilot project under preparation consists of an integrated and complementary set of activities focused on the solid waste disposal system of the cluster of Nabatyeh. The YMCA project staff, through the process of the collection of detailed information about the environmental problems encountered in the area, plans to introduce the whole concept through a participatory workshop that includes information about the technical solution for solid waste disposal.

The objectives of this workshop are:

- 1 To introduce the basic concepts of environmental protection
- 2 To relay the most basic accurate and scientific information on the following topics:
 - Constituents of domestic solid wastes (organic, paper and cardboard, glass etc)
 - Objectives of solid waste management
 - Solid waste disposal practices benefits, cost and disadvantages

3 To orchestrate the on-going efforts of the YMCA and the Ministry of Environment for an integrated solid waste management system

4 The mobilization of lay leaders, youth and women in a joint effort to form and organize an active partner in the implementation of the solid waste project

5 To involve the local population in the design of their own solid waste disposal system in order to insure the highest level of future sustainability of the implemented project

The workshop is scheduled to take place in the village of Syr El Gharbīeh on May 24-25 It will accommodate around 40 persons from three different villages in the Kfarsyr cluster

Component (2) Income Generation for Women - Agricultural

This project component seeks to complement already existing capacities and markets through technical training to enhance production and to establish and increase marketing options for women producers

Following the signature of the cooperative agreement with U S AID, the principal tasks of the project staff during the first six months of the project under review entailed the following

- 1) The identification of the local agricultural production in each cluster in order to determine and finalize appropriate tailor cut training materials for food processing techniques through drying, distilling, pickling, fermentation etc
- 2) Meeting with local women's associations in view of coordinating and promoting the cottage industry /food processing training and to recruit possible and interested female trainees
- 3) The finalization of the training schedule in each cluster taking into consideration two major issues mainly the weather conditions and the seasonal changes and how they will affect the possibilities of access to the clusters located at high altitude Also the availability of agricultural production for usage as training materials or in the final production cycle
- 4) The finalization of the training material in order to provide an integrated package of information which combines theory with practical hands-on training on the following major topics Food preservation techniques, germs and viruses, hygiene in food generation, nutritional needs of the human body, cooperatives and group formation, business entrepreneurial skills etc Annex III details the training topics covered in the sessions
- 5) Initiating preliminary analysis of marketing and sales approaches, basic feasibility studies, production capacities, packaging design, promotional efforts etc

- 6) The development and standardization of 51 final consumer products
 These products use as basic raw material up to 30 different agricultural produce ranging from fruits, vegetables, olives, meat and milk. This variety of agricultural produce is processed using different and natural preservation techniques. Annex IV lists the 51 type of consumer products ready for production and marketing.
- 7) The overcoming of minor and major constraints before the training start, the most important ones are
 - * The challenges of operating in extremely conservative communities, whereby granting of permission for the women to join and enroll in the training session by their husband or father has been a major achievement.
 - * The verification of the cluster approach since the implementation of the cottage industry training compelled certain groups of people from different communities with hostile attitudes towards each other to join, mix and participate in the same activity three days a week and for a minimum of two months (reconciliatory atmosphere).

A Training Activities

As at March 31, 1998, four training sessions have been designed for implementation, two of them are currently on-going in the Kfarsyr cluster (Nabatye), whereas the other two have been committed and are scheduled for the month of April, to be conducted in the El Ain cluster (Baalbeck).

After overcoming the initial problems of preparing the training, the program staff later on faced a huge demand for enrollment in the on-going training session, so much that the Kfarsyr session had to make space for as many as 47 women trainees. The cottage industry training of the Kfarsyr cluster is involving a total of 84 women trainees and encompasses the five villages of the cluster. The success of this training in the rural communities will serve as a link to lead to other activities which will involve women.

The training sessions which will be conducted in the El Ain cluster will involve 70 additional women and will also cover the four villages of the cluster (implementation of the training has been delayed due to weather conditions which prevented access to this area).

Multifaceted economical impacts have emerged namely the fact that some trainees who have excelled in previous training events, have been invited to join the training team - after proper preparation - as trainers on various topics. This fact has generated double the economical impact in the life of the women involved.

- (1) Economic returns as trainers in the short term
- (2) Economic returns as producers in the long term

This has particular significance as the women begin to act as local trainers the capacity to sustain local initiatives will be enhanced due to the leadership of locally trained women and their ability to serve as local resources within the communities

B Marketing Activities

A first attempt at marketing of the cottage industry products have been through participation in an exhibition which took place at the Beirut Hall from March 17 till March 21st 1998 This exhibition targeted the service industry of the restaurants, hotels and hospital businesses of the country

The objective of the YMCA participation was to test professional market response towards the quality and variety of the products generated throughout the training and the innovative approach of preserving the food using only natural processes ((no chemicals)) The YMCA exhibited 51 types of final consumer products and found extremely positive responses from professionals who were disappointed by the fact that they couldn't place an immediate order for the products to cover their needs for the coming period

The project staff along with the women trainees participating in the exhibition have identified 58 business enterprises which showed genuine interest in buying some or all of the product line once the production is available These future prospective buyers varied from being restaurants (25), hotels (13), pastry shops (18) and health food shops (2) Although the exhibition was addressing "Professionals only" Nevertheless, 100 individual consumers visited the YMCA stand and they also relayed a positive feed back after tasting the displayed home made food items and they also requested information on future availability of the products

Production, sales and marketing of the cottage industry products is expected to start on a regular and professional basis during next spring and the summer season when the agricultural production of fresh fruits and vegetables is at its peak, since the prices will then be at their lowest point

Table 5 below is a detailed information schedule on the current status of the component under review

Component (2) Agricultural Income Generation for Women

Table 5. Information Schedule

October 1, 1997 - March 31, 1998

A. Training /Food Preservation and Marketing Techniques

Code No	Cluster	Location	No of Trainees	No of Vill	Train Days	No of Trainers	Amount \$ Allocat	Local \$ Cont	Total \$ Cost	Status
CIV-1	V	Ksaybeh	37	2	27	15	15 000	1 000	16 000	On-going
CIV-2	V	Kfarsyr	47	3	27	15	15 000	1 000	16 000	On-going
CI/III-3	III	El Ain	35	2	27	15	15 000	1 000	16 000	Committed
CI/III-4	III	Fakha	35	2	27	15	15 000	1 000	16 000	Committed
Totals			154	9	108		60,000	4,000	64,000	

B. Marketing /Promotional stand/Hospitality services Exhibition .17-21 March 1998

CI/M1		Beirut	Promotional stand/Beirut Hall Exh			5 374	--	5 374	Completed
Grand Total U S \$							65,374	4,000	69,374

Component (4) Civic Participation and Community Education

Promoting local self reliance, tolerance and governance is one of the major goals of the Integrated Rural Development Program that the YMCA is executing in the six targeted clusters of rural communities

The civic participation and community education activities under this program component aims at

- Enhancing awareness among citizens of their developmental problems and of their community potential and opportunities
- Empowering the local committees in general and the volunteer lay leaders in particular through training on the concepts of needs assessment, planning, proposals writing, executing and evaluating the projects through group work
- Promoting deliberations, dialogue skills and attitudes (setting choices, alternative options and direction for action)
- Organization and mobilization of the youth for voluntary work on the community level
- Promotion of civic education, democratic practices, self reliance and local governance

The project involves a process whereby the local communities are considered to be the main actor. They work together, consult each other, deliberate on issues and propose solutions for ultimate implementation. This strategy promotes a long term capacity-building for self reliance. The YMCA will provide technical training and support to ensure that a democratic process is in place, to provide proper management and oversight of the infrastructural projects. The YMCA will provide also training for women and youth to insure their active participation in the community activities.

Through the local village committees and the sub-committees, and in the absence of effective municipalities, these committees will provide an ideal foundation for community participation.

To achieve the above stated objectives the YMCA will provide the following types of training

- 1- Training for committee facilitators, who will be selected from the various village committees, with the objective of helping them to learn skills and techniques for conducting committee meetings and facilitating committee work (5 to 6 persons will be selected from the cluster communities and

these will attend a series of training sessions organized locally on a cluster basis)

- 2- Training on various topics for selected youth leaders to involve them in voluntary community work specially on topics such as Leadership training, education on democracy, environmental awareness, community participation and involvement etc

The proposed approach is considered both educational and developmental

The project staff involved in the above work have so far finalized a series of in-depth informal meetings with the various community groups of leaders, community organizations, youth and women. As a result, a series of training events, will take place on a pilot basis in the clusters of Akkar, and these are under preparation

The topics of the training events will cover the following issues

- Dynamics of group work
- Needs assessment
- Proposal writing
- Projects execution and follow up
- Projects evaluation
- Local governance Municipal work (what, why and how)
- Techniques of negotiations and conflict resolution
- Leadership training/volunteer work

The participants of the training sessions/seminars will be Selected members of the local committees, committee facilitators, cluster coordinators, members of local organizations, youth leaders etc. The first event is scheduled to take place end April /early May

III- Level of Local Contributions/Cost Sharing

Under the YMCA program, community involvement in the project process cycle and the maximum feasible participation in the provision of volunteer labor and materials are basic operational practices

During the first six months of project implementation 52 rural infrastructural and environmental projects have been approved for funding and execution

The cumulative total direct cost of these 52 projects is currently estimated at U S \$ 1,700,342 (100%) of which U S \$ 822,102 (48%) were extended from the U S AID funds in order to supplement mobilized local self help contributions valued at U S \$ 878,240 (52%) of which U S \$ 555,840 (33%) is the estimated as land value and the remaining U S \$ 322,400 (19%) constitute the value of volunteer labor and cash donations

Infrastructural and Environmental Project Cost Contribution Table

		U S \$ Amount	Percentage
U S AID Funds		• 822,102	• 48%
Local Contribution	• <u>Value of land</u>	• 555,840	• 33%
	• <u>Labor & Cash</u>	• 322,400	• 19%
Total Project Cost		1,1700,342	100%

A breakdown of the level and the type of local contribution on a project by project basis is reflected in Annex VI

In order to raise the highest level of involvement, local and governmental participation, the matter of project cost sharing has been approached jointly by both the YMCA and the local population from 2 different axis

- 1- Exerting leverage on the local governmental agencies geographically located in the area in order to involve them through coordination of information and cost sharing in the project implementation (e g Council of the South and the governor of Nabatyeh)
- 2- Lobbying with the local political leadership in order to insure their commitment and ultimate monetary contribution

As a matter of fact the degree and level of such participation varied from one cluster to another contingent upon the socio-economic conditions at the local community and household level, also the type of projects implemented in each cluster

IV- Collaboration with Other Institutions

Project management fostered effective project related co-ordination and collaboration with key governmental and non-governmental organizations at practically all geographic levels (national, Muhafazah, Qada and local community) with the view to optimize project integration and impact

At the public sector level, such co-ordination and collaboration encompassed a number of government of Lebanon technical ministries specifically

- (1) The Ministry of Water and Electrical Resources The coordination structure of the program with the subject ministry is very close and detailed specially that the majority of the activities are in the irrigation and potable water infrastructure The sharing of technical information is already prevailing on a project basis, in addition to the monthly coordination meetings which take place between the ministry and various NGOs working in the field including the YMCA
- (2) The Ministry of the Environment A collaborative relationship have been agreed upon between the YMCA and this ministry specifically in the pilot solid waste project of the Nabatyeh cluster The ministry has agreed to a partnership in the areas of reforestation techniques, awareness campaigns, technical expertise where available and cost sharing when possible
- (3) The coordination with all NGOs funded by AID either directly or through meetings organized by USAID/Lebanon

V- Identification of Problems and /or Delays in Project Implementation

No major or serious problems have been encountered in the implementation aspects of the “Integrated Rural Development Project” Only some delays have been incurred in the selection process of the village local committees and sub committees for all parties concerned had to be adequately represented in order to provide efficient execution and delegation power to the communities representative committees

In addition, adverse weather conditions have delayed the implementation of construction works on communal projects like irrigation canals and rural roads Such construction works had to be deferred until favorable weather conditions began in early spring For example, concrete laying of an irrigation canal cannot be under taken in snow mountain areas

Agricultural Income Generation for Women



Marketing: Promotional Stand / Beirut Hall
17-21 March, 1998



Agricultural Income Generation for Women



Marketing: Promotional Stand / Beirut Hall
17-21 March, 1998





Agricultural Income Generation for Women

On-going training
sessions / Kfarsyr cluster



BEST AVAILABLE COPY



Agricultural Income Generation for Women
On-going training sessions / Kfarsyr cluster



Akkar El Atika : Construction of 3200m of waste water sewers.



Digging works

Laying the pipes



Covering with sand

Aytaroun : Agricultural Road Construction



Road under
Construction

Constructed
Road



El Nabi Osman : Irrigation Canal Construction



Irrigation Canal Under Construction

El Nabi Osman : Irrigation Canal Construction



Irrigation canal during construction

Irrigation canal Constructed



Reforestation Campaign: Kfeir, Mymess & El Khelwat



BEST AVAILABLE COPY

Reforestation Campaign: Kfeir, Mymess & El Khelwat



YMCA Integrated Rural Development Program Rural & Environmental Infrastructure Development

Listing of Projects

October 1, 1997 - March 31, 1998

Code No	Cluster	Village	Project Sector	Project Output	Amount \$ Committed	Status
RI-A/I-1	I	Akkar El Attika	Agriculture	3150m of agricultural roads, 1gangway, 1 bridge	26 400	Delayed/Spring
RI-A/I-2	I	Akkar El Attika	Agriculture	2 400m long of irrigation canals	21 740	Delayed /Spring
RI-A/I-3	I	Koss Akkar	Agriculture	2 500m long of irrigation canals	32,406	Execution phase
RI-A/VI-4	VI	Kfeir	Agriculture	3 150m of agricultural roads, 1 gangway	10 297	Execution phase
RI-A/III-5	III	El Ain	Agriculture	2,550m long of irrigation canals	17,210	Completed
RI-A/III-6	III	El Nabr Ousman	Agriculture	1 200m long of irrigation canals	13 260	Completed
RI-A/IV-7	IV	Maroun El Ras	Agriculture	2,600m long of agricultural roads	3,120	Completed
RI-A/IV-8	IV	Bint Jbeil	Agriculture	5 400m long of agricultural roads	11 940	Completed
RI-Pw/IV-9	IV	Maroun El Ras	Public works	300m long of road retaining walls	14 705	Execution phase
RI-PW/IV-10	IV	Bint Jbeil	Public works	67m long of road retaining walls	9 654	Execution phase
RI-HE/IV-11	IV	Bint Jbeil	Health& Educ	One water tank for public school 150m3 volume	6,942	Execution phase
RI A/IV-12	IV	Aytaroun	Agriculture	12 500m of agricultural road & 200m of retaining walls	33 092	Execution phase
RI PW/I-13	I	Akkar El Attika	Public works	3 200m of waste water sewers	29 861	Execution phase
RI-A/I-14	I	Koss Akkar	Agriculture	2 500m of agricultural roads	4 000	Execution phase
RI-A/I-15	I	Shakdouf Akkar	Agriculture	700m long of agricultural roads	560	Execution phase
RI-PW/VI-16	VI	Tannoura	Public works	Potable water tank, pump &Accessories	8 850	Execution phase
RI A/VI-17	VI	Tannoura	Agriculture	4 500m long of agricultural roads	22,600	Execution phase
RI-A/III-18	III	Fakiha	Agriculture	400m long of irrigation canals	4 466	Execution phase
RI-A/III-19	III	Zaytoun	Agriculture	2 950m long of irrigation canals	32,384	Execution phase
RI-A/III-20	III	Jdaidet El Fakiha	Agriculture	3 500m long of irrigation canals	42 592	Execution phase
RI A/II-21	II	Jibrael	Agriculture	700m long of irrigation canals	5 382	Procurement phase
RI-A/VI-22	VI	Mymess	Agriculture	5 800m long of agricultural roads 1bridge	29 767	Execution Phase
RI-A/V-23	V	Sir El Gharbieh	Agriculture	5 500m long of agricultural roads 1gangway	11 500	Agreement phase
RI-A/V-24	V	Ksaybeh	Agriculture	2 500m long of agricultural roads	4 500	Agreement phase
RI-PW/V-25	V	Ksaybeh	Public works	One potable water tank 500m3 capacity	39,700	Agreement phase
RI-A/I-26	I	Aayat	Agriculture	400m long of irrigation canals	4 730	Procurement phase
RI-A/V-27	V	Adshit	Agriculture	2 000m long of agricultural roads 1gangway	5 000	Agreement phase

YMCA Integrated Rural Development Program Rural & Environmental Infrastructure Development

Listing of Projects
October 1, 1997 - March 31, 1998

Code No	Cluster	Village	Project Sector	Project Output	Amount \$ Committed	Status
RI-A/VI-28	VI	Ain Atta	Agriculture	7 000m long of agricultural roads	19 000	Procurement phase
RI-A/VI-29	VI	El Khelwat	Agriculture	4 000m long of agricultural roads, 100m retaining walls	22,940	Execution phase
RI-PW/VI-30	VI	Mymess	Public works	340m long of drainage canals	4 615	Execution Phase
RI-HE/III-31	III	Jdardet El Fakiha	Health & Educati	Finishing for one floor /village school	21,500	Procurement phase
RI-A/II-32	II	Tekrit	Agriculture	4,000m long of agr roads & 2gangway 1 bridge, 250m retain walls	18 137	Procurement phase
RI-A/I-33	I	Aayat	Agriculture	2 000mlong of agricultural roads 3 gangway, 15m retaining walls	4 348	Procurement phase
RI-A/II-34	II	Jibrael	Agriculture	2,600m long of agr roads, 7gangway 200m retaining walls	9 704	Procurement phase
RI-A/II-35	II	Beit Mellat	Agriculture	1 100 m long of irrigation canals	18 400	Agreement phase
RI-A/I-36	I	Shakdouf	Agriculture	2,400m long of irrigation canals	29,600	Agreement phase
RI PW/IV-37	IV	Ainata	Public works	200m long of road retaining walls	17 350	Agreement phase
RI-PW/IV-38	IV	Blida	Public works	300m long of drainage canals	7 200	Agreement phase
RI-A/IV-39	IV	Blida	Agriculture	4 700m long of agricultural roads	13 000	Agreement phase
RI-A/IV-40	IV	Mays El Jabal	Agriculture	10 200m long of agricultural roads	22 800	Agreement phase
RI-A/III-41	III	El Nabi Ousman	Agriculture	2 100m long of irrigation canals	36 950	Agreement phase
RI-A/III-42	III	El Ain	Agriculture	2 400m long of irrigation canals	25,700	Agreement phase
RI-PW/V-43	V	Adshit	Public works	One potable water tank 300m ³ capacity	23 800	Agreement phase
RI-A/I-44	I	Akkar El Attika	Agriculture	1000m long of irrigation canals	10 500	Agreement phase
RI-A/I-45	I	Akkar El Attika	Agriculture	1 300m long of irrigation canals	16 000	Agreement phase
RI-A/I-46	I	Koss Akkar	Agriculture	450m long of irrigation canals	5 000	Agreement phase
RI-A/I-47	I	Koss Akkar	Agriculture	700m long of irrigation canals	9 000	Agreement phase
RI-A/I-48	I	Aayat	Agriculture	1 000m long of irrigation canals	11 000	Agreement phase
RI-HE/V-49	V	Kfarsyr	Health & Educati	Health plan assessment workshop	1 000	Committed
EM/I-1	I	Akkar El Attika	Environment	Multi compartiment septic tank&pond	16 160	Execution phase
EM/VI 2	VI	Kfeir Mymess El Khe	Environment	Reforestation of 1685 nursery tree	6 740	Execution phase
EM/V-3	V	Syr El Gharbreh	Environment	Workshop on solid waste management	5 000	Committed
Total U S \$					822,102	

USAID Lebanon strategic Objective SO1
Reconstruction & Expanded Economic Opportunities

YMCA Integrated Rural Development Program
Rural & Environmental Infrastructure Development
Detailed Schedule of Projects, Cost Contribution
and Relative Indicators

October 1, 1997 - March 31, 1998

Agricultural Sector

Region	Cluster	Village	Indicator #	Project Output	Amount \$ Allocated	Community Participat	Status	Planned Impact	Actual to Date
Akkar	I	Akkar El Attika	1 1 2 b&c	3150m of agricultural roads 1gangway 1 bridge	26 400	27 000	Delayed/Spring	135/30 hect	-0/-0-
Akkar	I	Akkar El Attika	1 1 2 a&d	2 400m long of irrigation canals	21 740	8 500	Delayed /Spring	6/40 hect	-0/-0-
Akkar	I	Koss Akkar	1 1 2 c	2 500m of agricultural roads	4 000	5 000	Execution phase	15 hect	-0-
Akkar	I	Shakdouf Akkar	1 1 2 b&c	700m long of agricultural roads	560	14 000	Execution phase	2/2 5 hect	-0-
Akkar	I	Aayat	1 1 2 a&d	400m long of irrigation canals	4 730	2 000	Procurement phase	2/8 hect	-0/-0-
Akkar	I	Koss Akkar	1 1 2 a	2 500m long of irrigation canals	32 406	13 500	Execution phase	25 hect	-0-
Akkar	I	Aayat	1 1 2 b&c	2 000m long of agricultural roads 3 gangway 15m retaining walls	4 348	24 650	Procurement phase	10/8 hect	-0/-0-
Akkar	I	Shakdouf	1 1 2 a&d	2 400m long of irrigation canals	29 600	14 400	Agreement phase	9/19 hect	-0/-0-
Akkar	I	Akkar El Attika	1 1 2 a&d	1000m long of irrigation canals	10 500	3 500	Agreement phase	8 5/15 hect	-0/-0-
Akkar	I	Akkar El Attika	1 1 2 a&d	1 300m long of irrigation canals	16 000	5 500	Agreement phase	25/45 hect	-0/-0-
Akkar	I	Koss Akkar	1 1 2 a&d	450m long of irrigation canals	5 000	2 000	Agreement phase	5/7 hect	-0/-0-
Akkar	I	Koss Akkar	1 1 2 a&d	700m long of irrigation canals	9 000	3 000	Agreement phase	5/10 hect	-0/-0-
Akkar	I	Aayat	1 1 2 d	1 000m long of irrigation canals	11 000	4 000	Agreement phase	3 5 hect	-0-
Akkar	II	Jibrael	1 1 2 a&d	700m long of irrigation canals	5 382	2 250	Procurement phase	2/4 hect	
Akkar	II	Tekrit	1 1 2 b&c	4 000m long of agr roads & 2 gangway 1 bridge 250m retain walls	18 137	53 500	Procurement phase	26 5/18 hect	-0/-0-
Akkar	II	Jibrael	1 1 2 b&c	2 600m long of agr roads 7gangway 200m retaining walls	9 704	51 850	Procurement phase	7/12 hect	-0/-0-
Akkar	II	Bert Mellat	1 1 2 a	1 100 m long of irrigation canals	18 400	6 600	Agreement phase	8 5 hect	-0/-
		Sub Total	1 1 2 b&c	14,950 m long agricultural roads 13 gangways, 2 bridges	63,149	176 000		180 5/85 5 hect	-0/-0-
		Sub Total	1 1 2 a&d	465m retaining walls 13,950 m long of Irrigation canals	163,758	65,250		96/151 5 hect	-0/-0

Region	Cluster	Village	Indicator #	Project Output	Amount \$ Allocated	Community Participat	Status	Planned Impact	Actual to Date
Baalbeck	III	Fakiha	1 1 2 a	400m long of irrigation canals	4 466	2 000	Execution phase	5 hect	-0-
Baalbeck	III	Zaytoun	1 1 2 a	2 950m long of irrigation canals	32 384	20 650	Execution phase	25 5hect	-0-
Baalbeck	III	Jdaidet El Fakiha	1 1 2 a	3 500m long of irrigation canals	42 592	17 500	Execution phase	38 hect	-0-
Baalbeck	III	El Nabi Ousman	1 1 2 a&d	2 100m long of irrigation canals	36 950	10 500	Agreement phase	14/47hect	-0-
Baalbeck	III	El Ain	1 1 2 a&d	2 400m long of irrigation canals	25 700	9 000	Agreement phase	7 5/33 hect	-0/-0-
Baalbeck	III	El Ain	1 1 2 a	2 550m long of irrigation canals	17 210	16 450	Completed	53 hect	53-
Baalbeck	III	El Ain	1 1 2 a	2 550m long of irrigation canals	13 260	12 800	Completed	8 hect	-8
Baalbeck	III	El Nabi Ousman	1 1 2 a	1 200m long of irrigation canals	13 260	12 800	Completed	8 hect	-8
		Sub Total	1 1 2 a&d	15,100m long of Irrigation canals	172,562	88,900		151/80	+61/0

Region	Cluster	Village	Indicator #	Project Output	Amount \$ Allocated	Community Participat	Status	Planned Impact	Actual to Date
Bint Jbeil	IV	Aytaroun	1 1 2 b&c	12 500m of agricultural road & 200m of retaining walls	33 092	21 800	Execution phase	600/900	600/-0-
Bint Jbeil	IV	Blida	1 1 2 b&c	4 700m long of agricultural roads	13 000	18 800	Agreement phase	38 5/20 hect	-0/-0-
Bint Jbeil	IV	Mays El Jabal	1 1 2 b&c	10 200m long of agricultural roads	22 800	21 240	Agreement phase	155/126	-0/-0-
Bint Jbeil	IV	Maroun El Ras	1 1 2 b&c	2 600m long of agricultural roads	3 120	6 400	Completed	30/23 hect	-30/-0-
Bint Jbeil	IV	Maroun El Ras	1 1 2 b&c	2 600m long of agricultural roads	11 940	13 600	Completed	42/55 hect	42 /0-
Bint Jbeil	IV	Bint Jbeil	1 1 2 b&c	5 400m long of agricultural roads	11 940	13 600	Completed	42/55 hect	42 /0-
		Sub Total	1 1 2 b&c	35,400 m long of agricultural roads, 200m retain walls	83 962	81,840		865 5/1124	672/0

Region	Cluster	Village	Indicator #	Project Output	Amount \$ Allocated	Community Participat	Status	Planned Impact	Actual to Date
Nabatyeh	V	Sir El Gharbieh	1 1 2 b&c	5 500m long of agricultural roads 1gangway	11 500	64 500	Agreement phase	97/24 5 hect	-0/-0-
Nabatyeh	V	Ksaybeh	1 1 2 b&c	2 500m long of agricultural roads	4 500	32 000	Agreement phase	77/10 hect	-0/-0-
Nabatyeh	V	Adshit	1 1 2 b &c	2 000m long of agricultural roads 1gangway	5 000	5 950	Agreement phase	35/6 5 hect	-0-
		Sub Total	1 1 2 b&c	10,000m long of agricultural roads 2 gangways	21 000	102 450		209/41	-0 /0-

Region	Cluster	Village	Indicator #	Project Output	Amount \$ Allocated	Community Participat	Status	Planned Impact	Actual to Date
West Bekaa	VI	Tannoura	1 1 2 b&c	4 500m long of agricultural roads	22 600	54 000	Execution phase	43/10 hect	-0-
West Bekaa	VI	Mymess	1 1 2 b&c	5 800m long of agricultural roads, 1 bridge	29 767	68 200	Execution Phase	62/27hect	-0/-0-
West Bekaa	VI	Ain Atta	1 1 2 b&c	7 000m long of agricultural roads	19 000	48 000	Procurement phase	75/51hect	-0-
West Bekaa	VI	El Khelwat	1 1 2 b&c	4 000m long of agricultural roads 100m retaining walls	22 940	46 300	Execution phase	41/10 hect	-0/-0-
West Bekaa	VI	Kfeir	1 1 2 b&c	3 150m of agricultural roads 1 gangway	10 297	15 500	Execution phase	110/20 hect	-0/-0-
		Sub Total	1 1 2 b&c	24,450m long of agricultural roads, 1 bridge 1 gangway 100m retaining walls	104 604	232,000		331/118	-0/-0-
		Grand Total	1 1 2 b&c	84,800m long of agricultural roads 3 bridges 16 gangways 765m long of retaining walls	272 705	692 290		1586/1368 5	672/0
			1 1 2 a&d	29,050m long of Irrigation canals	336,320	154,150		247/231 5	-61/-0

Health & Education Sector

Region	Cluster	Village	Indicator #	Project Output	Amount \$ Allocated	Community Participat	Status	Planned Impact	Actual to Date
Baalbeck	III	Jdaidet El Fakiha	1 1 4 a	Finishing for one floor /village school	21 500	8 500	Procurement phase	1 Unit	-0-
Bint Jbeil	IV	Bint Jbeil	1 1 4 a	One water tank for public school 150m3 volume	6 942	4 400	Execution phase	1 Unit	-0-
Nabatyeh	V	Kfarsyr		Health plan assessment workshop	1 000	150	Committed	-	
Grand Total			1 1 4 a	Same as above	29,442	13,050		2 Units	

Public Works Sector

Region	Cluster	Village	Indicator #	Project Output	Amount \$ Allocated	Community Participat	Status	Planned Impact	Actual to Date
Akkar	I	Akkar El Attika	1 1 3 b	3 200m of waste water sewers	29 861	14 000	Execution phase	110 Families	-0-
Bint Jbeil	IV	Bint Jbeil	1 1 3 d	67m long of road retaining walls	9 654	4 550	Execution phase	1200 families	-0-
Bint Jbeil	IV	Ainata	1 1 3 d	200m long of road retaining walls	17 350	6 500	Agreement phase	200 families	-0-
Bint Jbeil	IV	Blida	1 1 3 c	300m long of drainage canals	7 200	2 000	Agreement phase	200 families	-0-
Bint Jbeil	IV	Maroun El Ras	1 1 3 d	300m long of road retaining walls	14 705	8 600	Execution phase	60 families	-0-
Nabatyeh	V	Ksaybeh	1 1 3 a	One potable water tank 500m3 capacity	39 700	19 100	Agreement phase	800 families	-0/-0-
Nabatyeh	V	Adshit	1 1 3 a	One potable water tank 300m3 capacity	23 800	42 200	Agreement phase	350 families	-0-
West Bekaa	VI	Tannoura	1 1 3 a	Potable water tank pump & Accessories	8 850	3 350	Execution phase	150 families	-0-
West Bekaa	VI	Mymess	1 1 3 c	340m long of drainage canals	4 615	2 000	Execution Phase	38 families	-0-
Grand Total			1 1 3 a	3 Potable water reservoirs	155,735	102,300		1,300 families	-0
			1 1 3 b	3200m of waste water sewers				110 families	-0
			1 1 3 c	640m long of drainage canals				238 families	-0
			1 1 3 d	567m long of road retaining walls				1,460 families	-0
					155,735	102,300		3,108 families	-0-

Environmental Sector

Region	Cluster	Village	Indicator #	Project Output	Amount \$ Allocated	Community Participat	Status	Planned Impact	Actual to Date
Nabatyeh	V	Syr El Gharbieh		Workshop on solid waste management	5 000	300	Committed		
Akkar	I	Akkar El Attika	1 1 6 a	Multi compartment septic tank&pond	16 160	12 000	Execution phase	48m3 / day	-0-
West Bekaa	VI	Kfer Mymess El Kh	1 1 6 b	Reforestation of 1685 nursery tree	6,740	4 150	Execution phase	0 3 ha	-0-
Grand Total			1 1 6 a&b	Same as above	27 900	16,450		48m3/day/0 3hect	-0/-0

VII- Basic business and management skills

- 1- Cost accounting
- 2- Production management
- 3- Marketing and sales

Practical demonstration and group training will be on the following products depending on availability

- Jams Apple, apricot, strawberry, fig, grape, pear, pumpkin, prune
- Pickles cucumber, turnip, cauliflower, pepper, onion, garlic, carrot, olives
- Dry fruits and vegetables pear, peach, apricot, fig, eggplant, green beans, okra
- Dry Herbs Infusion and flavoring herbs
- Concentrates Tomato, grape
- Molasses grape, pomegranate
- Paste apple & prune
- Marmalade apple & citrus fruits (lemon, orange, grape fruit)
- Compote Mulberry, pear, apricot
- Syrup strawberry, lemon, orange, mulberry, rose
- Jelly apple and quince
- Dairy products cheese, yogurt, labneh, keshek
- Awarma meat
- Vegetables preserved with tomato green bean, peas, carrot
- Fermentation apple and raisins
- Oil preservation egg plant, sweet pepper, green bean, labneh, olive

NB Group training in each particular location will focus on the type of products which are cultivated in that area

Our Products

Vegetables preserved with tomato

Green beans/tomato
Peas/tomato
Peas, carrots & tomato

Oil Preserved Food

Egg-plants
Sweet-pepper
Green beans

Labneh
Olives

Pickles

Pickled cucumbers
Pickled cucumbers
Pickled turnip
Pickled cauliflower
Pickled cocktail
Pickled sweet peppers
Pickled hot pepper
Green olives
Black olives
Pickled garlic
Pickled onion

Miscellaneous

Keshek (goat milk)
Keshek (cow milk)
Kawarma
Pomegranate molasses
Concentrate of tomato juice
Concentrate of sliced tomatoes
Soap bar
Concentrate of grapes

Jams

Apricot jam
Apricot jam (molded)
Strawberry jam
Prune jam
Pumpkin jam
Pear jam
Apple jam (slices)
Dried fig jam
Grape jam

Compote

Mulberry compote
Pear compote
Apricot compote
Cocktail compote

Marmalade

Apple marmalade
Citrus marmalade

Syrup

Strawberry syrup
Lemon syrup
Orange syrup
Mulberry syrup

Rose syrup

Molasses

Grape molasses

Jelly

Apple & Quince jelly

Paste

Apple paste
Prune paste

YMCA Integrated Rural Development Program

Listing of Projects by Cluster

October 1, 1997 - March 31, 1998

Cluster NO 1 Akkar El Attika (Akkar El Attika, Koss Akkar, Shakdouf Akkar Eldawra, Aayat

Code No	Village	Project Sector	Project Output	Amount \$	Local \$	Total \$
EM/I-1	Akkar El Attika	Environment	Multi compartment septic tank&pond	16,160	12,000	28,160
RI-A/I-1	Akkar El Attika	Agriculture	3150m of agricultural roads, 1gangway, 1 bridge	26,400	27,000	53,400
RI-A/I-14	Koss Akkar	Agriculture	2,500m of agricultural roads	4,000	5,000	9,000
RI-A/I-15	Shakdouf Akkar	Agriculture	700m long of agricultural roads	560	14,000	14,560
RI-A/I-2	Akkar El Attika	Agriculture	2,400m long of irrigation canals	21,740	8,500	30 240
RI-A/I-26	Aayat	Agriculture	400m long of irrigation canals	4,730	2,000	6,730
RI-A/I-3	Koss Akkar	Agriculture	2 500m long of irrigation canals	32 406	13,500	45,906
RI-A/I-33	Aayat	Agriculture	2,000mlong of agricultural roads,3 gangway, 15m retaining wa	4,348	24,650	28 998
RI-A/I-36	Shakdouf	Agriculture	2,400m long of irrigation canals	29,600	14,400	44,000
RI-A/I-44	Akkar El Attika	Agriculture	1000m long of irrigation canals	10,500	3 500	14 000
RI-A/I-45	Akkar El Attika	Agriculture	1,300m long of irrigation canals	16 000	5,500	21,500
RI-A/I-46	Koss Akkar	Agriculture	450m long of irrigation canals	5,000	2 000	7,000
RI-A/I-47	Koss Akkar	Agriculture	700m long of irrigation canals	9,000	3,000	12 000
RI-A/I-48	Aayat	Agriculture	1,000m long of irrigation canals	11,000	4,000	15,000
RI-PW/I-13	Akkar El Attika	Public works	3,200m of waste water sewers	29,861	14,000	43,861
Totals	2/3 Villages		* 8350 m of gricultural Roads, 4 gangways, one bridge, 15m retaining walls * 12150m of irrigation canals * 3200mof waste water sewers *One septic tank and pond	221,305	153,050	374,355

9/6

YMCA Integrated Rural Development Program

Listing of Projects by Cluster

October 1, 1997 - March 31, 1998

Cluster No II Tekrit (Tekrit, Eelat, Dahr El Laysyneh, Jibrael, Beit Mellat)

Code No	Village	Project Sector	Project Output	Amount \$	Local \$	Total \$
RI-A/II-21	Jibrael	Agriculture	700m long of irrigation canals	5,382	2,250	7,632
RI-A/II-32	Tekrit	Agriculture	4,000m long of agr roads & 2 gangway, 1 bridge, 250m retain wa	18,137	53,500	71,637
RI-A/II-34	Jibrael	Agriculture	2,600m long of agr roads, 7 gangway, 200m retaining walls	9,704	51,850	61,554
RI-A/II-35	Beit Mellat	Agriculture	1,100 m long of irrigation canals	18,400	6,600	25,000
Totals	3/5 Villages		* 1800m long of irrigation canals * 6600m long of agricultural roads, 9 gangways, 1 bridge * 450m of retaining walls	51,623	114,200	165,823

YMCA Integrated Rural Development Program

Listing of Projects by Cluster

October 1, 1997 - March 31, 1998

Cluster No III El Ain (El Ain, Fakiha & Zaytoun, Jdaidet El Fakiha, El Nabi Ousman)

Code No	Village	Project Sector	Project Output	Amount \$	Local \$	Total \$
RI-A/III-18	Fakiha	Agriculture	400m long of irrigation canals	4 466	2,000	6,466
RI-A/III-19	Zaytoun	Agriculture	2,950m long of irrigation canals	32,384	20,650	53,034
RI-A/III-20	Jdaidet El Fakiha	Agriculture	3,500m long of irrigation canals	42 592	17 500	60,092
RI-A/III-41	El Nabi Ousman	Agriculture	2 100m long of irrigation canals	36 950	10,500	47 450
RI-A/III-42	El Ain	Agriculture	2,400m long of irrigation canals	25,700	9,000	34 700
RI-A/III-5	El Ain	Agriculture	2 550m long of irrigation canals	17 210	16 450	33,660
RI-A/III-6	El Nabi Ousman	Agriculture	1 200m long of irrigation canals	13,260	12,800	26,060
RI-HE/III-3	Jdaidet El Fakiha	Health & Educat	Finishing for one floor /village school	21 500	8,500	30 000
				194,062	97,400	291,462

Training/Food Preservation & Marketing Techniques

Code No	Location	Village Included	Amount \$	Local \$	Total \$
CI/III-3	El Ain	El Ain, El Nabi Ousman	15 000	1,000	16,000
CI/III-4	Fakiha	Jdaidet El Fakiha, Fakiha, Zaytoun	15 000	1,000	16,000
			30,000	2,000	32,000
Totals	4/4 Villages	* 15,100m long of Irrigation Canals * One floor/village school * 2 training sessions in food processing	224,062	99,400	323,462

YMCA Integrated Rural Development Program

Listing of Projects by Cluster

October 1, 1997 - March 31, 1998

Cluster No IV Bint Jbeil (Bint Jbeil, Aytaroun, Maroun El Ras, Blida, Mays El Jabal, Mhaybib, Ainata)

Code No	Village	Project Sector	Project Output	Amount \$	Local \$	Total \$
RI-A/IV-12	Aytaroun	Agriculture	12,500m of agricultural road & 200m of retaining walls	33,092	21,800	54,892
RI-A/IV-39	Blida	Agriculture	4,700m long of agricultural roads	13 000	18,800	31,800
RI-A/IV-40	Mays El Jabal	Agriculture	10,200m long of agricultural roads	22 800	21,240	44 040
RI-A/IV-7	Maroun El Ras	Agriculture	2 600m long of agricultural roads	3,120	6 400	9 520
RI-A/IV-8	Bint Jbeil	Agriculture	5,400m long of agricultural roads	11,940	13,600	25,540
RI-HE/IV-1	Bint Jbeil	Health & Educat	One water tank for public school 150m3 volume	6 942	4,400	11 342
RI-PW/IV-1	Bint Jbeil	Public works	67m long of road retaining walls	9 654	4 550	14 204
RI-PW/IV-3	Ainata	Public works	200m long of road retaining walls	17,350	6,500	23,850
RI-PW/IV-3	Blida	Public works	300m long of drainage canals	7 200	2,000	9 200
RI-Pw/IV-9	Maroun El Ras	Public works	300m long of road retaining walls	14,705	8,600	23,305
Totals	6/7 Villages		*35400m long of agricultural roads, 200m retaining walls *567m long of road retaining walls * 300m long of Drainage canals *One water tank	139,803	107,890	247,693

YMCA Integrated Rural Development Program

Listing of Projects by Cluster

October 1, 1997 - March 31, 1998

Cluster No V Kfarsyr (Kfarsyr, Adshit, Brayka'a, Ksaybeh, Sir El Gharbieh)

Code No	Village	Project Sector	Project Output	Amount \$	Local \$	Total \$
RI-A/V-23	Sir El Gharbieh	Agriculture	5,500m long of agricultural roads, 1gangway	11,500	64,500	76,000
RI-A/V-24	Ksaybeh	Agriculture	2,500m long of agricultural roads	4,500	32,000	36,500
RI-A/V-27	Adshit	Agriculture	2,000m long of agricultural roads, 1gangway	5,000	5,950	10,950
EM/V-3	Sir El Gharbieh	Environment	Workshop on solid waste management	5,000	300	5,300
RI-PW/V-2	Ksaybeh	Public works	One potable water tank 500m ³ capacity	39,700	19,100	58,800
RI-PW/V-4	Adshit	Public works	One potable water tank 300m ³ capacity	23,800	42,200	66,000
RI-HE/V-49	Kfarsyr	Health & Educ	Health plan assement workshop	1,000	150	1,150
				90,500	164,200	254,700

Training /Food Preservation and Marketing Techniques

Code No	Location	Village Included	Amount \$	Local \$	Total \$
CI/V-1	Ksaybeh	Ksaybeh, Adshit	15,000	1,000	16,000
CI/V-2	Kfarsyr	Brayka'a, Kfarsyr, Sir El Gharbieh	15,000	1,000	16,000
			30,000	2,000	32,000
Totals	5/5 Villages	*10,000m long of agricultural road, 2 gangways, * 2 Potable water tank * Health & Environment workshop * 2training of sessions in food processing	120,500	166,200	286,700

YMCA Integrated Rural Development Program

Listing of Projects by Cluster

October 1, 1997 - March 31, 1998

Cluster No VI Tannoura (Beit Lehya, Ain Harsha, Ain Atta, Kfeir, El Khelwat, Mymess)

Code No	Village	Project Sector	Project Output	Amount \$	Local \$	Total \$
EM/VI-2	Kfeir Mymess El	Environment	Reforestation of 1685 nursery tree	6,740	4,150	10,890
RI-A/VI-17	Tannoura	Agriculture	4,500m long of agricultural roads	22,600	54,000	76,600
RI-A/VI-22	Mymess	Agriculture	5,800m long of agricultural roads, 1 bridge	29,767	68,200	97,967
RI-A/VI-28	Ain Atta	Agriculture	7,000m long of agricultural roads	19,000	48,000	67,000
RI-A/VI-29	El Khelwat	Agriculture	4 000m long of agricultural roads, 100m retaining walls	22,940	46,300	69,240
RI-A/VI-4	Kfeir	Agriculture	3 150m of agricultural roads, 1 gangway	10,297	15,500	25 797
RI-PW/VI-1	Tannoura	Public works	Potable water tank, pump & Accessories	8,850	3 350	12,200
RI-PW/VI-3	Mymess	Public works	340m long of drainage canals	4,615	2,000	6 615
Totals	5/7 Villages		* 24,450 m long of agricultural roads, 100m retaining walls, 1 gangway, 1 bridge * One potable water tank * 340m long of drainage canals * Reforestation of 1685 nursery tree	124,809	241,500	366,309

YMCA Integrated Rural Development Program Rural & Environmental Infrastructure Development

Projects Cost Sharing
October 1, 1997 - March 31, 1998

Code No	Village	Project type	AID \$ Funds	Local Contribution		Total \$ Cost
				Land	Labor & Cash	
RI-A/I-1	Akkar El Attika	Agricultural road	26 400	18 600	8 400	53 400
RI-A/I-2	Akkar El Attika	Irrigation canals	21 740		8 500	30 240
RI-A/I-3	Koss Akkar	Irrigation canals	32 406		13 500	45 906
RI-A/VI-4	Kfeir	Agricultural road	10 297	15 000	500	25 797
RI-A/III-5	El Ain	Irrigation canals	17 210		16 450	33 660
RI-A/III-6	El Nabi Ousman	Irrigation canals	13 260		12 800	26 060
RI-A/IV-7	Maroun El Ras	Agricultural road	3 120	6 400		9 520
RI-A/IV-8	Bint Jbeil	Agricultural road	11 940	13 600		25 540
RI-PN/IV-9	Maroun El Ras	Retaining walls	14 705		8 600	23 305
RI-PW/IV-10	Bint Jbeil	Retaining walls	9 654		4 550	14 204
RI-HE/IV-11	Bint Jbeil	Water tank	6 942		4 400	11 342
RI-A/IV-12	Aytaroun	Agricultural road	33 092	16 800	5 000	54 892
RI-PW/I-13	Akkar Attika	Sewage networks	29 861		14 000	43 861
RI-A/I-14	Kos Akkar	Agricultural road	4 000	5 000		9 000
RI-A/I-15	Shakdouf Akkar	Agricultural road	560	14 000		14 560
RI-PW/VI-16	Tannoura	Potable water	8 850		3 350	12 200
RI-A/VI-17	Tannoura	Agricultural road	22 600	54 000		76 600
RI-A/III-18	Fakiha	Irrigation canals	4 466		2 000	6 466
RI-A/III-19	Zaytoun	Irrigation canals	32 384		20 650	53 034
RI-A/III-20	Jdaidet El Fakiha	Irrigation canals	42 592		17 500	60 092
RI-A/II-21	Jibrael	Irrigation canals	5 382		2 250	7 632
RI-A/VI-22	Mymess	Agriculture road	29 767	61 200	7 000	97 967
RI-A/V-23	Sir El Gharbieh	Agricultural road	11 500	64 000	500	76 000
RI-A/V-24	Ksaybeh	Agricultural road	4 500	32 000		36 500
RI-PW/IV-25	Ksaybeh	Potable water	39 700		19 100	58 800
RI-A/I-26	Aayat	Irrigation canals	4 730		2 000	6 730
RI-A/V-27	Adshit	Agricultural road	5 000	5 600	350	10 950
RI-A/VI-28	Ain Atta	Agricultural road	19 000	48 000		67 000
RI-A/VI-29	El Khelwat	Agricultural road	22 940	44 000	2 300	69 240
RI-PW/VI-30	Mymess	Drainage canals	4 615		2 000	6 615
RI-HE/III-31	Jdaidet El Fakiha	Finish school floor	21 500		8 500	30 000
RI-A/II-32	Tekrit	Agricultural road	18 137	48 000	5 500	71 637
RI-A/I-33	Aayat	Agricultural road	4 348	24 000	650	28 998
RI-A/II-34	Jibrael	Agricultural road	9 704	45 600	6 250	61 554
RI-A/II-35	Beit Mellat	Irrigation canal	18 400		6 600	25 000
RI-A/I-36	Shakdouf	Irrigation canal	29 600		14 400	44 000
RI-PW/IV-37	Anata	Retaining walls	17 350		6 500	23 850
RI-PW/IV-38	Blida	Drainage canals	7 200		2 000	9 200
RI-A/IV-39	Blida	Agricultural road	13 000	18 800		31 800
RI-A/IV-40	Mays El Jabal	Agricultural road	22 800	21 240		44 040
RI-A/III-41	El Nabi Ousman	Irrigation canal	36 950		10 500	47 450
RI-A/III-42	El Ain	Irrigation canal	25 700		9 000	34 700
RI-PW/V-43	Adshit	Potable water	23 800		42 200	66 000

YMCA Integrated Rural Development Program
Rural & Environmental Infrastructure Development

Projects Cost Sharing
October 1, 1997 - March 31, 1998

Code No	Village	Project type	AID \$ Funds	Local Contribution		Total \$ Cost
				Land	Labor &Cash	
RI-A/I-44	Akkar El Attika	Irrigation canal	10 500		3 500	14 000
RI-A/I-45	Akkar El Attika	Irrigation canal	16,000		5 500	21 500
RI-A/I-46	Koss Akkar	Irrigation canal	5 000		2 000	7 000
RI-A/I-47	Koss Akkar	Irrigation canal	9 000		3 000	12 000
RI-A/I-48	Aayat	Irrigation canal	11 000		4 000	15 000
RI-HE/V-49	Kfarsyr	Health workshop	1 000		150	1 150
EM/I-1	Akkar El Attika	Septic tank&pond	16 160		12 000	28 160
EM/VI-2	Kfeir Mymess El Khelm	Reforestation	6 740		4 150	10 890
EM/V-3	Syr El Gharbieh	Environment work shop	5,000		300	5 300
Total U S \$			822,102	555,840	322,400	1,700,342