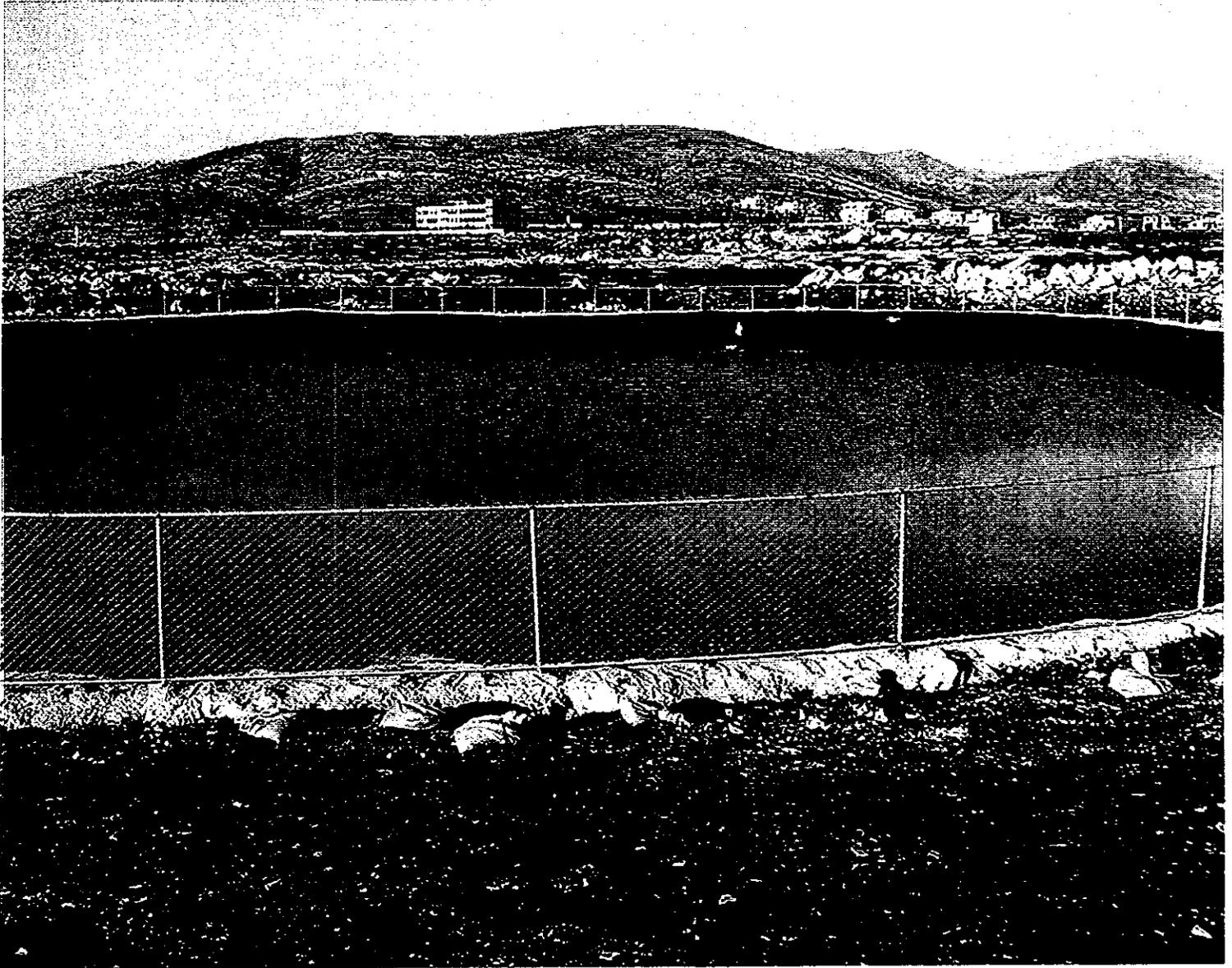


PD-ABW-478

**YMCA of the USA/YMCA of Lebanon  
Integrated Rural Development Project**

**USAID Program/Lebanon  
Cooperative Agreement No. HNE-A-00-97-0062-00**



**Six Months Update - Progress Report  
(October 1, 1997 – March 31, 2002)**

(April 2002)

## TABLE OF CONTENTS

	PAGES
<b>I. SUMMARY</b>	<b>4</b>
<i>Project Goal and Objectives</i>	4
<b>II. PROJECT STATUS REPORT</b>	<b>5-6</b>
<i>A. Country Operational Context</i>	5
<i>B. Program Context</i>	5
<i>C. Project Implementation status</i>	6
<b>III. STATUS REPORT BY CLUSTER</b>	<b>7-14</b>
<i>Activities Schedule by Cluster</i>	7-14
<b>IV. STATUS REPORT BY COMPONENT</b>	<b>15-21</b>
<i>TABLE .1. RURAL INFRASTRUCTURE DEVELOPMENT AND REHABILITATION</i>	17
<i>TABLE .2. COMMUNITY ENVIRONMENT MANAGEMENT</i>	19
<b>Component #5 - SMALL BUSINESS DEVELOPMENT/ JOB CREATION OPPORTUNITIES</b>	<b>20-21</b>
<i>INCOME GENERATING/ SMALL BUSINESSES &amp; COOPERATIVE</i>	20
<i>JOB CREATION/ INCUBATION OF DEMAND DRIVEN BUSINESSES</i>	21
<i>SKILLS DEVELOPMENT IN INFORMATION TECHNOLOGY</i>	21
<b>V. PROGRAM CASE ILLUSTRATIONS</b>	<b>22-27</b>
<i>"RURAL DELIGHTS" SUCCESS STORY</i>	22
<i>EXPANDED ECONOMIC OPPORTUNITIES</i>	22-23
<i>ENHANCING ECO-TOURISM POTENTIAL OF LOCAL COMMUNITIES</i>	24
<i>ENVIRONMENTAL AWARENESS ACTIVITIES</i>	25-27
<b>VI. PROGRAM IMPACT INDICATORS</b>	<b>28</b>
<i>SUMMARY SCHEDULE – Program output, Cost, Contribution &amp; Related Indicators</i>	28
<b>VII. LEVEL OF LOCAL CONTRIBUTIONS / COST-SHARING</b>	<b>29</b>
<i>PROJECT COST SHARING – October 1, 1997-March 31, 2002</i>	29
<b>VIII. PHOTOS – LAY OUT RIHANE GROTTO</b>	
<b>IX. ANNEXES</b>	

## ANNEXES

- A- RURAL AND ENVIRONMENTAL LISTING OF PROJECTS AS OF MARCH 31, 2002
  
- B- ACTIVITY PROGRESS REPORT (BY COMPONENT & CLUSTER)- IMPACT INDICATOR AS OF MARCH 31, 2002
  
- C- BREAKDOWN OF COST-SHARING BY PROJECT AND TYPE OF LOCAL CONTRIBUTION AS OF MARCH 31, 2002
  
- D- AGRICULTURAL SKILLS TRAINING: INTRODUCED CROPS AND RELATED TRAINING SESSIONS
  
- E- CMC PARTICIPATION & COMMUNITY EDUCATION

# I SUMMARY

## Project Goal and Objectives

The YMCA Integrated Rural Development Program in Lebanon is a five-year project beginning October 1, 1997 and ending September 30, 2002. The implementation plan is scheduled for execution on a yearly basis.

The U.S. Agency for International Development (USAID) is making available to the YMCA, through a Cooperative Agreement dated September 30, 1997 and amended September 26, 2001, the sum of US\$ 9,914,182 over a period of five years in support of this project. The YMCA also expects to raise the sum of US\$ 2,982,553 locally, in the form of community self-help donations, contributions from local governmental and non-governmental agencies and organizations.

The goal of the YMCA Integrated Rural Development Program in Lebanon is to promote stability and sustainable socio-economic development in targeted clusters of remote rural villages in Lebanon. An integrated package of project activities designed to meet this goal is being implemented in 8 clusters 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.

Despite the cessation of armed civil conflict 10 years ago, Lebanon is still beset by significant social, political, and economic problems created by the legacy of some twenty years of intense fighting. Foremost among the challenges now facing Lebanon is the need to address the continuing legacy of economic inequality that was one of the significant contributing factors to the outbreak of the civil war in 1975. In order to provide for the stable post-war reconstruction of Lebanon, the current urban-rural imbalances in the national economy and infrastructure must be addressed to mitigate the excessive urbanization and decimation of the rural economic sector of the country. The YMCA is attempting to reverse this legacy of economic inequality and rural-urban disparities by supporting sustainable development activities in rural and remote areas of Lebanon.

A holistic cluster approach has been designed to provide targeted assistance for expanded economic opportunities and improved community service structures in the 95 rural villages covered in the selected clusters. In both its design and mode of implementation, the integrated set of project activities, to be implemented at the cluster level, are intended to: (1) mitigate the negative social and political consequences of uneven economic recovery; (2) lessen the trend of rural to urban migration; (3) promote local self-reliance, tolerance, and governance; and (4) improve community awareness and the practice of appropriate environmental management procedures.

## II- PROJECT STATUS REPORT

### A. Country Operational Context

Lebanon is currently witnessing a period of political tensions, economical depression and high security risk. The on-going troubles in West Bank and Gaza are threatening the stability of the whole region. Daily military skirmishes in South Lebanon specifically along the blue line in Shībaa farms are increasing the risk of full upscale military operations.

This high-risk environment is not aiding the country's executive powers in their attempts to cope up with the prevailing, gloomy economic situation. Lebanon is presently facing an acute economic depression, sluggish growth indicators and high unemployment and migration rates. The future looks discouraging with no vision for an integrated country economic strategy, which might provide a solution to the current economic problems and trigger Lebanon's Recovery Process.

During the period under review (September 2001-March 2002), specifically throughout April 2002, the security conditions in Western Bekaa and South Lebanon has drastically deteriorated. Shelling back and forth has destabilized the area's precarious security environment. This situation had a negative impact on the on-going development efforts of governmental and non-governmental organizations and halted the minor attempts of the displaced families to return to their villages.

### B. Program Context

**EXTENSION OF THE INTEGRATED RURAL DEVELOPMENT PROGRAM TILL 2002:** The Integrated Rural Development Program IRDP has been extended for one additional year, for an additional amount of US\$ 2.5 Million to be concluded in September 2002.

**Program Extension** has covered the same geographic areas currently enclosed by the YMCA clusters, though the proposed actions have focused mainly on South Lebanon and Western Bekaa. As the Integrated Rural Development Program has evolved, new priorities have presented themselves, and the acute needs and subsequent demands from beneficiaries have now become more focused on two critical areas: **EXPANDED ECONOMIC OPPORTUNITIES AND ENVIRONMENTAL PROTECTION**. Thus, the additional funding has covered, in addition to environmental projects (such as solid and water waste treatment systems and awareness practices), activities in the following innovative areas:

- Income Generating/ Small Businesses and production Cooperatives
- Job creation/Incubation of demand driven businesses
- Skills development in Information Technologies IT

These projects/activities will be accounted for and reported in a new section/program component under the heading of Expanded Economic Opportunities.

**ADDITIONAL RESOURCES:** The Integrated Rural Development Program has gained access to additional monetary resources through applying to the USDA-MCI Wheat Monetization II program. Similarly to the USAID funded program, the geographic concentration of activities of the USDA-MCI application was focused on the newly expanded clusters in Western Bekaa and the previous security zone in the south. Proposed activities attempted to complement and integrate with USAID resources and to channel program efforts towards achieving an improved economic impact specifically in the areas of "INCOME POTENTIAL MAXIMIZATION" for rural population through economic ventures in agriculture, agro-Industries and Eco-Tourism Development.

Planned projects covered the following: (1) *Agriculture based activities* such as land reclamation, introduction of new high yield crops, training and provision of tools and equipment for cooperatives, (2) *New Small and Medium Enterprise Development* through the initiation of Mushroom and Compost production centers, and *agro-industries* processing facilities such as Milk Derivatives Production center for Keshek, Labneh Mkazaleh, Shanklish... and (3) *Cultural Heritage Protection and Eco-tourism Development*.

### C. Projects Implementation Status

Program efforts during the period under review (September 2001-March 2002) has focused primarily on (1) *THE EXECUTION OF PROJECTS* agreed upon during previous periods, (2) *IMPLEMENTATION OF LARGE PROJECTS FOR VILLAGE* Waste Water Treatment systems (Ain Harsha, Yanta, Kfeir and Mymess) *AND CLUSTERS* Solid Waste Management facilities (Three cluster sites: Maarakeh, Bint Jbeil and Nabatyeh el Fawka), and most importantly (3) *THE DEVELOPMENT OF EXPANDED ECONOMIC OPPORTUNITIES PROJECTS* under the headlines detailed above i.e. job creation, small and medium enterprises, and *Information Technology as a medium for increased employability*.

*Due to the program extensive, multi-sectored, cumulative achievements of the past four years and a half, and to highlight current innovative program activities, this six months update will cover a detailed narrative account of the new projects only, whereas the tables will present cumulative, updated information of the entire projects key reporting data.*

*For reference and further information, the last four years: fully detailed report will be annexed with this six months update.*

**N.B:** *Although the security conditions in South Lebanon has affected the return of many displaced families and the investment and job creation climate of the area, but it didn't delay program/projects scheduled implementation that are proceeding on time.*

### III- STATUS REPORT BY CLUSTER

The USAID-YMCA program is currently operational in eight clusters of 95 rural communities spread over eight Lebanese Qazas.

As noted previously, the geographical concentration of activities has recently focused on South Lebanon specifically the newly expanded clusters of Bent Jbeil, and Western Bekaa.

The following tables provide a summarized view of all the activities that have been executed in each cluster, and under each program component. For details by cluster of each activity with its related cost, impacts, and actual status, please refer to annex B at the end of this report.

*NB: Activities highlighted denotes projects under execution, and which have been committed during the past six months*

<b>CLUSTER</b>	<b>TYRE</b>
<b>Mohafazat</b>	Bekaa
<b>Qada</b>	Baalbeck
<b>Villages covered</b>	20 villages Maarake, Aabbassiye, Deir Qanoun en nahr, Tair Falsay, el hmayry, Derdghaya, Barich, Ghandourieh, Arzoun, Chehour, Maaroub, Qana, Deir Aarness, El Biyad, Zebqine, Aalit, Hanaouay, Borj ech Chemali, El Bazouriyeh, El Chhabriye
<b>Total Population</b>	5350 families (current residents)

#### *Project achievements: October 1997 – March 2002*

<b>Sector</b>	<b>Total Output</b>	<b>USAID funds US. S</b>	<b>Local contribution US. S</b>	<b>Expected Impact</b>
<i>Environment</i>	▪ Solid waste treatment center	200,000	140,000	▪ 4 villages implementing environmental management plan
<i>Economic opportunities</i>	▪ Computer access & internet services center	35,000	6,000	▪ 100 families with expanded economic opportunities
<b>TOTAL U.S S</b>		<b>235,000</b>	<b>146,000</b>	

<b>CLUSTER</b>	<b>JABAL EL RIHANE</b>
<b>Mohafazat</b>	South Lebanon
<b>Qada</b>	Jezzine
<b>Villages covered</b>	9 villages Jabal El Rihane, Aaramta, Mlikh, El Srain, Maidoun, Soujoud, EL Aaichiye, El Jarmaq, El Qatrani
<b>Total Population</b>	965 families (current residents)

*Project achievements: October, 1997 – March, 2002*

Sector	Total Output	USAID funds US. \$	Local contribution US. \$	Expected Impact
<i>Agricultural Infrastructure &amp; Skills Training</i>	<ul style="list-style-type: none"> <li>• 18,115 m long of agricultural roads</li> <li>• Irrigation reservoirs &amp; related canals</li> <li>• 2 rain fed pools</li> </ul>	54,100	43,915	<ul style="list-style-type: none"> <li>• 150 ha accessed</li> <li>• 159 ha reclaimed</li> <li>• 98.5 ha with improved irrigation</li> </ul>
<i>Public Works</i>	<ul style="list-style-type: none"> <li>• One submersible pump</li> </ul>	600	150	<ul style="list-style-type: none"> <li>• 45 families with improved potable water</li> </ul>
<i>Environment</i>	<ul style="list-style-type: none"> <li>▪ Access &amp; tourism facilities for grotto</li> <li>▪ Environmental education: equipment &amp; training of clubs</li> </ul>	48,000	13,000	<ul style="list-style-type: none"> <li>▪ 3 villages implementing environmental management plan</li> </ul>
<i>Economic opportunities</i>	<ul style="list-style-type: none"> <li>▪ Computer access &amp; internet services center</li> </ul>	33,750	13,400	<ul style="list-style-type: none"> <li>▪ 100 families with expanded economic opportunities</li> </ul>
	<b>TOTAL US \$</b>	<b>136,450</b>	<b>70,465</b>	

<b>CLUSTER</b>	<b>AKKAR EL ATTIKA</b>
<b>Mohafazat</b>	North Lebanon
<b>Qada</b>	Akkar
<b>Villages covered</b>	3 villages
<b>Total Population</b>	Akkar El Attika (Kaws & Shakdouf Akkar), Aayat, El Dawra 2835 Families (current residents)

*Project achievements: October 1997 – March 2002*

Sector	Total Output	USAID Funds US. \$	Local Contribution US. \$	Expected Impact
<i>Agricultural Infrastructure &amp; skills Training</i>	<ul style="list-style-type: none"> <li>• 28 k m long of agricultural roads</li> <li>• 4 gangways, 3 bridges</li> <li>• 24,295 m long of irrigation Canals</li> <li>• 1,958 sq.m retaining walls</li> <li>• 2 irrigation reservoirs</li> <li>• Water pump</li> <li>• Rehab of artesian well</li> <li>• Prototype farm &amp; agric. training</li> </ul>	488,408	285,143	<ul style="list-style-type: none"> <li>• 690 ha accessed</li> <li>• 306 ha reclaimed</li> <li>• 347 ha brought under irrigation</li> <li>• 455 ha with improved irrigation</li> </ul>
<i>Public Works</i>	<ul style="list-style-type: none"> <li>• 1,565 sq.m road retaining walls</li> <li>• One bridge</li> <li>• 2 potable water reservoirs</li> </ul>	91,885	69,299	<ul style="list-style-type: none"> <li>• 388 families with improved potable water</li> <li>• 2,000 families using protected access road.</li> </ul>
<i>Health &amp; Education</i>	<ul style="list-style-type: none"> <li>• Construction of 2 public schools</li> <li>• Rehabilitation &amp; Equipment: one health facility</li> <li>• Dental hygienic campaign</li> </ul>	89,073	33,150	<ul style="list-style-type: none"> <li>• 1060 families/217 students using rehabilitated/ expanded schools</li> <li>• 1100 families served by rehabilitated clinic.</li> </ul>
<i>Cottage Industry</i>	<ul style="list-style-type: none"> <li>• 2 training sessions</li> </ul>	16,626	2,000	<ul style="list-style-type: none"> <li>• 73 women graduates</li> <li>• 2 informal groups</li> </ul>
<i>Civic Participation</i>	<ul style="list-style-type: none"> <li>• Training for municipalities &amp; community leaders (4 events)</li> <li>• Training Youth group (4 sessions)</li> <li>• Equipment for municipalities</li> </ul>	42,504	1,900	<ul style="list-style-type: none"> <li>• 265 participants</li> <li>• 19 training days</li> </ul>
<i>Environment</i>	<ul style="list-style-type: none"> <li>• Reforestation of 1000 trees</li> <li>• Solid waste treatment center</li> <li>• 3 Waste water management systems</li> <li>• Environmental education: equipment &amp; training of clubs</li> </ul>	570,059	210,000	<ul style="list-style-type: none"> <li>• 3 villages implementing environmental management plans</li> </ul>
<i>Economic opportunities</i>	<ul style="list-style-type: none"> <li>• Crop processing/vinegar production center</li> </ul>	48,500	6,275	<ul style="list-style-type: none"> <li>• 20 women</li> </ul>
	<b>TOTAL U.S \$</b>	<b>1,347,055</b>	<b>607,767</b>	

<b>CLUSTER</b>	<b>TEKRIT</b>
<b>Mohafazat</b>	<b>North Lebanon</b>
<b>Qada</b>	<b>Akkar</b>
<b>Villages covered</b>	<b>6 villages</b>
	<b>Tekrit, Daher El Laysyneh, Beit Mellat, Rahbeh, Jibrael, Ilat</b>
<b>Total Population</b>	<b>2806 families (current residents)</b>

*Project achievements: October 1997 - March 2002*

<b>Sector</b>	<b>Total Output</b>	<b>USAID Funds US. S</b>	<b>Local Contribution US. S</b>	<b>Expected Impact</b>
<i>Agricultural Infrastructure &amp; Skills Training</i>	<ul style="list-style-type: none"> <li>• 12,750 m long of agricultural roads</li> <li>• 9 gangways, 2 bridges</li> <li>• 18,620 m long of irrigation canals</li> <li>• 1,350 sq.m retaining walls</li> <li>• Rehabilitation of 2 artesian wells with 3 pumps</li> <li>• Demonstration plot &amp; agricultural Training</li> </ul>	271,329	204,529	<ul style="list-style-type: none"> <li>• 74 ha accessed</li> <li>• 105 ha reclaimed</li> <li>• 120 ha brought under irrigation</li> <li>• 80 ha with improved irrigation</li> </ul>
<i>Public Works</i>	<ul style="list-style-type: none"> <li>• 750 m long of potable water</li> <li>• One bridge</li> </ul>	31,225	28,750	<ul style="list-style-type: none"> <li>• 1,100 families with improved potable water &amp; using protected access road</li> </ul>
<i>Health &amp; Education</i>	<ul style="list-style-type: none"> <li>• Construction of 2 public schools</li> <li>• Dental Hygienic campaign</li> <li>• Rehabilitation &amp; Equipment of one health facility</li> </ul>	48,731	34,236	<ul style="list-style-type: none"> <li>• 1060 families/217 students using rehabilitated/expanded schools</li> <li>• 1100 families served by rehabilitated clinic</li> </ul>
<i>Cottage Industry</i>	<ul style="list-style-type: none"> <li>• 2 training sessions</li> <li>• Tekrit Solar Drying Center</li> </ul>	36,445	4,500	<ul style="list-style-type: none"> <li>• 76 women graduates</li> <li>• Production cooperative</li> </ul>
<i>Civic Participation</i>	<ul style="list-style-type: none"> <li>• Training for municipalities &amp; community leaders (4 events)</li> <li>• Training Youth group (4 sessions)</li> <li>• Equipment for municipalities</li> </ul>	34,569	1,500	<ul style="list-style-type: none"> <li>• 164 participants</li> <li>• 15 training days</li> </ul>
<i>Environment</i>	<ul style="list-style-type: none"> <li>• Solid waste containers</li> <li>• Environmental need assessment (public park)</li> <li>• Water source mapping /quality analysis &amp; workshops</li> <li>• Environmental education: equipment &amp; training of school clubs</li> </ul>	33,427	15,817	<ul style="list-style-type: none"> <li>• 5 villages implementing environmental management plans</li> </ul>
<i>Economic opportunities</i>	<ul style="list-style-type: none"> <li>• Computer access &amp; internet services center</li> <li>• Beekeeper's services center</li> </ul>	50,750	29,000	<ul style="list-style-type: none"> <li>• 100 families</li> <li>• 30 beekeepers</li> </ul>
<b>TOTAL U.S S</b>		<b>506,476</b>	<b>318,332</b>	

<b>CLUSTER</b>	<b>EL AIN</b>
<b>Mohafazat</b>	<b>Bekaa</b>
<b>Qada</b>	<b>Baalbeck</b>
<b>Villages covered</b>	<b>4 villages</b>
	<b>El Ain, Jdaidet El Fakiha, Fakiha &amp; Zaytoun, El-Nabi Ousman</b>
<b>Total Population</b>	<b>5350 families (current residents)</b>

*Project achievements: October 1997 – March 2002*

Sector	Total Output	USAID Funds US. \$	Local Contribution US. \$	Expected Impact
<i>Agricultural Infrastructure &amp; skills Training</i>	<ul style="list-style-type: none"> <li>• 2,800 m long of agricultural roads</li> <li>• 29,967 m long of irrigation canals</li> <li>• 240 sq.m retaining walls</li> <li>• Rehabilitation of 2 water sources &amp; irrigation reservoir</li> <li>• Prototype farm &amp; agric. trainings</li> </ul>	380,684	152,624	<ul style="list-style-type: none"> <li>• 20 ha accessed</li> <li>• 15ha reclaimed</li> <li>• 234 ha brought under irrigation</li> <li>• 342 ha with improved irrigation</li> </ul>
<i>Public Works</i>	<ul style="list-style-type: none"> <li>• 1,267 sq. m of road retaining walls</li> <li>• One bridge</li> <li>• 2 potable water reservoirs &amp; 11,600 m networks</li> <li>• Topography works for one road.</li> </ul>	96,866	54,500	<ul style="list-style-type: none"> <li>• 1,850 families with improved potable water</li> <li>• 1,500 families using protected access road</li> </ul>
<i>Health &amp; Education</i>	<ul style="list-style-type: none"> <li>• Construction of one public school</li> <li>• Rehabilitation &amp; equipment of one health facility</li> <li>• Furnishment &amp; Equipment for 2 dispensaries</li> <li>• Dental hygiene campaign</li> <li>• Extension works for private school</li> <li>• Extension works for youth club</li> </ul>	75,721	27,676	<ul style="list-style-type: none"> <li>• 325 families using rehabilitated community centers</li> <li>• 2,350 families served by rehabilitated clinic.</li> </ul>
<i>Cottage Industry</i>	<ul style="list-style-type: none"> <li>• 2 training sessions</li> <li>• Solar Drying Center</li> <li>• Trout Smoking Center</li> </ul>	66,903	9,000	<ul style="list-style-type: none"> <li>• 67 women graduates</li> <li>• 2 cooperatives &amp; 2 production groups women association</li> </ul>
<i>Civic Participation</i>	<ul style="list-style-type: none"> <li>• Training for municipalities &amp; community leaders</li> <li>• Training youth groups</li> <li>• Volunteer work camp</li> <li>• Equipment for municipalities</li> </ul>	49,203	3,000	<ul style="list-style-type: none"> <li>• 296 participants</li> <li>• 30 training days</li> </ul>
<i>Environment</i>	<ul style="list-style-type: none"> <li>• Public park</li> <li>• Awareness on pesticide use &amp; safety measurements</li> </ul>	38,733	20,750	<ul style="list-style-type: none"> <li>• 1village implementing environmental management plans</li> </ul>
	<b>TOTAL U.S \$</b>	<b>707,310</b>	<b>267,550</b>	

<b>CLUSTER</b>	<b>BINT JBEIL</b>
<b>Mohafazat</b>	El Nabatieh
<b>Qada</b>	Bint Jbeil, Marjayoun & Tyre
<b>Villages covered</b>	22 villages Btaiche, Dhaira, Yarine, Zalloutrye, Marouahine, Hanine, Ain Ebel, Bint Jbeil, Maroun El Rass, Yaroun, Aytaroun, Ainata, Blida, Mhaybib, Mays El Jabal, Houla, Markaba, Talloussa, Bany Hayan, Rabbet Talatine, El Taibe, El Kantara
<b>Total Population</b>	5425 families (current residents)

*Project achievements: October 1997 – March 2002*

<b>Sector</b>	<b>Total Output</b>	<b>USAID Funds US. \$</b>	<b>Local Contribution US. \$</b>	<b>Expected Impact</b>
<i>Agricultural Infrastructure &amp; Skills Training</i>	<ul style="list-style-type: none"> <li>• 55,825 m long agricultural roads</li> <li>• 330 sq. retaining walls</li> <li>• 4 rainfed pools</li> <li>• Rehabilitation of one source &amp; irrigation reservoir</li> </ul>	185,319	172,500	<ul style="list-style-type: none"> <li>• 1,046 ha accessed</li> <li>• 1,222 ha reclaimed</li> <li>• 255 ha brought under irrigation.</li> <li>• 80 ha with improved irrigation.</li> </ul>
<i>Public Works</i>	<ul style="list-style-type: none"> <li>• 2,672 sq. m of road retaining walls</li> <li>• 336 m long of drainage canals</li> <li>• 4 potable water reservoirs</li> </ul>	186,086	151,660	<ul style="list-style-type: none"> <li>• 2,725 families with improved potable water.</li> <li>• 2,800 families using protected access road.</li> </ul>
<i>Health &amp; Education</i>	<ul style="list-style-type: none"> <li>• Rehabilitation of 6 schools facilities</li> <li>• Dental hygiene campaign</li> <li>• Rehabilitation &amp; Equipment for one health facility</li> <li>• Rehabilitation of 2 cooperative community centers</li> <li>• One multipurpose court</li> </ul>	109,189	60,115	<ul style="list-style-type: none"> <li>• 1,200 families served by rehabilitated clinic.</li> <li>• 2,436 students served by rehabilitated schools.</li> <li>• 1,241 families using rehabilitated community centers</li> </ul>
<i>Cottage Industry</i>	<ul style="list-style-type: none"> <li>• One training session completed</li> </ul>	11,113	1,000	<ul style="list-style-type: none"> <li>• 51 women graduates</li> </ul>
<i>Environment</i>	<ul style="list-style-type: none"> <li>• Reforestation of 1700 trees</li> <li>• 2 Solid waste treatment centers under execution (Mays El Jabal, Blida, Mhaybib, Bint Jbeil, Yaroun, Ain Ebel)</li> <li>• Environmental Education: equipment &amp; training of clubs</li> </ul>	444,375	233,175	<ul style="list-style-type: none"> <li>• 16 villages implementing environmental management plan</li> </ul>
<i>Economic opportunities</i>	<ul style="list-style-type: none"> <li>• Computer access &amp; internet services center</li> <li>• Essential oil extraction &amp; damask roses propagation</li> <li>• Incubation/ small enterprise development/ nursery</li> <li>• Greenhouse nursery for ornamental pfts</li> </ul>	159,000	41,200	<ul style="list-style-type: none"> <li>• 170 families with expanded economic opportunities</li> </ul>
	<b>TOTAL U.S \$</b>	<b>1,095,582</b>	<b>659,650</b>	

<b>CLUSTER</b>	<b>KFARSYR</b>
<b>Mohafazat</b>	El Nabatieh
<b>Qada</b>	El Nabatieh
<b>Villages covered</b>	17 villages Kfarsyr, Sir El Gharbiye, Brayka'a, Aadshit, Ksaybeh Jibshit, Nabatiye, Maifadoun, Choukine, En Nabatiye El Faouqa, Kfartebnit, Arnoun, Habbouch, QaqaletElJisr, KfarRourmmanne, ZawtarElGharbiye, ZawtarEchCharqiye
<b>Total Population</b>	2465 families (current residents)

*Project achievements: October 1997 - March 2002*

<b>Sector</b>	<b>Total Output</b>	<b>USAID Funds US. \$</b>	<b>Local Contribution US. \$</b>	<b>Expected Impact</b>
<i>Agricultural Infrastructure &amp; Skills Training</i>	<ul style="list-style-type: none"> <li>• 28,450 m long agricultural roads</li> <li>• 4 gangways, bridge</li> <li>• Rehabilitation of 3 water sources &amp; irrigation reservoir</li> <li>• Water dam &amp; related pool</li> <li>• 2 rainfed pools</li> <li>• Agricultural trainings</li> </ul>	234,267	231,611	<ul style="list-style-type: none"> <li>• 331 ha accessed</li> <li>• 191 ha reclaimed</li> <li>• 30.5 ha brought under irrigation.</li> <li>• 3 ha with improved irrigation.</li> </ul>
<i>Public Works</i>	<ul style="list-style-type: none"> <li>• 4,539 sq. m of road retaining walls</li> <li>• One bridge</li> <li>• Water source &amp; reservoir</li> <li>• 3,490 m long of drainage canals</li> <li>• 4 potable water reservoirs &amp; 1500 m networks</li> </ul>	228,525	170,529	<ul style="list-style-type: none"> <li>• 1,580 families with improved potable water</li> <li>• 2,600 families using protected access road</li> </ul>
<i>Health &amp; Education</i>	<ul style="list-style-type: none"> <li>• One multipurpose court &amp; one youth club</li> <li>• Dental hygiene campaign</li> <li>• Health workshops</li> </ul>	40,296	13,800	<ul style="list-style-type: none"> <li>• 1,100 families using rehabilitated community centers</li> </ul>
<i>Cottage Industry</i>	<ul style="list-style-type: none"> <li>• 2 training sessions</li> <li>• Ksaybeh Distilling Center</li> </ul>	38,410	5,000	<ul style="list-style-type: none"> <li>• 79 women graduates</li> <li>• One cooperative &amp; 2 informal groups</li> </ul>
<i>Civic Participation</i>	<ul style="list-style-type: none"> <li>• Training for municipalities &amp; community leaders</li> <li>• Training Youth groups</li> <li>• Volunteer work camp</li> <li>• Equipment for municipalities</li> </ul>	74,572	5,000	<ul style="list-style-type: none"> <li>• 375 participants</li> <li>• 50 training days</li> </ul>
<i>Environment</i>	<ul style="list-style-type: none"> <li>• Reforestation of 1800 trees</li> <li>• 2 Solid waste treatment centers</li> <li>• Rehabilitation of 2 springs &amp; 2 public parks</li> <li>• Environmental workshops</li> </ul>	439,471	166,716	<ul style="list-style-type: none"> <li>• 5 villages implementing environmental management plans</li> </ul>
<b>TOTAL U.S \$</b>		<b>1,055,541</b>	<b>592,656</b>	

<b>CLUSTER</b>	<b>TANNOURA</b>
<b>Mohafazat</b>	El Nabatieh
<b>Qada</b>	Hasbaya & West Bekaa
<b>Villages covered</b>	14 villages Ain Atta, Ain Harsha, Beit Lehya, Tannoura, Marj El zounhour, Miness, El Khelwat, Kfeir, Aaita El Foukhar, Ain Arab, Yanta, Bekka, Mdoukha, Khirbet Rouha
<b>Total Population</b>	3215 families (current residents)

**Project achievements: October 1997 – March 2002**

Sector	Total Output	USAID Funds US. \$	Local Contribution US. \$	Expected Impact
<i>Agricultural Infrastructure &amp; Skills Training</i>	<ul style="list-style-type: none"> <li>34,500 m long agriculture roads</li> <li>6 gangways, bridge</li> <li>946 sq.m retaining walls</li> <li>Rehabilitation of one mill</li> <li>Rehabilitation of 10 water sources &amp; 1200m canals</li> <li>5 rain fed pools</li> <li>Agricultural trainings</li> </ul>	279,314	335,561	<ul style="list-style-type: none"> <li>464 ha accessed</li> <li>158 ha reclaimed</li> <li>105 ha brought under irrigation.</li> <li>7 ha with improved irrigation.</li> </ul>
<i>Public Works</i>	<ul style="list-style-type: none"> <li>3,109 sq. m of road retaining walls</li> <li>Rehabilitation of 4 water sources with 3 pumps</li> <li>2,320 m long of drainage canals</li> <li>Potable water reservoirs &amp; 3 km networks</li> <li>Potable water project for Ain Harsha, Tannoura, Beit Lehya</li> </ul>	205,977	125,518	<ul style="list-style-type: none"> <li>1,875 families with improved potable water</li> <li>1,200 families using protected access road</li> </ul>
<i>Health &amp; Education</i>	<ul style="list-style-type: none"> <li>One multipurpose court</li> <li>Rehabilitation of 3 health units facilities</li> <li>Equipment for 5 dispensaries</li> <li>Dental hygiene campaign</li> <li>Administrative &amp; technical training for dispensaries</li> <li>Workshops /need assessment in educational facilities</li> </ul>	49,224	14,450	<ul style="list-style-type: none"> <li>325 families using rehabilitated community centers</li> <li>1,570 families served by rehabilitated clinic.</li> </ul>
<i>Cottage Industry</i>	<ul style="list-style-type: none"> <li>3 training sessions</li> <li>Khelwat Olive Bottling Center</li> <li>Kfeir Beekeeping &amp; honey production center</li> </ul>	82,371	13,500	<ul style="list-style-type: none"> <li>130 women graduates</li> <li>1 women association &amp; 3 informal groups</li> </ul>
<i>Civic Participation</i>	<ul style="list-style-type: none"> <li>Training for municipalities &amp; community leaders.</li> <li>Training Youth groups</li> <li>Volunteer work camp</li> <li>Equipment for municipalities</li> </ul>	87,440	4,700	<ul style="list-style-type: none"> <li>422 participants</li> <li>47 training days</li> </ul>
<i>Environment</i>	<ul style="list-style-type: none"> <li>Reforestation of 5,085 trees &amp; environment activities</li> <li>4 Waste water management system</li> <li>Rehabilitation &amp; protection of pine forest</li> <li>Environmental education: equipment &amp; training of youth school clubs</li> </ul>	969,195	537,530	<ul style="list-style-type: none"> <li>14 villages implementing environmental management plan</li> </ul>
<i>Economic opportunities</i>	<ul style="list-style-type: none"> <li>Computer access &amp; internet services center</li> </ul>	33,750	12,500	<ul style="list-style-type: none"> <li>80 families with expanded economic opportunities</li> </ul>
<b>TOTAL U.S \$</b>		<b>1,706,721</b>	<b>1,043,759</b>	

## **IV-STATUS REPORT BY COMPONENT**

The Integrated Rural Development project report has been divided into four major components to match USAID strategic objectives of *Expanded Economic Opportunities, Increased Opportunities and Skills for Women, Community Environmental Management, and Increased Citizen Participation*.

The IRDP four major/matching components are:

- (1) ***RURAL INFRASTRUCTURE DEVELOPMENT AND REHABILITATION*** (including agricultural skills training; public works rehabilitation and construction; and health and education facilities rehabilitation, construction, skills training and health promotion)
- (2) ***AGRICULTURAL INCOME GENERATION FOR WOMEN*** (including skills training, production and marketing)
- (3) ***COMMUNITY ENVIRONMENTAL MANAGEMENT*** (including infrastructure rehabilitation and construction, skills training, and environmental education).
- (4) ***CIVIC PARTICIPATION AND COMMUNITY EDUCATION.***

Extension of the program for one additional year till September 2002 have made available additional funds for the implementation of supplementary activities in two main fields, namely (a) *the creation of new Economic Opportunities* and (b) *Integrated Waste Management Systems and Activities*

Owing to the program considerable achievements and to avoid lengthy and repetitive information, we will refer to the last program report for a detailed narrative account under each section, and we will include in this six months update an account of the new program developments and the cumulative quantitative achievements in table forms and for each component where relevant. In summary, this six months update will cover program reporting in the following format:

- ⇒ Total/updated projects and activities implemented under the first component i.e. *Rural Infrastructure Development and Rehabilitation* up till March 2002 in a summarized table form (please refer to *Table .1.*)
- ⇒ Total/updated projects and activities implemented under the third component i.e. *Community Environmental Management* will be covered in a summarized table form (please refer to *Table .2.*) and the most recent activities in *Community Environmental Awareness* will be relayed in the Case Illustrations section of this report

- ⇒ A new program component to be titled “*Small Business Development/Job Creation Opportunities*” will be added to this report, and will cover the innovative activities of designing and establishing new economic opportunities in the agriculture and non-agriculture sector of the targeted rural areas
- ⇒ We will refer to the 4 years progress report for a detailed narrative and quantitative program achievements under the “*Civic Participation and Community Education*” and “*Agricultural Income Generation for Women*” program components.

**TABLE I. RURAL INFRASTRUCTURE DEVELOPMENT AND REHABILITATION**  
**Summary of Achievements by Sector**  
**October 1, 1997 – March 31, 2002**

Sector	Total Output	# of Projects / US \$ amount	Impact Indicator Planned (5 years)	Impact Indicator Actual todate
<i>(A)</i> <b>Agricultural Infrastructure &amp; skills training</b>	<ul style="list-style-type: none"> <li>* 180,440 m long agricultural roads</li> <li>* 23 gangways, 7 bridges</li> <li>* Rehabilitation of one mill</li> <li>* 4,824 sq.m retaining walls</li> <li>* 72,882 m long irrigation canals</li> <li>* 13 rain fed pools</li> <li>* 3 agricultural demos Plot / Prototype farms &amp; 23 session agr. Training</li> <li>* Rehabilitation of 16 water sources</li> <li>* Rehabilitation of 3 artesian wells with 3 pumps</li> <li>* 6 irrigation reservoirs</li> <li>* One dam &amp; irrigation water pump</li> </ul>	<ul style="list-style-type: none"> <li>* 120 projects completed</li> <li>* 6 projects in execution phase</li> <li>* 1 projects in agreement phase</li> <li>* 3 demonstration / training sites</li> </ul> <p align="center"><b>U.S.\$ 1,893,421</b></p>	<ul style="list-style-type: none"> <li>* 2,768 ha accessed</li> <li>* 2,151 ha reclaimed</li> <li>* 1,210 ha brought under irrigation</li> <li>* 967 ha with improved irrigation</li> </ul>	<ul style="list-style-type: none"> <li>* 2,668 ha accessed</li> <li>* 522 ha reclaimed</li> <li>* 913 ha brought under irrigation</li> <li>* 967 ha with improved irrigation</li> </ul>
<i>(B)</i> <b>Public works infrastructure &amp; rehabilitation</b>	<ul style="list-style-type: none"> <li>* 13,312 sq.m of road retaining walls</li> <li>* 6,146 m long of drainage canals</li> <li>* 4 bridges</li> <li>* 14 water tank reservoirs</li> <li>* 4 water pumps</li> <li>* 18,170 m long of potable water networks</li> <li>* Rehabilitation of 4 water sources</li> <li>* Potable water project cluster</li> </ul>	<ul style="list-style-type: none"> <li>* 57 projects completed</li> <li>* 5 projects in execution phase</li> </ul> <p align="center"><b>U.S.\$ 840,364</b></p>	<ul style="list-style-type: none"> <li>* 11,078 families with improved potable water</li> <li>* 18,481 families using protected access road.</li> </ul>	<ul style="list-style-type: none"> <li>* 8,968 families with improved potable water</li> <li>* 17,381 families using protected access road</li> </ul>
<i>(C)</i> <b>Health and education infrastructure &amp; rehabilitation</b>	<ul style="list-style-type: none"> <li>* Const. of 7 schools</li> <li>* Rehabilitation of 6 schools facilities</li> <li>* Health workshops &amp; trainings</li> <li>* Dental hygiene campaign for 6 clusters</li> <li>* Rehabilitation works for 5 health facilities</li> <li>* Equip, tools &amp; furn. for 10 dispensaries</li> <li>* Construction of 2 clubs &amp; 3 multipurpose courts</li> <li>* Rehabilitation of 2 coop community centers</li> </ul>	<ul style="list-style-type: none"> <li>* 36 projects completed</li> </ul> <p align="center"><b>U.S.\$ 412,234</b></p>	<ul style="list-style-type: none"> <li>* 7,690 families served by rehabilitated/clinic</li> <li>* 11,235 fam./3,913 students served by rehabilitated schools/</li> <li>* 3,166 families using new community centers</li> </ul>	<ul style="list-style-type: none"> <li>* 7,690 families served by rehabilitated / clinic</li> <li>* 11,235 fam/3,913 students served by rehabilitated / expanded schools</li> <li>* 3,166 families using new community centers</li> </ul>

Please refer to Annex A & B for a detailed listing of projects by sector, amount committed, relevant status, and related impact indicator.

**TABLE.2. COMMUNITY ENVIRONMENTAL MANAGEMENT**

**October 1, 1997- March 31 2002**

<b>Sector/Area</b>	<b>Activity Description</b>	<b>U.S.\$ Amount</b>
<i>Restoration of green cover</i>	<i>Reforestation in 4 clusters of 9585 trees</i>	<i>28,234</i>
<i>Environmental protection</i>	<i>6 solid waste treatment centers 8 water waste treatment systems and 52,452 m. networks</i>	<i>2,513,936</i>
<i>Awareness/capacity building</i>	<i>Training on reforestation, pesticide use, waste management and capacity building/ workshops, conferences</i>	<i>59,058</i>
<i>Complementary activities</i>	<i>Solid waste containers, water source and three parks and one pine forest, water mapping/analysis + environmental activities &amp; environmental tool kits &amp; training for school clubs</i>	<i>142,032</i>
	<b>TOTAL U.S.S</b>	<b>2,743,260</b>

**PREVIOUS PAGE BLANK**

## Program Component #5:

### *Small Business Development/Job Creation Opportunities*

The economic hardships in the rural areas caused by the lack of small/business/trades and the uncertainties of the agricultural sector have produced high levels of internal and external migration in search for job and employment prospects and adequate services. Through fact-finding and interaction with communities, the program coordinators have concluded that pressing demand exists for the creation of agricultural and non-agricultural businesses in isolated and deprived rural villages. Thus responding to these unmet needs, the IRDP program planned a targeted action/response in the following key innovative areas:

#### **INCOME GENERATING/SMALL BUSINESSES AND COOPERATIVES:**

Activities under this title will encourage training on, and initiation of new viable economic ventures in the targeted communities taking into consideration the successful cooperative approaches used in the YMCA cottage industry project.

The IRDP program is currently in the process of implementing

- ⇒ **A Greenhouse/nursery for Ornamental Plants in Yarine village in Bent Jbeil cluster** where 22 rural women are receiving training on ornamental plants cultivation practices and techniques. In addition, these women beneficiaries are being instructed in related cooperative management skills and the operation of the nursery with the objective of generating income and promoting the production of new ornamental plants with high market yield.
- ⇒ **A Crop Processing/Vinegar Collection Center in Akkar el Attika** where 22 women, previously trained by the program, are involved in the initiation of a small scale factory for the production of Grape and Apple vinegar. In addition, the center will process the wide varieties of raw agriculture produce cultivated in the area and will network with the "Rural Delights" Marketing Cooperative for product promotion and sale.
- ⇒ **A service Center for Honey Extraction and Beekeepers** in joint cooperation with Beit Mellat Beekeepers Cooperative in Akkar. The center's objective is to provide (1) *Training* on the most recent managerial practices in beekeeping, (2) *Mechanical Honey Extraction* and wax melting services for members and non-members alike, (3) *Internet Access* to facilitate information sharing and worldwide connectivity with other beekeepers for joint benefits and experience sharing, and finally (4) *A Self-sustaining/ Service Provider Center*.
- ⇒ **A new Center for Essential Oil Extraction and Damask roses propagation** in Aytaroun village in Bent Jbeil cluster for the introduction of Damask roses cultivation and extraction of high concentration essential oils to generate support income for the rural families is being established.

### ***JOB CREATION/INCUBATION OF DEMAND DRIVEN BUSINESSES***

The YMCA has conducted a preliminary assessment of the market demands, potential skills and new business development opportunities for specific trades in the targeted clusters. Following the field assessment, the YMCA has identified small-scale businesses in specific fields to provide training and apprenticeships to unemployed poverty stricken community members. Subsequently, the IRDP has finalized the program design and is in the process of initiating action in the identified trades.

This activity seeks to set up new viable small businesses, to adapt trainees' skills to current market needs, and to foster a supportive environment for business incubation in a market driven approach.

The YMCA is also in the process of initiating support systems for follow up and insertion of the trainees and development of small businesses in the local market. The program will further assist trainees through the provision of basic tools and equipment that are essential for initiating the business.

For added synergies, the program will form strategic partnerships with credit organizations (funded by USAID) and businesses to facilitate trainees' access to small loans thereby increasing their opportunity to secure vital capital for start-up costs

### ***SKILLS DEVELOPMENT IN INFORMATION TECHNOLOGIES IT:***

The rapid changes in the global economy and the emergence and use of computer technology in daily activities portends that isolated and deprived rural villages will become further disadvantaged as gaps between advantaged and disadvantaged populations continues to grow. In light of this challenge and the need to strategically introduce new skills and capabilities in rural communities, the YMCA is currently in the process of launching a basic computer literacy and Internet training program to introduce and train on new skills and promote access to information technology in 4 clusters of communities covered by the IRDP program

The computer literacy project will provide valuable skills and access to Information Technology for remote rural areas, which will further assist local populations in gaining access to employment and economic opportunities. The IT project details are covered in the following section under Case Illustrations.

## **V. PROGRAM CASE ILLUSTRATIONS**

### **"RURAL DELIGHTS SUCCESS STORY"**

Reporting on the "Agricultural Income Generation for Women" component of the IRDP has been covered extensively in the previous four years report. Nevertheless, new program developments in the MARKETING area are worth mentioning in this section under the title of "success stories".

The following is the latest marketing and sales developments of the "Rural Delights" brand, the newly formed marketing cooperative since September 2001:

*A Billboard advertising campaign that covered all Lebanese territory has been offered free of charge by PICASSO/Antoine Vincente (campaign cost estimated at US\$ 250,000).*

*An Exclusive export contract to Saudi Arabia for a minimum of US\$ 200,000 per year has been recently signed and exportation has started – 3 shipments already.*

*An Exclusive distribution contract for Lebanon for a minimum of US\$ 300,000 has been recently signed with DIMA Company (The Zoghzoghi family-Owner of the MacDonald franchise for Lebanon)*

*On-going Negotiations for distribution contracts for Kuwait (US\$ 100,000) and United Arab Emirates (US\$ 100,000).*

*On-going Negotiations for opening new markets in France, Germany and Syria.*

The "Rural Delights" Marketing Cooperative is currently targeting a total Yearly Sales figure of US\$ 1,000,000 for 2003. This tremendous increase in the sales volume of Rural Delights products is putting an enormous strain on the storage, packing and delivery facilities of the food products. Expansion of the sales, although more than welcome, is also putting pressure on the women production facilities. This state of fact is leading the program to review the available equipment and facilities of the current project and to plan an overhaul of the present assets and those of its network production partners so as to meet market demand.

### **EXPANDED ECONOMIC OPPORTUNITIES**

#### ***Computer Literacy & Internet Access and Services Center***

The 2001 UNDP Human Development report identifies what new technologies can do for Human Development; however, it also warns that new technologies should not be used as another factor to separate developing from developed countries. We need to widen the Digital Divide but rather as a means to the betterment of people's lives.

Further more emphasizing the relevance of Information Technologies to Human Development the UNDP report quotes, along and as an integral part of the Human Development Index HDI, a new Technology index TAI (Technology Achievement Index) which measures local population's knowledge of and access to the New Technologies.

Although the Government of Lebanon have promulgated Computer Literacy as one of its educational requirements in the public school curriculum, budgetary constraints have prevented the Ministry of Education from equipping all the schools with the much needed computer equipment to propagate computer literacy in the rural areas. In this context, access to technology and computer literacy will open tremendous opportunities for young people, in particular economically disadvantaged groups and will enhance their potential for personal, educational and professional development.

With the goal of reintegrating members of low income communities, especially children and young people to the benefits of Information Technology, thus reducing the levels of social exclusion to which they are submitted, the Rural Development Program funded by USAID, is pioneering the work of taking Information Technology to underprivileged, remote rural areas through initiating *Computer Literacy & Internet Access and Services Center*

The IRDP program is currently in the process of establishing, in partnership with locally based community institutions, and with the support of local municipalities, four Computer/Internet Access and Service Centers. The centers are located in El Rihane village in Qada Jezzine, Rahbeh in Qada Akkar, Kfeir in Western Bekaa, and finally, Bint Jbeil in Southern Lebanon.

The CYBER Centers will serve as a platform for Computer Literacy training, technology services for the professional people and Internet access to the outer world specifically to the international community and the World Wide Web with its huge information base. The centers, which will be owned and operated by the community based organization, will be run in an economically self-sustainable approach, charging beneficiaries with minimal users' fees to insure maintenance, operation and future replacement of outdated or non-functional equipment.

The IRDP program will equip each center with 10 to 11 computers and all the related hardware and software equipments such as printers, scanners, UPSs, networks...etc. The local partner (youth association) will insure the availability of adequately furnished physical facilities connected to a constant power source and a telephone or cable system that provides Internet connectivity. This program will also conduct training sessions for trainers to insure sufficient local technical know-how to promote Information Technology and maintain a continuous stream of computer literacy training sessions.

The center will thus, provide on-going training sessions and a fair access to Information Technology to a wider base of young seekers

## ENHANCING ECO-TOURISM POTENTIAL OF LOCAL COMMUNITIES

The IRDP program have identified major sites with good potential for eco-tourism activities such as Jabal El Rihan newly discovered grotto (reported to be of similar interest as the famous Jeita Grotto-please refer to the annex section for a general lay out of the project and some photographs of the grotto), Yanta archeological sites, and Aita El Foukhar natural environment. Eco-tourism activities will cover infrastructure rehabilitation and development (sanitary facilities, roads, lighting, benches, reforestation, landscaping, etc.) protection and uncovering of historical sites (Yanta remains), services development (accommodations, restaurants, guided tours, etc.), and small business development (crafts shop, agro-industry products, etc.).

Finally, the program will work towards attracting eco-tourism clients through developing linkages with the tourism sector particularly companies specializing in eco-tourism such as IBEX (on-going negotiations), and youth clubs seeking outdoor sports activities in natural and historical locations such as Liban Trek, Wild Expeditions, and le club des Vieux Sentiers. The major focus of Eco-tourism development will be to generate income for the local population through attracting tourism money to the area.

### ***Establishment of the Rihan Grotto Tourist Center***

El-Rihan village is geographically located in South Lebanon - district of Jezzine. The village, which is centrally located between 7 other smaller communities, is famous for its beautiful nature, surrounding forests, unique biodiversity, plant varieties and cultural heritage.

At the cliff of Mount Rihan, and 20 meters from the main road linking Rihan to Aramta village, lays the Rihan Grotto. Amid the mountain rocks, there is a small opening, half a meter in diameter that leads to a hole eight meters deep. The inhabitants of Rihan used this hole to enter the Grotto since its accidental discovery in the 1930's. The cave has a unique beauty with stalactites, stalagmite, pillars and draperies, which were formed over thousands of years (*refer to photo file*)

Despite the fact that access to the Grotto is difficult, many people seeking adventure and excitement have entered the grotto. Unfortunately, some did not believe in conserving the beauty for others to enjoy, and damaged some of its interior. Despite the littering and damage done, the Rihan Grotto remains the most beautiful Grotto yet discovered in the South of Lebanon. Without protection, the Grotto is in danger of being further damaged as time goes by.

According to a report by the Lebanese Speleo Club, the Rihan Grotto has characteristics that would highly attract tourists. Therefore, the establishment of access and facilities to take advantage of the local tourism potential in El Rihan is a great motive for the economical development of the area.

The layout of "El Rihan Tourist Center" enclosed in the annex section of this report is an overall infrastructure design of the area surrounding the grotto. It covers the construction of an access road, a hotel, a restaurant and a large green area. In addition to opening the Grotto, other site development activities will be implemented such as,

shops, a utility room for ticketing, premises for the guards, toilets, a car parking, and planting of green cover. Other facilities for tourists will include a rest house, restaurants, an open theater and parks. The shops present in the compound will display local handicrafts, and will constitute a market outlet for the local products.

Tourists will be able to visit the Grotto, and enjoy the natural scenery and facilities. Other tourist attraction activities available in the area are hikes in the forest and mountains, village walk, bird watch, bicycle tour, visits to farmers, local artisans, markets and traditional healers.

El Rihane natural grotto is ideally located near a tourist area, namely Jezzine and could easily become a part of a roundtrip day tour to the South. A marketing plan, which is an integral part in the success of the project, will be developed at a later stage. The promotion and marketing activities of Al Rihane Grotto will take place in a structured way.

**AL RIHANE ECO-TOURISM PROJECT deals with both Conservation and Development of the economic potential of the local community: The project will constitute a major economic resource for the village.**

## ENVIRONMENTAL AWARENESS ACTIVITIES

### **Environmental Awareness Tool Kit**

Environmental targets cannot be reached without raising awareness and encouraging people to participate actively in environmentally friendly life-styles. Knowledge, motivation and participation are the keys to environmentally responsible citizens and the pillars of sound environmental education. The challenge is to put in place effective programs that transform environmental awareness into informed action. Success of awareness programs depends to a great extent on information dissemination, which reaches a large target audience, is user-friendly and target appropriate and a framework that allows for the practice and implementation of newly learned skills.

To this date, in the field of non-formal education, scattered efforts have been going on to enhance the educational experience, especially through the establishment of Environmental Clubs and training of educators in environmental education.

Those involved in environmental education and awareness, regardless whether experienced educators or amateur animators, suffer from lack of reliable information and age-specific teaching material. While there is urgent need for the production of new teaching material, even the existing material, if collected and made accessible, would greatly facilitate the work of the educator.

Within the framework of the program Integrated Environmental Strategies, and in order to complement the on-going efforts in the environmental sector of the targeted communities specifically in the field of environmental protection and sound practices, the Rural Development Program planned, collected and developed an Environmental Tool Kit to facilitate environmental education. The project aimed at creating synergies with private and governmental organizations efforts in the field of environmental education and at instituting a formal link for future sustainability of on going educational work.

The project design targeted Capacity Building of educators for planning, and carrying out effective environmental awareness activities, whether in formal or non-formal settings and providing them with a well-developed package of teaching tools, which promote the importance of environmental protection and conservation.

Program activities covered the following:

- Design, development and production of an environmental educator's tool kit which includes a variety of material and environmental activities to be used by the educator
- Workshops and training seminars to strengthen the capacity of educators for planning, supervision and implementation of an active environmental program. The proposed program will provide students with a basic knowledge and skills on key environmental issues with particular attention to Lebanon.
- Relay the gained information to public school students thus increasing their awareness, knowledge and skills on environmental issues to enable them to participate more effectively in protection and conservation efforts within their community.

A survey and evaluation of existing Environmental Awareness material was conducted, gaps in existing material were identified and the need for production of new material was considered. In-depth discussions with public school teachers and directors were carried out to identify the set up and framework that would make the tool kit accessible and usable for a maximum number of teachers.

The designed tool kit covers the following topics:

- Basic concepts of environmental education
- Planning an Effective Environmental Education (EE) Program (non-formal)
- Basic Environmental Concepts

And it encloses the following material:

- User guidelines and list of content
- Text explaining principles of EE
- Text describing EE activities (indoor and outdoor)
- CD with power point presentation
- Planning steps for Community action
- Field trip guidelines
- Recycling kit
- 3 Video cassettes
- Slide show
- 3 Music tapes of Environmental songs
- Board games
- Environmental plays/sketches
- Collection of Brochures, Posters, and Stickers
- Flower Book
- Kid's Book about the Environment: Pasha-Mama
- List of Contacts and Resources

A comprehensive list of public schools was prepared for the West Bekaa and Akkar Clusters that enabled the selection of schools interested in carrying out Environmental activities. Seventy-five tool kits will be distributed to 75 school educators following an intensive two-day training seminar. Three training sessions will be conducted in May, where the teachers will be trained on the basic principles of environment, how to organize an environmental school club, and how to use best the environmental awareness tool kit.

The project direct beneficiaries are youth groups at the upper elementary and intermediary levels, and educators and animators active in the environmental field. Eventually, the community as a whole will benefit from an increased environmental awareness.

# VI. PROGRAM INDICATOR

## SUMMARY SCHEDULE - Program Output, Cost, Contribution & Related Indicators October 1, 1997 - March 31, 2002

CATOR	Indicator Details	Project Output	Amount US\$	Local Contrib US\$	Planned Oct 97	Actual Plan	Actual to Date
<b>ICULTURE</b>							
	Hectares cultivated / Irrigated incrementally				4,411	7,096	5,070
b	New hectares accessed	180,440 m long of agricultural roads, 23 gangways, 7 bridges; 4,824 sq.m retaining walls, one mill, 3 prototype farm & 23 sessions of skills training.			1,846	2,768	2,668
c	New hectares reclaimed or terraced		1,893,421	1,425,883	1,563	2,151	522
a	New hectares brought under irrigation	72,882 m long of irrigation canals, 6 irrigation reservoirs, 16 water sources, 13 rainfed pools, one water dam, rehabilitation of 3 artesian wells with 3 pumps, irrigation motor pump			608	1,210	913
d	New hectares with improved irrigation				394	967	967
<b>SOCIAL INFRASTRUCTURE</b>							
	Families accessing new /improved social infrastructure				17,119	51,650	48,440
a	Families with improved potable water	14 water reservoirs & 18,170 m potable water networks, 4 pumps, rehabilitation of 4 water sources, potable water project for 3 villages	840,364	600,406	1,743	11,078	8,968
f	Families using protected access roads	6,146m drainage canals; 13, 312 sq.m road retaining walls, 4 bridges			8,181	18,481	17,381
c	Families served by rehabilitated/clinics	Rehab works for 5 health facilities, equipments, furnitures & tools for 10 dispensaries			1,200	7,690	7,690
d	Families served by rehabilitated/schools	Construction of 7 schools & rehab of 6 school facilities	412,234	183,427	4960/958	11,235	11,235/ 3,913
e	Families using new / rehab centers	Const. of 2 clubs&3 multipurpose courts& 2 cooperatives centers			-	3,166	3,166
<b>TIME GENERATING ACTIVITIES / COTTAGE INDUSTRY</b>							
	Clients accessing expanded economic opportunities.	12 sessions of training on food& marketing techniques 4 computer services & internet access centers 11 centers & one greenhouse for ornamental plants	613,117	143,375	780	1,098	573
<b>COMMUNITY ENVIRONMENT</b>							
	Villages implementing environmental management plans				34	32	21
a	Restoration of green cover	Reforestation of 9,585 trees & environmental activities			18	19	19
b	Environmental protection practices	One spring & 3 public parks, solid waste containers, pine forest	2,743,260	1336,988	7	56	7
c	Waste water treatment	8 waste water treatment systems & 52,452m networks			11	8	8
d	Solid waste treatment	6 solid waste treatment centers			16	16	2
e	Potable water treatment	Water source mapping - quality analysis			3	12	12

"Planned October 97" refers to the original project proposal planned impact  
"Actual Plan" monitors forecasted impact on a project by project basis in annex B

Refer to annex B for a listing / impact indicator on a project by project basis

## **VII. LEVEL OF LOCAL CONTRIBUTION/ COST SHARING**

***PROJECT COST SHARING***  
**October 1, 1997-March 31, 2002**

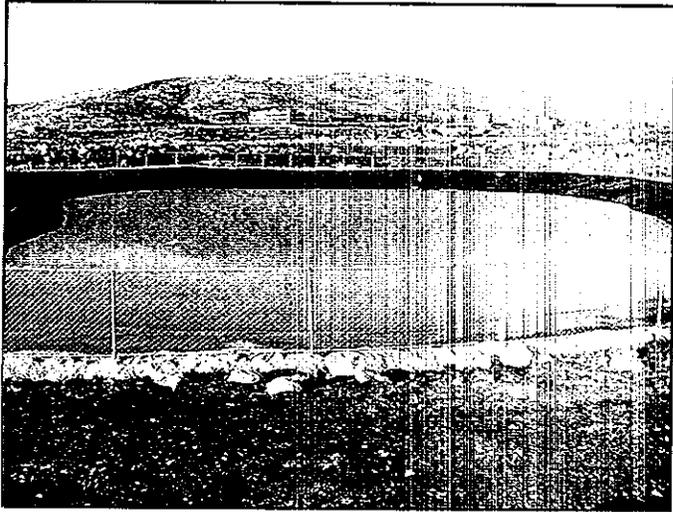
<b>Sector</b>	<b>U.S.\$ Amount</b>	<b>Local contribution</b>	<b>Total US \$</b>
Agricultural Infrastructure & Skills Training	1,893,421 57%	1,425,883 43%	3,319,304 100%
Public works, Infrastructure & Rehabilitation	840,364 58%	600,406 42%	1,440,770 100%
Health, Education Infrastructure & Rehabilitation	412,234 69%	183,427 31%	595,661 100%
Community Environmental Management	2,743,260 67%	1,336,988 33%	4,080,248 100%
Civic Participation & Community Education	287,320 95%	16,100 5%	303,420 100%
Cottage Industry Training Session	251,867 88%	35,000 12%	286,867 100%
<b>TOTAL US \$</b>	<b>6,428,466</b>	<b>3,597,804</b>	<b>10,026,270</b>
<b>%</b>	<b>64%</b>	<b>36%</b>	<b>100%</b>

*Breakdown of cost sharing on a project-by-project basis is found in Annex C enclosed with this report.*

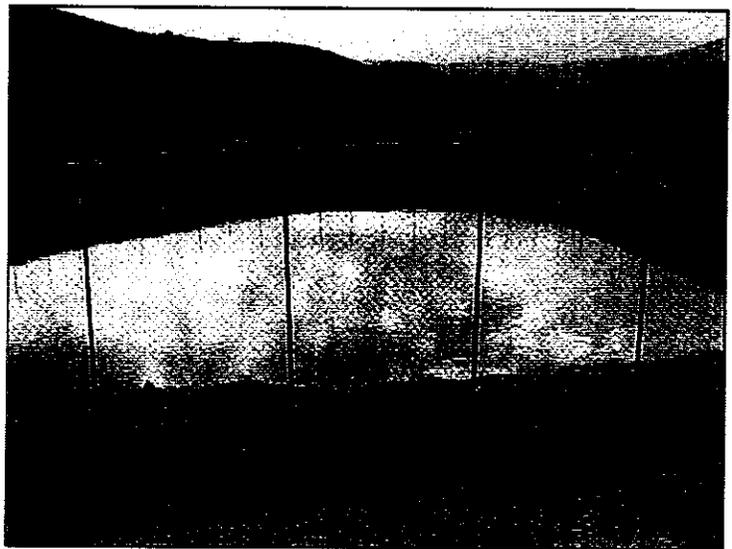
## **VIII PHOTOS**

### **ER RIHAN GROTTTO: GENERAL LAY OUT**

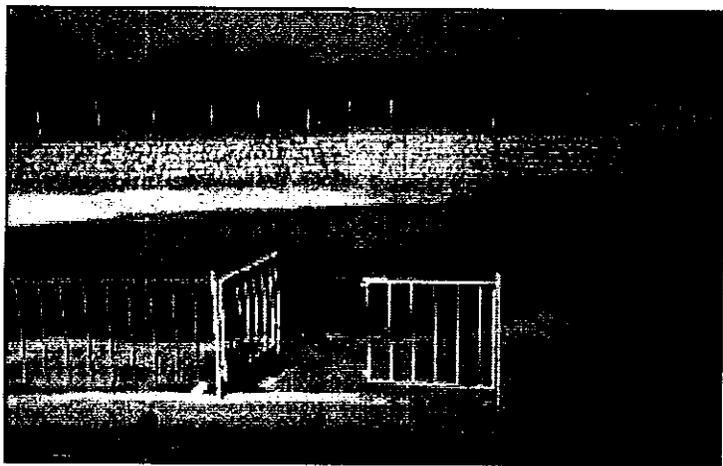
## **RAIN WATER CATCHMENT PONDS**



**Polyethylene lining for  
Khirbet Rouha pond**



**Construction of village pond in  
Mymess**



**Rehabilitation works for Bany Hayan pond**

## **DEMONSTRATION FARMS & TRAINING**

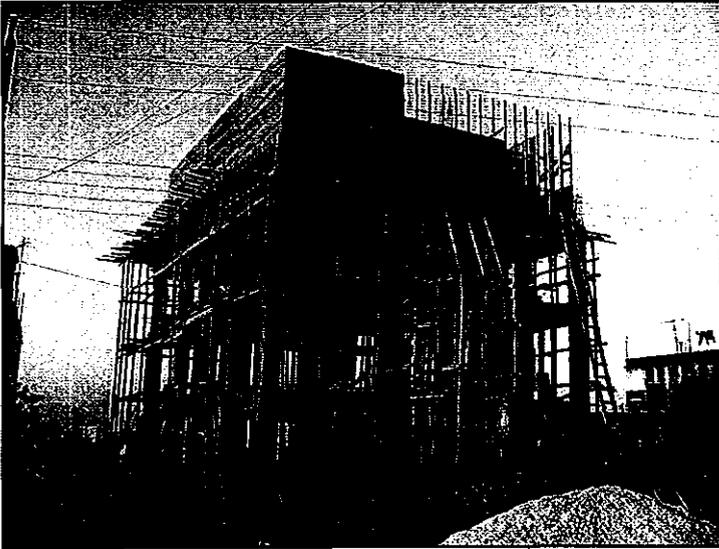


**Production of baby lettuce at  
Jibrael farm**

**Women training / greenhouse  
nursery for ornamental plants  
in Yarine**

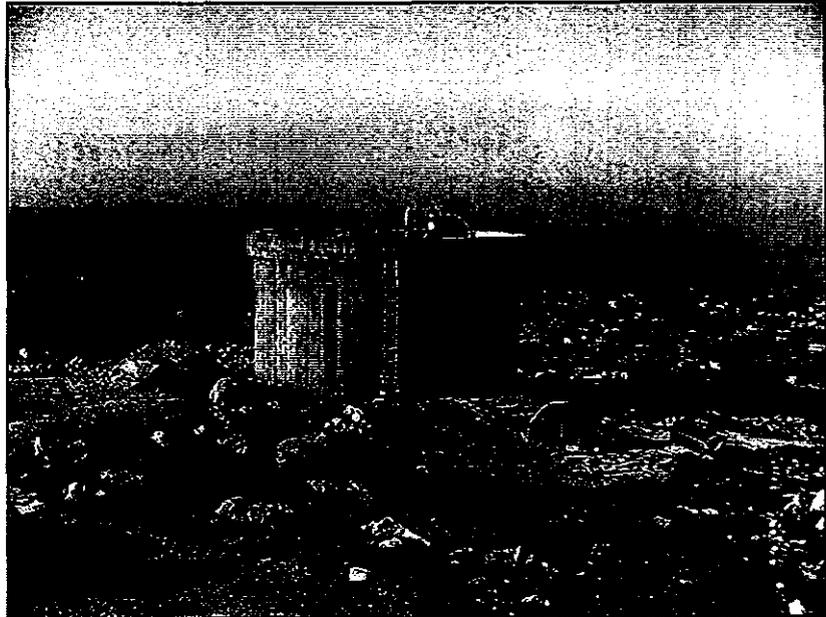


# ***PUBLIC INFRASTRUCTURE***

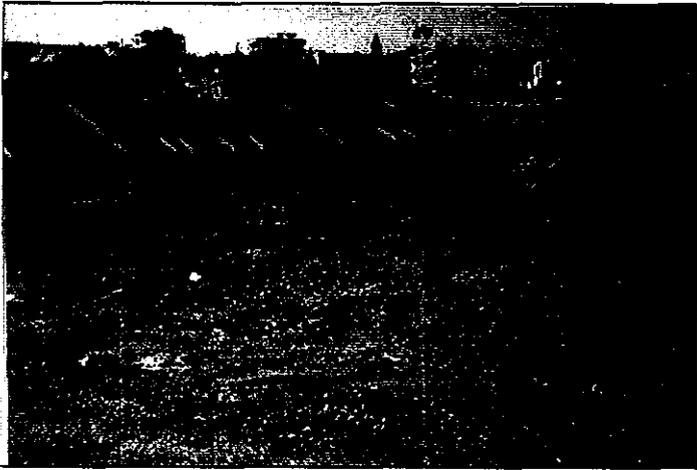


**Construction of village elevated potable water reservoir at Zawtar el Charkiyeh**

**Aaitaroun potable water reservoir**



## **RURAL INFRASTRUCTURE**



**Construction of Bint Jbeil multipurpose court**

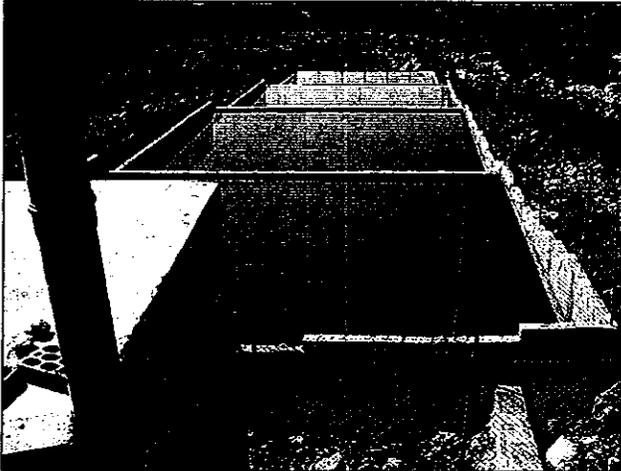


**Construction of water drainage  
canals - Zawtar el Gharbiyeh**

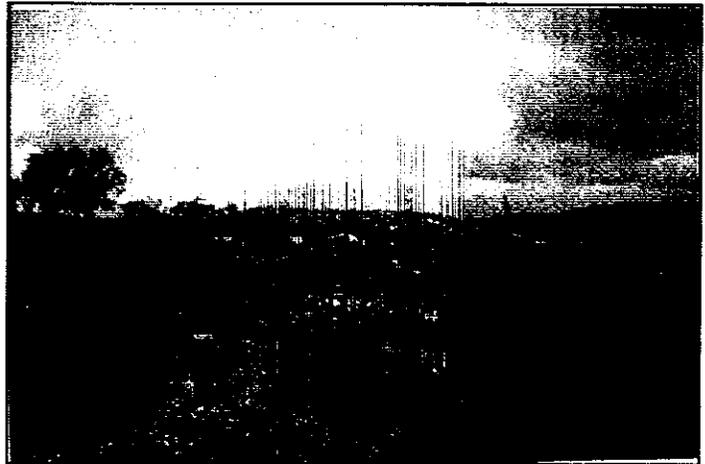


**Retaining walls for village pond**

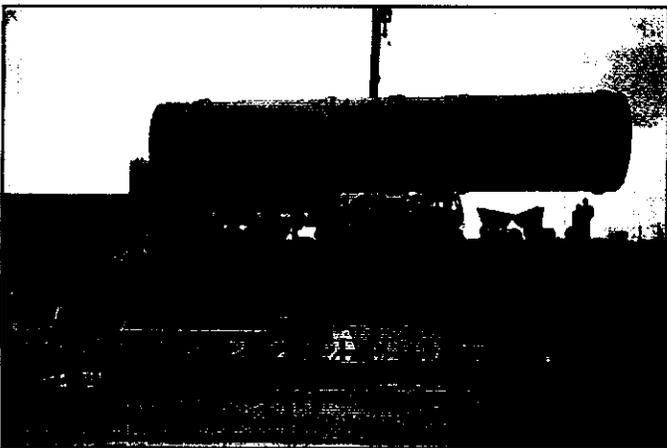
# **COMMUNITY ENVIRONMENTAL MANAGEMENT**



**Waste water management  
system at Marj el Zouhour**

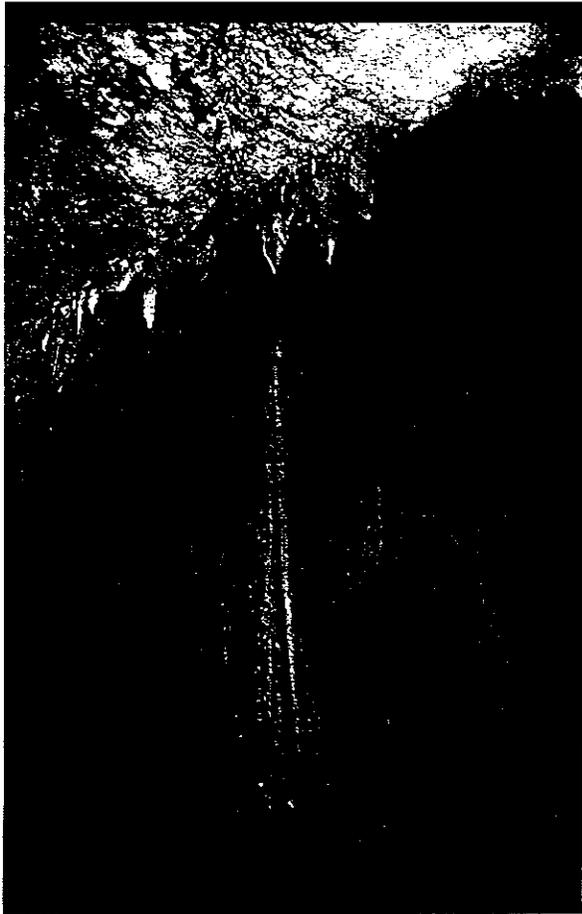


**Reforestation Campaign**



**Delivery of Equipment - Mays el Jabal  
Solid Waste Treatment Center**

# ***ENHANCING LOCAL TOURISM POSSIBILITIES EL RIHANE GROTTO***



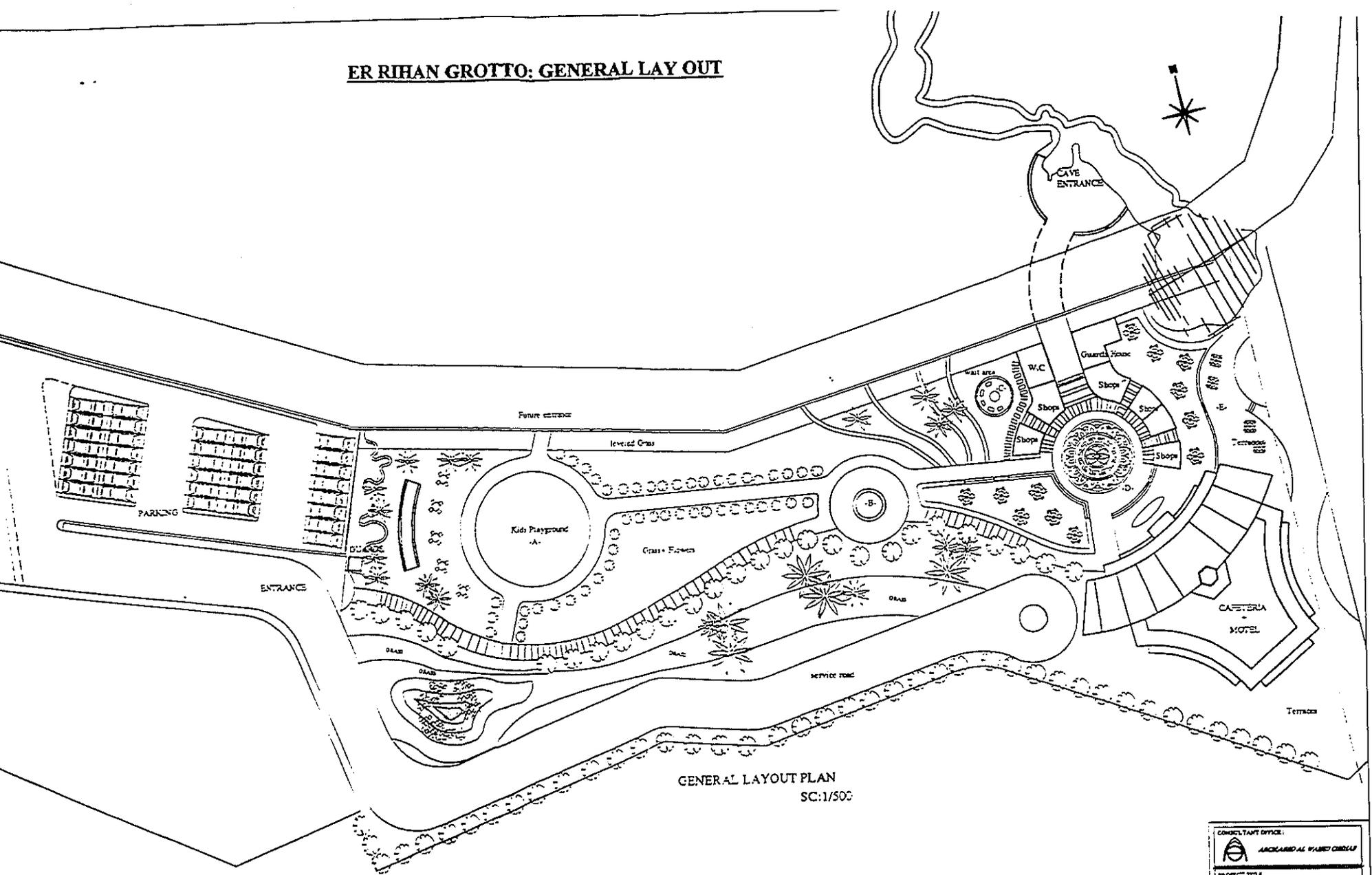
**Construction of access for the grotto is underway**

# ON-GOING PRODUCTION "RURAL DELIGHTS"



Opening ceremony of Ain Ebel  
Carob mill

**ER RIHAN GROTTO: GENERAL LAY OUT**



GENERAL LAYOUT PLAN  
SC:1/500

CONSULTANT OFFICE:	
 <b>AL-RAYHAN AL-WAHEDI GROUP</b>	
PROJECT TITLE:	
<b>AL-RAYHAN TOURISTIC CAVE</b>	
DRAWING TITLE:	
<b>GENERAL LAYOUT PLAN</b>	
ARCH. ENG.	NO
CIVIL. ENG.	APPROVED BY
ELECT. ENG.	PC
M.E.C. ENG.	1/200
DATE	DATE
15/03/2005	15/03/2005
CHECKED BY	

## **IX. ANNEXES**

## YMCA Integrated Rural Development Program

### Listing of Projects

October 1, 1997 - March 31, 2002

Code No.	Cluster	Village	Sector	Project Output	Amount US \$	Status
RI - A / I - 1	I	Akkar El Attika	Agriculture	3150m of agricultural roads, 1 gangway, 1 bridge	24,874	Completed
RI - A / I - 2	I	Akkar El Attika	Agriculture	1820 m long of irrigation canals & 469sq.m of retaining walls	22,220	Completed
RI - A / I - 3	I	Koss Akkar	Agriculture	2,500m long of irrigation canals	32,406	Completed
RI - A / VI - 4	VI	Kfeir	Agriculture	3,150m long of agricultural roads, 1 gangway	10,297	Completed
RI - A / III - 5	III	El Ain	Agriculture	2,550m long of irrigation canals	17,210	Completed
RI - A / III - 6	III	El Nabi 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 Jbell	Agriculture	5,400m long of agricultural roads	11,940	Completed
RI-PW/ IV-9	IV	Aytaroun	Public works	336 m long of drainage canals	5,136	Completed
RI-PW/IV-10	IV	Bint Jbell	Public works	410 sq.m of road retaining walls	9,654	Completed
RI-HE/IV-11	IV	Bint Jbell	Health & Educ	Construction of school rainwater reservoir / 150m <sup>3</sup> volume	6,942	Completed
RI-A / IV - 12	IV	Aytaroun	Agriculture	12,500m long of agricultural road & 330sq.m of retaining walls	33,092	Completed
RI-PW / I - 13	I	Koss Akkar	Public works	Potable water reservoir & 2665 lm networks	14,348	Completed
RI - A / I - 14	I	Koss Akkar	Agriculture	2,500m long of agricultural roads	4,000	Completed
RI - A / I - 15	I	Shakdouf Akkar	Agriculture	1500m long of agricultural roads	8,945	Completed
RI-PW/ VI - 16	VI	Tannoura	Public works	Rehabilitation of water source / pump & accessories	11,160	Completed
RI - A / VI - 17	VI	Tannoura	Agriculture	4050m long of agricultural roads	21,295	Completed
RI - A / III - 18	III	Fakihn	Agriculture	400m long of irrigation canals	7,653	Completed
RI - A / III - 19	III	Zaytoun	Agriculture	2,950m long of irrigation canals	41,972	Completed
RI - A / III - 20	III	Jdaidet El Fakha	Agriculture	3,500m long of irrigation canals	41,559	Completed
RI - A / II - 21	II	Jibrael	Agriculture	700m long of irrigation canals	5,382	Completed
RI - A / VI - 22	VI	Mymenn	Agriculture	6,800m long of agricultural roads	4,800	Completed
RI - A / V - 23	V	Sir El Gharbieh	Agriculture	6,400m long of agricultural roads, 1 gangway	19,459	Completed
RI - A / V - 24	V	Karybeh	Agriculture	2,500m long of agricultural roads	3,800	Completed
RI-PW / V - 25	V	Karybeh	Public works	1100 m long of drainage canals	23,780	Completed
RI - A / I - 26	I	Aayat	Agriculture	400m long of irrigation canals	4,730	Completed
RI - A / V - 27	V	Adahil	Agriculture	2,000m long of agricultural roads, 1 gangway	3,568	Completed
RI - A / VI - 28	VI	Ain Atta	Agriculture	7,500m long of agricultural roads	13,420	Completed

Code No.	Cluster	Village	Sector	Project Output	Amount US \$	Status
RI - A / VI -29	VI	El Khelwat	Agriculture	3,000m long of agricultural roads	10,800	Completed
RI-PW /VI-30	VI	Mymess	Public works	340m long of drainage canals	4,615	Completed
RI-HE/ II I-31	III	Jdaldet El Fakha	Health & Educ	Construction of one public school	27,002	Completed
RI - A / II - 32	II	Tekrit	Agriculture	4,000m long of agr.roads,2gang,1 bridge,275sq.m retain.walls	18,320	Completed
RI - A / I - 33	I	Aayat	Agriculture	1750mlong of agricultural roads,3 gang,30 sq.m retain. walls	3,946	Completed
RI - A / II - 34	II	Jibrael	Agriculture	2,600m long of agr. roads; 7gangways,585sq.m retain walls	9,704	Completed
RI - A / II - 35	II	Belt Mellat	Agriculture	1,620 m long of irrigation canals & 60sq.m retain walls	15,395	Completed
RI - A / I - 36	I	Shakdouf Akkar	Agriculture	2,400m long of irrigation canals	24,836	Completed
RI-PW/ IV-37	IV	Ainata	Public works	590sq.m of road retaining walls	14,335	Completed
RI-PW/IV -38	IV	Bint Jbeil	Public works	515 sq.m retaining walls / village sport facilities	13,800	Completed
RI - A /IV - 39	IV	Bilida	Agriculture	4,700m long of agricultural roads	2,820	Completed
RI - A / IV - 40	IV	Mays El Jabal	Agriculture	10,400m long of agricultural roads	6,120	Completed
RI - A / III -41	III	El Nabi Ousman	Agriculture	2,100m long of irrigation canals	28,987	Completed
RI - A / III -42	III	El Ain	Agriculture	1,600m long of irrigation canals	13,674	Completed
RI-PW /V-43	V	Adshit	Public works	Elevated water reservoir 300m3 capacity	25,747	Completed
RI - A / I - 44	I	Akkar El Attika	Agriculture	600 m long of irrigation canals &629sq.m retain .wals	10,581	Completed
RI - A / I - 45	I	Akkar El Attika	Agriculture	900m long of irrigation canals	11,565	Completed
RI - A / I - 46	I	Koss Akkar	Agriculture	450m long of irrigation canals	5,178	Completed
RI - A / I - 47	I	Koss Akkar	Agriculture	700m long of irrigation canals	9,270	Completed
RI - A / I - 48	I	Aayat	Agriculture	1,000m long of irrigation canals	8,855	Completed
RI-HE /V -49	V	Kfarayr	Health & Exluc	Health plan assessment workshop	1,444	Completed
RI - A / VI -50	VI	Belt Lehya	Agriculture	2100m long of agricultural road	3,600	Completed
RI - A / I - 51	I	ElDawra	Agriculture	1700 m long of irrigation canal	17,778	Completed
RI - A / I - 52	I	ElDawra	Agriculture	500m long of Irrigation canal	4,400	Completed
RI-HE/ I - 53	I	Akkar El Attika	Health & Educ	Construction of one secondary level public school	59,578	Completed
RI-PW/III- 54	III	Jdaldet El Fakha	Public works	Rehabilitation of village potable water networks 7000 meters	32,874	Completed
RI - A / IV -55	IV	Bint Jbeil	Agriculture	Rehabilitation of one rainfed pool	28,775	Completed
RI - A / III -56	III	El Ain	Agriculture	950m longof irrigation canal	11,826	Completed
RI - A / III -57	III	El Nabi Ousman	Agriculture	750m long of irrigation canals	11,547	Completed
RI-PW /V -58	V	Kfarayr	Public works	860 m long of drainage canals	21,780	Completed
RI - A /IV - 59	IV	Aytaroun	Agriculture	1500m long of agricultural roads	4,200	Completed

4/1

Code No.	Cluster	Village	Sector	Project Output	Amount US \$	Status
RI-PW/V - 60	V	Ksaybeh	Public works	Construction of one small bridge	1,450	Completed
RI-PW/V - 61	V	Sir El Gharbieh	Public works	88 sq.m of road retaining walls	1,587	Completed
RI - A /IV - 62	IV	Bilda	Agriculture	6500m long of agricultural roads	6,500	Completed
RI-PW/VI - 63	VI	Kfeir	Public works	160m long of drainage canals	3,039	Completed
RI - A / I - 64	I	Koss Akkar	Agriculture	350m long of irrigation canals&70 sq.m retaining walls	5,557	Completed
RI-PW/VI -65	VI	Kfeir	Public works	Equipping of artesian well /submersible pump	3,250	Completed
RI - A / V - 66	V	Kfarsyr	Agriculture	7000m long of agricultural roads	23,420	Completed
RI - A / VI -67	VI	Ain Harsha	Agriculture	3300m long of agricultural roads, 10m retain.walls, 2gangway	5,003	Completed
RI - A / VI - 68	VI	Ain Atta	Agriculture	Construction of one rainfed pool	32,378	Completed
RI - A / III -69	III	El Nabi Ousman	Agriculture	817 m long of irrigations canals	10,885	Completed
RI - A / VI -70	VI	El Khelwat	Agriculture	2000 m long of agricultural roads , 3 gangways	7,650	Completed
RI - A / VI - 71	VI	Ain Harsha	Agriculture	500 m long of agricultural roads,1 bridge.	8,674	Completed
RI - A / IV - 72	IV	Aytaroun	Agriculture	5000 m long of agricultural roads	14,800	Completed
RI-HE / IV-73	IV	Aytaroun	Health & Educ	Rehabilitation of school sanitary facilities	672	Completed
RI-PW /IV- 74	IV	Mays el Jabal	Public works	90 sq.m of road retaining walls	2,088	Completed
RI -HE / V -75	V	Kfarsyr	Health & Educ	Primary health care workshop	1,905	Completed
RI - A / I - 76	I	Akkar El Attika	Agriculture	1000 m long of agricultural roads	9,850	Completed
RI - A / II - 77	II	Jibrael	Agriculture	1350 m long of agricultural roads &180sq.m of retain walls	5,698	Completed
RI - A / II - 78	II	Beit Mellat	Agriculture	1200 m long of irrigations canals / HDPE lining	17,133	Completed
RI - A / III - 79	III	El Ain	Agriculture	1700 m long of irrigations canals	15,893	Completed
RI - A / III - 80	III	EL Nabi Ousman	Agriculture	1800 m long of irrigations canals / HDPE lining	19,260	Completed
RI-A / VI -81	VI	Tannoura	Agriculture	Construction of one rainfed pool	17,652	Completed
RI -A / V - 82	V	Braykaa'a	Agriculture	400 m long agricultural roads	8,037	Completed
RI -A /IV - 83	IV	Mhaybib	Agriculture	Construction of one rainfed pool	31,452	Completed
RI - A / III -84	III	EL Nabi Ousman	Agriculture	1800 m long of irrigations canals	36,962	Completed
RI - A / III -85	III	El Ain	Agriculture	1000 m long of irrigations canals	12,085	Completed
RI -A / II - 86	II	Tekrit	Agriculture	Rehabilitation of artesian well ; 5000 m irrigations networks	63,907	Execution
RI- HE/ II -87	II	Dahr el Laysyneh	Health & Educ	Construction of one public school	16,494	Completed
RI-PW / III-88	III	El Ain	Public works	750 sq.m of road retaining walls	14,347	Completed
RI-PW /V -89	V	Sir El Gharbleh	Public works	75 sq.m of road retaining walls	760	Completed
RI-PW / V - 90	V	Jibsheets	Public works	1080 m long of drainage canals	28,388	Completed
RI- PW / V- 91	V	Kfarsyr	Public works	455 sq.m of road retaining walls	9,610	Completed
RI - PW / V-92	V	Jibsheets	Public works	570 sq.m of road retaining walls	18,836	Completed
RI- HE / IV-93	IV	Bint Jbell	Health & Educ	Construction of rain water reservoir / health facility	3,626	Completed
RI-PW / IV-94	IV	Ain Ebel	Public works	577 sq.m of road retaining walls	27,106	Completed
RI - A / VI - 95	VI	Beit Lehya	Agriculture	1600 m long of agricultural roads &400 sq.m retain.walls	7,694	Completed

Code No.	Cluster	Village	Sector	Project Output	Amount US \$	Status
RI-PW/VI-96	VI	Mymses	Public works	520 m long of drainage canals	13,960	Completed
RI - A / III-97	III	El Nabi Ousman	Public works	517 sq.m of road retaining walls	9,938	Completed
RI - A / III-98	III	El Nabi Ousman	Agriculture	1750 m long of irrigation canals	22,824	Completed
RI - A / III-99	III	El Ain	Agriculture	Rehabilitation of two water springs	1,368	Completed
RI- HE / 100'	6 clusters		Health & Educ	Dental hygiene campaign	15,895	Completed
RI-PW/VI-101	VI	Ain Harsha	Public works	Rehab. of 1 spring & const of water reservoir 50 m <sup>3</sup> volume	2,887	Completed
RI-A/I-102	I	Akkar El Attika	Agriculture	2500m long of agricultural roads & 4 gangways	6,500	Completed
RI-A/I-103	I	Akkar El Attika	Agriculture	2,100m long of irrigation canals & 160sq.m retaining walls	33,543	Completed
RI-A/I-104	I	Shinkhour Akkar	Agriculture	1,500m long of irrigation canals	12,986	Completed
RI-A/I-105	I	Ayat	Agriculture	Irrigation reservoir & 1500m long of canals & 100 sq.m ret walls	15,303	Completed
RI-A/I-106	I	Akkar El Attika	Agriculture	Irrigation reservoir & 1300m long of irrigation canals	24,677	Completed
RI-A/I-107	I	Akkar El Attika	Agriculture	2000m long of irrigation canals	15,490	Completed
RI-A/I-108	I	Akkar El Attika	Agriculture	1200m long of irrigation canals	8,020	Completed
RI-A/V-109	V	Braykeh	Agriculture	Construction of a water dam & related pool	55,018	Completed
RI-A/V-110	V	Sir El Gharbich	Agriculture	2500m long of agricultural roads & one bridge	19,580	Completed
RI-A/V-111	V	Jibehct	Agriculture	4000 m long of agricultural roads & 2 gangways	7,917	Completed
RI-PW/V-112	V	Kaybch	Public works	Rehnb, water source, water reservoir	14,904	Completed
RI-A/II-113	II	Rahbeh	Agriculture	1,300m long of irrigation canals	9,650	Completed
RI-A/I-114	I	Kosa Akkar	Agriculture	1,200m long of irrigation canals	12,596	Completed
RI-A/II-115	I	El Dawra	Agriculture	1,775m long of irrigation canals & 100 sq.m retaining walls	18,097	Completed
RI-A/II-116	II	Rahbeh	Agriculture	2,800m long of agricultural roads & one bridge	8,540	Completed
RI-PW/VI-117	VI	Marj El Zouhour	Public works	700m long of drainage canals	7,710	Completed
RI-HB/IV-118	IV	Bint Jbeil	Health & Educ	Rehabilitation of school facilities	14,160	Completed
RI-HB/IV-119	IV	Bint Jbeil	Health & Educ	Rehabilitation of public school / sanitary facility	6,178	Completed
RI-HB/IV-120	IV	Mays El Jabal	Health & Educ	Roofing of school playground facility	6,232	Completed
RI-III/VI-121	IV	Ain Elai	Health & Educ	Rehabilitation of school sport facility	17,888	Completed
RI-A/VI-122	II	Beit Mellat	Agriculture	Rehab. of artesian well & 3000 m long of irrigation networks	59,665	Completed
RI-HB/VI-123	VI	Marj El Zouhour	Health & Educ	Rehabilitation of dispensary & provision of equipment & tools	8,759	Completed
RI-HB/IV-124	IV	Ain Ebel	Agriculture	Rehabilitation of water source & irrigation pool	13,528	Completed
RI-HB/VI-125	VI	Kefr	Health & Educ	Rehabilitation of dispensary & provision of equipment & tools	11,793	Completed
RI-HB/V-126	V	Kaybch	Health & Educ	Construction of a youth club facility	24,921	Completed
RI-PW/I-127	I	Dawra	Public works	Potable water reservoir 300 m <sup>3</sup>	11,104	Completed
RI-PW/VI-128	VI	Mymses	Public works	937 sq.m of road retaining walls	14,995	Completed
RI-PW/V-129	V	Klarys	Public works	Installation of 1500 m long of potable water networks	5,000	Completed
RI-HB/VI-130	V	Kefr	Health & Educ	Construction of a football & multipurpose court	10,601	Completed

Code No.	Cluster	Village	Sector	Project Output	Amount US \$	Status
RI-HE/ III -131	III	El Nabi Ousman	Health & Educ	Extension works for a youth club	18,317	Completed
RI-HE/III &VI-132	III&VI	West &North Bekaa	Health & Educ	Training /administrative skills for managing health facilities	2,361	Completed
RI-A/V-133	V	Kfarsyr	Agriculture	Rehabilitation of 1750 m long of agricultural roads	11,724	Completed
RI-A/V-134	V	Jibsheet	Agriculture	Rehabilitation of three water springs& irrigation reservoir	13,244	Completed
RI-A/V-135	V	Kfarsyr	Agriculture	Rehabilitation of 1500 m long of agricultural roads	15,000	Completed
RI-PW/V-136	V	Ksaybeh	Public works	450 m long of drainage canals	10,487	Completed
RI-PW/I-137	I	Shakdouf Akkar	Public works	410 sq.m of road retaining walls	12,955	Completed
RI-PW/ VI-138	VI	Marj El Zouhour	Public works	450 sq.m of road retaining walls	11,457	Completed
RI-A/III-139	III	El Nabi Ousman	Agriculture	Rehab of irrigation reservoir &1000 m of irrigation canals	10,375	Completed
RI-A/I-140	I	Akkar El Attika	Agriculture	5400 m long of agricultural roads & one bridge	7,961	Completed
RI-HE /II-141	II	Tekrit	Health & Educ	Construction of one public school	22,587	Completed
RI-A/I-142	I	Aayat	Agriculture	500 m long of agricultural roads & retaining walls	8,614	Completed
RI-PW/ IV-143	IV	Blnt Jbeil	Public works	280 sq.m of road retaining walls	9,531	Completed
RI-PW/ III-144	III	Jdaideh El Fakha	Public works	Installation of 4000 m long of potable water networks	7,258	Completed
RI-A/VI-145	VI	Khelwat	Agriculture	Construction of one rainfed pool	32,850	Execution
RI-A/VI-146	VI	Kfeir	Agriculture	1500 m long of agricultural roads	4,400	Completed
RI-A/VI-147	VI	Mymess	Agriculture	Construction of one rainfed pool	26,400	Execution
RI-HE /IV-148	IV	Bint Jbeil	Health & Educ	Medical equipment for LRC facility	7,300	Completed
RI-HE /I-149	I	Akkar El Attika	Health & Educ	Workshop / need assesment in educational facilities	1,453	Completed
RI-HE /III-150	III	Jdaideh El Fakha	Health & Educ	Extension works for a private free of charge school	7,812	Completed
RI-A /III-151	III	El Nabi Ousman	Agriculture	2800 m long of agricultural roads	7,200	Completed
RI-PW/VI-152	VI	Beit Lehya	Public works	792 sq.m of road retaining walls	6,396	Completed
RI-PW/V-153	V	Jibsheet	Public works	730 sq.m of road retaining walls	10,685	Completed
RI-PW/VI-154	VI	Ain Atta	Public works	1000 m long of drainage canals	9,586	Completed
RI-HE /VI-155	VI	Tannoura Cluster	Health & Educ	Furnishing of equipment & tools for 3 dispensaries	10,640	Completed
RI-HE /III-156	III	ElAin Cluster	Health & Educ	Furnishing of equipment & tools for 2 dispensaries	7,354	Completed
RI-PW/II-157	II	Rahbeh	Public works	Installation of 750m long of potable water networks	4,280	Completed
RI-A /IV-158	IV	Ainuta	Agriculture	3250 m long of agricultural roads	1,250	Completed
RI-A/III-159	III	El Nabi Ousman	Agriculture	2300 m long of irrigation canals	15,972	Completed
RI-PW/V-160	V	Kfarsyr	Public works	2031 sq.m of road retaining walls	8,778	Completed
RI-A /I-161	I	Dawra	Agriculture	4500 m long of agricultural roads	12,540	Completed
RI-HE /VI-162	VI	Tannoura Cluster	Health & Educ	Technical training for dispensaries personnel	1,351	Completed
RI-HE /II-163	II	Rahbeh	Health & Educ	Medical equipment for health facility	7,000	Completed
RI-PW/VI-164	VI	Tannoura	Public works	640 sq.m of road retaining walls	5,131	Completed
RI-A /II-165	II	Dahr El Laysineh	Agriculture	2000 m long of agricultural roads	6,720	Completed

44

Code No.	Cluster	Village	Sector	Project Output	Amount US \$	Status
RI-A /I-166	I	Shakdouf Akkar	Agriculture	1500 m long of agricultural roads	3,300	Completed
RI-A /VI-167	VI	Mymess	Agriculture	Rehabilitation of one water source&1200 m canals	18,493	Completed
RI-A /II-168	II	Rahbeh	Agriculture	1200 m long of irrigation canals	16,570	Completed
RI-HE/VI- 169	VI	Khelwat	Health & Educ	Rehabilitation of one health facility	2,385	Completed
RI -PW/III-170	III	EL Nabi Ousman	Public works	Construction of one bridge	3,538	Completed
RI-PW/ III-171	III	Jdaideh El Fakiha	Public works	Topographic works for road	5,000	Completed
RI-PW/ III-172	III	Jdaideh El Fakha	Public works	Construction of 2 potable water reservoirs &600 m networks	23,111	Completed
RI-A /VI-173	VI	Mymess	Agriculture	180 sq. m of retaining walls for rainfed pool	2,970	Completed
RI-HE /III-174	III	EL Nabi Ousman	Health & Educ	Rehabilitation& Equipment of one health facility	10,191	Completed
RI-HE /III&VI-175	III&VI	West &North Bekaa	Health & Educ	Needs assesment in educational facilities	1,618	Completed
RI-A / I-176	I	Koss Akkar	Agriculture	Motor for pump	9,700	Completed
RI-A /III-177	III	Jdaideh El Fakiha	Agriculture	2000 m long of irrigation canals	18,178	Completed
RI-A /I-178	I	Aayat	Agriculture	750 m long of agricultural roads	4,710	Completed
RI-PW /I-179	I	Koss Akkar	Public works	675 sq .m of road retaining walls	14,238	Completed
RI-PW /VI-180	VI	ElKhelwat	Public works	Rehabilitation of water source /submersible pump accessories	6,145	Completed
RI-PW / I-181	I	Akkar El Attika	Public works	480 sq.m of road retaining walls	17,520	Completed
RI-PW /VI-182	VI	Tannoura	Public works	400 sq.m of road retaining walls	3,255	Completed
RI-PW /IV-183	IV	Blnt Jbell	Public works	Construction of one potable water reservoir 500 m <sup>3</sup> capacity	23,158	Completed
RI-PW /IV-184	IV	Aytaroun	Public works	Construction of one potable water reservoir 300 m <sup>3</sup> capacity	13,337	Completed
RI-A/IV-185	IV	Hanine	Agriculture	Construction of one rainfed pool	10,478	Completed
RI-A/IV-186	IV	Hanine	Agriculture	1000 m long of agricultural roads	976	Completed
RI-PW /IV-187	IV	Kantara	Public works	Construction of one elevated potable water reservoir 350m <sup>3</sup> capacity	51,250	Execution
RI-PW /IV-188	IV	Rab et Talatine	Public works	Rehabilitation of one potable water reservoir 100 m <sup>3</sup> capacity	11,300	Completed
RI-A/IV-189	IV	Bany Hayan	Agriculture	2175 m long of agricultural roads	1,143	Completed
RI-A/III-190	III	El Ain	Agriculture	230 sq.m of road retaining walls	3,463	Completed
RI-A /VIII-191	VIII	Soujoud	Agriculture	Construction of one rainfed pool	14,255	Completed
RI-A /VIII-192	VIII	El Rihane	Agriculture	Construction of one rainfed pool	9,970	Completed
RI-A /VIII-193	VIII	El Kotranah	Agriculture	4000 m long of agricultural roads	5,400	Completed
RI-A /VIII-194	VIII	El Srre	Agriculture	5500 m long of agricultural roads	5,815	Completed
RI-A /VIII-195	VIII	Mlikh	Agriculture	1000 m long of agricultural roads	0	Cancelled
RI-A /VIII-196	VIII	Aramta	Agriculture	4000 m long of agricultural ronds& 4 gangways	7,135	Execution
RI-A /VIII-197	VIII	El Rihane	Agriculture	Irrigation Reservoir &related canals	8,525	Completed
RI-PW /VI-198	VI	Alta El Foukhar	Public works	Potable water reservoir 500 m <sup>3</sup> capacity	27,000	Execution
RI-A /VI-199	VI	Alta El Foukhar	Agriculture	Rehabilitation of one mill	17,512	Completed
RI-A /VI-200	VI	Bekka	Agriculture	Rehabilitation of 4 water sources	10,568	Completed

45

Code No.	Cluster	Village	Sector	Project Output	Amount US \$	Status
RI-A /VI-201	VI	Mdoulcha	Agriculture	Rehabilitation of 3 water sources	6,113	Completed
RI-PW /I-202	I	Akkar El Attika	Public works	Construction of one bridge	21,720	Completed
RI-PW /I-203	V	Zawtar El Gharbieh	Public works	Construction of one potable water reservoir	2,768	Completed
RI-A /VII-204	VII	Aachiyeh	Agriculture	5000 m long of agricultural roads& 4 gangways	3,000	Completed
RI-PW /IV-205	IV	Aln Ebel	Public works	210 sq.m of road retaining walls	5,391	Completed
RI-PW /I-206	V	Braykaa'a	Public works	590 sq.m of road retaining walls	6,465	Completed
RI-PW /VI-207	VI	Aln Arab	Public works	Rehab.of 2 water sources &3000 m long of potable water networks	27,391	Completed
RI-PW /VIII-208	VIII	Srire	Public works	One submersible pump	,600	Completed
RI-PW /V-209	V	Zawtar El Chardeh	Public works	Elevated water reservoir 300m3 capacity	37,500	Execution
RI-A /VI-210	VI	Khirbet Rouha	Agriculture	Construction of one rainfed pool	16,227	Completed
RI-A /IV-211	IV	Hanine	Agriculture	5800 m long of agricultural roads	4,510	Completed
RI-A /I-212	I	Akkar El Attika	Agriculture	3000 m long of agricultural roads	16,920	Completed
RI-A /I-213	I	Akkar El Attika	Agriculture	Rehabilitation of one artesian well	24,500	Execution
RI-A /I-214	I	El Dawra	Agriculture	Construction of one bridge / agricultural roads	21,903	Completed
RI-HE /IV-215	IV	Dhaira	Health & Educ	Construction of one public school	10,932	Completed
RI-HE /V-216	V	Zawtar El Gharbieh	Health & Educ	one multipurpose court	8,837	Completed
RI-HE /I-217	I	Kaws Akkar	Health & Educ	Construction of one public school	25,397	Completed
RI-HE /IV-218	IV	Bint Jbel	Health & Educ	One multipurpose court	15,790	Completed
RI-A /V-219	V	Zawtar El Gharbieh	Agriculture	Construction of one rainfed pool & drainage canals	25,000	Execution
RI-A /V-220	V	Arnoun	Agriculture	Construction of one rainfed pool	28,000	Contracting
RI-PW /VI-221	VI	Tannoura Cluster	Public Works	Potable water project for beit lahya ,tannoura and ain harcha	48,000	Execution
RI-A /IV-222	IV	Bany Hayn	Agriculture	Construction of one rainfed pool	10,615	Completed
RI-A /II-223	II	Rahbeh	Public Works	Construction of one bridge	26,945	Execution
RI-HE /IV-224	IV	Dhaira	Health & Educ	Rehabilitation of cooperative community center	8,200	Completed
RI-HE /IV-225	IV	Aln Ebel	Health & Educ	Rehabilitation of cooperative community center	8,619	Completed
	II	Jibrael	Agriculture	Agriculture demonstration plot / skills training	34,645	On going
	I	Akkar El Attika	Agriculture	Prototype farm / dwarf fruit trees &agricultural skills training	22,057	On going
	III	El Ain	Agriculture	Prototype farm / dwarf fruit trees &agricultural skills training	18,531	On going
	V	Kfarsyr Cluster	Agriculture	Agricultural skills training / olive production &pest control	500	Completed
	VI	Tannoura Cluster	Agriculture	Agricultural skills training / olive production &pest control	518	Completed
<b>Total Rural Infrastructure</b>					<b>U.S.\$</b>	<b>3,146,019</b>

Code No.	Cluster	Village	Sector	Project Output	Amount US \$	Status
EM / I - 1	I	Akkar El Attika	Environment	One waste water management system	64,904	Execution
EM / VI - 2	VI	Tannoura Cluster	Environment	Reforestation of 2485 trees - related irrigation facilities	12,928	Completed
EM / V - 3	V	Sir El Gharbiyah	Environment	Workshop on solid waste management	2,609	Completed
EM / II - 4	II	Tekrit	Environment	Solid waste containers	2,000	Completed
EM / I - 5	I	Koss Akkar	Environment	One waste water management system	145,799	Execution
EM / V - 6	V	Nabatiyeh el Fawka	Environment	Solid waste treatment center & public awareness campaigns	190,000	Execution
EM / V - 7	V	Kfarsyr Cluster	Environment	Reforestation of 1800 trees -related irrigation facilities	5,725	Completed
EM / I - 8	I	Akkar Cluster	Environment	Reforestation of 1000 trees	3,206	Completed
EM / VI - 9	VI	Marj El Zouhour	Environment	One waste water management system	131,834	Completed
EM / II -10	II	Rahbeh	Environment	Capacity Building &Environment Education	14,851	Completed
EM / II - 11	II	Jibrael	Environment	Solid waste treatment center	3,629	Cancelled
EM / IV -12	IV	Bint Jbeil	Environment	Reforestation of 1700 trees	6,375	Completed
EM / V -13	V	Kfarsyr	Environment	Rehabilitation of one spring & public park	4,759	Completed
EM/VI-14	VI	Tannoura Cluster	Environment	Water source mapping-quality analysis	1,526	Completed
EM / V -15	V	Kfarsyr Cluster	Environment	Solid waste treatment center	221,567	Completed
EM / VI -16	VI	Kfeir	Environment	Reforestation & environmental activities	21,274	Completed
EM /I&II -17	I&II	Akkar &Tekrit	Environment	Water source mapping-quality analysis	19,894	Completed
EM / III -18	III	El Nabi Ousman	Environment	One Public park	23,733	Execution
EM / V -19	V	Kfarsyr	Environment	One Public park	14,811	Execution
EM / VI -20	VI	Kfeir	Environment	Rehabilitation & protection of pine forest	9,035	Completed
EM / V -21	V	Mays EL Jabal	Environment	Solid waste treatment center & public awareness campaigns	245,000	Execution
EM / I -22	I	Akkar El Attika	Environment	Solid waste treatment center & public awareness campaigns	278,203	Execution
EM / III -23	III	Nabi Ousman	Environment	Awarness on pesticide use &safety measures	15,000	Execution
EM / I -24	I	Akkar El Attika	Environment	One waste water management system & networks	65,000	Execution
EM / VI -25	VI	Ain Harcha	Environment	One waste water management system & networks	120,000	Execution
EM / VI -26	VI	Yanta	Environment	One waste water management system & networks	307,000	Execution
EM / VI -27	VI	Kfeir	Environment	One waste water management system & networks	293,000	Execution
EM / 28		All Clusters	Environment	Environmental Education: equipment & training of youth school clubs	15,000	Execution
EM / VI -29	VI	Tannoura Cluster	Environment	Environmental Education in Rachaya/Hasbaya Cluster	11,598	Execution
EM / VIII -30	VIII	Rihane	Environment	Construction of access & tourism facilities for el Rihane grotto	45,000	Execution
EM / VI -31	IV	Bint Jbeil	Environment	Solid waste treatment center & public awareness campains	190,000	Execution
EM / VI -32	VI	Mymess	Environment	One waste water management system	58,000	Execution
EM / VI -33	VII	Maarakeh	Environment	Solid waste treatment center & public awareness campaigns	200,000	Execution
<b>Total Environmental activities</b>				<b>U.S. \$</b>	<b>2,743,260</b>	
<b>Total Rural &amp; Environmental Infrastructure</b>				<b>U.S. \$</b>	<b>5,889,279</b>	

47

**YMCA Integrated Rural Development Program**  
**Summary Table : Activity Progress Report - Impact Indicator - Agricultural Sector**  
 October 1, 1997 - March 31,2002

Cluster	Indicator	Project Output	Amount US \$	Contrib. US\$	Planned	Actual to date
I- Akkar El Attika	1.1.1.b	28,000 m long of agricultural roads, 4 gangways	488,408	285,143	690	690
	1.1.1.c	3 bridges, 1958 sq.m retaining walls, prototype farm & skills train.			306	83
	1.1.1.a	24,295m long of irrigation canals, 2 irrigation reservoirs, water pump, artesian well			347	236
	1.1.1.d				455	455
II- Tekrit	1.1.1.b	12,750m long of agricultural roads, 9 gangways, 2 bridges,	271,329	204,529	74	74
	1.1.1.c	1350sq.m retaining walls, demonstration plot & training			105	37
	1.1.1.a	18,620 m long of irrigation canals, rehab. of 2 artesian wells (3 pumps)			120	120
	1.1.1.d				80	80
III- El Ain	1.1.1.b	2,800 m long of agricultural roads	380,684	152,624	20	20
	1.1.1.c	29,967 m long of irrigation canals, 240 sq.m retaining walls rehab. of 2 water sources & irrigation reservoir, prototype farm & train.			15	8
	1.1.1.a				234	203
	1.1.1.d				342	342
IV- Bint Jbeil	1.1.1.b	55,825 m long of agricultural roads, 330 sq.m of retaining walls	185,319	172,500	1039	1039
	1.1.1.c				1217	144
	1.1.1.a	4 rainfed pools, rehabilitation of one source & irrigation reservoir			255	215
	1.1.1.d				80	80
V- Kfarsyr	1.1.1.b	28,450m long of agricultural roads, 4 gangways, 1 bridge, agric training	234,267	231,611	331	331
	1.1.1.c				191	131
	1.1.1.a	rehab. of 3 water springs & irrigation reservoir, one water dam & related pool, 2 rainfed pools 600 m drainage canals			30.5	11.5
	1.1.1.d				3	3
VI- Tannoura	1.1.1.b	34,500 m long of agricultural roads, 6 gangways, rehab. of one mill	279,314	335,561	464	364
	1.1.1.c	1 bridge, 766 sq.m retaining walls & agricultural training			158	119
	1.1.1.a	5 rainfed pools & rehab of 10 water sources & 1200 m canals & 180 sq.m retain. walls/pool			125	106
	1.1.1.d				7	7
VIII- El Rihane	1.1.1.b	18,115 m long of agricultural roads	54,100	43,915	150	150
	1.1.1.c	2 rainfed pools, irrigation reservoir & related canals			159	-
	1.1.1.a				98.5	22.5
Total	1.1.1.b	180,440m long of agricultural roads, 23 gangways, 7 bridges, 4,644 sq.m retain walls, rehab. of one mill, 3 prototype farms & 23 sessions of skills training	1,893,421	1,425,583	2768	2668
	1.1.1.c				2151	522
	1.1.1.a	72,882 m long of irrig canals, 6 irrig reservoirs & one dam & irrigation water pumps & 180 sq.m retaining walls for rainfed pool			1210	913
	1.1.1.d				967	967

48

Village	Indicator	Project Output	Amount US\$	Contrib US\$	Status	Planned	Actual to Date
<b>Cluster 1 : Akkar El Attika ( Akkar El Attika ( Koss Akkar , Shakhdouf Akkar) , ElDawra , Aayat .)</b>							
Akkar El Attika	1.1.1 b&c	3150m of agricultural roads, 1 gangway, 1 bridge	24,874	37,600	Completed	110/30 hect	110/ 27
Akkar El Attika	1.1.1 a&d	1820 m long of irrigation canals & 469 sq.m retain walls	22,220	6,200	Completed	6/40 hect	6/40
Akkar El Attika	1.1.1 a&d	600m long of irrigation canals & 629 sq.m retain walls	10,581	5,000	Completed	8/15 hect.	8/15
Akkar El Attika	1.1.1 a&d	900m long of irrigation canals	11,565	4,000	Completed	25/35 hect	25/35
Akkar El Attika	1.1.1 b	1000m long of agricultural roads	9,850	2,667	Completed	31 hect	31'
Akkar El Attika	1.1.1 b&c	2600m long of agricultural roads	6,500	10,000	Completed	300/24	300/24
Akkar El Attika	1.1.1 a&d	2100 m long of irrigation canals & 160sq.m retain walls	33,543	13,500	Completed	100/100 hect	27/100
Akkar El Attika	1.1.1 a&d	irrigation reservoir & 600 m long of irrigation canals & 250 sq.m retain walls	24,677	7,000	Completed	13/39hect	13/39
Akkar El Attika	1.1.1 a&d	2000m long of irrigation canals	18,490	6,500	Completed	10/20 hect	10/20
Akkar El Attika	1.1.1 a&d	800m long of irrigation canals	8,020	3,200	Completed	5/10 hect	5/10
Akkar El Attika	1.1.1 b&c	5400m of agricultural roads & one bridge	7,961	12,500	Completed	40/30 hect	40/4
Akkar El Attika	-	prototype farm / dwarf fruit trees & agricultural skills training	22,057	5,000	On going	-	-
Akkar El Attika	1.1.1 b&c	3000m long of agricultural roads	16,920	3,000	Completed	22/38 hect	22/-
Akkar El Attika	1.1.1 a	Rehabilitation of one artesian well	24,500	14,000	Execution	38 hect	-
Koss Akkar	1.1.1 c	2,500m of agricultural roads	4,000	5,000	Completed	15 hect	15
Koss Akkar	1.1.1 a	2,500m long of irrigation canals	32,406	16,334	Completed	25 hect.	25
Koss Akkar	1.1.1 a&d	450m long of irrigation canals	5,178	2,000	Completed	5/7 hect.	5/7
Koss Akkar	1.1.1 a&d	700m long of irrigation canals	9,270	3,200	Completed	5/10 hect.	5/10
Koss Akkar	1.1.1 a	350m long of irrigation canals & 70sq.m retain walls	5,557	1,850	Completed	35 hect	35
Koss Akkar	1.1.1 a&d	1200 m long of irrigation canals	12,596	6,000	Completed	10/31 hect	10/31
Koss Akkar	1.1.1 d	water pump for irrigation	9,700	4,667	Completed	66 hect	66
Shakhdouf Akkar	1.1.1 b&c	1500m long of agricultural roads	8,945	24,600	Completed	2/3 hect	2/2
Shakhdouf Akkar	1.1.1 a&d	2,400m long of irrigation canals	24,836	11,000	Completed	9/19 hect.	9/19
Shakhdouf Akkar	1.1.1 a&d	1500 m long of irrigation canals	12,986	5,000	Completed	8/23 hect	8/23
Shakhdouf Akkar	1.1.1 b&c	1500 m long of agricultural roads	3,300	3,000	Completed	26/20 hect	26/ 2
ElDawra	1.1.1 a&d	1700m long of irrigation canals	17,778	6,000	Completed	4/6 hect	4/6
ElDawra	1.1.1 n	500m long of irrigation canals	4,400	1,200	Completed	15 hect	15
ElDawra	1.1.1 a&d	1775 m long of irrigation canals & 100 sq.m retain walls	18,097	7,775	Completed	13/16 hect	13/16
ElDawra	1.1.1 b&c	4500 m of agricultural roads	12,540	9,000	Completed	113/30 hect	113/ 12
ElDawra	1.1.1 b&c	Construction of one bridge	21,903	8,000	Completed	31/28 hect	31/-
Aayat	1.1.1 a&d	400m long of irrigation canals	4,730	1,600	Completed	2/8 hect	2/ 8
Aayat	1.1.1 b&c	1750m long of agricultural roads, 3 gangways, 30 sq.m retain walls	3,946	22,000	Completed	10/8 hect.	10/8
Aayat	1.1.1 d	1,000m long of irrigation canals	8,855	2,900	Completed	3 hect.	3
Aayat	1.1.1 a&d	rehab of one irrig reservoir & 1000m long of irrig. Canals & 100 sq.m retain walls	15,303	5,100	Completed	11/7 hect	11/7
Aayat	1.1.1 b&c	750m long of agricultural roads	4,710	5,400	Completed	-	-
Aayat	1.1.1 b&c	500m of agricultural roads & 150 sq.m retain walls	8,614	3,350	Completed	8/4 hect	8/ -
<b>Total</b>	<b>1.1.1.b&amp;c</b>	<b>28 km long agricultural roads , 4 gangways , 3 bridges, 1955 sq.m retaining walls , prototype farm &amp; agr.skills training</b>	<b>455,408</b>	<b>285,143</b>		<b>690/306</b>	<b>690/83</b>
	<b>1.1.1.a&amp;d</b>	<b>24,295 m long of irrigation canals &amp; 2 reservoirs, water pump, artesian well</b>				<b>347/455</b>	<b>236/455</b>

Village	Indicator	Project Output	Amount US\$	Contrib US\$	Status	Planned	Actual to Date
<b>Cluster II : Tekrit / Tekrit, Eslat , Jibrael, Dahr El Layayneh , Beit Mellat , Rahbeh</b>							
Tekrit	1.1.1 b&c	4,000m long of agr.roads & 2gangways,1 bridge,275sq.m retain.walls	18,320	58,500	Completed	27/18 hect.	27/18
Tekrit	1.1.1 a	rehabilitation of one artesian well,4000 m long of irrigation networks	63,907	19,250	Execution	48 hect	48
Jibrael	1.1.1 a&d	700m long of irrigation canals	5,382	2,530	Completed	2/4 hect	2/4
Jibrael	1.1.1 b&c	2,600m long of agr. roads; 7gangways,585sq.m retaining walls	9,704	47,933	Completed	7/12 hect.	7/12
Jibrael	1.1.1 b&c	1350 m long of agr. roads; 180 sq.m retaining walls	5,608	9,850	Completed	4/15 hect	4/5
Jibrael	-	agricultural demonstration plot & training sessions	34,645	-	On going	-	-
DahrEl Layayneh	1.1.1 b&c	2000 m long of agricultural roads	5,720	4,000	Completed	15/20 hect	15/ -
Beit Mellat	1.1.1 a	1,620 m long of irrigation canals & 60sq.m retain walls	15,395	5,000	Completed	8 hect.	8
Beit Mellat	1.1.1 d	1200m long of irrigation canals / HDPE lining	17,133	3,000	Completed	20 hect	20
Beit Mellat	1.1.1 a&d	rehabilitation of one artesian well,8600 m long of irrigation networks	89,665	20,666	Completed	50/2 hect	50/2
Rahbeh	1.1.1 a&d	1300m long of irrigation canals	9,650	4,000	Completed	8/26 hect	8/26
Rahbeh	1.1.1 b&c	2800 m long of agricultural roads & one bridge&250sq.m retain walls	8,540	21,800	Completed	21/40 hect	21/2
Rahbeh	1.1.1 a&d	1200m long of irrigation canals	16,670	8,000	Completed	4/28 hect	4/28
Total	1.1.1.b&c	12,750 m long of agricultural roads, 9 gangways, 2 bridges 1350 sq.m retain walls , Demonstration plot & agr training	271,329	204,829		74/105	74/37
	1.1.1.a&d	18,620 m long of irrigation canals, rehab of 2 artesian wells( 3 pumps )				120/80	120/80
<b>Cluster III : ElAin / Jdaidet El Fakiha , Fakiha &amp; Zaytoun, ElAin, ELNabi Ousman</b>							
Fakha	1.1.1 a	400m long of irrigation canals	7,653	2,000	Completed	5 hect.	5
Jdaidet El Fakiha	1.1.1 a	3,500m long of irrigation canals	41,559	12,250	Completed	32 hect	32
Jdaidet El Fakiha	1.1.1 a & d	2,000m long of irrigation canals	18,178	8,100	Completed	33/ 69 hect	5 / 69
Zaytoun	1.1.1 a	2,950m long of irrigation canals	41,972	20,650	Completed	25 hect	25
El Ain	1.1.1 a&d	1600m long of irrigation canals	13,674	3,040	Completed	6/4 hect.	6/4
El Ain	1.1.1 a	2,550m long of irrigation canals	17,210	16,450	Completed	53 hect.	53
El Ain	1.1.1 a&d	950 m long of irrigation canals	11,826	3,800	Completed	2/4 hect.	2/4
El Ain	1.1.1 a	1000m long of irrigation canals	12,085	5,133	Completed	7 hect	7
El Ain	1.1.1 a&d	1700 m long of irrigation canals	15,893	2,350	Completed	15/26 hect	15 /26
El Ain	1.1.1 a&d	rehabilitation of two water sources	1,368	300	Completed	5/40 hect	2/40
El Ain	1.1.1 d	240 sq.m retaining walls for irrigation canals	3,463	4,100	Completed	3 hect	3
El Nabi Ousman	1.1.1 a	2,100m long of irrigation canals	28,987	7,000	Completed	15 hect.	15
El Nabi Ousman	1.1.1 a	1,200m long of irrigation canals	13,260	12,800	Completed	3 hect.	3
El Nabi Ousman	1.1.1 d	750 m long of irrigation canals	11,547	4,970	Completed	4 hect.	4
El Nabi Ousman	1.1.1 d	817 m long of irrigation canals	10,886	6,822	Completed	17 hect	17
El Nabi Ousman	1.1.1 d	1800 m long of irrigation canals	36,962	12,000	Completed	33 hect	33
El Nabi Ousman	1.1.1 d	1600 m long of irrigation canals/ HDPE Lining	19,260	2,000	Completed	20 hect	20
El Nabi Ousman	1.1.1 d	1750 m long of irrigation canals	22,824	6,673	Completed	55 hect	55
El Nabi Ousman	1.1.1 a&d	rehabilitation of irrigation reservoir&1000 m long of irrigation canals	10,375	3,100	Completed	7/12 hect	7/12
El Nabi Ousman	1.1.1 b&c	2800 m long of agricultural roads	7,200	1,500	Completed	20/15 hect	20/8
El Nabi Ousman	1.1.1 a&d	2300 m long of irrigation canals	18,972	12,586	Completed	26/ 58 hect	26 / 58
El Nabi Ousman	-	prototype farm / dwarf fruit trees & agricultural skills training	18,831	6,000	On going	-	-
Total	1.1.1.a&d	29,967 m long of irrigation canals , 240 sq.m retaining walls , rehab.2 water sources & one irrigation reservoir ,prototype farm & agricultural skills training	380,664	152,624		234/342	203/342
	1.1.1.b&c	2800 m long of agricultural roads				20/15	20/8

50

Village	Indicator	Project Output	Amount US\$	Contrib US\$	Status	Planned	Actual to Date
<b>Cluster IV : Bint Jbeil [ Bint Jbeil, Aytaroun, Maroun El Ras, Blida, Mays El Jabal, Mhaybib, Ainata, Ain Ebel, Hanine, El Kantara, Bany Hayan, Rabb et Talatine, Taibe, Talloussa, Markaba, Houla, Zalloutiyé, Dhatra, Marouahine, Btalchiyé, Yarine, Yaroun ]</b>							
Bint Jbeil	1.1.1 b&c	5,400m long of agricultural roads	11,940	13,600	Completed	42/55 hect.	42/14
Bint Jbeil	1.1.1.a	Rehabilitation of one rainfed pool	28,775	14,500	Completed	200 hect	200
Aytaroun	1.1.1 b&c	12,500m of agricultural road & 330 sq.m retaining walls	33,092	22,000	Completed	600/900 hect.	600/83
Aytaroun	1.1.1 b&c	1,500m long of agricultural roads	4,200	6,000	Completed	15/35 hect	15/-
Aytaroun	1.1.1 b&c	3000 m long of agricultural roads	14,800	20,000	Completed	105/45 hect	105/-
Maroun El Ras	1.1.1 b&c	2,600m long of agricultural roads	3,120	6,400	Completed	30/23 hect.	30/12
Blida	1.1.1 b&c	4,700m long of agricultural roads	2,820	18,800	Completed	39/20 hect.	39/20
Blida	1.1.1 b&c	6,500m long of agricultural roads	6,500	13,000	Completed	29/17 hect.	29/-
Mays El Jabal	1.1.1 b&c	10,400m long of agricultural roads	6,120	21,000	Completed	130/80 hect.	130/15
Mhaybib	1.1.1.a & d	Construction of one rainfed pool	31,452	9,000	Completed	5/40 hect	5/40
Ainata	1.1.1 b&c	3250 m long of agricultural roads	1,250	6,500	Completed	30/25 hect	30/ -
Ain Ebel	1.1.1.a & d	Rehabilitation of one source & irrigation reservoir	13,528	5,000	Completed	10/20 hect	10/20
Hanine	1.1.c	1,000m long of agricultural roads	976	2,000	Completed	6 hect	-
Hanine	1.1.1a	Rehabilitation of one rainfed pool	10,478	3,000	Completed	20 hect	-
Hanine	1.1.b&c	2,800 m long of agricultural roads	4,510	6,500	Completed	8/20 hect	8/-
Bany Hayan	1.1.1 b&c	2,175m long of agricultural roads	1,143	2,000	Completed	11/11 hect	11/-
Bany Hayan	1.1.1 a&d	Construction of one rainfed pool	10,615	3,200	Completed	20/20 hect	-/20
<b>Total</b>	<b>1.1.1.a&amp;d</b>	<b>4 rainfed pools, rehab of one source &amp; irrigation reservoir</b>	<b>185,319</b>	<b>172,500</b>		<b>255/80</b>	<b>215/80</b>
	<b>1.1.1.b&amp;c</b>	<b>55,825 m long of agricultural roads, 330sq.m retaining walls</b>				<b>1039/1217</b>	<b>1039/144</b>
<b>Cluster V : Kfarsyr [ Adshit, Brayka'a, Kfarsyr, Kaaybeh, Sir El Gharbleh, Jibsheet, Nabatiye, Malfadoun, Choukine, Nabatiye El Faouqa, Kfar Tebnit, Arnoun, Habbouch, Qaqalet Elar, Kfarroumann, Zaoutar El Gharbiye, Zaoutar Ech Charqiye ]</b>							
Adshit	1.1.1 b&c	2,000m long of agricultural roads, 1 gangway	3,568	6,100	Completed	35/7 hect.	35/11
Brayka'a	1.1.1 b&c	400 m long of agricultural roads	8,037	2,500	Completed	50/12 hect	50/18
Brayka'a	1.1.1.a	construction of a water dam & related pool	55,018	9,800	Completed	20 hect	10
Kfarsyr	1.1.1 b&c	7,400m long of agricultural roads	23,420	7,920	Completed	22/55 hect.	22/34
Kfarsyr	1.1.1 b&c	rehabilitation of 1750m long of agricultural roads	11,724	26,000	Completed	20/20 hect.	20/16
Kfarsyr	1.1.1 b&c	rehabilitation of 1500m long of agricultural roads	15,000	42,000	Completed	10/ 5 hect.	10 /5
Kaaybeh	1.1.1 b&c	2,500m long of agricultural roads	3,800	32,000	Completed	77/10 hect.	77/11
Kaaybeh	-	agricultural skills training /olive production & pest control	500	-	Completed	-	-
Sir El Gharbleh	1.1.1 b&c	6,400m long of agricultural roads, 1 gangway	19,459	65,000	Completed	97/25 hect	97/18
Sir El Gharbleh	1.1.1 b&c	2,500m long of agricultural roads, 1 bridge	19,580	4,400	Completed	5/20 hect	5 /5
Jibsheet	1.1.1 b&c	4000 m long of agricultural roads, 2 gangways	7,917	3,391	Completed	15/37 hect	15 /13
Jibsheet	1.1.1.a&d	rehabilitation of three water springs & irrigation reservoir	13,244	10,000	Completed	1.5/3 hect	1.5/3
Arnoun	1.1.1.a	Construction of one rainfed pool	28,000	8,000	Contracting	4 hect	-
Zaoutar El Gharbiye	1.1.1.a	Construction of one rainfed pool & 600 m drainage canals	28,000	14,800	Execution	5 hect	-
<b>Total</b>	<b>1.1.1.b&amp;c</b>	<b>28,450 m long of agricultural roads, 4 gangways, 1 bridge</b>	<b>234,267</b>	<b>231,611</b>		<b>331/191</b>	<b>331/131</b>
	<b>1.1.1.a&amp;d</b>	<b>rehabilitation of three water springs &amp; irrigation reservoir &amp; 600m long drainage canals, construction of water dam &amp; related pool, 2 rainfed pools</b>				<b>30.5/3</b>	<b>11.5/3</b>

Village	Indicator	Project Output	Amount US\$	Contrib US\$	Status	Planned	Actual to Date
<b>Cluster VI : Tannoura [ Tannoura, Mymess , Kfeir , El Khelwat , Belt Lehya, Ain Haraha , Ain Atta , Marj El Zouhour, Atta El Foukhar , Ain Arab , Yanta, Bekka , Mdoukha , Khirbet Rouha ]</b>							
Tannoura	1.1.1 b&c	4,050m long of agricultural roads	21,298	32,400	Completed	43/10 hect	43/20
Tannoura	1.1.1 a	construction of one rainfed pool	17,652	3,730	Completed	10 hect	10
Mymess	1.1.1 b&c	5,800m long of agricultural roads	4,800	61,200	Completed	62/27hect.	62/19
Mymess	1.1.1 a	construction of one rainfed pool	26,400	7,000	Execution	50 hect	50
Mymess	1.1.1 a	180 sq. m of retaining walls for rainfed pool	2,970	3,500	Completed	20 hect	-
Mymess	1.1.1 d	rehabilitation of water source & 1200 m long of canals	18,493	13,333	Completed	3 hect	3
Mymess	-	agricultural skills training / olive production & pest control	518	-	Completed	-	-
Kfeir	1.1.1 b&c	3.150m of agricultural roads, 1 gangway	10,297	15,500	Completed	110/20 hect.	110/25
Kfeir	1.1.1 b&c	1500 m long of agricultural roads	4,400	30,000	Completed	-	-
El Khelwat	1.1.1 b&c	3,000m long of agricultural roads,	10,800	44,000	Completed	15/10 hect.	15/7
El Khelwat	1.1.1 b&c	2,000m long of agricultural roads, 3 gangways	7,650	8,600	Completed	6/8hect	6/6
El Khelwat	1.1.1 a	construction of one rainfed pool	32,850	7,500	Execution	20 hect	20
Belt Lehya	1.1.1 b&c	2,100m long of agricultural roads	3,600	9,600	Completed	13/5 hect	13/5
Belt Lehya	1.1.1 b&c	1,600m long of agricultural roads & 700 sq.m retain.walls	7,694	8,700	Completed	5/20 hect	5/3
Ain Haraha	1.1.1 b&c	3,300m long of agricultural roads,2 gangways,66sq.m retain.walls	5,003	9,250	Completed	30/10 hect	30/8
Ain Haraha	1.1.1 b	500 m long of agricultural roads, one bridge	8,674	3,500	Completed	5 hect	5
Ain Atta	1.1.1 b&c	7,500m long of agricultural roads	13,420	36,000	Completed	75/51hect.	75/26
Ain Atta	1.1.1 a	construction of one rainfed pool	32,378	15,600	Completed	10 hect.	10
Bekka	1.1.1.d	rehabilitation of 4 water sources	10,568	4,567	Completed	2 hect	2
Atta El Foukhar	1.1.1.b	rehabilitation of one mill	17,512	8,714	Completed	100 hect	-
Mdoukha	1.1.1.d	rehabilitation of 5 water sources	6,113	3,000	Completed	2 hect	2
Khirbet Rouha	1.1.1.a	Construction of one rainfed pool	15,227	9,867	Completed	15 hect	15
<b>Total</b>	<b>1.1.1.b&amp;c</b>	<b>34,500 m long of agr. roads,1 bridge,6gangways,766sq.m retaining walls, rehabilitation of one mill</b>	<b>279,314</b>	<b>335,561</b>		<b>464/155</b>	<b>364/119</b>
	<b>1.1.1.a &amp;d</b>	<b>5 rainfed pools&amp; rehab. of 10 water sources &amp;1200 m canals&amp; 180 sq. m retaining walls</b>				<b>125/7</b>	<b>105/7</b>
<b>Cluster VIII : Jabal El Rihane [ Jabal El Rihane, Aarmta, Milkh, Srairi, Mejdoun, Sejoud, Aatchiye, Jarmaq, Qotran ]</b>							
Jabal El Rihane	1.1.1.a	construction of one rainfed pool	9,970	2,667	Completed	40 hect	2
Jabal El Rihane	1.1.1.a	Irrigation reservoir & related canals	8,525	11,333	Completed	18.5 hect	18.5
Aarmata	1.1.1 b&c	4000 m long of agricultural roads	7,135	8,500	Execution	57/ 22 hect	57/-
Srairi	1.1.1 b&c	5,815 m long of agricultural roads	5,815	3,115	Completed	35/ 55 hect	35/-
Sejoud	1.1.1.a	construction of one rainfed pool	14,255	11,000	Completed	40 hect	2
Aatchiye	1.1.1 b&c	2,700 m long of agricultural roads	3,000	2,700	Completed	8/ 22 hect	8/-
Qotran	1.1.1 b&c	4600 m long of agricultural roads	8,400	4,600	Completed	50/ 60 hect	50/-
<b>Total</b>	<b>1.1.1.b&amp;c</b>	<b>18,115 m long of agricultural roads</b>	<b>54,100</b>	<b>43,915</b>		<b>150/159</b>	<b>150/-</b>
	<b>1.1.1.a &amp;d</b>	<b>2 rainfed pools&amp; rehab. of one irrigation reservoir &amp; related canals</b>				<b>98.5</b>	<b>22.5</b>

52

## YMCA Integrated Rural Development Program

### Social Infrastructure & Relative Indicators

October 1,1997 - March 31, 2002

Cluster	Village	Indicator	Project Output	Amount US\$	Contrib US\$	Status	Planned ( families )	Actual to Date
I	El Dawra	1.1.2 a	Potable water reservoir 300 m <sup>3</sup> capacity	11,104	6,500	Completed	335	335
I	Koss Akkar	1.1.2 a	Potable water reservoir & 1320 m networks	14,348	8,300	Completed	53*	53*
I	Koss Akkar	1.1.2. f	675 sq.m of road retaining walls	14,238	15,000	Completed	2000	2000
I	Shakdouf Akkar	1.1.2. f	410 sq.m of road retaining walls	12,955	7,333	Completed	100 *	100*
I	Akkar El Attika	1.1.2. f	480 sq.m of road retaining walls	17,520	14,166	Completed	2000*	2000*
I	Akkar El Attika	1.1.2. f	Construction of one bridge	21,720	18,000	Completed	2000	2000
II	Rahbeh	1.1.2 a	750 m long of potable water networks	4,280	1,750	Completed	1100	1100
II	Rahbeh	1.1.2. f	Construction of one bridge	26,945	27,000	Execution	1100*	-
III	El Ain	1.1.2. f	750 sq.m of road retaining walls	14,347	2,667	Completed	1000	1000
III	El Nabi Ousman	1.1.2. f	517 sq.m of road retaining walls	9,938	6,000	Completed	500	500
III	Jdaidet El Fakiha	1.1.2 a	7000 m long of potable water networks	32,874	14,100	Completed	865*	865
III	Jdaidet El Fakiha	1.1.2 a	4000 m long of potable water networks	7,258	3,333	Completed	300*	300*
III	Jdaidet El Fakiha	1.1.2 a	2 potable water reservoirs 300 m <sup>3</sup> capacity&600 m networks	23,111	26,400	Completed	1850	1850
III	Jdaidet El Fakiha	-	Topography works for road	5,000	500	Completed	-	-
III	ELNabiOusman	1.1.2. f	Construction of one bridge	3,538	1,500	Completed	500*	500*
IV	Ain Ebel	1.1.2. f	577sq.m of road retaining walls	27,106	9,000	Completed	200*	200*
IV	Ain Ebel	1.1.2. f	210 sq.m of road retaining walls	5,391	3,000	Completed	200*	200
IV	Ainata	1.1.2. f	590 sq.m of road retaining walls	14,335	7,000	Completed	200	200
IV	Aytaroun	1.1.2. f	336 m long of drainage canals	5,136	3,500	Completed	700*	700*
IV	Aytaroun	1.1.2 a	Construction of one potable water reservoir 300m <sup>3</sup> capacity	13,337	8,500	Completed	1000	1000
IV	Bint Jbeil	1.1.2. f	410 sq.m of road retaining walls	9,654	6,029	Completed	1200*	1200
IV	Bint Jbeil	1.1.2. f	515 sq.m of road retaining walls	13,800	61,000	Completed	200*	200*
IV	Bint Jbeil	1.1.2 a	Construction of one potable water reservoir 500m <sup>3</sup> capacity	23,158	14,500	Completed	1200	1200*
IV	Bint Jbeil	1.1.2. f	280 sq.m of road retaining walls	9,531	5,181	Completed	200*	200*
IV	Mays el Jabal	1.1.2. f	90 sq.m of road retaining walls	2,088	950	Completed	200*	200*
IV	Rab EtTalatine	1.1.2 a	Rehabilitation of one potable water reservoir 100m <sup>3</sup> capacity	11,300	1,000	Completed	125	125
IV	ElKantara	1.1.2 a	Construction of one elevated potable water reservoir 350m <sup>3</sup> capacity	51,250	32,000	Execution	400	-
V	Adehit	1.1.2 a	Elevated water reservoir 300m <sup>3</sup> capacity	25,747	35,850	Completed	350	350
V	Brayka'a	1.1.2. f	590 sq.m of road retaining walls	6,465	2,800	Completed	550	550
V	Jibaheet	1.1.2. f	1080 m long of drainage canals	28,388	15,300	Completed	1000 *	1000*
V	Jibaheet	1.1.2. f	570 sq.m of road retaining walls	18,836	9,500	Completed	1000	1000
V	Jibaheet	1.1.2. f	730 sq.m of road retaining walls	10,685	7,000	Completed	200 *	200*
V	Kfarayr	1.1.2. f	860 m long of drainage canals	21,780	14,900	Completed	600	600
V	Kfarayr	1.1.2. f	455 sq.m of road retaining walls	9,610	5,000	Completed	200*	200*
V	Kfarayr	1.1.2 a	1500 m long of potable water networks	5,000	4,000	Completed	30 *	30*
V	Kfarayr	1.1.2. f	2031 sq.m of road retaining walls	8,778	25,529	Completed	200*	200*

53

Cluster	Village	Indicator	Project Output	Amount US\$	Contrib US\$	Status	Planned ( families )	Actual to Date
V	Ksabyeh	1.1.2. f	1100 m long of drainage canals	23,780	12,000	Completed	93*	93*
V	Ksabyeh	1.1.2. f	Construction of one small bridge	1,450	700	Completed	150 *	150*
V	Ksabyeh	1.1.2. a	Rehab.of water source & reservoir	14,904	16,600	Completed	400*	400*
V	Ksabyeh	1.1.2. f	450 m long of drainage canals	10,487	3,150	Completed	100 *	100*
V	Sir el Gharbieh	1.1.2. f	88 sq.m of road retaining walls	1,587	700	Completed	50 *	50*
V	Sir el Gharbieh	1.1.2. f	75 sq.m of road retaining walls	760	700	Completed	300	300
V	Zawtar el Gharbieh	1.1.2. a	Construction of one potable water reservoir	2,768	1,800	Completed	300*	300*
V	Zawtar el Charkiyeh	1.1.2. a	Construction of one elevated potable water reservoir	37,500	15,000	Execution	500	-
VI	Ain Haraha	1.1.2. a	Rehabilitation of one spring & construction of water reservoir	2,887	800	Completed	200	200
VI	Ain Atta	1.1.2. f	600 m long of drainage canals	9,586	3,000	Completed	400*	400*
VI	Kfeir	1.1.2. f	160m long of drainage canals	3,039	1,820	Completed	50*	50*
VI	Kfeir	1.1.2. a	Equipping of one artesian well / submersible pump	3,250	1,410	Completed	325	325
VI	Marj El Zouhour	1.1.2. f	700m long of drainage canals	7,710	4,000	Completed	200	200
VI	Marj El Zouhour	1.1.2. f	500 sq.m of road retaining walls	11,457	7,000	Completed	150*	150*
VI	Mymess	1.1.2. f	340m long of drainage canals	4,615	2,355	Completed	38 *	38*
VI	Mymess	1.1.2. f	520 m long of drainage canals	13,960	7,500	Completed	300*	300
VI	Mymess	1.1.2. f	937 sq.m of road retaining walls	14,995	5,000	Completed	200 *	200*
VI	Eikhelwat	1.1.2. a	Rehabilitation of water source / pump accessories	6,145	1,333	Completed	270*	270*
VI	Tannoura	1.1.2. a	Rehabilitation of water source / pump accessories	11,160	2,300	Completed	150	150
VI	Tannoura	1.1.2. f	640 sq.m of road retaining walls	5,131	5,000	Completed	150*	150*
VI	Tannoura	1.1.2. f	400 sq.m of road retaining walls	3,255	3,000	Completed	150*	150*
VI	Beit Lehya	1.1.2. f	792 sq.m of road retaining walls	6,396	6,000	Completed	100	100
VI	Aita El Foukhar	1.1.2. a	Potable water reservoir 500m <sup>3</sup> capacity	27,000	15,000	Execution	400	-
VI	Ain Arab	1.1.2. n	Rehab of 2 water sources & 3000 m long of potable water networks	27,391	15,000	Completed	70	70
VI	Tannoura Cluster	1.1.2. a	Potable water project - beit lehya, tannoura & ain harcha	48,000	45,000	Execution	810	-
VIII	El Srre	1.1.2. n	Rehabilitation of water source / submersible pump	600	150	Completed	45	45
Total	1.1.2. a	14 potable water reservoirs & 18,170 m long of potable water networks, 4 pumps, rehab. of 4 water sources, potable water cluster project		840,364	600,406		11,078 fam	8,968 fam
	1.1.2. f	6,146 m long of drainage canals 13,312 sq.m of road retaining walls, 4 bridges					18,481 fam	17,381 fam

\* double counted

57

Cluster	Village	Indicator	Project Output	Amount US\$	Contr. US\$	Status	Planned	Actual to Date
I	Akkar El Attika	1.1.2 d	Construction of secondary level public school	59,578	25,000	Completed	2000 fam / 500students	500students
I	Akkar El Attika		workshop/need assessment in educational facilities	1,453	150	Completed	-	-
I	Kawa Akkar	1.1.2 d	Construction of one public school	25,397	8,000	Completed	250 fam / 500 students	500 students
II	Dahr El Layayneh	1.1.2 d	Construction of one public school	16,494	7,000	Completed	60 fam/ 60 students	60 students
II	Tekrit	1.1.2 d	Construction of one public school	22,587	20,236	Completed	1000 fam/ 157 students	157 students
II	Rahbeh	1.1.2 e	Medical equipment for health facility	7,000	7,000	Completed	1100 families*	1100 families*
III	Jdaideh El Fakiha	1.1.2 d	Construction of one public school	27,002	8,500	Completed	700 fam* / 120students	120 students
III	Jdaideh El Fakiha	1.1.2 d	Extension works for a private free of charge school	7,812	5,800	Completed	700 fam* / 140students	140 students
III	El Nabi Ouaman	1.1.2 e	Rehabilitation&equipment of one health facility	10,191	3,376	Completed	500 families*	500 families*
III	El Nabi Ouaman	1.1.2 e	Extension works for a youth club	18,317	10,000	Completed	500 families*	500 families*
III	ElAin Cluster	1.1.2 e	Furnishing of equipment& tools for 2 dispensaries:Jdaideh & Fakiha	7,354	-	Completed	1850 families	1850 families
IV	Bint Jbell	1.1.2 d	Construction of school rainwater reservoir/ 150m3 volume	6,942	4,050	Completed	1200 fam*/ 180 students	180students
IV	Bint Jbell	1.1.2 e	Construction of rainwater reservoir - health facilities	3,626	1,800	Completed	1200 families*	1200 families*
IV	Bint Jbell	1.1.2 d	Rehabilitation of public school/ military facilities	6,178	5,000	Completed	1200 fam*/ 350 students	350 students
IV	Bint Jbell	1.1.2 d	Rehabilitation of school facilities	14,160	3,540	Completed	1200 fam*/ 335 students	335 students
IV	Bint Jbell	1.1.2 e	Medical equipment for LRC facility	7,300	6,700	Completed	1200 families*	1200 families*
IV	Bint Jbell	1.1.2 e	One multipurpose court	15,700	9,750	Completed	1200 families*	1200 families*
IV	Aytaroun	1.1.2 d	Construction of school sanitary facilities	672	175	Completed	1000 fam* / 98 students	98 students
IV	Mays El Jabal	1.1.2 d	Roofing of school playground facility	6,232	1,400	Completed	1000 fam*/ 200students	200 students
IV	Ain Ebel	1.1.2 d	Rehabilitation of school sport facility	17,888	13,500	Completed	700 fam* / 1200students	1200students
IV	Ain Ebel	1.1.2 e	Rehabilitation of cooperative community center	8,619	7,200	Completed	16 women	16 women
IV	Dhalra	1.1.2 d	Construction of one public school	10,932	4,000	Completed	225 fam / 73 students	73 students
IV	Dhalra	1.1.2 e	Rehabilitation of cooperative community center	8,200	3,000	Completed	25 women	25 women
V	Kayybeh	1.1.2 e	Construction of one youth club	24,921	10,000	Completed	800 families	800 families
V	Kfarayr	-	health plan assessment workshop	1,444	150	Completed	-	-
V	Kfarayr	-	primary health workshop	1,905	150	Completed	-	-
V	Zawtar EL Qharbieh	1.1.2 e	One multipurpose court	8,837	3,500	Completed	300 families	300 families
VI	Kfeir	1.1.2 c	Rehabilitation of one dispensary & provision of equipment	11,794	4,000	Completed	325 families*	325 families*
VI	Kfeir	1.1.2 e	Construction of a football & multi purpose court	10,601	8,000	Completed	325 families*	325 families*
VI	Marj El Zouhour	1.1.2 c	Rehabilitation of one dispensary & provision of equipment	8,758	1,350	Completed	200 families*	200 families*
VI	ElKhelwat	1.1.2 c	Rehabilitation of one dispensary	2,385	1,100	Completed	270 families *	270 families*
VI	Tannoum Cluster	1.1.2 e	Furnishing of equipment & tools for 3 dispensaries: Ain Aita, Mymena, El khelwat	10,640	-	Completed	1045 families	1045 families
	III&VI	-	Technical training for dispensary personnel	1,351	-	Completed	-	-
	III&VI&V	-	Workshop / Needs assessment in educational facilities	1,618	-	Completed	-	-
	III&VI	-	training / administrative skills for managing health facility	2,361	-	Completed	-	-
	All Clusters	-	Dental hygien campaign	15,895	-	Completed	-	-
<b>Total</b>	1.1.2 e	rehabilitation works for 5 health facilities, equipments, furnitures & tools for 10 dispensaries ,	412,234	183,427			7690 families	7690 families
	1.1.2 d	construction of 7 schools & rehabilitation of 6 school facilities.					11,235 fam/3913 stud	3913 students
	1.1.2 e	construction of 2 clubs & 3 multipurpose courts & rehabilitation of 2 cooperative community centers.					3166 families	3166 families

\* double counted

55

## YMCA Integrated Rural Development Program Agricultural Income Generation for Women & Relative Indicator

October 1, 1997 - March 31, 2002

<b>1.1.3 Clients accessing expanded economic opportunities</b>						
<b>Cluster</b>	<b>Village</b>	<b>Project Output</b>	<b>Amount US\$</b>	<b>Contrib US\$</b>	<b>Status</b>	<b>Trainees Nb</b>
<b>Cottage Industry training sessions</b>						
I	Akkar El Attika	Training /food preservation and marketing techniques	8,125	1,000	Completed	43
I	Koss Akkar	Training /food preservation and marketing techniques	8,501	1,000	Completed	30
II	Tekrit	Training /food preservation and marketing techniques	7,291	1,000	Completed	49
II	Jibrael	Training /food preservation and marketing techniques	5,441	1,000	Completed	27
III	El Ain	Training /food preservation and marketing techniques	9,542	1,000	Completed	42
III	Fakha	Training /food preservation and marketing techniques	7,740	1,000	Completed	25
IV	Blnt Jbell	Training /food preservation and marketing techniques	11,113	1,000	Completed	51
IV	Dhaira	Training /food preservation and marketing techniques	Funded by USDA - Wheat Monetization Program			
VII	Deir Qanoun Naher	Training /food preservation and marketing techniques	Funded by USDA - Wheat Monetization Program			
V	Ksaybeh	Training /food preservation and marketing techniques	11,444	1,000	Completed	38
V	Kfarsyr	Training /food preservation and marketing techniques	13,365	1,000	Completed	41
VI	Ain Atta	Training /food preservation and marketing techniques	8,952	1,000	Completed	42
VI	Ain Atta	Training /food preservation and marketing techniques	7,257	1,000	Completed	57
VI	Beit Lehya	Training /food preservation and marketing techniques	13,700	1,000	Completed	31
<b>Food Processing Centers</b>						
II	Tekrit	Tekrit Food Processing - Solar drying Center	23,713	2,500	Completed	12
III	ElAin Center	El Ain Crop Drying Center, solar dryer furnishings, equipments, utensils	26,963	3,000	Completed	15
III	Fakha	Fakha Food Processing - Trout Smoking Center	22,658	4,000	Completed	12
V	Kosaybeh Center	Ksaybeh Distilling & Food Processing Center	13,601	3,000	Completed	14
VI	Kfeir	Kfeir Beekeeping & Honey Production Center	24,848	7,500	Completed	32
VI	Khelwat	Khelwat Food Processing - Olive Bottling Center	27,614	3,000	Completed	12
IV	Ain Ebel	Ain Ebel Food Processing Center - Caroba Mill Center	Funded by USDA - Wheat Monetization Program			
IV	Dhaira	Dhaira Food Processing Center - Soap Making Center	Funded by USDA - Wheat Monetization Program			
VII	Deir Qanoun Naher	Deir Qanoun Food Processing Center - Olive Oil Production Center	Funded by USDA - Wheat Monetization Program			
<b>Total</b>		<b>14 sessions of training on food preservation &amp; marketing techniques &amp; 9 Production Centers</b>	<b>251,867</b>	<b>35,000</b>		<b>573</b>

# YMCA Integrated Rural Development Program

## Environmental Sector & Relative Indicators

October 1, 1997 - March 31, 2002

Annex B

Village	Indicator	Villages Nb	Project Output	Amount US \$	Contrib US\$	Status	Planned	Actual to date
Akkar el Attika	1.1.4 o&f	1	One waste water treatment system & 2662m networks	64,904	26,000	Execution	1 (o&f)	1 (o&f)
Akkar el Attika	1.1.4 d&f	1	Solid waste treatment center & public awareness campaigns	278,203	116,000	Execution	1 (d&f)	1 (d&f)
Koss Akkar	1.1.4 o&f	1	One waste water treatment system & 7500m networks	145,799	46,000	Execution	1 (o&f)	1 (o&f)
Akkar Cluster	1.1.4 a&f	1	Reforestation of 1000 trees	3,206	1,000	Completed	1 (a&f)	1 (a&f)
Akkar el Attika	1.1.4 o&f	1	One waste water treatment system & 2400m networks	65,000	20,000	Execution	1 (o&f)	-
Tekrit	1.1.4 b	1	Solid waste containers	2,000	-	Completed	1 (b)	1 (b)
Jibrael	1.1.4 d&f	-	Solid waste treatment center	3,629	10,000	Cancelled	-	-
Rahbeh	1.1.4 b&f	1	Applied environmental awareness/ public park	14,851	4,817	Completed	1 (b&f)	1 (b&f)
Akkar&Tekrit Cluster	1.1.4 o&f	8	Water source mapping / quality analysis & workshops	19,894	-	Completed	8 (o&f)	8 (o&f)
ElNabi Ousman	1.1.4 b	1	One public park	23,733	20,000	Execution	1 (b)	1(b)
ElNabi Ousman	1.1.4 f	1	Awareness on pesticide use & safety measures	15,000	750	Execution	1 (f)	1 (f)
Mays el Jabal	1.1.4 d&f	3	Solid waste treatment center & public awareness campaigns	245,000	100,000	Execution	3 (d&f)	3 (f)
Bint Jbell Cluster	1.1.4 a	7	Reforestation of 1700 trees	6,375	2,175	Completed	7 (a)	7 (a)
Bint Jbell Cluster	1.1.4 d&f	3	Solid waste treatment center & public awareness campaigns	190,000	130,000	Execution	3 (d&f)	-
Sir El Qharbleh	1.1.4 f	5	Workshop on solid waste management	2,609	300	Completed	5 (f)	5 (f)
Kfarsyr Cluster	1.1.4 a&f	3	Reforestation of 1800 trees	5,725	2,266	Completed	3 (a&f)	3 (a&f)
Kfarsyr	1.1.4 b	1	Rehabilitation of one spring & public park	4,759	2,150	Completed	1 (b)	1 (b)
Kfarsyr	1.1.4 d&f	1	Solid waste treatment center	221,567	20,000	Completed	1 (d&f)	1 (d&f)
Kfarsyr	1.1.4 b	1	One public park	14,811	7,000	Completed	1 (b)	1(b)
Kfarsyr Cluster	1.1.4 d&f	4	Solid waste treatment center & public awareness campaigns	190,000	135,000	Execution	4(d&f)	-
Tannoura Cluster	1.1.4 a&f	4	Reforestation of 2485 trees	12,928	2,330	Completed	4 (a&f)	4 (a&f)
Tannoura Cluster	1.1.4 o&f	4	Water source mapping / quality analysis& workshops	1,526	400	Completed	4 (o&f)	4 (o&f)
Tannoura Cluster	1.1.4 a&f	4	Reforestation of 2600 trees & environmental activities	21,274	3,500	Completed	4 (a&f)	4 (a&f)
Tannoura Cluster	1.1.4 b&f	9	Environmental education in Rachaya/Hanbaya cluster	11,598	4,300	Execution	9 (b&f)	1 (b&f)
Kfeir	1.1.4 b	1	Rehabilitation & Protection of pine forest	9,035	5,000	Completed	1 (b)	1 (b)
Kfeir	1.1.4 o&f	1	One waste water treatment system & 15km networks	293,000	126,000	Execution	1 (o&f)	-
Marj El Zouhour	1.1.4 o&f	1	One waste water treatment system & 5.8km networks	131,834	132,000	Completed	1 (o&f)	1 (o&f)
Mymessa	1.1.4 o&f	1	One waste water treatment system	58,000	20,000	Execution	1 (o&f)	-
Yanta	1.1.4 o&f	1	One waste water treatment system & 13750m networks	307,000	168,000	Execution	1 (o&f)	-
Aln Haraha	1.1.4 o&f	1	One waste water treatment system & 5340m networks	120,000	75,000	Execution	1 (o&f)	-
Maarakkeh cluster	1.1.4 d&f	4	Solid waste treatment center & public awareness campaigns	200,000	140,000	Execution	4(d&f)	-
Jabal el Rihane	1.1.4 b	1	Construction of access & tourism facilities for el Rihane grotto	45,000	12,000	Execution	1 (b)	-
All clusters	1.1.4 b&f	40	Environmental education: equipment& training of youth school clubs	15,000	5,000	Execution	40 (b&f)	-
Total	1.1.4 a	46	reforestation of 9,585 trees& environmental activities	2,743,260	1336,988		19	19
	1.1.4 b		rehab.of 1 spring , 3 public parks, pine forest & distribution of solid waste containers /tourism facilities				56	7
	1.1.4 c		8 waste water treatment systems & 82,452m networks				8	3
	1.1.4 d		6 solid waste treatment centers				16	2
	1.1.4 e		water source mapping and quality analysis				12	12
	1.1.4 f		awareness campaign/ workshop / training / env.activities				104	40

57

**YMCA Integrated Rural Development Program**  
**Economic Opportunities & Relative Indicators**  
 October 1, 1997 - March 31, 2002

**1.3 Clients accessing expanded economic opportunities**

Cluster	Village	Project Output	Amount US\$	Contrib US\$	Status	Planned	Actual to Date
	Akkar El Attika	Crop Processing / Vinegar Production Center	48,500	6,275	Execution	20	-
	Beit Mellat	Honey Extraction & Beekeeping Services Center	17,000	8,000	Execution	30	-
	Rahbeh	Computer Access & Internet Services Center	33,750	21,000	Execution	100	-
✓	Aytaroun	Essential Oil Extraction & Damask roses Propagation	50,000	6,000	Execution	20	-
✓	Bint Jbeil	Incubation / Small Enterprise Development Nursery	35,000	6,000	Execution	25	-
✓	Bint Jbeil	Computer Access & Internet Services Center	33,750	24,200	Execution	100	-
✓	Yarine	GreenHouse / Nursery for Ornamental Plants	40,750	5,000	Execution	25	-
I	Kfeir	Computer Access & Internet Services Center	33,750	12,500	Execution	80	-
II	Deir Qanoun Naher	Incubation / Small Enterprise Development Nursery	35,000	6,000	Execution	25	-
III	ELRihane	Computer Access & Internet Services Center	33,750	13,400	Execution	100	-
	<b>Total</b>	* 4 Computer Access & Internet Services Centers * 2 Small Enterprise Development Nurseries * Crop Processing & Vinegar Production Center * Honey Extraction & Beekeeping Center * Essential Oil Extraction Center * Green House & Nursery for ornamental plants	<b>361,250</b>	<b>108,375</b>		<b>525</b>	

**YMCA Integrated Rural Development Program**  
**Listing of Projects Cost Sharing**

October 1, 1997 - March 31, 2002

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
RI-A/I-1	Akkar El Attika	Agriculture	24,874	31,000	6,600	37,600	62,474
RI-A/I-2	Akkar El Attika	Agriculture	22,220		6,200	6,200	28,420
RI-A/I-3	Koss Akkar	Agriculture	32,406		16,334	16,334	48,740
RI-A/VI-4	Kfeir	Agriculture	10,297	15,000	500	15,500	25,797
RI-A/III-5	El Ain	Agriculture	17,210		16,450	16,450	33,660
RI-A/III-6	El Nabi Ousman	Agriculture	13,260		12,800	12,800	26,060
RI-A/IV-7	Maroun El Ras	Agriculture	3,120	6,400		6,400	9,520
RI-A/IV-8	Bint Jbeil	Agriculture	11,940	13,600		13,600	25,540
RI-PW/IV-9	Aytaroun	Public works	5,136		3,500	3,500	8,636
RI-PW/IV-10	Bint Jbeil	Public works	9,654		6,029	6,029	15,683
RI-HE/IV-11	Bint Jbeil	Health & Educ	6,942		4,050	4,050	10,992
RI-A/IV-12	Aytaroun	Agriculture	33,092	16,800	5,200	22,000	55,092
RI-PW/I-13	Koss Akkar	Public works	14,348		8,300	8,300	22,648
RI-A/I-14	Koss Akkar	Agriculture	4,000	5,000		5,000	9,000
RI-A/I-15	Shakdouf Akkar	Agriculture	8,945	23,600	1,000	24,600	33,545
RI-PW/VI-16	Tannoura	Public works	11,160		2,300	2,300	13,460
RI-A/VI-17	Tannoura	Agriculture	21,295	32,400		32,400	53,695
RI-A/III-18	Fakiha	Agriculture	7,653		2,000	2,000	9,653
RI-A/III-19	Zaytoun	Agriculture	41,972		20,650	20,650	62,622
RI-A/III-20	Jdaldet El Fakiha	Agriculture	41,559		12,250	12,250	53,809
RI-A/II-21	Jibrael	Agriculture	5,382		2,530	2,530	7,912
RI-A/VI-22	Mymess	Agriculture	4,800	61,200		61,200	66,000
RI-A/V-23	Sir El Gharbleh	Agriculture	19,459	64,000	1,000	65,000	84,459
RI-A/V-24	Kanybeh	Agriculture	3,800	32,000		32,000	35,800
RI-PW/V-25	Kanybeh	Public works	23,780		12,000	12,000	35,780
RI-A/VI-26	Arvat	Agriculture	4,730		1,600	1,600	6,330
RI-A/V-27	Adshit	Agriculture	3,568	5,600	500	6,100	9,668

59

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
RI-A/VI-28	Ain Atta	Agriculture	13,420	36,000		36,000	49,420
RI-A/VI-29	El Khelwat	Agriculture	10,800	44,000		44,000	54,800
RI-PW/VI-30	Mymess	Public works	4,615		2,355	2,355	6,970
RI-HE/III-31	Jdndiet El Fakiha	Health & Educ	27,002		8,500	8,500	35,502
RI-A/II-32	Tekrit	Agriculture	18,320	48,000	10,500	58,500	76,820
RI-A/I-33	Aayat	Agriculture	3,946	21,000	1,000	22,000	25,946
RI-A/II-34	Jibrael	Agriculture	9,704	45,600	2,333	47,933	57,637
RI-A/II-35	Beit Mellat	Agriculture	15,395		5,000	5,000	20,395
RI-A/I-36	Shakdouf Akkar	Agriculture	24,836		11,000	11,000	35,836
RI-PW/IV-37	Alnata	Public works	14,335		7,000	7,000	21,335
RI-PW/IV-38	Bint Jbell	Public works	13,800		61,000	61,000	74,800
RI-A/IV-39	Blida	Agriculture	2,820	18,800		18,800	21,620
RI-A/IV-40	Mays El Jabal	Agriculture	6,120	21,000		21,000	27,120
RI-A/III-41	El Nabi Ousman	Agriculture	28,987		7,000	7,000	35,987
RI-A/III-42	El Ain	Agriculture	13,674		3,040	3,040	16,714
RI-PW/V-43	Adshit	Public works	25,747	750	35,100	35,850	61,597
RI-A/I-44	Akkar El Attika	Agriculture	10,581		5,000	5,000	15,581
RI-A/I-45	Akkar El Attika	Agriculture	11,565		4,000	4,000	15,565
RI-A/I-46	Koss Akkar	Agriculture	5,178		2,000	2,000	7,178
RI-A/I-47	Koss Akkar	Agriculture	9,270		3,200	3,200	12,470
RI-A/I-48	Aayat	Agriculture	8,855		2,900	2,900	11,755
RI-HE/I-49	Kfarsyr	Health & Educ	1,444		150	150	1,594
RI-A/VI-50	Beit Lehya	Agriculture	3,600	9,600		9,600	13,200
RI-A/I-51	ElDawra	Agriculture	17,778		6,000	6,000	23,778
RI-A/I-52	ElDawra	Agriculture	4,400		1,200	1,200	5,600
RI-HE/I-53	Akkar El Attika	Health & Educ	59,578		25,000	25,000	84,578
RI-PW/III-54	Jdndiet El Fakiha	Public works	32,874		14,100	14,100	46,974
RI-A/IV-55	Bint Jbell	Agriculture	28,775		14,500	14,500	43,275
RI-A/III-56	El Ain	Agriculture	11,826		3,800	3,800	15,626
RI-A/III-57	El Nabi Ousman	Agriculture	11,547		4,970	4,970	16,517
RI-PW/IV-58	Kfarsyr	Public works	21,780		14,900	14,900	36,680
RI-A/IV-59	Aytarouh	Agriculture	4,200	6,000		6,000	10,200
RI-PW/V-60	Kanybeh	Public works	1,450		700	700	2,150

60

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
RI-PW/V-61	Sir El Gharbieh	Public works	1,587		700	700	2,287
RI-A/IV-62	Blida	Agriculture	6,500	13,000		13,000	19,500
RI-PW/VI-63	Kfeir	Public works	3,039		1,820	1,820	4,859
RI-A/I-64	Koss Akkar	Agriculture	5,557		1,850	1,850	7,407
RI-PW/VI-65	Kfeir	Public works	3,250		1,410	1,410	4,660
RI-A/V-66	Kfarsyr	Agriculture	23,420		7,920	7,920	31,340
RI-A/VI-67	Ain Harsha	Agriculture	5,003	6,600	2,650	9,250	14,253
RI-A/VI-68	Ain Atta	Agriculture	32,378		15,600	15,600	47,978
RI-A/III-69	EL Nabi Ousman	Agriculture	10,885		6,822	6,822	17,707
RI-A/VI-70	El Khelwat	Agriculture	7,650	8,000	600	8,600	16,250
RI-A/VI-71	Ain Harsha	Agriculture	8,674		3,500	3,500	12,174
RI-A/IV-72	Aytaroun	Agriculture	14,800	20,000		20,000	34,800
RI-A/IV-73	Aytaroun	Health & Educ	672		175	175	847
RI-PW/IV-74	Mays El Jabal	Public works	2,088		950	950	3,038
RI-HE / V-75	Kfarsyr	Health & Educ	1,905		150	150	2,055
RI-A / I-76	Akkar El Attika	Agriculture	9,850		2,667	2,667	12,517
RI - A / II-77	Jibrael	Agriculture	5,698	8,100	1,750	9,850	15,548
RI - A / II-78	Beit Mellat	Agriculture	17,133		3,000	3,000	20,133
RI-A/ III-79	EL Ain	Agriculture	15,893		2,350	2,350	18,243
RI-A / III-80	El Nabi Ousman	Agriculture	19,260		2,000	2,000	21,260
RI-A/ VI-81	Tannoura	Agriculture	17,652		3,730	3,730	21,382
RI-A / V-82	Braykaa	Agriculture	8,037		2,500	2,500	10,537
RI-A/IV-83	Mhaybib	Agriculture	31,452		9,000	9,000	40,452
RI-A / III-84	EL Nabi Ousman	Agriculture	36,962		12,000	12,000	48,962
RI-A/ III-85	EL Ain	Agriculture	12,085		5,133	5,133	17,218
RI-A/II-86	Tekrit	Agriculture	63,907		19,250	19,250	83,157
RI-HE / II-87	Dahr el laysyneh	Health & Educ	16,494		7,000	7,000	23,494
RI-PW /III-88	EL Ain	Public works	14,347		2,667	2,667	17,014
RI-PW /V-89	Sir el Gharbieh	Public works	760		700	700	1,460
RI-PW /V-90	Jibsheet	Public works	28,388		15,300	15,300	43,688
RI-PW /V-91	Kfarsyr	Public works	9,610		5,000	5,000	14,610
RI-PW /V-92	Jibsheel	Public works	18,836		9,500	9,500	28,336
RI-HE/IV-93	Blint Jbeil	Health & Educ	3,626		1,800	1,800	5,426

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
RI-PW /V-94	Ain ebel	Public works	27,106		9,000	9,000	36,106
RI-A/VI-95	Beit Lehya	Agriculture	7,694	5,500	3,200	8,700	16,394
RI -PW/VI-96	Mymess	Public works	13,960		7,500	7,500	21,460
RI -PW/III-97	EL Nabi Ousman	Public works	9,938		6,000	6,000	15,938
RI -A / III - 98	EL Nabi Ousman	Agriculture	22,824		6,673	6,673	29,497
RI - A / III -99	El Ain	Agriculture	1,368		300	300	1,668
RI-HE/ 100	All clusters	Health & Educ	15,895		-	0	15,895
RI-PW/VI-101	Ain Harsha	Public works	2,887		800	800	3,687
RI-A/I-102	Akkar El Attika	Agriculture	6,500	10,000		10,000	16,500
RI-A/I-103	Akkar El Attika	Agriculture	33,543		13,500	13,500	47,043
RI-A/I-104	Shakdouf Akkar	Agriculture	12,986		5,000	5,000	17,986
RI-A/I-105	Aayat	Agriculture	15,303		5,100	5,100	20,403
RI-A/I-106	Akkar El Attika	Agriculture	24,677		7,000	7,000	31,677
RI-A/I-107	Akkar El Attika	Agriculture	15,490		6,500	6,500	21,990
RI-A/I-108	Akkar El Attika	Agriculture	8,020		3,200	3,200	11,220
RI-A/V-109	Braykaa	Agriculture	55,018		9,800	9,800	64,818
RI-A/V-110	Sir el Gharbieh	Agriculture	19,580		4,400	4,400	23,980
RI-A/V-111	Jibsheets	Agriculture	7,917		3,391	3,391	11,308
RI-PW/V-112	Ksaybeh	Public works	14,904		16,600	16,600	31,504
RI-A/II-113	Rahbeh	Agriculture	9,650		4,000	4,000	13,650
RI-A/I-114	Koss Akkar	Agriculture	12,596		6,000	6,000	18,596
RI-A/I-115	ElDawra	Agriculture	18,097		7,775	7,775	25,872
RI-A/II-116	Rahbeh	Agriculture	8,540	16,800	5,000	21,800	30,340
RI-PW /VI-117	Marj El zouhour	Public works	7,710		4,000	4,000	11,710
RI-HE /IV-118	Bint Jbeil	Health & Educ	14,160		3,540	3,540	17,700
RI-HE/IV-119	Bint Jbeil	Health & Educ	6,178		5,000	5,000	11,178
RI-HE/IV-120	Mays El Jabal	Health & Educ	6,232		1,400	1,400	7,632
RI-HE/IV-121	Ain Ebel	Health & Educ	17,888		13,500	13,500	31,388
RI-A/II-122	Beit Mellat	Agriculture	59,665		20,666	20,666	80,331
RI-HE/VI-123	Marj El zouhour	Health & Educ	8,759		1,350	1,350	10,109
RI-A/IV-124	Ain Ebel	Agriculture	13,528		5,000	5,000	18,528
RI-HE/VI-125	Kfeir	Health & Educ	11,793		4,000	4,000	15,793
RI-HE/V-126	Ksaybeh	Health & Educ	24,921		10,000	10,000	34,921

62

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
RI-PW/I-127	Akkar Cluster	Public works	11,104		6,500	6,500	17,604
RI-PW/VI-128	Mymess	Public works	14,995		5,000	5,000	19,995
RI-PW/V-129	Kfarsyr	Public works	5,000		4,000	4,000	9,000
RI-HE/VI-130	Kfeir	Health & Educ	10,601		8,000	8,000	18,601
RI-HE/ III-131	El. Nabi Ousman	Health & Educ	18,317		10,000	10,000	28,317
RI-HE/ III&VI-132		Health & Educ	2,361			0	2,361
RI-A/V-133	Kfarsyr	Agriculture	11,724		26,000	26,000	37,724
RI-A/V-134	Jibaheet	Agriculture	13,244		10,000	10,000	23,244
RI-A/V-135	Kfarsyr	Agriculture	15,000		42,000	42,000	57,000
RI-PW/V-136	Ksaybeh	Public works	10,487		3,150	3,150	13,637
RI-PW/I-137	Shakdouf Akkar	Public works	12,955		7,333	7,333	20,288
RI-PW/ VI-138	Marj El zouhour	Public works	11,457		7,000	7,000	18,457
RI-A/III-139	El Nabi ousman	Agriculture	10,375		3,100	3,100	13,475
RI-A/I-140	Akkar el attika	Agriculture	7,961	11,000	1,500	12,500	20,461
RI-HE /II-141	Tekrit	Health & Educ	22,587		20,236	20,236	42,823
RI-A/I-142	Aayat	Agriculture	8,614		3,350	3,350	11,964
RI-PW/ IV-143	Bint Jbeil	Public works	9,531		5,181	5,181	14,712
RI-PW/ III-144	Jdaideh el fakihn	Public works	7,258		3,333	3,333	10,591
RI-A/VI-145	El Khelwat	Agriculture	32,850		7,500	7,500	40,350
RI-A/VI-146	Kfeir	Agriculture	4,400		30,000	30,000	34,400
RI-A/VI-147	Mymess	Agriculture	26,400		7,000	7,000	33,400
RI-HE /IV-148	Bint Jbeil	Health & Educ	7,300		6,700	6,700	14,000
RI-HE /I-149	Akkar el Attika	Health & Educ	1,453		150	150	1,603
RI-HE /III-150	Jdaideh el Faiha	Health & Educ	7,812		5,800	5,800	13,612
RI-A /III-151	El Nabi Ousman	Agriculture	7,200		1,500	1,500	8,700
RI-PW/VI-152	Beit Lehya	Public works	6,396		6,000	6,000	12,396
RI-PW/V-153	Jibaheet	Public works	10,685		7,000	7,000	17,685
RI-PW/VI-154	Ain Atta	Public works	9,586		3,000	3,000	12,586
RI-HE /VI-155	Tannoura cluster	Health & Educ	10,640		-	0	10,640
RI-HE /III-156	Elain cluster	Health & Educ	7,354		-	0	7,354
RI-PW/II-157	Rahbeh	Public works	4,280		1,750	1,750	6,030
RI-A /IV-158	Ainnn	Agriculture	1,280	6,500	-	6,500	7,780
RI-A/III - 159	EL Nabi Ousman	Agriculture	15,972		12,586	12,586	28,558

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
RI-PW/V-160	Kfarayr	Public works	8,778		25,529	25,529	34,307
RI-A /I-161	ElDawra	Agriculture	12,540	9,000		9,000	21,540
RI-HE /VI-162	Tannoura cluster	Health & Educ	1,351			0	1,351
RI-HE /II 163	Rahbeh	Health & Educ	7,000		7,000	7,000	14,000
RI-PW/VI-164	Tannoura	Public works	5,131		5,000	5,000	10,131
RI-A /II-165	Dahr el laysineh	Agriculture	6,720	4,000		4,000	10,720
RI-A /I-166	Shakdouf Akkar	Agriculture	3,300	3,000		3,000	6,300
RI-A /VI-167	Mymess	Agriculture	18,493		13,333	13,333	31,826
RI-A /II-168	Rahbeh	Agriculture	16,570		8,000	8,000	24,570
RI-HE/VI- 169	Khelwat	Health & Educ	2,385		1,100	1,100	3,485
RI -PW/III-170	EL Nabi Ousman	Public works	3,538		1,500	1,500	5,038
RI-PW/ III-171	Jdaideh el fakiha	Public works	5,000		500	500	5,500
RI-PW/ III-172	Jdaideh el fakiha	Public works	23,111		26,400	26,400	49,511
RI-A /VI-173	Mymess	Agriculture	2,970		3,500	3,500	6,470
RI-HE /III-174	EL Nabi Ousman	Health & Educ	10,191		3,376	3,376	13,567
RI-HE /175		Health & Educ	1,618			0	1,618
RI-A /I-176	Koss Akkar	Agriculture	9,700		4,667	4,667	14,367
RI-A /III-177	Jdaideh el fakiha	Agriculture	18,178		8,100	8,100	26,278
RI-A /I-178	Aayat	Agriculture	4,710	5,400		5,400	10,110
RI-PW /I-179	Koss Akkar	Public works	14,238		15,000	15,000	29,238
RI-PW /VI-180	El Khelwat	Public works	6,145		1,333	1,333	7,478
RI-PW /V-181	Akkar El Attika	Public works	17,520		14,166	14,166	31,686
RI-PW /VI-182	Tannoura	Public works	3,255		3,000	3,000	6,255
RI-PW /IV-183	Bint Jbell	Public works	23,158		14,500	14,500	37,658
RI-PW /IV-184	Aytaroun	Public works	13,337		8,500	8,500	21,837
RI- A/IV-185	Hanine	Agriculture	10,478		3,000	3,000	13,478
RI- A/IV-186	Hanine	Agriculture	976	2,000		2,000	2,976
RI-PW /IV-187	Kantara	Public works	51,250		32,000	32,000	83,250
RI-PW /IV-188	Rab Et Talatine	Public works	11,300		1,000	1,000	12,300
RI- A/IV-189	Bany Hayan	Agriculture	1,143	2,000		2,000	3,143
RI- A/III-190	El Ain	Agriculture	3,463		4,100	4,100	7,563
RI- A/VIII -191	Soujoud	Agriculture	14,255		11,000	11,000	25,255
RI- A/VIII -192	Rihane	Agriculture	9,970		2,667	2,667	12,637
RI- A/VIII -193	Qotran	Agriculture	5,400	4,400	200	4,600	10,000

64

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
RI- A/VIII -194	El Srire	Agriculture	5,815	3,115		3,115	8,930
RI- A/VIII -195	Milkh	Agriculture	0	0		0	0
RI- A/VIII -196	Aramta	Agriculture	7,135	6,000	2,500	8,500	15,635
RI- A/VIII -197	Rihane	Agriculture	8,525		11,333	11,333	19,858
RI- PW/VI -198	Aita El Foukhar	Public works	27,000		15,000	15,000	42,000
RI-A/VI -199	Aita El Foukhar	Agriculture	17,512		8,714	8,714	26,226
RI- A/VI -200	Bekka	Agriculture	10,568		4,567	4,567	15,135
RI- A/VI -201	Mdoukha	Agriculture	6,113		3,000	3,000	9,113
RI-PW /I-202	Akkar El Attika	Public works	21,720		18,000	18,000	39,720
RI-PW /V-203	Zawtar El Gharbiye	Public works	2,768		1,800	1,800	4,568
RI- A/VIII -204	Aachiyeh	Agriculture	3,000		2,700	2,700	5,700
RI-PW /IV -205	Ain Ebel	Public works	5,391		3,000	3,000	8,391
RI-PW /V-206	Brayka'a	Public works	6,465		2,800	2,800	9,265
RI-PW /VI -207	Ain Arab	Public works	27,391		15,000	15,000	42,391
RI-PW /VIII -208	El Srira	Public works	600		150	150	750
RI-PW /V -209	Zawtar El Charkiye	Public works	37,500		15,000	15,000	52,500
RI- A/VI -210	Khirbet Rouha	Agriculture	16,227		9,867	9,867	26,094
RI- A/IV -211	Hanine	Agriculture	4,510	6,000	500	6,500	11,010
RI-A /I-212	Akkar el attika	Agriculture	16,920	3,000		3,000	19,920
RI-A /I-213	Akkar el attika	Agriculture	24,500		14,000	14,000	38,500
RI-A /I-214	El Dawra	Agriculture	21,903		8,000	8,000	29,903
RI-HE /IV-215	Dhaira	Health & Educ	10,932		4,000	4,000	14,932
RI-HE /V-216	Zawtar El Gharbiye	Health & Educ	8,837		3,500	3,500	12,337
RI-HE /I -217	Kaws Akkar	Health & Educ	25,397		8,000	8,000	33,397
RI-HE /IV-218	Bint Jbell	Health & Educ	15,790		9,750	9,750	25,540
RI-A /V-219	Zawtar El Gharbiye	Agriculture	25,000		14,500	14,500	39,500
RI-A /V-220	Arnoun	Agriculture	28,000		8,000	8,000	36,000
RI-PW /VI -221	Tannoura Cluster	Public works	48,000	15,000	30,000	45,000	93,000
RI-A /V-222	Bany Haynan	Agriculture	10,615		3,200	3,200	13,815
RI-PW /II -223	Rnhbeh	Public works	26,945		27,000	27,000	53,945
RI-HE /IV-224	Dhaira	Health & Educ	8,200	3,000		3,000	11,200
RI-HE /IV-225	Ain Ebel	Health & Educ	8,619	7,200		7,200	15,819
	Jibracl	Agriculture	34,645		-	0	34,645
	Akkar	Agriculture	22,057		5,000	5,000	27,057
	El, Nabl Qusman	Agriculture	18,531		5,000	5,000	23,531
	Kfarayr	Agriculture	500		-	0	500
	Tannoura	Agriculture	518		-	0	518
<b>Total Rural Infrastructure U.S.\$</b>			<b>3,146,019</b>	<b>735,965</b>	<b>1,473,751</b>	<b>2,209,716</b>	<b>5,355,735</b>

65

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
EM / I - 1	Akkar El Attika	Environment	64,904	8,000	18,000	26,000	90,904
EM / VI - 2	Tannoura Cluster	Environment	12,928		2,330	2,330	15,258
EM / V - 3	Sir El Gharbieh	Environment	2,609		300	300	2,909
EM / II - 4	Tekrit	Environment	2,000		-	0	2,000
EM / I - 5	Koss Akkar	Environment	145,799	6,000	40,000	46,000	191,799
EM / V - 6	Nabatiych el Fawka	Environment	190,000		135,000	135,000	325,000
EM / V - 7	Kfarsyr Cluster	Environment	5,725		2,266	2,266	7,991
EM / I - 8	Akkar Cluster	Environment	3,206		1,000	1,000	4,206
EM / VI - 9	Marj El Zouhour	Environment	131,834	10,000	122,000	132,000	263,834
EM / II - 10	Rahbeh	Environment	14,851		4,817	4,817	19,668
EM / II - 11	Jibrael	Environment	3,629		10,000	10,000	13,629
EM / IV - 12	Bint Jbeil	Environment	6,375		2,175	2,175	8,550
EM / V - 13	Kfarsyr	Environment	4,759		2,150	2,150	6,909
EM / VI - 14	Tannoura Cluster	Environment	1,526		400	400	1,926
EM / V - 15	Kfarsyr Cluster	Environment	221,567	18,000	2,000	20,000	241,567
EM / VI - 16	Kfeir	Environment	21,274		3,500	3,500	24,774
EM / VI - 17	I&I	Environment	19,894			0	19,894
EM / III - 18	El Nabi Ousman	Environment	23,733		20,000	20,000	43,733
EM / V - 19	Kfarsyr	Environment	14,811		7,000	7,000	21,811
EM / VI - 20	Kfeir	Environment	9,035		5,000	5,000	14,035
EM / IV - 21	Mays EL Jabal	Environment	245,000	20,000	80,000	100,000	345,000
EM / I - 22	Akkar El Attika	Environment	278,203	20,000	96,000	116,000	394,203
EM / III - 23	El Nabi Ousman	Environment	15,000		750	750	15,750
EM / I - 24	Akkar El Attika	Environment	65,000		20,000	20,000	85,000
EM / VI - 25	Ain Harcha	Environment	120,000	4,000	71,000	75,000	195,000
EM / VI - 26	Yanta	Environment	307,000	36,000	132,000	168,000	475,000
EM / VI - 27	Kfeir	Environment	293,000		126,000	126,000	419,000
EM / 28	All Clusters	Environment	15,000		5,000	5,000	20,000
EM / VI - 29	Tannoura Cluster	Environment	11,598		4,300	4,300	15,898
EM / VIII - 30	Rihane	Environment	45,000		12,000	12,000	57,000
EM / IV - 31	Bint Jbeil	Environment	190,000		130,000	130,000	320,000
EM / VI - 32	Mymess	Environment	58,000	8,000	12,000	20,000	78,000
EM / VI - 33	Maarakeh	Environment	200,000	9,000	131,000	140,000	340,000
<b>Total Environmental Activities U.S.\$</b>			<b>2,743,260</b>	<b>139,000</b>	<b>1,197,988</b>	<b>1,336,988</b>	<b>4,080,248</b>
<b>Total Rural &amp; Environmental Activities U.S.\$</b>			<b>5,889,279</b>	<b>874,965</b>	<b>2,671,739</b>	<b>3,546,704</b>	<b>9,435,983</b>

66

Code No.	Village	Project sector	AID US\$ funds	Local Contribution			Total Cost US \$
				Land	Labor & Cash	Total \$	
EO/I -1	Akkar el Attika	Economic Opportunities	48,500		6,275	6,275	54,775
EO/IV -2	Yarine	Economic Opportunities	40,750		5,000	5,000	45,750
EO/I -3	Beit Mellat	Economic Opportunities	17,000		8,000	8,000	25,000
EO/II-4	Rahbe	Economic Opportunities	33,750	15,000	6,000	21,000	54,750
EO/VIII -5	El Rihanc	Economic Opportunities	33,750	10,000	3,400	13,400	47,150
EO/VI -6	El Kfeir	Economic Opportunities	33,750	10,000	2,500	12,500	46,250
EO/IV -7	Bint Jbeil	Economic Opportunities	33,750		6,000	6,000	39,750
EO/IV -8	Aytaroun	Economic Opportunities	50,000		6,000	6,000	56,000
EO/VII -9	Deir Qanoun ElNaher	Economic Opportunities	35,000		6,000	6,000	41,000
EO/IV -10	Bint Jbeil	Economic Opportunitca	35,000	20,000	4,200	24,200	59,200
<b>Total Economic Oppurtunities Activities U.S.\$</b>			<b>361,250</b>	<b>55,000</b>	<b>53,375</b>	<b>108,375</b>	<b>469,625</b>
<b>Total Rural, Env. &amp; Economic Oppurtunities Activities U.S.\$</b>			<b>6,250,529</b>	<b>929,965</b>	<b>2,725,114</b>	<b>3,655,079</b>	<b>9,905,608</b>

67

<b>(1) Cluster Aakkar EL Atika - North Lebanon - 3 villages</b>				
Aakkar El Attika		Aaiyat		
(Koss& Shakdouf Akkar )		Daoura		
<b>(2) Cluster Tikrit - North Lebanon - 6 villages</b>				
Tikrit	Beit Mellat			
Ilat	Rahbe			
Dahr El Laysyneh	Jebayel			
<b>(3) Cluster ELAin - Baalbeck - 4 villages</b>				
ELAin	En Nabi Osmane			
Jdaidet El Fakha	El Fakha & Zaytoun			
<b>(4) Cluster Bent Jbail - South Lebanon -Cluster expansion - 22 villages</b>				
*BentJbail	*Ain ebel	*Yaroun	*Marouahine	*Rabb Et Talatine
*Ainata	*Bida	*Houla	*Zalloutiye	Bent Haiyan
*Maroun er ras	*Meis el Jabal	*Markaba	*Dhaira	Hanine
*Aaitaroun	*Mhaibib	*Talloussa	*Btaichiye	El kantara
		*Et Taibe	*Yarine	
<b>(5) Cluster Nabatiye - South Lebanon - Cluster expansion - 17 villages</b>				
*Kfarsir	*El Qsaibe	En Nabatiye	Kfar Tebrt	Kfar Roummane
*Sir El Gharbiye	*Jibchit	Maifadoun	Arnoun	Zaoutar ech Charqiye
*Braiqa		Choukine	Habbouch	Zaoutar el Gharbiye
*Aadchit		En Nabatiye El Faouqa	Qaaqalet El Jsr	
<b>(6) Cluster Rachaya - Hasbaya - Cluster expansion - 14 villages</b>				
*Ain Aata	*Marj El Zouhour	Aaita El Foukhar	Mdoukha	
*Ain Hourche	*Mimes	Ain Arab	Khirbet Rouha	
*Tannoura	*El Khalouat	Yanta		
*Beit Lahia	*El Kfair	Bekka		
<b>(7) Cluster Tyre - South Lebanon - New Cluster - 20 villages</b>				
*Maarake	*Chehour	El Bazourige		
*Aabbassiye	*Maaroub	El Chhabiye		
*Deir Qanoun En Nahr	Qana			
*Tairfalsay	Deir Aamess			
*Elhmayry	El Biyad			
*Derdghaya	Zebqine			
*Barich	Aaitit			
*Ghandouriye	Hanaouay			
*Arzoun	Berj Ech Chemali			
<b>(8) Cluster Jabal Er Rihane - South Lebanon - New Cluster - 9 villages</b>				
Jabal Er Rihane	Sejoud			
Aaramta	El Aachiye			
Mlikh	El Jarmaq			
Es Srairi	El Qatranf			
Maidoun				

\*\* Bold and Italic refer to new /expanded villages \* 416 B

**ANNEX D**  
**Agricultural Skills Training**  
**October 1, 1997 – March 31, 2002**

Training sessions, held in Jebrael farm covered topics such as fertilizer use and application, weed control, appropriate methods and techniques for water saving, pest and disease control on vegetables along with improved crop varieties, mechanization and modern technology. Information relayed in the sessions would enable the local farmers to grow high yielding crops of good quality and adequate economic return at a lower cost, of production.

***Jebrail Demonstration Plot***

Title	Date	Cluster	# of part	# of vill	Objectives
<i>Pest &amp; diseases control for apples, pears, pepper and eggplant</i>	26/7/98	Tekrit	34	1	<ul style="list-style-type: none"> <li>&gt; To train participants in timing and quantity of chemical applications</li> <li>&gt; To introduce new developments concerning agricultural practices</li> <li>&gt; To stress prevention of certain problems as opposed to treatment</li> <li>&gt; To convey the importance of knowing the active ingredient</li> </ul>
<i>Irrigation and fertigation</i>	8/8/98	Tekrit & Akkar al attika	49	6	<ul style="list-style-type: none"> <li>&gt; To inform participants on the rationale irrigation schedule</li> <li>&gt; To train participants in the quantity and method of water applications</li> <li>&gt; To convey the benefit of Drip Irrigation Systems</li> <li>&gt; To introduce the concept of chemigation</li> </ul>
<i>Fertilizer use And Application</i>	24/8/98	Tekrit & Akkar al attika	54	4	<ul style="list-style-type: none"> <li>&gt; To introduce various fertilizers and methods of application</li> <li>&gt; To train participants in selection of fertilizers, quantity and timing of application for different crops</li> </ul>
<i>Pest control on almond and olives</i>	17/9/98	Tekrit & Akkar al attika	21	2	<ul style="list-style-type: none"> <li>&gt; To introduce concepts and methods of pest control for olives and almonds</li> <li>&gt; To train participants in prevention of diseases that affect olives and almonds</li> </ul>
<i>Upgrading of Apple production in Lebanon</i>	6/11/98	Tekrit & Akkar al attika	85	4	<ul style="list-style-type: none"> <li>&gt; To improve cultural practices</li> <li>&gt; Pruning and training practices</li> <li>&gt; Pest control and weed control</li> <li>&gt; Pollination, fruit thinning and harvesting</li> </ul>
<i>Marketing: Problems &amp; Solutions</i>	19/12/99	Tekrit	27	3	<ul style="list-style-type: none"> <li>&gt; Crop marketing strategies</li> <li>&gt; Promotion of agricultural coop activities</li> <li>&gt; Packaging, grade uniformity with related sales prices</li> <li>&gt; Promoting and diffusing Jibrael successful experiences</li> </ul>
<i>Training &amp; pruning Kiwi trees</i>	5/4/00	Tekrit & Akkar al attika	17	6	<ul style="list-style-type: none"> <li>&gt; Kiwi trees production: growth requirements, climate and water demand</li> <li>&gt; Appropriate pruning techniques</li> <li>&gt; Cultural practices for growing fruit trees.</li> </ul>
<i>Pruning &amp; propagating Kiwi trees</i>	21/3/01 18/7/01	Tekrit Tekrit	14 9	4 3	<ul style="list-style-type: none"> <li>&gt; Training &amp; pruning techniques for kiwi trees</li> <li>&gt; Propagation techniques by cuttings</li> </ul>
<b>TOTAL</b>			<b>310</b>	<b>8</b>	

### ***Pilot fruit trees prototype farm***

*Training sessions were provided to assist farmers in solving their most serious orchard management problems as an attempt to increase their productivity. Attention was focused on improving agricultural practices and farm management techniques. Specifically, the training sessions addressed the following topics: new irrigation methods, fertilization, weed control, pest and disease control, fruit thinning, pruning and upgrading fruit trees, also new methods in packaging and handling of fruit*

<b>Title</b>	<b>Date</b>	<b>Cluster</b>	<b># of part</b>	<b># of vill</b>	<b>Objectives</b>
<i>Pruning and training of fruit trees</i>	5/3/99	Akkar	27	1	<ul style="list-style-type: none"> <li>➤ Proper pruning technique for newly planted trees</li> <li>➤ Effects of pruning on the structure and frame of trees</li> <li>➤ Basic pruning principles</li> </ul>
<i>Development of fruit trees production</i>	9/6/99	Al ain	43	2	<ul style="list-style-type: none"> <li>➤ To improve fruit trees production by adopting new methods in planting</li> <li>➤ To introduce new developments concerning orchard practices</li> <li>➤ To stress the benefit of rootstocks</li> <li>➤ To convey the importance, characteristics and specification of new varieties and kinds of fruit trees</li> </ul>
	2/7/99	Akkar	36	5	
<i>Irrigation and Fertilizers use</i>	24/7/99	Al Ain	17	2	<ul style="list-style-type: none"> <li>➤ Rationale and timing of irrigation</li> <li>➤ Quantity and method of water applications</li> <li>➤ Advantages of new irrigation techniques</li> <li>➤ Fertilizer use and methods of application</li> <li>➤ Fertilizer selection: quantity and timing of application for different crops</li> <li>➤ To introduce the concept of chemigation</li> </ul>
<i>Weed control</i>	27/7/99	Al Ain	60	3	<ul style="list-style-type: none"> <li>➤ Weed control measures</li> <li>➤ Suitable solutions and recommendations to combat weeds in fruit trees</li> <li>➤ Weed control practices</li> </ul>
	29/7/99	Akkar	31	5	
<i>Training and pruning dwarf fruit trees</i>	31/3/00	Akkar	16	2	<ul style="list-style-type: none"> <li>➤ Demonstration of the appropriate pruning technique</li> <li>➤ Training trees for increasing the quality and quantity of fruits.</li> </ul>
	6/4/00	Al Ain	13	1	
<i>Disease and pests on apples and pears</i>	26/4/00	Akkar	50	4	<ul style="list-style-type: none"> <li>➤ Timing and quantity of chemicals used for best results</li> <li>➤ Safest method of using the adequate chemical and safety measures to be followed.</li> </ul>
	5/5/00	Al Ain	50	1	
<i>Grafting</i>	5/7/00	Al Ain	25	1	<ul style="list-style-type: none"> <li>➤ Demonstration of grafting by budding and T-bud</li> <li>➤ Exposing the summertime grafting technique T-bud</li> </ul>
<i>Pruning and training of fruit trees</i>	25/3/01	Akkar	13	1	<ul style="list-style-type: none"> <li>➤ Proper pruning and training technique for planted trees</li> <li>➤ Effects of pruning on the structure and frame of trees</li> </ul>
<i>Apple Scab</i>	19/5/01	Akkar & Tekrit	100	5	<ul style="list-style-type: none"> <li>➤ Inform farmers about the life cycle of the scab disease</li> <li>➤ Determine the factors favoring its propagation</li> <li>➤ Define a preventive and a curing treatment for this purpose</li> </ul>
<b>TOTAL</b>		<b>Al Ain</b>	<b>208</b>	<b>4</b>	
		<b>Akkar</b>	<b>273</b>	<b>6</b>	

**Table 3.3: Off farm training – Ksaybeh & Tannoura Clusters**

Title	Date	Cluster	# of part	# of vill	Objectives	
<i>Olive production and Pest control</i>	10/2/00	Ksaybeh	25	1	<ul style="list-style-type: none"> <li>➤ Olive trees/ pest control</li> <li>➤ Integrated pest management techniques</li> <li>➤ Impact of irrigation and fertilizer application</li> <li>➤ Introduction of proper and advanced harvesting techniques</li> <li>➤ Improve and increase production at a lower cost</li> </ul>	
	7/3/00	Tannoura	35	4		
<b>TOTAL</b>		<b><i>Ksaybeh Tannoura</i></b>	<b>78</b>	<b>5</b>		

**ANNEX E**  
**Civic Participation & Community Education**  
**October 1, 1997 – March 31, 2002**

Code	Cluster (and location)	Date	# of Participants	Activity Title	Format	Objective
CP1	Akkar El Attika Tekrit Tannoura Kfarsyr	11/5/98 15/5/98 23/5/98 26/5/98	100 50 40 35	Role and Responsibilities of the Municipal Council	Conferences	To raise awareness of and discuss the role and responsibilities of municipal councils.
CP2	Akkar El Attika	19&21/6/98	27 local leaders	Empowering Local Committees for Development Works	Workshop	To activate the role of local committees as participants in and leaders of local development.
CP3	Akkar El Attika & Tekrit (Tripoli)	29-30/7/98	38 northern NGOs & schools' reps	Children's Rights Protection	Workshop	Skills training for the prevention of and intervention in minor delinquency.
CP4	Kfarsyr (Beirut)	13-20/7/98	28 youths	Mobilizing Local Youth for Active Participation	Training camp	To introduce and train youth in participation, communication, democracy, group work, needs identification, project management, and environmental issues.
CP5	Akkar El Attika & Tekrit (Beirut)	22-29/7/98	58 youths from the 2 clusters	Mobilizing Local Youth for Active Participation	Training camp	To introduce and train youth in participation, communication, democracy, group work, needs identification, project management, and environmental issues.
CP7	Kfarsyr, Akkar El Atika (Adchit)	22-24/9/98	50 youth from 3 clusters	Rehabilitation of Public School	Voluntary work-camp	To integrate youth from different religious communities and regions of the country to work together on a project for communal benefit.
CP9	Tekrit (Rahbeh)	18/12/98 & 12/2/99	26	Municipal Governance	Workshop training	To enhance municipal work
CP11	Akkar El Atika (Akkar / Ayat)	27/1/99 & 19&26/2/99	21	Municipal Governance	Workshop training	To enhance municipal work
CP12	Tannoura (Ain Ata / Miness)	15/3/99	21	Municipal Governance	Workshop training	To enhance municipal work
CP13	Tannoura (Ain Ata) (Miness)	20/3/99 & 29/3/99	31	Education for development/ youth empowerment	Workshop training	To increase youth participation & involvement in community work
CP14	El Ain (El Assi)	21/3/99	35	Education for development/ youth empowerment	Workshop training	To increase youth participation & involvement in community work.
CP15	All clusters (Broumana)	5,6,7,8/4/99	15	Training of trainers	Training seminar	To train youth leaders for active mobilization & implementation of development /volunteer work.

Code	Cluster (and location)	Date	# of Participants	Activity Title	Format	Objective
CP 16	El Ain Kfarsyr Tannoura (Ras El Metn)	16-21/ 7/1999	19	Volunteer Work Camp Director	Training camp	To train and prepare youth leaders from cluster villages, to conduct summer volunteer work camp in their clusters
CP 17	Kfarsyr (El Ksaybeh)	6-15/8 1999	35	Construction of youth club	Voluntary work-camp	Implementation work and training on a project related to youth activities, in order to enhance their mobilization around a common project and issue
CP 18	Tannoura (El Kfeir)	12-21 8/1999	57	Construction of a football and multi- purpose court	Voluntary work-camp	Implementation work on a project related to youth activities in order to enhance their mobilization around a common project and issue
CP 19	El Ain (Nabi Ousman)	18-27 8/1999	25	Extension works for a youth club	Voluntary work camp	Implementation work on a project related to youth activities in order to enhance their mobilization around a common project and issue
CP 20	El Ain (Nabi Ousman)	31/10/1999	40	Education for development/ youth empowerment	Training/2 nd phase	Diagnose needs and suggestion for developmental plans
CP 21	Tannoura (El Kfeir)	7/11/1999	28	Education for development/ youth empowerment	Training/2 nd phase	Diagnose needs and suggestion for developmental plans
CP 22	Kfarsyr (El Ksaybeh)	14/11/1999	17	Education for development/ youth empowerment	Training/2 nd phase	Diagnose needs and suggestion for developmental plans
CP 23	5 Clusters	1999	54	Provision of equipment & computer training for 11 municipalities		
CP 24	5 Clusters (7clubs) El Ain, Tannoura, Kfarsyr, Akkar el Atika, Tekrit	11- 12/12/1999	19	Youth clubs, organizational role in rural development	Training seminar	Exploratory phase: Investigate level, capacities, and future capabilities of available local clubs to encompass youth activities.
CP 25	Tannoura (El Kfeir)	15- 16/1/2000	20	Environmental protection/ Reforestation	Voluntary work-camp	Implementation work and training on a project related to youth activities, in order to enhance their mobilization around a common project and issue.
CP 26	El Ain (Nabi Ousman)	29- 30/1/2000	33	Environmental protection/ Reforestation	Voluntary work-camp	Implementation work and training on a project related to youth activities, in order to enhance their mobilization around a common project and issue.
CP 27	5 clusters(7clubs) El Ain, Tannoura, Kfarsyr, Akkar El Attika, Tekrit	19-20/ 2/2000	25	Project selection development, & execution design	Training seminar/2 <sup>nd</sup> phase	Responding phase: identifying, planning and securing financial and legal support for development plans and actions.
CP 28	Kfarsyr & Tannoura (Ras El Metn)	10-12/ 7/ 2000	12	Volunteer work camp director	Training camp	To train and prepare youth leaders in planning, organizing, and implementing summer work camps in their clusters.

Code	Cluster (and location)	Date	# of Participants	Activity Title	Format	Objective
CP 29	Kfarsyr (Ksaybeh)	20-29/7/2000	40	Finishing works for a youth club	Voluntary work camp	Implementation work and training on a project related to youth activities, in order to enhance their mobilization around a common project and issue
CP 30	Tannoura (El Kfeir)	4-13/8/2000	30	Rehabilitation works for the village pine forest	Voluntary work camp	Implementation work and training on a project related to youth activities, in order to enhance their mobilization around a common project and issue
CP 31	Tannoura (El Kfeir)	29/12/2000	20	Youth empowerment for community work	Workshop – training	Accompaniment processes for assessing, writing and implementing a community project.
CP 32	El Ain (Nabi Osman)	30/12/2000	24	Youth empowerment for community work	Workshop – Training	Accompaniment processes for assessing, writing and designing a community project.
CP 33	El Ain (Nabi Osman)	4/3/2001	43	Implementation of community volunteer activities	Workshop – Training	Assisting newly trained youth nucleus in launching the library activities and a related series of conference
CP 34	Tannoura (El Kfeir)	11/2/2001	18	Implementation of community volunteer activities	Workshop – Training	Assisting newly trained youth nucleus in launching a blood type testing campaign
CP 35	3 clusters (Akkar El Atika, Nabi Osman, Kfarsyr)	17-18/2/2001	27	Public issues, civic knowledge and participation	Focus group	To explore priority topics and investigate with program beneficiaries best implementations approaches and modalities.
CP 36	Kfarsyr (Ksaybe)	25/2/2001	35	Youth empowerment for community work	Workshop – Training	Accompaniment processes for assessing, writing and designing of a community project.
CP 37	Kfarsyr (Ksaybe)	6/5/2001	25	Implementation of community volunteer activities	Workshop – Training	Assisting newly trained youth nucleus in researching and documenting village cultural and historic background.
CP 38	4 clusters (Akkar El Atika, Kfarsyr Tannoura, Nabi Osman) -Bikfaya-	9-10 June 2001	20	Public issues, civic knowledge and participation	Workshop – Training	Training of trainers-Mobilization and training on the political system mechanism, and decision making in public issues
CP 39	4 clusters (Akkar El Atika, Kfarsyr Tannoura, Nabi Osman) -Jeita-	1 July 2001	11	Public issues, civic knowledge and participation	Workshop – Training	Training of trainers-Enhancing Civic Participation, community Involvement
CP40	4 clusters (Akkar El Atika, Kfarsyr Tannoura, Nabi Osman) -Ras el Mten-	5-12 July 2001	66	Education on Democratic Principles	Training Camp	Training of leaders-Education on Democratic principles and activities aimed at introducing youth to democratic concepts

Code	Cluster (and location)	Date	# of Participants	Activity Title	Format	Objective
CP41	4 clusters (Akkar El Atika, Kfarsyr Tannoura, Nabi Osman) -Ras el Mten-	15-25 July 2001	120	Education on Democratic Principles	Summer Camps	Residential summer camps for children to introduce them to democratic principles specifically children rights
CP 42	3clusters (Kfarsyr Tannoura, Nabi Osman)	1-6 August 2001	12	Education on Democratic Principles	Training camps	Training of leaders-Education on Democratic principles and activities aimed at introducing youth to democratic concepts
CP43	El Ain (Nabi Osman)	10 & 11/8/2001 1/9/2001	22	Public issues, civic knowledge and participation	Workshop-Training	Mobilization and training on the political system mechanism, and decision making in public issues
CP44	Akkar El Atika (Rahbeh)	1-2/9/2001 8/9/2001	20	Public issues, civic knowledge and participation	Workshop-Training	Mobilization and training on the political system mechanism, and decision making in public issues
CP45	Tannoura (Kfeir)	14 &15 September 2001	12	Public issues, civic knowledge and participation	Workshop-Training	Mobilization and training on the political system mechanism, and decision making in public issues
CP 46	All clusters	6 days planned	20	Public issues, civic knowledge and participation	Workshop-Training	Women Mobilization and training on the political system mechanism, and decision making in public issues.
<b>TOTAL</b>		<b>160 days</b>	<b>1524 participants</b>			