



Although 2007 was marked by several political crises and security disturbances, it was also distinguished by a number of achievements in the development and reconstruction field.

On the one hand, it can be said that Lebanon was able to withstand and recover from the direct consequences of the Israeli aggression of 2006. Most of the damage inflicted upon our infrastructure and public service facilities was restituted, and a major part of the assistance earmarked for the reconstruction of houses was paid.

On the other hand, the beginning of 2007 witnessed the International “Rafic Hariri - Paris III” conference, hosted and sponsored by the former French president, Jacques Chirac. This conference provided Lebanon with unconditional and unprecedented financial, economic and political support. Lebanon was able to garner from the participating parties pledges of financial assistance that exceeded all expectations: Seven billion and six hundred million US dollars covering a number of specific applications.

Several development projects were also launched in various regions of Lebanon and several funding agreements were concluded, including the grants approved by the Council of Ministers, as well as the loan protocols referred to parliament for ratification.

In addition to the reconstruction process, destruction also had its share this year. This time it hit Nahr Al Bared camp and the surrounding areas of North Lebanon, creating additional burdens resulting from the direct and indirect damages caused by these events. These damages occurred at a time when Lebanon was trying to recuperate from the July 2006 war.

As known in general, the Lebanese government adopted a new special reconstruction dynamic. This called for all stakeholders to become involved in this process and to join their efforts together for achieving optimal results as rapidly as possible, and at the same time maintaining transparency throughout the reconstruction process. This approach has proven to be wise and effective as demonstrated by the results achieved.

In the education sector, most rehabilitation works have been completed under the supervision of the relevant ministry, in cooperation with the Higher Relief Committee and with the support of several foreign bodies. Restoration of about 800 out of 862 damaged schools was completed.

In the health sector, the ministry was able to rehabilitate and operate most



damaged hospitals within a short period. It is currently making the necessary preparations for building new hospitals in Sheba'a (grant from UAE), Saida (grant from Turkish Red Crescent), Minieh (grant from the Kuwait Red Crescent), in addition to several health centers financed in the form of grants provided by a number of donors.

In the electricity, water and telecommunications sectors, most of the required rehabilitation works were achieved. They were supervised by the Ministry of Power and Water as well as the Ministry of Telecommunications, in coordination with the Higher Relief Committee, donors and NGOs. Work is ongoing to complete the fuel storage tanks at the Jieh thermal power plant.

The transportation sector sustained the greatest amount of damages, particularly the road and highway networks, and mostly the bridges on these networks. Out of the 91 damaged bridges, the reconstruction of 75 bridges was completed by the end of 2007, while work is ongoing to complete the rest. This came as a result of cooperation between the Ministry of Public Works and Transport and CDR that supervised the works, although most bridges were financed and implemented by private individuals, institutions or donor countries.

The Paris III, and earlier the Stockholm Conference, played an important role in supporting the government in its reconstruction endeavors. The Stockholm Conference focused on relief and urgent rehabilitation works, while the Paris III Conference concentrated on supporting the public finance, economic recovery and assisting the government to implement its reform program.

A significant share of the Paris III pledges were earmarked for general investments, although some of these have not yet been allocated to specific projects.

In this respect, it is worth noting that the delay in commencing the projects financed by external loans, which was due to several factors mainly the problem of land expropriation, has caused higher implementation costs. During the interim period, prices of most construction materials have gone up significantly including the rise in the exchange rate of the European currency and the rise in oil prices. Consequently, the government's share in financing these projects has also gone up.

CDR is taking several measures to address this problem, mainly:

Seeking to use part of the pledges of the Paris III Conference to cover contingent increases in project costs, instead of using local funding.



Allocating part of the grants to cover the funding gap in certain projects partially financed by external loans.

Requesting additional loans for projects whose costs have increased significantly.

Reviewing the design of certain projects for breaking them down into several phases, whereby the execution of each phase will be synchronized according to the availability of funding.

These issues have not hindered CDR from continuing its investment program. In 2007, new projects were launched in various Lebanese regions, and significant funding agreements were referred to parliament for ratification.

In 2007, a prominent event emerged that will have a serious effect on public contracting procedures. The Council of Ministers approved the two draft laws related to procurement and the creation of an Administration for Procurement together with the draft decree related to the general conditions of public works projects. The proposed provisions are mainly based on:

Securing the terms required for fair competition among contractors.

Protecting the rights of the bidders and the governmental administration throughout the tendering process in a transparent way.

Establishing the rights and obligations of both parties to the contract in a fair way, that is the public administration and the contractor.

Setting down the controls for preserving public funds.

To stimulate the working environment at CDR, the Council of Ministers commissioned the Civil Service Council to carry out a competition for filling 38 vacancies at CDR. The remaining vacancies will be filled later. We trust that this will be conducted in 2008 to provide CDR with new and young elements needed to ensure the continuity of work, particularly as a number of employees have retired and others will be retiring soon.

The above measures like developing laws pertaining to procurement and stimulating work at CDR are part of the measures that the government pledged to realize in its reform paper submitted to the Paris III Conference.

This confirms again that the government is fully determined to implement the reform process despite the difficulties that Lebanon has been facing. We also trust that these difficulties will be resolved as of 2008.

# Introduction



This report presents an overview of CDR's activities during 2007. It contains discussion of significant achievements from 1992 to 2007, development during 2007 and the main projects in preparation.

Each sector includes three tables:

- The Sector Overview table lists projects that are complete or that are in progress. It includes the following information for each project:
  - The number and total value of contracts awarded up to 31 December 2007 (the value 0.0 indicates that the amount is less than US\$ 50,000);
  - The number and total value of completed contracts;
- The number and total value of contracts in progress and the percentage of completion for each project (averaged across the live contracts related to each project)
- The Contracts Awarded in 2007 table lists the contract awarded during the past year.
- The Contracts in Preparation table presents details of individual work packages or studies that are expected to be launched by CDR during the year 2008.

The report deals essentially with CDR work. For completeness of information, reference is made, where appropriate, to the activities of Ministries and other public bodies. The tables, however, include information relating to CDR activities only.



# General Overview of the Sectors

The activities of CDR cover various economic sectors. However, the extent of these activities varies from sector to sector in accordance with the Government's directives and Lebanon's free enterprise economic system. The role of the State is limited to the support and promotion of the private sector. CDR works in conjunction with the various ministries concerned by implementing investment projects and providing them with technical assistance.

Operation and maintenance of completed infrastructure projects remains the responsibility of the relevant ministries. However, CDR manages and implements operation and maintenance services that may be requested by the Government.

CDR is active in the following four main sector groups:

- 1 - Physical infrastructure: Electricity, telecommunications, roads & public transport;
- 2 - Social infrastructure: Education, public health, social and

economical development, land use and environment;

- 3 - Basic services: Water supply, wastewater, solid waste management;
- 4 - Productive and other sectors: Agriculture, irrigation, ports and airport, government buildings, technical assistance services, industry, tourism, media, fuel and others.

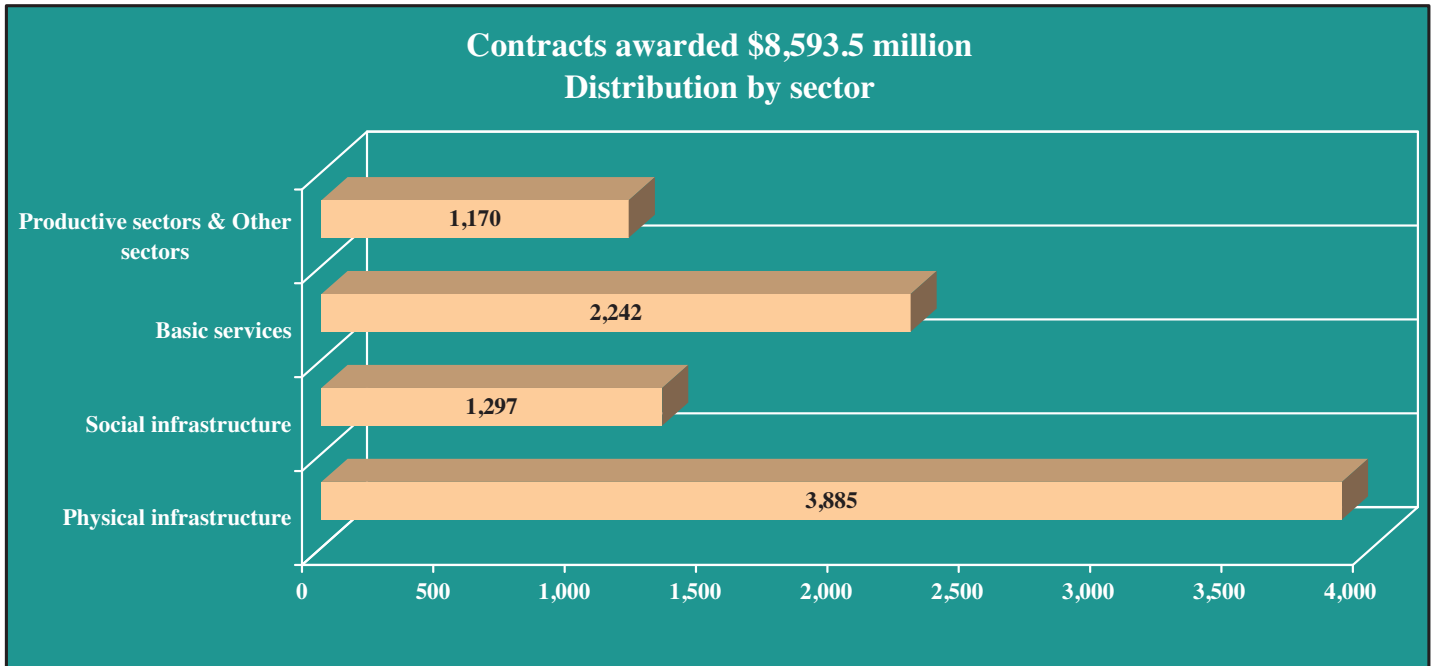
The total value of contracts signed by CDR between 1992 and the end of 2007 was about US \$ 8,593,3 million. About US \$ 6,121,1 million of the related projects have been completed while works valued at about US \$2,472,1 is underway. These contracts are distributed among sectors according to the following ratios:

The charts that follow provide an overview of the distribution of contracts over the main sectoral groups, as well as the distribution of contracts over the specific sectors that make up these sectoral groups.

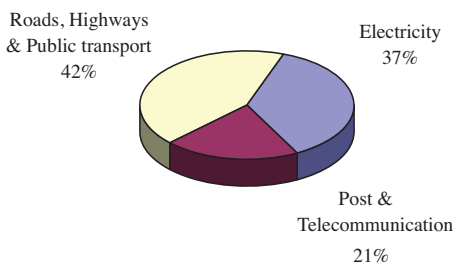
Sector	%
Electricity	17
Roads, Highways & Public Transport	19
Water supply and Wastewater	14
Telecommunications and Post	9
Solid waste	13
Ports and Airport (s)	8
Education, Sports facilities and Culture	10
Public Health	3
Other sectors	7

## Contracts awarded from 1 January 1992 to 31 December 2007

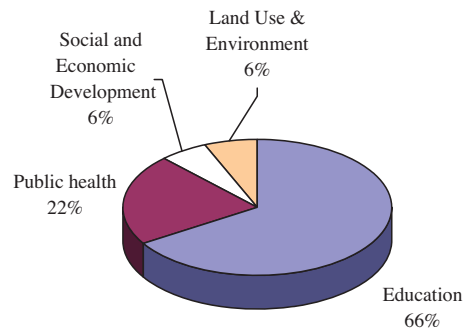
Sectors	Total			Completed		In progress		
	No	Amount	Foreign funding	No	Amount	No	Amount	prog
<b>Physical Infrastructure</b>								
Electricity	80	1,420.2	1,254.7	67	1,317.5	13	102.7	52%
Telecommunications, Posts	89	798.6	33.3	89	798.6			
Roads and highways, Public Transport	503	1,665.8	498.3	370	1,105.2	133	560.6	27%
<b>Social Infrastructure</b>								
Education & sports Facility	1,034.0	856.0	416.8	827	390.6	207	465.4	75%
Public health	292	282.1	202.0	266	262.2	26	19.9	73%
Social affairs	458	75.7	37.7	116	22.5	342	53.2	31%
Environment and Regional Planning	101	83.2	36.9	63	48.0	38	35.2	29%
<b>Basic Services</b>								
Water Supply	271	667.5	495.7	180	404.9	91	262.6	49%
Wastewater	222	497.2	267.3	176	288.5	46	208.7	40%
Solid Waste	90	1,077.5	32.4	77	481.6	13	595.9	83%
<b>Productive sectors and other sectors</b>								
Agriculture and Irrigation	202	110.2	84.4	189	91.6	13	18.6	46%
Ports and Airport	99	701.4	163.7	84	664.1	15	37.3	73%
Government Buildings	213	196.3	26.9	180	116.5	33	79.8	51%
Management & Implementation, other	332	154.1	84.8	229	122.0	103	32.1	44%
Other Sectors	28	7.2	5.7	28	7.2			
Miscellaneous	2	0.5	0.2	1	0.1	1	0.4	
<b>Grand Total</b>	<b>4,016</b>	<b>8,593.5</b>	<b>3,640.8</b>	<b>2,942</b>	<b>6,121.1</b>	<b>1,074</b>	<b>2,472.4</b>	<b>57%</b>



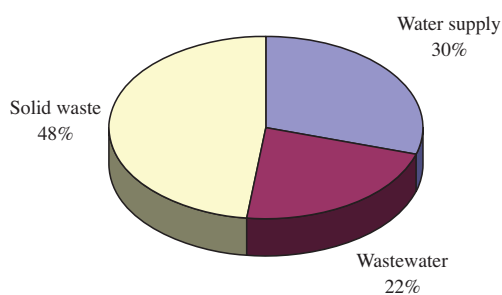
**Physical infrastructure \$3,884.6 million**



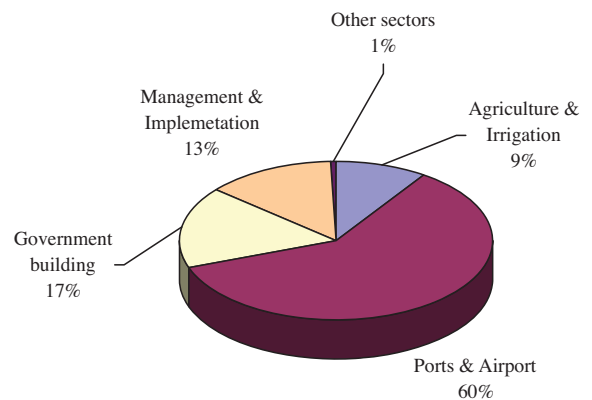
**Social infrastructure \$1,297 million**

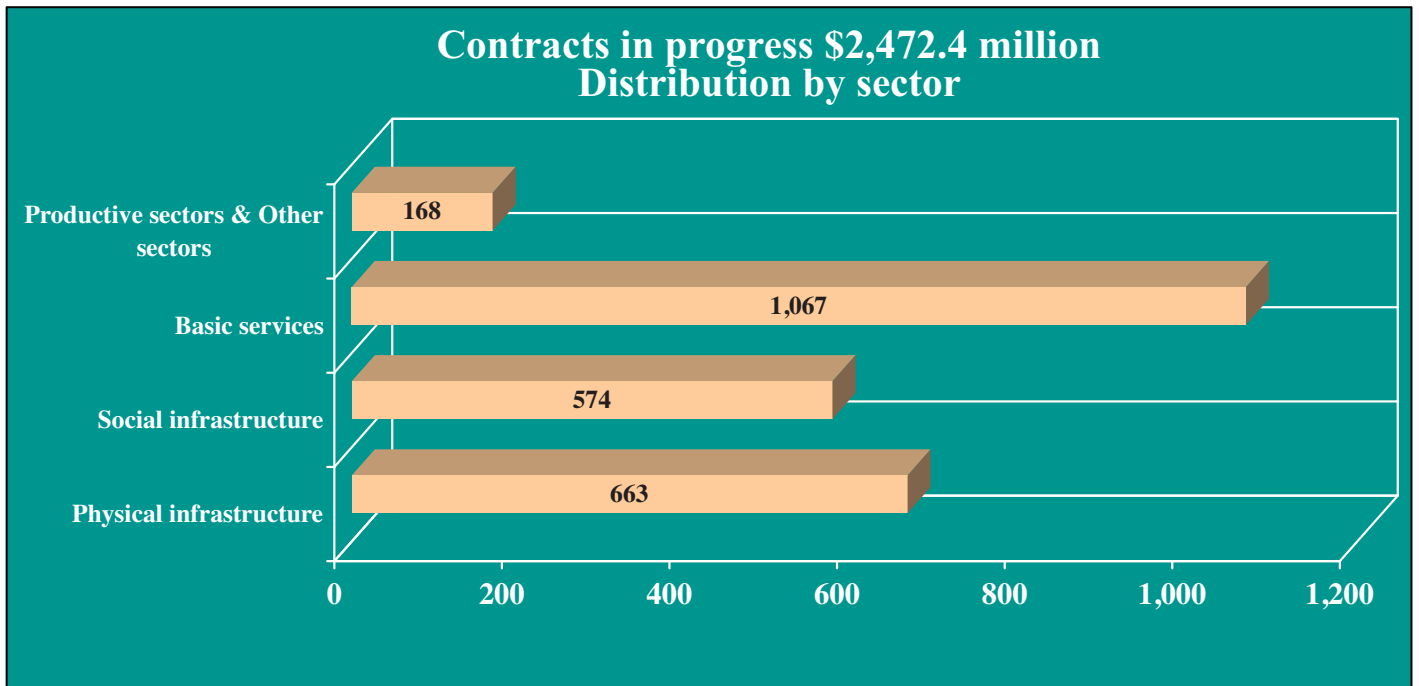


**Basic services \$2,242.7 million**

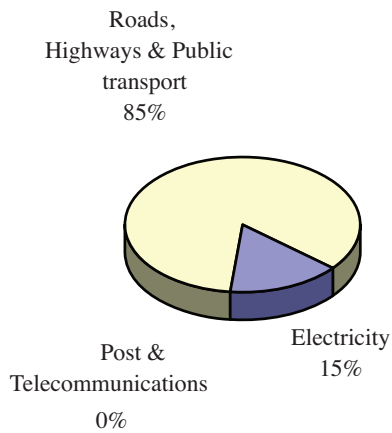


**Productive sectors & Other sectors \$1,169.7 million**

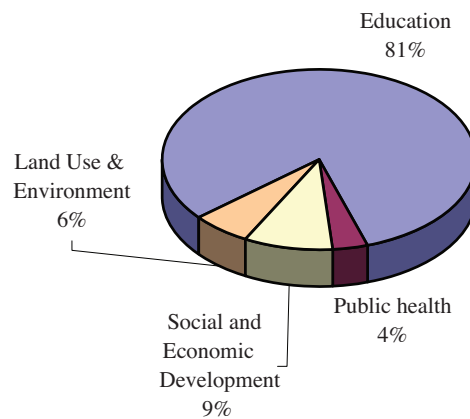




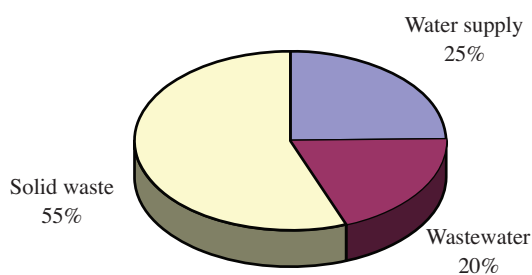
**Physical infrastructure \$663 million**



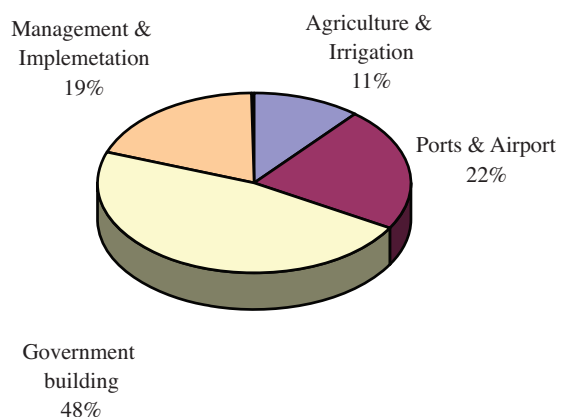
**Social infrastructure \$574 million**

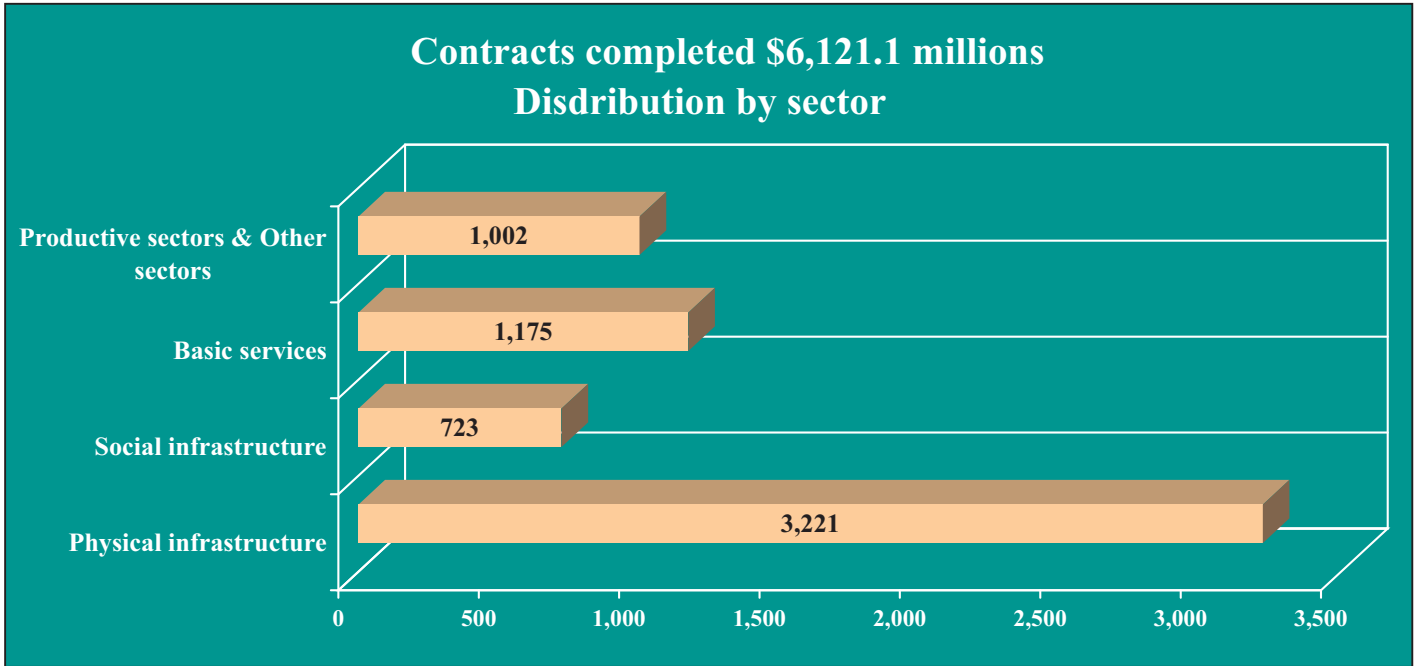


**Basic services \$1,067 million**



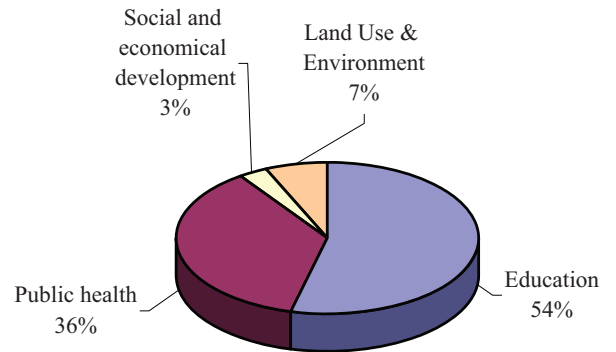
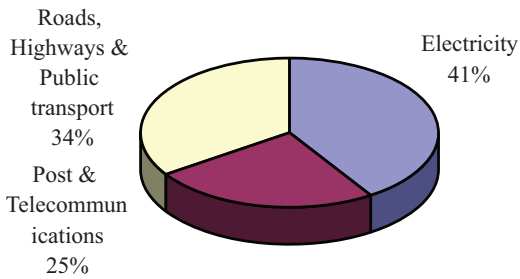
**Productive sectors & Other sectors \$168 million**





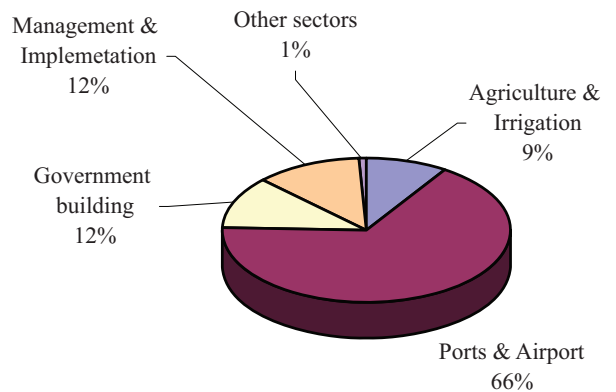
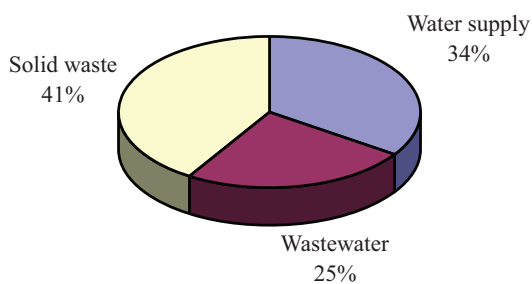
**Physical infrastructure \$ 3,217 million**

**Social infrastructure \$723.3 million**

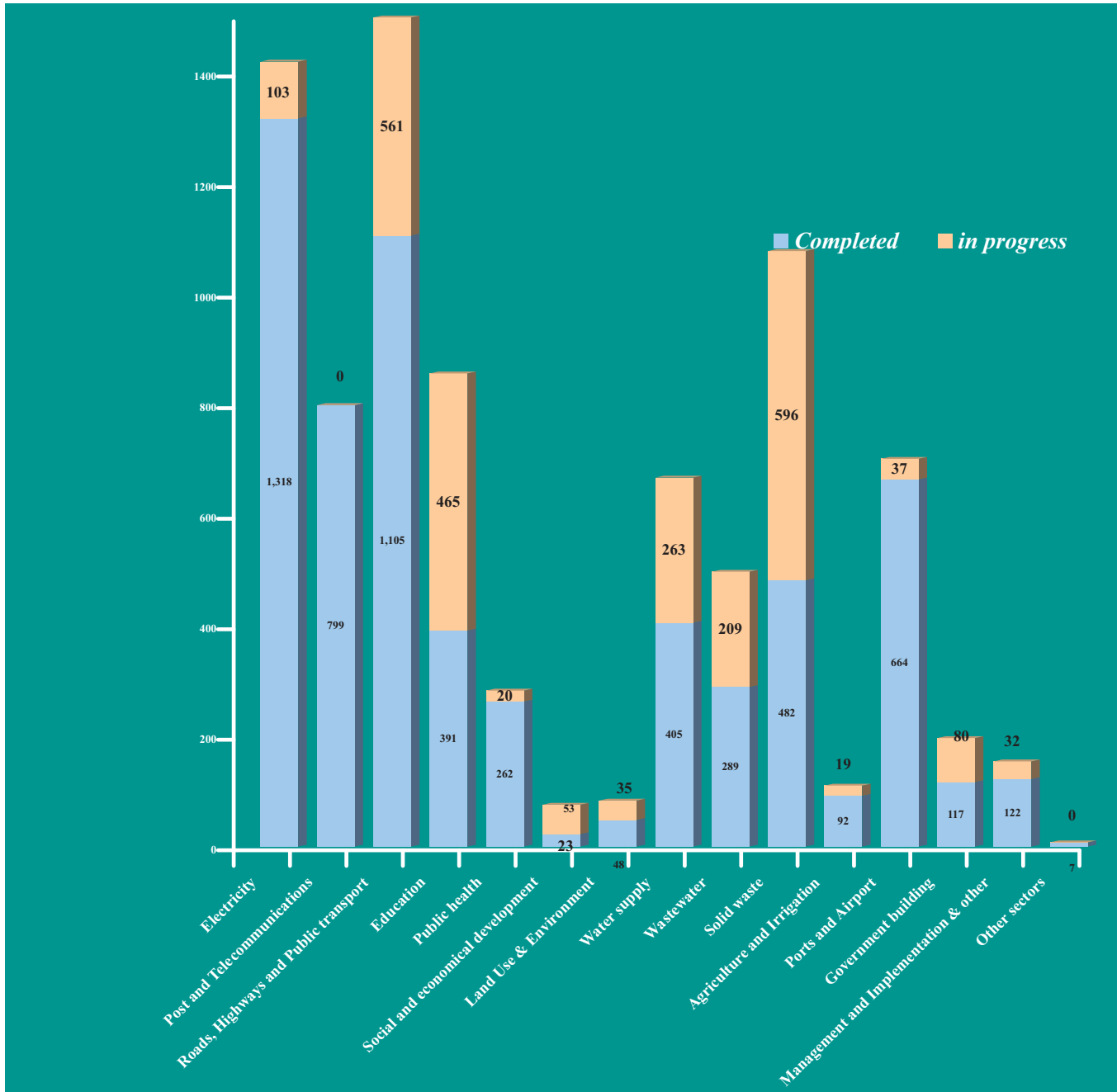


**Basic services \$1,175 million**

**Productive sectors & Other sectors \$1,001.4 million**



### Contracts awarded \$8,593.5 million (Completed & In progress) Distribution by sector



*N.B. The completed works include those works contracts that have been completed from the group of contracts that are still in progress.*



# Electricity

By the end of 2007, several major projects were completed in the electricity sector at an approximate cost of US 1.45 billion. After adopting the electricity sector reform plan prepared by the Ministry of Energy and Water, the government has been working, in collaboration with the Ministry of Energy and Water, Ministry of Finance, Electricité Du Liban (EDL), Higher Privatization Council and CDR to implement this plan, in conformity with the Electricity Sector Regulation Law No. 462, for re-structuring the sector, incorporating and privatizing certain parts of Electricité Du Liban in the future. Consequently, the development plans of the electricity sector shall depend, in the mid and long term, on the general policy of the government and the components remaining under its responsibility, following the proposed privatization process. However, this has not prevented the government from continuing its work to develop the administration, facilities and maintenance services of the electricity sector.

## **Achievements to Date**

At the end of the civil war in 1992, a plan for the rehabilitation and modernization of the sector was prepared to meet expected future demand by 2005. This plan envisaged: increasing the capacity of power generation plants,

expansion of transmission networks, administrative reform and securing technical assistance.

### *Rehabilitation of infrastructure:*

The immediate aim in 1992 was to restore power generation capacity to 1250 MW. This was achieved by the end of 1996 through the rehabilitation of both thermal and hydroelectric power plants, as well as distribution networks at a total cost of US\$ 376 million.

### *Increasing generating capacity:*

Two new gas generation units, each with a capacity of 70 MW, were installed in Sour and Baalbeck at a total cost of US\$ 61 million. These units have been put in service since the end of 1996.

Two-combined cycle generation plants, each with a capacity of 435 MW, were constructed in Beddawi (near Tripoli) and Zahrani (between Sour and Saida) at a total cost of US\$ 600 million. Each plant includes two gas generation units and one steam unit. These were completed in stages between 1998 and 2000.

Additionally, two generation units at Markaba hydroelectric power plant, each with a capacity of 17 MW, were rehabilitated at a cost of US\$ 5.3 million.

*Expansion of the transmission network:* In order to increase transmission of available power produced by the new power plants



*400 KV Interconnection network between several arab countries in Ksara.*

to all Lebanese regions, a new 220 kV transmission network was constructed at a cost of US\$ 359 million. This included the extension of 339 kms of overhead lines, 61 kms of underground cables and installation of 12 substations. At present, the Deir Nbouh- Ksara, Ksara - Aramoun, Aramoun - Zahrani - Sour and Tripoli- Halat overhead lines are complete, in addition, to all underground cables in Greater Beirut area and Tripoli and ten substations, eight of which were implemented by CDR, one by Solidere and the other by EDL in Bsalim. Therefore, the project for the expansion of the 220 kV transmission network is almost complete. The remaining works related to Halat -Bsalim overhead lines are expected to be complete during 2008.

*Seven-Country interconnection system:* During 2002, CDR awarded two contracts for

implementing the six-country interconnection network project (EIJLST) (Egypt, Iraq, Jordan, Lebanon, Syria and Turkey). This has now become the seven-country interconnection network after Libya joined the project. The first contract covered the extension of 400 kV EIJLSTL interconnection lines between Ksara and the Syrian border, at a cost of US\$ 5.9 million. The second covered the construction of 400 kV/220 kV substation in Ksara to connect it to the 220 kV national networks, at a cost of US\$ 7.3 million. This project will supply 300 MW of power in the short term and 600 MW in the mid and long terms. The works of the connection lines are complete, while the remaining works of the substation are expected to be complete during 2008. Both contracts are funded by the Arab Fund for Economic and Social Development (AFESD). In addition, CDR had acted

promptly to repair the Bsalim and Jamhour substations, which were severely damaged during the Israeli air attacks in April 1996 and June 1999.

*Technical Assistance:* Several technical assistance contracts have been awarded, including the introduction of a new management system for medium voltage customers (1100 connections) and improvement of electricity bill collection, which have doubled collections in related areas. Other contracts covered training of EDL employees, and provision of administrative assistance and experts to help EDL meet international standards.

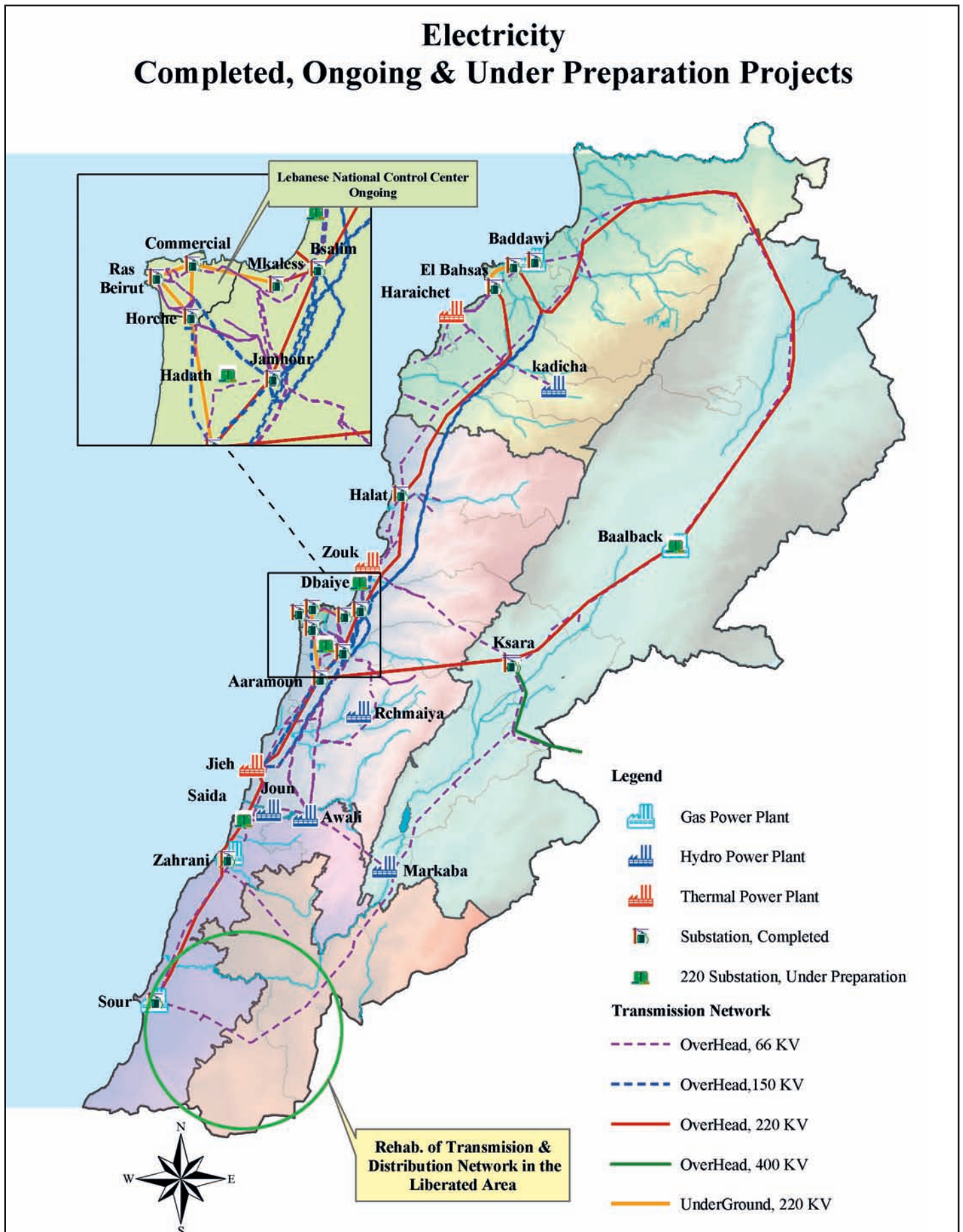
#### **Main achievements during 2007: Institutional Support to the Electricity Sector Reform Plan**

After launching an international invitation to tender, three contracts were awarded to consultants who

## Electricity Sector overview

		Total		completed		in progress		
		*No	Amount	*No	Amount	*No	Amount	prog
<b>Technical assistance</b>		16	21.1	11	10.7	5	10.4	12%
Planning and policy studies								
1001 / 00 Damage assessment: electricity	c	8	1.0	8	1.0			
Institutional development								
1164 / 00 EdL reorganization	c	1	9.2	1	9.2			
1359 / 00 Electricity sector restructuring	c	7	10.9	2	0.6	5	10.4	12%
<b>Capital investment</b>		64	1,399.1	56	1,306.8	8	92.4	56%
General investment								
1433 / 00 Markaba hydro-plant rehabilitation	c	2	0.2	2	0.2			
1433 / 00	w	5	5.5	5	5.5			
Rehabilitation of thermal power generation								
1002 / 00 Zouk power station rehab	w	1	26.5	1	26.5			
1003 / 00 Jieh power station rehab	w		60.7		60.7			
1004 / 00 Hraiche power station rehab	w		10.7		10.7			
Rehabilitation of hydro power generation								
1006 / 00 Rachmaya hydro station rehab	w		2.9		2.9			
1007 / 00 Other hydro rehab - Kadisha	w		3.1		3.1			
1012 / 00 ONL generation rehabilitation	w		4.0		4.0			
Rehabilitation of transmission system								
1009 / 00 Overhead and underground transmission rehabilitation	w	1	20.0	1	20.0			
1010 / 00 Main substations rehabilitation	w	8	80.6	8	80.6			
Rehabilitation of power distribution system								
1011 / 00 Distribution rehabilitation	c	1		1				
1011 / 00	w	10	119.1	10	119.1			
Rehabilitation: engineering & supervision								
1358 / 00 Rehabilitation: Engineering & Supervision	c	2	15.2	2	15.2			
Expansion of electric power generation								
1008 / 00 Zahrani and Beddawi new power plants	c	4	15.6	4	15.6			
1008 / 00	w	2	580.0	2	580.0			
1332 / 00 New gas turbine generation at sour and Baalbeck	w	2	60.9	2	60.9			
Expansion of power transmission network								
1307 / 00 Expansion of power transmission network	c	4	8.7	4	8.7			
1487 / 00 New substations	c	1	0.3	1	0.3			
1487 / 00	w	3	138.6	3	138.6			
1488 / 00 Underground cables	w	4	113.4	4	113.4			
1489 / 00 Overhead lines	c	1	0.4			1	0.4	80%
1489 / 00	w	3	77.6	1	23.4	2	54.2	80%
1490 / 00 Syria Lebanon network interconnection	w	2	12.6	1	5.3	1	7.3	70%
1593 / 00 Rehab of electricity in South	c	1	5.1			1	5.1	22%
National Control Center								
1340 / 00 National Control Center	c	3	1.4	2	0.3	1	1.1	10%
1340 / 00	w	1	21.2			1	21.2	5%
Support facilities								
1013 / 00 EdL support facilities strengthening	c	2	11.5	2	11.5			
1538 / 00 Spare parts for EDL	w	1	3.0			1	3.0	25%
<b>Sector Totals</b>		<b>80</b>	<b>1,420.2</b>	<b>67</b>	<b>1,317.5</b>	<b>13</b>	<b>102.7</b>	<b>52%</b>

## Electricity Completed, Ongoing & Under Preparation Projects



will provide the technical assistance within the framework of the electricity sector reform plan. The technical assistance aims to achieve the following:

**Ministry of Energy and Water:**

To improve the capacities of the Ministry of Energy and Water in order to be able to implement the proposed reforms in the electricity sector policies. Therefore, the main function assigned to the consultant will be to support the ministry in the preparation of a national electricity policy and fuel oil strategy, reviewing proposals related to supply of liquefied natural gas (LNG) to the Zahrani plant, evaluating proposals aiming to attract private investments and reviewing previous studies concerning establishment of the Electricity Sector Regulation Authority.

**EDL:**

To improve the operational and financial performance of EDL. Therefore, the main function of the consultant will be: the preparation of a plan for improving efficiency of power generation plants and supporting implementation procedures; reorganizing the supply function of EDL; establishing priorities for reducing technical and non-technical waste; providing assistance to complete current projects; organizing an inventory of assets and survey of audited financial reports and preparing the tender documents for the financial audit contract covering 2005 and 2006.

**Higher Privatization Council:**

To provide the necessary support

for incorporating EDL, in conformity with the Electricity Sector Regulation Law, and the Ministry's plan for re-structuring EDL; to propose the organizational structures for companies that will emanate from EDL, together with the detailed description of proposed jobs and procedures to be followed; to prepare the preliminary work plans for these companies; to organize the inventories and determine the capitalization levels and share structure of these companies.

It should be noted that the estimated total cost of the technical assistance contracts is about US \$ 6.5 million financed as follows: A grant of US \$ 5 million from the World Bank; a grant of about US \$ 1 million from the French Development Agency; and US \$ 500,000 financed locally to cover local taxes.

The consultants commissioned with above tasks shall submit their reports regularly to the concerned institutions for reviewal in compliance with the Terms of Reference. This constitutes an opportunity for close coordination between them, which will make it easier later to take the proper decisions for reforming the electricity sector.

**Comprehensive Master Plan for Power Generation and Transmission**

Upon the request of EDL (Electricity of Lebanon), CDR commissioned EDF (Electricity of France) to prepare the power generation and transmission

master plan, financed by the French government. EDF started its work in September 2007 and it is expected to deliver the power generation report in February 2008, and the transmission report in July 2008. The consultant recommendations will help in taking the proper decisions regarding the construction of new production plants to cover power requirements up to 2022.

**Rehabilitation and expansion of the transmission and distribution network in liberated regions**

Work is proceeding at present to award the rehabilitation and expansion works of the 66 kV High Voltage transmission network and 20 / 15 kV Medium Voltage distribution network in the liberated regions in South Lebanon. This project is estimated to cost about US \$ 30 million which will be funded by the Iranian protocol.

**Rehabilitation and expansion of al- Ayoun and Fneidek transmission and distribution network - Akkar**

A contract was awarded to an international consultant (EDF) to prepare the detailed study related to the rehabilitation and expansion of al- Ayoun and Fneidek transmission and distribution network. The total estimated cost of these works is about US \$ 6 million. The project aims to raise the transmitted and distributed power capacity in this region from 10 to 40 MW. The consultant is expected to finish the studies and

tender documents during the third quarter of 2008. Works are expected to start at the beginning of 2009.

### Projects in Progress

*Expansion of the transmission network:* Installation of the remaining coastal connection between Halat and Bsalim will be completed during 2008, after resolving the land expropriations problems.

*Seven-country interconnection (EIJLSTL):* Works on the interconnection lines are complete. Installation of the substation is expected to finish during the third quarter of 2008.

*National control and dispatching center:* This internationally launched project was awarded to the successful bidder and the relevant works commenced in May 2006. The project is estimated to

cost about US\$ 25 million, financed by the Arab Fund for Economic and Social Development (AFESD). All works are expected to be complete in 2009.

### Projects under Preparation

CDR, in coordination with EDL, is preparing several major projects. However their implementation depends on the availability of necessary funding. The most important projects are:

#### a- Generation sector:

Rehabilitation of Zouk Power Plant, Units 3 & 4.

Rehabilitation of Al-Jieh Plant, Units 1 & 2.

Repairing new damages in Zouk Power Plant.

Installation of a new power plant in Deir Ammar - Bedawi

It should be noted that CDR is assisting the Higher Council for

privatization, commissioned with the preparation of Deir Ammar-Beddawi project study, which will be launched as soon as its funding method is determined, i.e either by the private sector (IPP or BOT) or through loans provided by Arab or international funding agencies.

#### b- Transmission sector

- Installation of two main 220 kV High Voltage substations in Baalbek and Saida. These works are estimated to cost about US \$ 23 million

- Installation of one main 220 kV High Voltage substation in Tripoli (Bahsas). These works are estimated to cost about US \$ 15 million

- Installation of one main 220 kV High Voltage substation in Marina- Dbayeh. These works are estimated to cost about US \$ 33 million

## Electricity contracts awarded in 2007

			Contract amount (in USD)	External funding	Start Date
<b>Technical assistance</b>			<b>9,152,470.9</b>		
<b>Institutional development</b>					
1359 / 00	Sector restructuring study				
9246 / 00	Consultancy services to the MOEW for the elec sector reform program + Add	c	30,000		Mar/2007
9267 / 00	Advisory support to HCP to Restructure EDL	c	2,336,874	IDA	Sep/2007
9268 / 00	Strengthening the capacity of the MOEW to implement power sec policy ref	c	1,398,267	IDA	Sep/2007
9269 / 00	Financial and Engineering Support Services to EDL	c	2,693,665	FRANCE-AFD IDA	Oct/2007
<b>Capital investment</b>			<b>3,287,354.8</b>		
<b>Expansion of power transmission network</b>					
1487 / 00	New substations				
9174 / 00	Prep of exprop files&bids eval for the reh of the power facilities in Akkar	c	308,115		Jan/2007
<b>Support facilities</b>					
1538 / 00	Spare parts for EDL				
4824 / 00	Supply of high voltage (66 KV) XLPE Cable	w	2,979,240	KFAED	Sep/2007
<b>Sector Totals</b>			<b>12,439,826</b>		

## Electricity Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>						
<b>472</b>	Rehab. of electricity sector in the liberated regions	Project identification	w	20,000,000	Iranian-Prot	Oct/2007
<b>1079</b>	Rehab. of transmission and distribution network in al-Oyoun and Fneidek region (Akkar)	Project identification	w	5,250,000	KFAED	Oct/2007
<b>1476</b>	Rehabilitation of Units 3-4 and generators 1-2-3 of Zak power plant	Tendering Phase	w	50,000,000	AFESD	Nov/2008
<b>1477</b>	Construction of two High Voltage substations 220 kv in Saida and Baalbeck	Tendering Phase	w	15,000,000	AFESD	Nov/2008
<b>1478</b>	Reinforcement of 66 kv OH and Deir Nbouh- Marjaouun	Tendering Phase	w	25,000,000	AFESD	Nov/2008
<b>1479</b>	Rehabilitation of distribution networks in the country	Tendering Phase	w	30,000,000	AFESD	Dec/2008
<b>1480</b>	Rehabilitation of the power plant in Jieh	Tendering Phase	w	25,000,000	AFESD	Dec/2008
<b>1481</b>	Installation of under ground 220kv cable between Aramoun and Pin	Tendering Phase	w	25,000,000	AFESD	Jun/2008
<b>Sector Totals</b>				<b>195,250,000</b>		

- Installation of one main 220 kV High Voltage substation in the southern suburb of Beirut with the extension of High Voltage cables connecting the substation with the existing network. These works are estimated to cost about US \$ 35 million.

- Reinforcement of the 220 kV cable between Aramoun and Horsh Beirut. These works are estimated to cost about US \$ 25 million

- Reinforcement of the internal network for 66 kV High Voltage power transmission between Deir Nbouh and Marjeyoon. The project is estimated to cost about US \$ 23 million.

- Execution of the second phase of

the 400 kV EIJLSTL interconnection line between Ksara and Syria. The project is estimated to cost about US \$ 12 million.

### C- Distribution sector

This includes supplying EDL with cables, transformers, circuit breakers, posts and accessories; and supplying cranes and vehicles for testing damaged underground cables.

It should be mentioned that CDR signed a loan agreement with AFESD amounting to US \$ 150 million for implementing the most urgent electricity projects. CDR, in collaboration with EDL, will determine the priorities for implementing the related projects.

### Power Distribution Master Plan for Greater Beirut area

The CDR was requested by EDL to secure funding for the Power Distribution Master Plan related to Greater Beirut area, including updating the master plan prepared in 1998 for Beirut city and for Mkallis – Aramoun area, in addition to the master plan related to the Northern and Southern suburbs. The Council is currently seeking to secure funds from the grant donated by the French Development Agency. It is expected that EDF, which prepared the master plan in 1998, will be commissioned with this task and that the study will be awarded in 2008.

# Post and Telecommunications



A group of contracts was awarded to foreign and local firms for the rehabilitation of the Public Switched Telephone Network (PSTN) to increase its capacity to 1,730,000 lines, i.e. the equivalent of one line for every three persons. The total cost of these contracts, which were completed at the end of 2002, amounted to about US\$ 775 million.

At the same time, a mobile telephone system (GSM) was introduced through concessions awarded to two competing operators. The two networks now have at least 900,000 subscribers. The two operators undertook the necessary investments and the government collects now revenue from this operation.

Following repossession of the two mobile telephone systems, the government now intends to re-privatize the complete sector, i.e. both the PSTN and the GSM systems. However, several projects relating to the development of this sector are still required to render it competitive and capable of handling modern technologies, particularly in the fields of information exchange, state of the art networks and the internet. However, implementation of these projects needs more clarification of the role that both the government and the firms will play in this sector.

## Achievements to Date

Installation of telephone exchanges (switching contracts): The related contracts and contract amendments (about US\$ 145 million) provide for the installation of 313 telephone exchanges with a total capacity of 1,142,000 lines in all regions of Lebanon. These were completed at the end of 2001. Three telephone exchanges for international calls and eight telephone exchanges for national calls have also been installed. The exchanges provide Caller Identification Presentation (CLIP), voice messaging services and 13376 Integrated Line Services Digital Network (ISDN) lines.

Three contract amendments were signed to increase the total capacity of the exchanges by 48,000 additional lines (US\$ 8.8 million) and to provide 17,100 additional ISDN lines and four new exchanges, which were installed at the end of 2002. Thus, the total number of telephone lines reached 1,190,000 and the total number of digital (ISDN) lines amounted to 30,476.

*Modernization of telephone exchange programs and equipment:* The telephone exchange programs and equipment have been recently updated to comply with technical

developments in the telecommunications sector and to add many new services for subscribers and exchanges. The cost of these works amounted to about US \$ 25 million. The project covered all main and branch exchanges, including those designated for international telecommunications.

*Rehabilitation and extension of the Public Switched Telephone Network (PSTN):* This project covered the rehabilitation and extension of the Public Switched Telephone Network (PSTN), at a total cost of US\$ 550 million, for improving communications

among all regions of Lebanon. It included the preparation of the studies for plans and installation of the local telephone network. The first lot of PSTN contracts covered the following components:

Installation of 971,600 primary pairs (connection from exchanges to local distributors);

Rehabilitation of 123 telephone exchange buildings and construction of 185 new buildings in all Lebanese regions;

Installation of the Wireless Local Loop system. This system is

suitable for rural areas where the cost of telephone line installation is high;

Installation of advanced digital transmission systems to interconnect all Lebanese regions.

The second set of contracts was implemented in two phases by the Ministry of Telecommunications. The first phase, known as OSP-1 (Outside Plant-1) covered the installation of 200,000 lines, while the second phase, known as OSP-2 (Outside Plant-2), covered the installation of 600,000 lines in rural areas.

The first group of PSTN contracts

## Telecommunications Sector overview

		Total		completed		in progress	
		*No	Amount	*No	Amount	*No	Amount prog
<b>Technical assistance</b>		<b>15</b>	<b>21.1</b>	<b>15</b>	<b>21.1</b>		
<b>Planning and policy studies</b>							
1050 / 00	Damage assessment: telecoms	c	12	0.9	12	0.9	
1060 / 00	Restructuring	c	1	7.0	1	7.0	
	Institutional development						
1059 / 00	Management contract	c	2	13.1	2	13.1	
<b>Capital investment</b>		<b>70</b>	<b>776.2</b>	<b>70</b>	<b>776.2</b>		
<b>General investment</b>							
1051 / 00	Rehab exchange buildings: 1993 urgent programme	c	7	0.1	7	0.1	
1051 / 00		w	18	2.5	18	2.5	
1056 / 00	Misc telecoms equipment: 1993 urgent programme	w	6	0.6	6	0.6	
1350 / 00	Rehab exchange buildings: 1995 programme	c	4	0.4	4	0.4	
1350 / 00		w	12	5.4	12	5.4	
	Public Switched Telephone Network						
1052 / 00	Rehab and extend international connections	w	2	6.6	2	6.6	
1053 / 00	Rehab and extend exchange equipment	c	6	53.1	6	53.1	
1053 / 00		w		0.7		0.7	
1053 / 01	Rehab and extend Telephone	c		0.5		0.5	
1053 / 01		w	8	183.0	8	183.0	
1053 / 02	Network rehab and extension, main & local	c		0.3		0.3	
1053 / 02		w	6	522.4	6	522.4	
	Public Mobile Phone						
1054 / 00	GSM cellular	c	1	0.6	1	0.6	
	<b>Sector Totals</b>		<b>85</b>	<b>797.3</b>	<b>85</b>	<b>797.3</b>	

was completed at the end of 2002, while the works of the second phase were completed at the end of 2003.

The leased lines project was also completed at the end of 2002 by the Ministry of Telecommunications at a cost of US\$ 10 million. The project aimed to provide leased telephone lines to corporate clients.

*Installation of public telephone booths:* The CDR supervised the installation of 4000 public telephone booths distributed in all Lebanese regions. These works were completed by the end of 2005.

*International telecommunications:* Several projects for improving international telecommunications have been completed. The most important of these include:

Installation of two submarine fiber optic cables: The first connects Tartous (Syria) with Tripoli, Beirut, Saida (Lebanon) and Alexandria (Egypt) with a capacity to handle 9,000 simultaneous calls; while the second connects Lebanon, Cyprus, Crete and France and can handle 7,560 simultaneous calls. The total cost of the project was

about US\$ 12 million;

Installation of a fiber optic and wireless connection between Beirut and Damascus with a capacity of 189 simultaneous telephone calls at a cost of about US\$ 1.34 million;

Installation of ground earth satellite stations in Arbanieh and Jouret el Ballout at a cost of about US\$ 4 million and US\$ 5 million, respectively.

*Other projects:* At the institutional level, a study for re-organization of the Ministry of Telecommunications (MOT) was carried out to separate its operational and maintenance functions from its monitoring and control functions.

Several other contracts have also been completed:

Installation of a control and management system for transmission and switching equipment (US\$ 577,000);

Restructuring of the telecommunications sector, re-organization of the administration and preparation of studies for creating marketing services and

commercial agencies (US\$ 7 million).

*Other projects:* Simultaneously with the PSTN, GSM and telephone exchange contracts, another contract was awarded for the preparation of studies covering the PSTN and the GSM systems, including supervision, implementation and coordination among contractors. The value of the contract amounted to US\$ 47 million.

### Projects in Preparation

CDR is preparing at present, in cooperation with the Ministry of Telecommunications, several development projects in this sector, the most important of which are:

Installation of a high capacity data network among Lebanese cities (estimated at US\$ 13 million). Tender documents are under preparation and will be released soon;

Installation of a new high performance local data transmission network for Beirut, independent of the existing telephone network, and intended for corporate clients (city network) (estimated at US\$ 7.5 million).

## Posts Sector overview

	Total		completed		in progress		
	*No	Amount	*No	Amount	*No	Amount	prog
<b>Capital investment</b>	4	1.3	4	1.3			
Postal Services							
1062 / 00 Postal service rehab	c	2	2				
1062 / 00	w	2	2	1.3			
<b>Sector Totals</b>	<b>4</b>	<b>1.3</b>	<b>4</b>	<b>1.3</b>			

## Posts Projects in Progress

*Postal services:* A contract was signed in mid 1998 with a Canadian consortium for the operation of the postal services

(mail distribution, counter services, express mail, philatelic services, etc.) in all regions of Lebanon. The consortium was responsible for rehabilitating and equipping all post office buildings, street and property

numbering and mail box installation. The cost of this project was approximately US\$ 50 million. Since the contract is in the form of a concession (BOT) no cost was borne by the Lebanese Government.



*Construction & installation of  
international telephone network*

# Roads, Highways and Public Transport



The total value of works implemented in the roads and highways sector, including the capital, suburbs and all other Lebanese regions, amounted to about US \$ 1,663.2 million. Out of this amount, US \$ 1,102.6 million covered projects completed up to the end of 2007, while US \$ 560.6 million are earmarked for projects that are still under execution.

## Achievements to date

*Penetrator roads - Beirut ring road:* The Beirut ring road and associated penetrator roads will reduce traffic congestion at access points leading to the capital and streamline traffic flow between North and South Lebanon. The

detailed designs of the penetrator road network were divided into three sections:

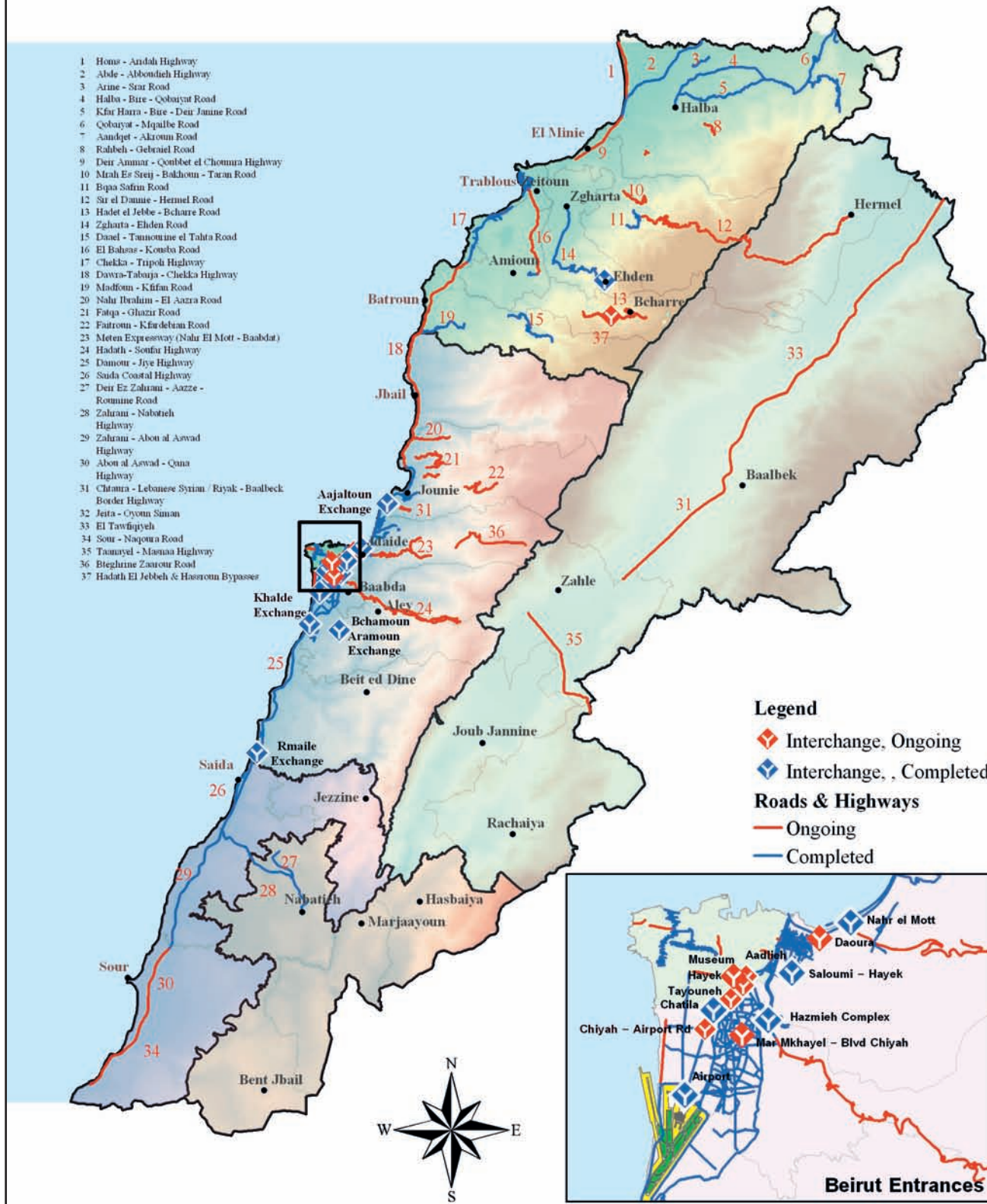
- Coastal expressway in Nahr el Kalb area and the northern access roads, comprising Sin el Fil, Naba'a, Bourj Hammoud and Baochrieh (PN1 & PN2) penetrator roads; and the roads parallel to Nahr Beirut, i.e. Dbayeh-Antelias-Nahr Beirut roads (PN3);
- Central section, i.e. Adlieh-Damascus road (A1), Hazmieh complex and Hazmieh-Airport road (B);
- Southern penetrator roads leading to Beirut, i.e. Khalde-Cocody-Sports City-Cola road;



*Adlieh Connection*

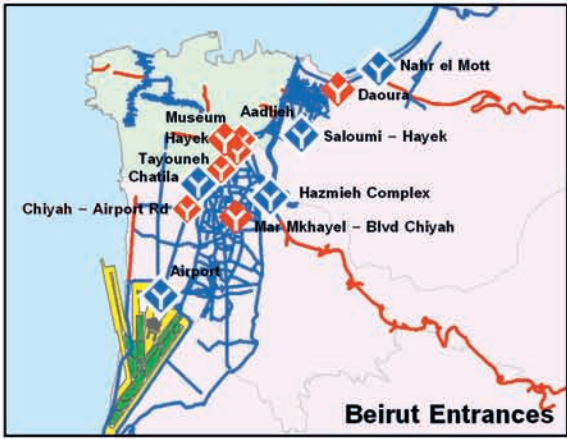
# Roads & Highways Completed & Ongoing Projects

- 1 Homs - Andali Highway
- 2 Abde - Abboudieh Highway
- 3 Arine - Star Road
- 4 Halba - Bire - Qobayyat Road
- 5 Kfar Hama - Bire - Deir Jannine Road
- 6 Qobayyat - Mqalbe Road
- 7 Aandjet - Akroun Road
- 8 Raibeh - Gebzeil Road
- 9 Deir Ammar - Qonbbet el Chomra Highway
- 10 Mrah Es Steij - Balkhoun - Taran Road
- 11 Bqqa Safran Road
- 12 Sir el Dannie - Hermel Road
- 13 Hadet el Jebbe - Bcharre Road
- 14 Zgharta - Ehdn Road
- 15 Dael - Taunoutine el Talha Road
- 16 El Bahsas - Kombo Road
- 17 Chekka - Tripoli Highway
- 18 Dawra-Tabarja - Chekka Highway
- 19 Madfou - Kifan Road
- 20 Nahu Ibrahim - El Azra Road
- 21 Fatqa - Ghazir Road
- 22 Fatroun - K'Erdeban Road
- 23 Meten Expressway (Nahr El Mott - Baalbat)
- 24 Hadath - Soufry Highway
- 25 Damour - Jyze Highway
- 26 Saida Coastal Highway
- 27 Deir Ez Zahrani - Ajzre - Romme Road
- 28 Zahran - Nabotieh Highway
- 29 Zahran - Abou al Aswad Highway
- 30 Abou al Aswad - Qana Highway
- 31 Chirra - Lebanese Syrian / Riyak - Baalbeck Border Highway
- 32 Jaita - Ouyou Saman
- 33 El Tawfiqiyeh
- 34 Sour - Najoura Road
- 35 Taamayel - Masnaa Highway
- 36 Beqlhine Zaourou Road
- 37 Hadath El Jebbeh & Hasroun Bypasses



**Legend**

- ◆ Interchange, Ongoing
- ◆ Interchange, Completed
- Roads & Highways**
- Ongoing
- Completed



Costa Brava-Ouzai road; Choueifat-Kafa'at road; Chatila roundabout-Cocody interchange; Tiro road, and the Kafa'at-Lebanese University campus road were completed at the end of 2003.

- The works are complete on the following roads and projects: Tiro road, Adlieh connection, Hazmieh-Airport road (Camille Chamoun boulevard intersection-Haret Hreik), Cocody-Cola road 1 and 2, together with the Cocody interchange; Khaldeh-Cocody road, Chatila roundabout, Chatila-Kafa'at road parallel to Nahr Beirut (PN3), Adlieh-Damascus road (A1) up to as-Sayyad roundabout, in addition to upgrading works of Nahr el- Kalb coastal expressway; the section linking Cocody- Khaldeh interchange, the operation and maintenance project for the electro-mechanical equipment of the Khaldeh-Cocody 2- way road within the boundaries of Rafic Hariri International Airport; treatment of the expansion joints of President Elias Hrawi bridge; the treatment of expansion joints and waterproofing works of Selim

Salam- Cola bridge; Old Saida road diversion at Bshamoun – Aramoun intersection; Hayek bridge; rehabilitation of Chekka Tunnel; and demolishing of the Directorate General of Internal Security Forces in Achrafieh, implemented within the framework of the urban planning project covering Beni Assaf St – Adeeb Ishac St.

#### *Rehabilitation of roads in Beirut suburbs:*

*Northern suburbs:* The works are complete on the following roads; Bourj Hammoud, Jdeideh and Zalka road sections and the roads parallel to Nahr el Maout and Nahr Antelias; roads in Dbayeh section; Nahr Beirut-Dora road; the road replacing the railway track in Bourj Hammoud; Bikfaya road; Rehabilitation works of Sin el Fil road and Saloumi- Naba'a-Nahr el Maout road.

*Southern suburbs:* The works completed until now include: road networks at Chiyah Boulevard/adjacent streets axis; Choueifat-Khaldeh road; Haret Hreik storm water drainage

tunnel; Mreijeh, Kassis, Ghobeyri, Haret Hreik, Bourj el Barajneh, Furn el Chebak and Ain el Roumaneh sections; the rehabilitation works of Jamous road and associated services. The total cost of these works was about US\$ 130 million.

#### *Rehabilitation of primary and secondary roads network:*

The works completed until now include: Upgrading and expansion works of Abdeh-Homs intersection- Aboudieh road; Halba-Bireh- Kobayat road, including two bridges in Kobayat; road connections in Becharre; upgrading and expansion works of al-Madfoun-Kfifan, Zgharta Ras Kifa and Ayto- Ehden roads, which were completed during the second half of 1999; rehabilitation of Ardat-Majdalya road; construction works of Dael-Basatin al Assi - Beit Shlalah-Lower Tannourine road; complementary works of Ehden diversion, which were completed at the end of 2003; Ras Kifa-Ayto, Kfar Herra – Al Biret, Shadra – Mqabile, Andquit – Kounieh, Akroum – Kfartoun,



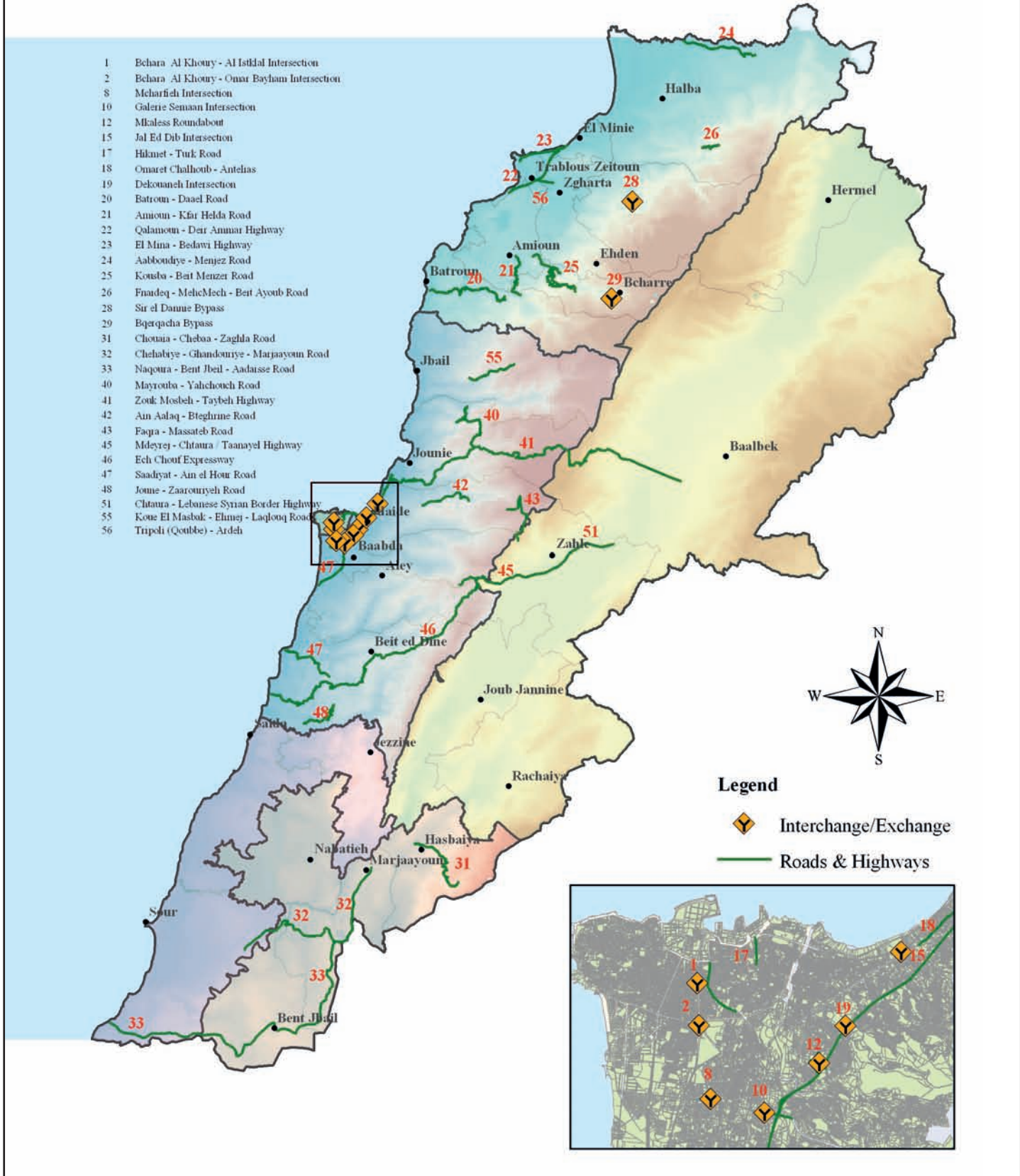
Dora Bridge





Antelias Bridge

# Roads & Highways Under Preparation Projects

- 1 Echara - Al Khoury - Al Istidal Intersection
- 2 Echara - Al Khoury - Omar Bayham Intersection
- 8 Mcharfiyh Intersection
- 10 Galerie Semaan Intersection
- 12 Mkalss Roundabout
- 15 Jal Ed Dib Intersection
- 17 Hikmet - Turk Road
- 18 Omaret Chalhoub - Antelias
- 19 Dekouaneh Intersection
- 20 Batroun - Daael Road
- 21 Amioun - Kfar Helda Road
- 22 Qalamoun - Deir Anmar Highway
- 23 El Mina - Bedawi Highway
- 24 Aabboudiye - Menjez Road
- 25 Kousta - Beit Menzer Road
- 26 Fnaadeq - MelicMech - Beit Ayoub Road
- 28 Sir el Danne Bypass
- 29 Bqerqacha Bypass
- 31 Chouaia - Cheboa - Zaghlal Road
- 32 Chelabiyeh - Ghandouriyeh - Marjaayoun Road
- 33 Naqoura - Bent Jbeil - Aadausse Road
- 40 Mayrouba - Yahchouch Road
- 41 Zouk Mosbeh - Taybeh Highway
- 42 Ain Aalaq - Bteghrime Road
- 43 Faqra - Massateb Road
- 45 Mdeyrej - Chitaura - Taanayel Highway
- 46 Ech Chouf Expressway
- 47 Saadiyat - Ain el Hour Road
- 48 Joune - Zaarouriyeh Road
- 51 Chitaura - Lebanese Syrian Border Highway
- 55 Kone El Mastok - Elmej - Laqlouq Road
- 56 Tripoli (Qoubbe) - Ardeh



**Legend**

-  Interchange/Exchange
-  Roads & Highways





*Jadra Bridge.*

Ardat – Mejdlaya roads, including asphaltting of Beit Mery road; the new road between Jounieh, Bkerke and Harissa; Ghazir –Kfour-Fatqa section; Jeita roundabout –Aintoura section and Ajaltoun interchange; rehabilitation of Dbayeh- Antelias road with Rabieh- Nakkash section; and Deek al Mahdi-Naccache - Rabieh intersection.

In south Lebanon, the roads completed include Deir Zahrani-Nabatieh and Ezza-Roumine roads, as well as Saida seafront cornice, which forms part of the southern expressway (phase 4), and the rehabilitation and asphaltting works of Mdeirej-Masna'a road.

*Upgrading public services in Beirut and its suburbs  
Infrastructures in Beirut:*

Within the framework of this project, CDR executed the second lot covering: Pierre Gemeyel Boulevard; Abdul Wahab Inglisi, Independence and Mono streets; section of Clemenceau and Spears streets; the northern section of

Mar Elias and Sadat streets, etc; maintenance and irrigation works of Paris Boulevard middle section, which extends from the Military Beach to Ain Mreiseh.

**Projects in progress**

*Penetrator roads of Beirut ring road:* The work is in progress on most other sections of Beirut penetrator roads. Their current status is as follows:

The projects of the northern penetrator roads were divided into two sections, financed by KFAED. The contract for the first section, extending from Dbayeh to Antelias, including Naccache – Rabieh section, was awarded in 2000. The estimated cost of the project is about US \$ 11.7 million.

*Within the Beirut ring road/northern entrance,* the work is in progress on Zalka – Bouchrieh – Nahr el Maot interchange; work has started on the Nahr al Maot interchange and the Haret Hreik– Airport road section; and rehabilitation works have also started on Daora-

Tabarja coastal road.

*Within the Beirut ring road/central section,* the Council has awarded the reconstruction works relevant to the damaged sections of Hazmieh-Beirut airport road.

***Development of Urban Transport in Greater Beirut:***

The work continues on the implementation of Daora project, in addition to the installation of traffic lights and traffic monitoring cameras, within the framework of the Urban Transport project.

The CDR also awarded the works relevant to Tayounni roundabout underpass and Mar Mkhaiel intersection underpass.

***Rehabilitation and upgrading of Beirut road network:***

The contract for rehabilitation of Salim Salam Tunnel (electromechanical systems) (US \$ 1.8 million), funded by Saudi Arabia, was awarded in April 2003. In addition, a contract of US 1.1 million was awarded for the maintenance of Beirut roads and pavements



*El Hayek interchange.*

(Msaitbeh and Zkak Liblat).

The CDR also awarded the contracts for preparing the studies and tender documents of Phase III infrastructure rehabilitation project, in addition to the studies and supervision of works related to the two pedestrian overpasses in Bir Hassan.

*Upgrading public service in Beirut and suburbs  
Beirut infrastructure*

The studies and supervision tasks related to certain road projections in Beirut, the study related to the improvement of traffic flow at Fouad Chehab- George Haddad street intersection and the study related to Abdul Baset al-Onsi and the Municipal Stadium street projections are still under preparation. The tender documents for upgrading infrastructure services in Beirut suburbs have been updated. Work has started on the necessary and urgent maintenance of the

wastewater pumping station installed by Solidere in Beirut Central District (BCD). A contract has been awarded to implement three projections in Beirut (Sodeco, Independence Street and Tamliss), but works the project was put on hold due to expropriation problems.

Works have started on Phase II, Lot I of Beirut infrastructure rehabilitation project, covering the Saint George Hotel- Summerland Hotel Seafront Cornish, including al Akhtal al Saghir street, Rafic Hariri boulevard, Charles de Gaulle boulevard, Paris boulevard and Minat al- Hosn road.

The contract related to Phase III, Lot I-2 of Beirut infrastructure rehabilitation project have been awarded, and the works of phase II, Lot II of this project have started.

*Northern suburb:*

Two contracts have been awarded, one related to the ongoing

complementary works in Bourj Hammoud area (about US\$ 6.23 million) and the other is for the supervision of these works (US \$ 250,000).

*Southern suburb:*

- Lot VIII: Rehabilitation Works of Doha-Aramoun road network and associated infrastructure were completed at the end of 2002 (wastewater, stormwater drainage, potable water, electricity, telephone, three water reservoirs, artesian wells to supply water to Meshref area and Doha-Aramoun main feeder line). Various pavement works in some streets are also complete.

- Lot IV-3 Hay es Sullom: A contract was awarded for the rehabilitation of Hay es-Sullom road network and associated infrastructure (wastewater, stormwater drainage, potable water, electricity, telephone, street lighting and other works).



*Maten Highway*

- A contract was awarded in 2002 for the construction of Ouzai bridge, but field obstacles have delayed implementation.

- A contract was awarded for the rehabilitation of Damascus road-Furn al-Chebbak section, as well as Camille Chamoun boulevard, between Chevrolet Gallery Sema'an intersections.

*Tripoli-Syrian border connection in the north:* This project aims to improve the roads connecting North Lebanon with Syria. It covers the construction of the Eastern ring road extending from Tripoli toward al Abdeh (20 kms to the north), and the expansion and rehabilitation of Arida (along the coastline) and Al Aboudieh-Syrian border roads. This project is financed by the Islamic Development Bank and OPEC Fund for Development. The rehabilitation works of Deir Ammar- Abdeh section are underway. Works have started on Al Abdeh section – Quobbat Shamra road and Homs – al Arida intersection.

*Sir ed Dannieh-Jbab el Homr-Hermel:* Work is still progressing

on this project, which is funded by AFESD.

The rehabilitation and development works of Tabarja-Chekka highway, funded by the European Investment Bank, were completed in the summer of 2004. To complete the northern coastal expressway, a contract was awarded for the preparation of a geotechnical survey concerning the coastal section extending between Antelias and Charles Helou station. Works are progressing on upgrading of Nahr el Kalb coastal road.

The rehabilitation and development works continue on the following international and main roads: Existing Damascus road, Aley – Sofar section; Riyak-Baalbeck section of the international highway; Ta'anaiel-Masna'a section of the Arab highway. CDR also awarded the contract related to the reconstruction of Qlaia'at Bridge, Homs-Arida intersection. Works continue on the construction of Mrah al-Saraj – Bakhoun – Taran – Hazmieh bridge road and the contract related to the remaining works have been awarded. Works

have commenced on some sections of Bahsas- Kosba- Cedars road and Shnani'r- Dlebta road and the remaining works have been awarded. The Council also awarded the contract for the rehabilitation of Jeita-Aioun Siman road.

Works are still in progress on Phase III of the South Highway, Zahrani-Sour section (Qana intersection), and Rmaileh access/exit. Works have started on the lighting system of Rmaileh interchange, which is implemented within the framework of the South Highway-Rmaileh interchange section-Sainiq connection. Works related to the following bridges have been awarded: Adoussieh, Sarafand, Saksakieh, Blieh, Ansarieh, Ansarieh-Mar Takla, Khaizaran, Abou Al Aswad, Damour, Al Kadim, Wadi Al Zina (Jadra) on the Southern coastal highway.

Work has also started on the Sour-Nakoura road.

Rehabilitation and upgrading works are progressing on the following new secondary roads: Nahr Ibrahim- Azra road and asphaltting of Bab al-Tabbaneh roads in Tripoli.

Construction works of the following new secondary roads are also in progress: Menjez-Chadra, Halba- Baynou – Kobayat.

Work has started on Hadath al Jibbeh/Hasroun diversions and Diman road, which form part of the Kadisha ring road project, as well as on Dawalib Ehdén-Mar Sarkis spring section, which forms



*El Fidar Bridge*

part of Tripoli- Zgharta- Ehden Bcharre road. Works continue on the rehabilitation of Bhamdoun road and the construction of Ehden diversion – Phase II.

The CDR is working on the following studies: Jounieh-Bkerke-Harissa road; updating Batroun-Dael road study; updating Mar Cha'aya – Atchana road study; traffic control and related economic comparative study; a master plan for main road axes in Kesrwan caza (the study related to the northern exit between Dbayeh and Tabarja); preparation of expropriation documents for rehabilitation of the existing highway parallel to Jounieh and streamlining its entrances/exits. The CDR has also awarded a feasibility study for interconnecting Tyre caza with the Masnaa border point; a study for streamlining traffic across Kesrwan-Ftough coastal area; and a study for the construction of a road which connects Rabieh-Nacaache section to Bikfaya road. Within the Metn expressway project, CDR

prepared the tender documents related to the rehabilitation of Hbous-Bikfaya road and amended the study related to another section of this expressway.

Within the framework of rehabilitating and upgrading Tripoli road network, CDR is preparing a study for developing Tripoli infrastructure. Contracts have also been awarded for the pavement works in Bab el Tabbahneh and the preparation of tender documents related to Tripoli infrastructure project-Phase I.

Within the framework of the road lighting program, CDR awarded the works necessary for lighting Remaileh interchange.

#### **Projects under preparation**

*Project for upgrading public services in Beirut and its suburbs Beirut infrastructure*

Within the framework of the *Project for upgrading public*

*services in Beirut*, CDR expects to award soon the following contracts: Lot I-1 of Phase III, Lot II-2 and Lot III; street lighting and rehabilitation of public parks in Beirut; Abdul Baset al Onsi street project, which is expected to start once funding from Beirut municipality becomes available and land expropriation problems are resolved; Old Saida – Choeifat road, including the upgrading of infrastructure services.

#### *Infrastructure in various regions:*

The CDR expects to award soon the works of upgrading Tripoli infrastructure (Phase I, Lots A and B) and the study related to Saida infrastructure.

**Urban Transport Development Project (UTDP):** This project aims to improve traffic flow in Greater Beirut area. It is comprised of three components:

Improvement of main traffic axes, including the construction of bridges/tunnels for 19 intersections



*Riyak - Baalbeck International Road*



*Ras Kifa - Aito Road*

and implementing related works along main roads.

Installation of 220 traffic lights, 30 traffic-monitoring cameras, traffic signs, road markings, construction of a traffic monitoring and management center and upgrading of pedestrian walkways.

Parking management program for 5,000 cars using parking meters. Within the framework of the traffic lights project and traffic administration center, a contract will be awarded soon for the procurement of equipment needed for this center (including training of traffic police), and subsequently the procurement of vehicles and office supplies, which will be financed by the World Bank.

Within the project of organizing parking along roadsides in Greater Beirut area, CDR expects to award one contract for the procurement of supplies needed by the traffic police to organize parking, and another contract for the

procurement of computers, software and office supplies for the traffic management center responsible for organizing parking along roadsides.

Within the framework of the project for constructing bridges and tunnels at main intersections, the Council expects to award the following projects: Expansion of Old Tripoli road from Amarit Chalhoub up to Antelias; Mkallis roundabout; Jal el-Dib intersection; Msharafyeh intersection (Chiyah boulevard-Kafaat) and Antelias intersection, financed by the World Bank; Sami Solh-Damascus road intersection, financed by AFESD; Bishara Khoury-Omar Beyhum intersection and Bechara Khoury-Independence intersection, financed by ADFD; Gallery Samaan intersection, financed locally; and also organizing an awareness campaign, within the framework of the project for organizing parking along roadsides in Greater Beirut area.

***Greater Beirut penetrator roads***

***and rehabilitation of suburb roads Northern entrance***

The CDR expects to award soon the Seafront Boulevard project, Antelias - Nahr Beirut section, including al Mawared tunnel and the Port road. This contract will be financed locally.

***Eastern entrance***

The CDR expects to award soon the works of Hazmieh- Charles Malek road, Hikmeh-al Turk section. This contract will be financed by AFESD.

***Rehabilitation of primary and secondary roads:*** The detailed designs for rehabilitation of the following highway sections are complete:

**The Arab Highway**

The Council is endeavoring to secure financing for the remaining sections of this project. It expects to award soon the expansion and rehabilitation works of the existing Damascus road, Hazmieh- Jamhour section, financed by KFAED; part II of

Jamhour – Baalchmay section, when funds become available; and Namlieh bridge - Chtoura-Ta'anael section, financed by the Saudi Fund and OPEC fund.

#### ***The northern coastal highway***

The CDR is planning to award soon the eastern and western ring roads in Tripoli, which will be financed by IDB and EIB.

#### ***Various roads in the North***

The CDR is planning to award soon the contracts related to the following roads: Beit Ayoub-Fneidek, Aboudiyeh – Manjaz and Batroun – Dael roads; rehabilitation and expansion of Deir Bella - Kfar Helda/Bsatin-O'si-Bziza-Deir Bela-Kfar Helda intersection – Beshtodar- Owra road, including intersections; Kousba road–Tourza intersection; Hasroun-Berkasha interchanges; the Cedars road; Beit Munzir road; Chekka-Amyoun - Kousba road; expansion and rehabilitation of Quobbi – Airounieh- Fawar – Alma – Beit Awkar- Tirbil- Bousit – Ardi roads.

#### ***Various roads in Mount Lebanon***

The CDR is planning to award soon the contracts related to the following roads: Sa'adiyat–Ain al Hour and Joune-Za'arouriyah road; Baklie- Za'rour – Sannine road; Sannine–Zahle/Mrouj intersection; Fakra-Sannine -al Masateb road; Ain Alaq – Bteghrine road; Jounieh – Bkerke-Harissa road; Ghazir – Jdeidet Ghazir road; expansion and rehabilitation of Mayrouba-Nahr el Zahab – Jouret al Tirmes – Hadshat – Yahshoush road; road protection works and Byakout road; Skidding treatment, rehabilitation and expansion of Beir Al Heet- Qartaba road and Ihmige – Laqlouq road in Jbeil region; rehabilitation and expansion of Kfarhim – Bishtfin – Amiq road in the Chouf and West Baka'a regions; rehabilitation and expansion of Amshit – Tannourine road in Jbeil and Batroun regions.

#### ***Various roads in the South and Nabatiyeh:***

The CDR is planning to award soon the contracts related to the following roads: Naqoura – Bint Jbeil road;

Chwayah–Sheba'a–Zaghla road; Shihabiyeh – Ghandoriyeh – Marjoun road; and Bint Jbeil – Udaisseh road

Within the framework of the programme for rehabilitation and reconstruction of bridges destroyed during the Israeli aggression in July 2006, the following bridges will be rehabilitated and restored: Damour – Harat EL Rous; Beach – Damour; and a bridge near the Ministry of the Displaced in Damour.

#### ***Miscellaneous roads in the Beka'a***

Sofar and Mdeirij bridges will be reconstructed and rehabilitated within the framework of the programme for rehabilitation and reconstruction of bridges destroyed during the Israeli aggression in July 2006.

## Roads and Highways Sector overview

		Total		completed		in progress		prog
		*No	Amount	*No	Amount	*No	Amount	
<b>Technical assistance</b>		<b>1</b>	<b>0.3</b>	<b>1</b>	<b>0.3</b>			
Institutional development								
1068 / 00 TA Directorate of Roads and other agencies	c	1	0.3	1	0.3			
<b>Capital investment</b>		<b>501</b>	<b>1,663.2</b>	<b>368</b>	<b>1,102.6</b>	<b>133</b>	<b>560.6</b>	<b>27%</b>
<b>Rehab of international and primary roads</b>								
1063 / 00 Rehab of roads, international and primary	c	86	28.5	62	19.4	24	9.1	45%
1063 / 00	w	47	398.5	31	235.5	16	163.0	28%
1392 / 00 Jounieh-Bkerke-Harisa road	c	4	0.7	4	0.7			
1392 / 00	w	4	13.3	4	13.3			
1393 / 00 Batroun-Tannourine highway	c	5	2.8	3	2.1	2	0.7	2%
1393 / 00	w	2	9.9	2	9.9			
1394 / 00 Antelias-Casino du Liban highway - A2	c	2	5.7	2	5.7			
1395 / 00 Sir el Danniye-Jbab el Homr road	c	5	1.6	3	1.0	2	0.6	36%
1395 / 00	w	2	23.1			2	23.1	41%
1396 / 00 Antelias-Bikfaya road: improvements	c	4	1.2	4	1.2			
1396 / 00	w	1	3.9	1	3.9			
1397 / 00 Metn Expressway	c	9	7.0	4	2.6	5	4.5	75%
1397 / 00	w	9	69.5	8	61.6	1	7.8	50%
1440 / 00 South Mountain Highway, Khalde-Damour (C3)	c	1	0.3	1	0.3			
1455 / 00 Chouf expressway	c	1	3.7	1	3.7			
1468 / 00 Tripoli - Bcharri road	w	2	12.3	1	3.7	1	8.5	1%
1469 / 00 Ouzai highway	c	2	0.8	2	0.8			
1469 / 00	w	2	0.1	2	0.1			
1470 / 00 Zgharta - Ehden road	w	6	27.7	4	16.0	2	11.7	64%
1516 / 00 Rehab & Upgrade of Hazmieh-Sofar Road	c	2	3.0	2	3.0			
1516 / 00	w	4	25.5	1	3.6	3	21.9	18%
1517 / 00 Urban Transport Deveopment U.T.D.P	c	39	7.6	21	1.1	18	6.5	18%
1517 / 00	w	13	104.8	1		12	104.8	38%
<b>Rehab of secondary roads</b>								
1064 / 00 Rehab secondary roads	c	8	2.3	7	2.2	1	0.1	5%
1064 / 00	w	11	29.9	10	20.6	1	9.3	40%
<b>Completion of Coastal Expressway</b>								
1066 / 00 Completion of coastal expressway	c	5	3.6	4	3.1	1	0.5	60%
1066 / 00	w	1	2.0	1	2.0			
1066 / 01 Syrian border-Tripoli	c	5	2.0	1	0.2	4	1.8	38%
1066 / 01	w	3	21.4	1	10.0	2	11.4	64%
1066 / 02 Tripoli-Chekka	c	1	0.1	1	0.1			
1066 / 02	w	1	14.9	1	14.9			
1066 / 03 Chekka-Tabarja	c	2	0.4	1	0.3	1	0.2	30%
1066 / 03	w	2	31.0	1	26.7	1	4.3	20%
1066 / 04 Nahr el Kalb intersection improvement	c	2	5.2	2	5.2			
1066 / 04	w	1	42.2	1	42.2			
1066 / 07 Jieh-Zahrani	c	1	0.1	1	0.1			
1066 / 07	w	1	1.6	1	1.6			
<b>New peripheral/penetrator roads for Beirut</b>								
1065 / 00 Beirut Périphérique	c	7	5.5	7	5.5			
1065 / 00	w	6	63.9	5	55.2	1	8.7	40%

## Roads and Highways Sector overview (cont'd)

		Total		completed		in progress		
		*No	Amount	*No	Amount	*No	Amount	prog
1065 / 01	Beirut Périphérique: Northern entrances	c	8	12.2	8	12.2		
1065 / 01		w	5	64.8	5	64.8		
1065 / 02	Beirut Périphérique: Central section	c	5	7.2	5	7.2		
1065 / 02		w	5	53.2	3	36.2	2	17.0 18%
1065 / 03	Beirut Périphérique: Southern section	c	4	6.9	4	6.9		
1065 / 03		w	7	69.0	7	69.0		
<b>Rehab/upgrading of roads in Beirut suburbs</b>								
1067 / 00	Upgrading Beirut City road network	c	12	4.3	10	3.2	2	1.0 40%
1067 / 00		w	6	18.5	5	16.1	1	2.4
1157 / 00	North Beirut suburban roads & services	c	4	8.1	3	7.8	1	0.3 90%
1157 / 00		w	20	72.5	19	66.2	1	6.2 90%
1158 / 00	South Beirut suburban roads & services	c	6	12.9	4	12.4	2	0.5 40%
1158 / 00		w	22	152.4	20	136.0	2	16.5 20%
1399 / 00	Immediate action plan for Greater Beirut transport	c	13	3.8	10	3.5	3	0.3 78%
1575 / 00	Hikmeh-turk Road link	c	1		1			
<b>Rehab and upgrading of roads in Tripoli</b>								
1429 / 00	Tripoli roads and services	c	5	2.9	4	1.9	1	1.0 50%
1429 / 00		w	3	14.9	3	14.9		
<b>Zahle roads and services</b>								
1445 / 00	Zahle roads and services	c	1	0.1	1	0.1		
<b>Beirut roads and services</b>								
1467 / 00	Beirut roads and services	c	16	2.5	10	0.9	6	1.6 41%
1467 / 00		w	18	79.9	13	31.8	5	48.1 3%
<b>Beirut-Damascus Expressway</b>								
1159 / 00	Beirut-Damascus expressway	c	4	3.2	3	2.0	1	1.2
1159 / 00		w	1	58.9			1	58.9
<b>Street lighting</b>								
1494 / 00	Street lighting for major cities in North Lebanon	c	1	0.1	1	0.1		
1500 / 00	Street lighting for major cities in Bekaa	c	1	0.1	1	0.1		
1502 / 00	Street lighting for major cities in Mont Lebanon	c	1	0.2	1	0.2		
1503 / 00	Street lighting for major cities in South Lebanon and Nab	c	4	1.5	4	1.5		
1503 / 00		w	3	4.6	2	4.5	1	0.1 50%
1504 / 00	Street lighting in Beirut	c	1		1			
<b>New secondary roads</b>								
1501 / 00	New roads secondary in North Lebanon	c	10	3.2	7	2.1	3	1.1 63%
1501 / 00		w	5	27.9	4	22.1	1	5.8 30%
<b>Sector Totals</b>			<b>502</b>	<b>1,663.5</b>	<b>369</b>	<b>1,102.9</b>	<b>133</b>	<b>560.6 27%</b>

## Public Transport Sector overview

		Total		completed		in progress		
		*No	Amount	*No	Amount	*No	Amount	prog
<b>Technical assistance</b>								
<b>Planning and policy studies</b>								
1069 / 00	Public transport study	c	1	2.3	1	2.3		
<b>Sector Totals</b>			<b>1</b>	<b>2.3</b>	<b>1</b>	<b>2.3</b>		

## Roads and Highways contracts awarded in 2007

			Contract amount (in USD)	External funding	Start Date
<b>Capital investment</b>			<b>151,077,933.1</b>		
<b>Rehab of international and primary roads</b>					
1063 / 00	Rehab international and primary roads				
4809 / 00	Rehabilitation of the Northern Entrance of Beirut between Dora and Tabarja	w	16,771,683		Jun/2007
9130 / 00	Sup for the reh of Joun-Zaitouniye & Saadiyat-Ain El Hour roads	c	272,400	SFD	Jan/2008
9165 / 00	Design & Sup for the rec of 2 damaged bridges:new & old bridges of Damour	c	178,000	SAUDI	Jan/2007
4810 / 00	Reconstruction of the coastal highway bridge on Damour river	w	1,526,715	SAUDI	Jun/2007
4825 / 00	Reconstruction of the old stone bridge on Damour river	w	1,492,067	SAUDI	Nov/2007
9167 / 00	Design & Sup for the rec of 2 damaged bridges:Wadi El-Zeini Jadra&Habbous	c	36,700	SAUDI	Jan/2007
4811 / 00	Reconstruction of Wadi El-Zeini (Jadra) bridge	w	803,540	SAUDI	Jun/2007
9230 / 01	Construction Supervision of Chnaniir - Dlebta road	c	132,000		Jun/2007
4792 / 00	Construction of Chnaniir - Dlebta road	w	3,613,170		Jun/2007
9232 / 00	Tech control for the design and reconstruction of damaged bridges - Lot A	c	107,040	SAUDI	May/2007
9236 / 00	Sup for the const of Mrah Sreij-Bakhoun-Taran road & reh of Taran-Hazmieh	c	168,285		Jun/2007
4806 / 00	Construction of Mrah Sreij - Bakhoun - Taran - Hazmieh bridge road	w	3,364,527		Jun/2007
9238 / 00	Tech Control for the design and reconstruction of damaged bridges - Lot C	c	116,400	SAUDI	May/2007
9239 / 00	Tech Control for the design and reconstruction of damaged bridges-Lot B	c	117,600	SAUDI	May/2007
9252 / 00	Design & TD for the reconst of Saoufar bridge & Saoufar-Mdeirej highway	c	88,000		Jul/2007
9275 / 00	Supervision for Abboudieh-Mounjez & Beit Ayoub-Fnaideq roads	c	432,000	SFD	
9303 / 00	Review & update of the studies rel to the Sainiq conn in Saida coast boul	c	82,500		Oct/2007
9314 / 00	Design for the reh of southern coastal highway between Khaldeh & Zahrani	c	65,214		Nov/2007
9316 / 00	Design & Sup for the reconst of 2 damaged bridges : overpass PS-10 & PS-13	c	41,500	SAUDI	Nov/2007
9352 / 00	Design & Sup for the rehabilitation of Zouk Mosbeh - Faraya road	c	297,000		Nov/2007
4838 / 00	Reh of Zouk Mosbeh - Faraya road (Oyoun El Siman Area) Sections 1&2	w	4,995,683		Nov/2007
1393 / 00	Batroun-Tannourine				
9251 / 00	Sup & Ass during tendering for Batroun-Bijdarfil section & Bijdarfil-Dael	c	416,000	SFD	Jan/2008
9254 / 00	Design & TD prep for the upgrade of the Batroun - Bijdarfil existing road	c	252,450		Aug/2007
1517 / 00	Urban Transport Deveopment U.T.D.P				
3695 / 00	UTDP - New grade separation at Tayouneh Roundabout	w	9,948,181	AFESD	Oct/2007
3703 / 00	UTDP - Upgrade of Mar Mekhael Intersection	w	5,557,949	AFESD	Oct/2007
9214 / 00	UTDP-Airport Road / Chiyah Boulevard - Arch invest services - senior coord	c	17,500		Apr/2007
9215 / 00	UTDP-Airport Road / Chiyah Boulevard - Arch invest services - senior arch	c	10,000		Apr/2007
9216 / 00	UTDP-Airport Road / Chiyah Boulevard - Arch invest services - senior arch	c	8,000		Apr/2007
9217 / 00	UTDP-Airport Road / Chiyah Boulevard - Arch invest services - IT Officer	c	10,000		Apr/2007
9218 / 00	UTDP-Airport Road / Chiyah Boulevard - Arch invest services - Expert	c	15,000		Apr/2007
9219 / 00	UTDP-Airport Road / Chiyah Boulevard - Arch invest services - senior arch	c	3,000		Apr/2007
9220 / 00	UTDP - Airport Road / Chiyah Boulevard - Arch invest services - senior arch	c	3,000		Apr/2007
9221 / 00	UTDP-Airport Road / Chiyah Boulevard - Arch invest services - senior arch	c	3,000		Apr/2007
<b>Rehab of secondary roads</b>					
1064 / 00	Rehab secondary roads				
9288 / 00	Design & Sup for the reh of Beit El Faks-Korseita-Nemrine road	c	109,780		Oct/2007

**Roads and Highways contracts awarded in 2007 (cont'd)**

			Contract amount (in USD)	External funding	Start Date
<b>Completion of Coastal Expressway</b>					
<b>1066 / 01</b>	<b>Syrian border-Tripoli</b>				
3437 / 02	Reconstruction of Kleiat bridge (Homs exit - Arida road)	w	236,395	SAUDI	Feb/2007
<b>New peripheral/penetrator roads for Beirut</b>					
<b>1065 / 02</b>	<b>Central section</b>				
9155 / 00	Sup for the reconst of damaged bridges-Hazmieh-Airport link-Section B	c	83,596	SAUDI	Mar/2007
4730 / 00	Reconstruction of damaged bridge , Beirut periph-Section B-Hazmieh-Airport	w	2,742,816	SAUDI	Mar/2007
<b>Rehab/upgrading of roads in Beirut suburbs</b>					
<b>1067 / 00</b>	<b>Upgrading Beirut city roads</b>				
9185 / 00	Study to localize an area in Solidere to handle the removed mat from SSB	c	44,000		Mar/2007
<b>Beirut roads and services</b>					
<b>1467 / 00</b>	<b>Beirut roads and services</b>				
4728 / 00	Beirut city services upgrading prj - Phase 3 - Package 1 - Contract 2	w	13,803,193	AFESD	Jun/2007
4814 / 00	Demolition of the gen directorate of int sec forces old bldg in Achrafieh	w	346,500		Aug/2007
9189 / 00	TC on works and sup for Beirut city services updating prj (Ph 3 - Pck 1)	c	75,035		Jun/2007
9237 / 00	Sup for Beirut city services upgrading proj - Phase 3-Pck 1 - Contracts 1&2	c	244,003	AFESD	Jun/2007
9317 / 00	Sup for Beirut City Services Upgrading Project - Phase 2 - Contract 2	c	601,837	IDB	Nov/2007
4762 / 00	Beirut city services upgrading project - Phase 2 - Contract 2 - Stage 1	w	21,794,097	IDB	May/2007
<b>Beirut-Damascus Expressway</b>					
<b>1159 / 00</b>	<b>Beirut-Damascus Expressway</b>				
9166 / 00	Construction Sup services for Pan Arab Highway : Taanayel - Masnaa section	c	1,162,634	EIB	Mar/2007
3464 / 00	Pan Arab Highway : Taanayel - Masnaa section	w	58,887,943	EIB	Mar/2007
<b>Sector Totals</b>			<b>151,077,933</b>		

## Roads & highways Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>Highways</b>						
<b>1496</b>	Southern Coastal Highway		w	225,000		Dec/2008
<b>1511</b>	Supervision of Rehabilitation & Widening of Bir El Hayt- Qartaba Road		w	400,000	IDB	May/2009
<b>1509</b>	Supervision of Rehabilitation & Widening Qoubbeh - Ardeh Road		w	500,000		Jan/2010
<b>1514</b>	Supervision of Rehabilitation & Widening of Mayrouba - Yah'chouch Road		w	390,000		Mar/2009
<b>1529</b>	Supervision of Quarantina Intersection/Pierre Gemayel (Mawared)		w	150,000		Feb/2009
<b>1537</b>	Supervision of Nabarieh-Marj'ouyoun Road		w	750,000	IRAN	Feb/2009
<b>Capital Investment</b>						
<b>Highways</b>						
<b>148</b>	Jamhour Aley section (9 kms)	Design Phase	w	75,000,000		Dec/2008
<b>150</b>	Mdeirej - Chtoura - Ta'anayel section	Tendering Phase	w	60,000,000	SFD OFID	Oct/2007
<b>1484</b>	Mdeirej - Chtoura-Ta'anayel Section	Tendering Phase	w	40,000,000		Oct/2007
<b>1559</b>	Rehabilitation of Damascus Road:Hazmich-Jamhour section	Design Phase	w	35,000,000	KFAED	Apr/2008
<b>152</b>	Qalamoun - Deir Ammar section	Project identification	w	45,000,000	IDB	Sep/2008
<b>156</b>	Mina - Baddawi section (the west ring road)	Project identification	w	20,000,000	EIB	Sep/2008
<b>1494</b>	Rehabilitation of International Road from Khaldeh to Zahrani	Funding not secured	w	7,500,000		Dec/2008
<b>1495</b>	Study of International Road from Khaldeh to Zahrani	Funding not secured	w	150,000	Local	Jul/2007
<b>157</b>	Coastal expressway between Antelias and Nahr Beirut with Mawared and Port of Beirut tunnel	Tendering Phase	w	130,000,000		Jan/2009
<b>159</b>	Hekmeh - Turk road	Tendering Phase	w	8,000,000	AFESD	Sep/2008
<b>169</b>	Traffic Control Center & police training	Tendering Phase	w	3,550,000	IBRD	Feb/2008
<b>1193</b>	Cars & office equipment for Traffic Control Center	Project identification	w	350,000	IBRD	Feb/2009
<b>1402</b>	Purchase of Police motorcycles	Design Phase	w	2,000,000	IBRD	Sep/2007
<b>174</b>	Equipment	Tendering Phase	w	500,000	IBRD	Feb/2008
<b>175</b>	Hardware, software and office supplies	Tendering Phase	w	340,000	IBRD	Feb/2008
<b>167</b>	Extension of old Tripoli road from Amarat Chalhoub to Antelias	Tendering Phase	w	2,800,000	IBRD	Feb/2009
<b>177</b>	Mkalles interchange	Tendering Phase	w	9,000,000	IDB	Aug/2008
<b>180</b>	Jal el-Dib intersection	Tendering Phase	w	5,900,000	IBRD	Apr/2008
<b>182</b>	Mshrafieh intersection (Shiyah - Kafaat)	Design Phase	w	3,890,000		Dec/2008
<b>183</b>	Tayyouni intersection	Tendering Phase	w	6,500,000	AFESD	May/2008
<b>184</b>	Bchara Khoury - Omar independence intersection	Tendering Phase	w	10,000,000	ADFD	Sep/2008
<b>185</b>	Bchara Khoury - Istiklal intersection	Tendering Phase	w	6,179,280	ADFD	Sep/2008
<b>189</b>	Galerie Sama'an intersection	Tendering Phase	w	3,673,267		Dec/2009
<b>191</b>	Mar Mkhail - Chiyah, Blvd intersection	Project identification	w	4,000,000	AFESD	Jan/2008
<b>193</b>	Sami Solh- Damascus Road intersection	Project identification	w	4,500,000	AFESD	Sep/2008
<b>Infrastructure</b>						
<b>1167</b>	Execution of Beirut infrastructure (Phase III)	Design Phase	w	13,803,193	AFESD	Apr/2007
<b>1168</b>	Beirut street lighting	Design Phase	w	3,535,876	SFD	Feb/2008
<b>1325</b>	Beirut Infrastructure (Phase II, Package II) Execution & Supervision	Tendering Phase	w	30,000,000	IDB	Jun/2007
<b>1330</b>	Abdullah al-ounsi Street	Awaiting funding	w	200,000	Local	Sep/2008

## Roads & highways Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
1334	Beirut Infrastructure (Phase III, Package II, Part I) Execution & Supervision	Tendering Phase	w	12,000,000	AFESD	Jul/2007
1335	Beirut Infrastructure (Phase III, Package II, Part II) Execution & Supervision	Tendering Phase	w	12,000,000	AFESD	Apr/2008
1336	Beirut Infrastructure (Phase III, Package III) Execution & Supervision	Tendering Phase	w	15,000,000	AFESD IDB	Apr/2008
1343	Beirut Public Garden	Project identification	w	30,000,000	Local	Apr/2008
1403	Beirut Infrastructure (Phase III, Package I, Part I) Execution & Supervision	Design Phase	w	10,162,644	AFESD	Jul/2007
158	Old Saida road	Tendering Phase	w	18,000,000	AFESD	Jun/2008
1076	Relief assistance to Tebbaneh district in Tripoli (Phase II)	Funding not secured	w	3,000,000	KFAED	Jan/2008
1327	Tripoli Infrastructure (Phase I, Packages A & B)	Design Phase	w	51,000,000	IDB	Apr/2008
1485	Saida and suburb Infrastructure	Design Phase	w	15,000,000	IDB	Sep/2008
1486	Execution of Railway between Tripoli & Syrian Borders	Design Phase	w	15,000,000	IRAN	Nov/2008
1560	Infrastructure in towns sponsored by Saudi Arabia		w	8,200,000	SAUDI	Jun/2008
1561	Infrastructure in towns sponsored by Saudi Arabia		w	3,900,000	SAUDI	Jun/2008
1562	Infrastructure in towns sponsored by Saudi Arabia		w	11,250,000	SAUDI	Jun/2008
1563	Infrastructure in towns sponsored by Saudi Arabia		w	7,000,000	SAUDI	Jun/2008
1564	Infrastructure in towns sponsored by Kuwait State		w	35,000,000	KUWAIT	Mar/2008
1565	Beirut Southern Suburb Infrastructure Project to relief Israeli Aggression 2006 impacts		w	25,000,000	KUWAIT	Apr/2008
202	Beit Ayoub - Fneidek road	Design Phase	w	6,600,000	SFD	Nov/2007
208	Batroun - Dael road	Design Phase	w	9,000,000	SFD	Sep/2008
221	Abboudieh - Mounjez road (13 Kms)	Design Phase	w	9,900,000	SFD	Jun/2007
1215	Feasibility study for Tripoli - Abboudieh road	Project identification	c	189,000	FRANCE-AFD	Apr/2008
1487	Sir Diversion	Design Phase	w	15,000,000	IDB	Sep/2008
213	Saadiyat Ain Hour Road	Design Phase	w	13,000,000	SFD	Mar/2008
215	Bakleeh- Zaarour- Sanine road	Design Phase	w	15,000,000	SFD	Apr/2008
216	Sanine - road-f Zahle- Mrouj intersection	Design Phase	w	12,000,000	SFD	Nov/2008
236	Ain Alak- Bteghrine road	Design Phase	w	30,000,000	AFESD	Apr/2008
1488	Rehabilitation of Bir El Hayt-Qartaba Road	Design Phase	w	10,000,000	IDB	May/2009
1510	Study of rehabilitation & widening of Bir El Hayt-Qartaba Road	Awaiting funding	w	300,000		Jan/2008
219	Shwaya- Chaba'a- Zaghla road	Design Phase	w	2,750,000	IDB	Mar/2009
220	Shehabieh- Ghandourieh- Marjayoun road	Design Phase	w	7,000,000	AFESD	Jun/2009
1489	Nabatieh-Marj'ouyoun Road	Design Phase	w	25,000,000	IRAN	Oct/2008
1566	Naqoura-Bint Jbeil Road	Design Phase	w	35,000,000	IRAN	Jun/2008
241	Rehab of the international road:Chtoura- Ibleh- Karak- Riyak- Baalbeck-Syrian border section with Arsal connection	Design Phase	w	23,000,000	IRAN	Apr/2008
224	Extension and rehab. of Deir Bella- Kfar Halda/Assi Gardens road	Design Phase	w	2,200,000	Local	Mar/2009
225	Kousba- Tourza intersection road	Design Phase	w	1,100,000	Local	Jul/2009
227	Hasroun - Bkarkacha interchange	Design Phase	w	3,800,000	Local	Jul/2009
229	Al Arz road	Design Phase	w	5,400,000	Local	Jul/2009
231	Beit Munzer road	Design Phase	w	7,200,000	Local	Jul/2008
1508	Rehabilitation & widening Qoubleh-Ardeh Road	Design Phase	w	10,000,000		Jan/2010
1512	Study of Rehabilitation & widening of Deir Bella-Bziza/ Aoura Roads	Funding not secured	w	44,000		Jun/2008
1513	Supervision of Rehabilitation & widening of Deir Bella-Bziza / Aoura Roads	Funding not secured	w	66,000		Mar/2009
1517	Rehabilitation & widening of Beit El Faqss-Nemrine (Dennieh Caza)	Design Phase	w	5,000,000	Local	Feb/2009
1538	Supervision of Beit Monzer Road	Tendering Phase	w	216,000	Local	Jul/2008
1567	Execution of remaining works of Mrah Al Sreij - Hazmieh Bridge Road		w	3,364,527	Local	Feb/2008
233	Jounieh - Bkerky - Harissa road	Design Phase	w	7,200,000		Nov/2008
234	Fakra- Sannine - Masateb road	Design Phase	w	7,000,000	Local	Nov/2008
235	Ghazir - Jedeidet Ghazir road	Design Phase	w	2,240,000	Local	May/2009
238	Extension and rehab of Mayrouba- Nahr el-Dahab- Jouret el-Termos- Hadshat- Yahshoush road	Design Phase	w	13,000,000	Local	Aug/2008
1169	Protection works and treatment of landslides - Biakut	Design Phase	w	3,500,000	Local	Jun/2008
1333	Rehabilitation & widening of Zouk Mosbeh - El Taybeh (Baalbeck) Road		w	100,000,000		Jan/2009

## Roads & highways Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>1507</b>	Execution of a Road connection in Birreh Town (Chouf Caza)	Design Phase	w	1,200,000		Feb/2009
<b>1515</b>	Rehabilitation & widening of Ehmej-Laqlouq Road (Jbeil Caza)	Design Phase	w	10,000,000	Local	Feb/2009
<b>1521</b>	Rehabilitation & widening of Kfar Him - Aamik road (Chouf Caza)	Design Phase	w	8,000,000	Local	Feb/2009
<b>1523</b>	Rehabilitation & widening of Amchit-Tannourine (Jbeil & Batroun Caza)	Awaiting funding	w	15,000,000	AFESD	Feb/2009
<b>1534</b>	Study of Chehabieh - Marjouyoun Road	Design Phase	w	180,000		Jan/2008
<b>1425</b>	Wadi Al_zeineh Bridge	Design Phase	w	1,560,000	SAUDI	
<b>1426</b>	Damour Bridge	Design Phase	w	1,000,000	SAUDI	
<b>1427</b>	Old Damour Brodge	Design Phase	w	600,000	SAUDI	
<b>1428</b>	Saoufar Bridge	Design Phase	w	6,500,000	ITALY	Feb/2008
<b>1430</b>	Damour Bridge (Haret El Rouss)	Design Phase	w	500,000		Mar/2008
<b>1431</b>	Mdeireg Bridge	Design Phase	w	20,000,000		
<b>1432</b>	Addousieh Bridge	Design Phase	w	760,000	IRAN	
<b>1433</b>	Sarafand Bridge	Design Phase	w	700,000	IRAN	
<b>1434</b>	Saksakieh Bridge	Design Phase	w	690,000	IRAN	
<b>1435</b>	Bablieh Bridge	Design Phase	w	760,000	IRAN	
<b>1436</b>	Ansarieh Bridge	Design Phase	w	500,000	IRAN	
<b>1437</b>	Ansarieh- Deir Takla Bridge	Design Phase	w	500,000	IRAN	
<b>1438</b>	Khayzaran Bridge	Design Phase	w	480,000	IRAN	
<b>1439</b>	Masbah Bridge- Damout	Design Phase	w	370,000	SAUDI	Jan/2008
<b>1440</b>	Bridge near Ministry of displaced - Damour	Design Phase	w	370,000	SAUDI	
<b>1441</b>	Abou al-Aswad Bridge	Design Phase	w	1,000,000	IRAN	
<b>Sector Totals</b>				<b>1,261,038,787</b>		

## Transport Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>						
<b>1002</b>	Civil works for existing tarmacs and runways for the rehab. and development of Beirut airport	Tendering Phase	w	6,000,000	KFAED	Dec/2007
<b>1218</b>	Hangars for air line companies (phase 1)	Design Phase	w	4,000,000	Local	Jan/2008
<b>1341</b>	Rehabilitation of storm water drains and aircraft parking spaces adjacent to TMA hangers at Rafic Hariri International Airport	Design Phase	w	2,600,000	KFAED	Jun/2007
<b>Sector Totals</b>				<b>12,600,000</b>		



*Sir El Donniah - Jabal El Homr - Hermel*

# Education



## 1. Public Education

The total value of contracts awarded from 1992 until December 2007, for both studies and construction works in the public education sector, amounted to about US\$ 238.5 million. The plan for this sector aims to provide a seat in primary education for every Lebanese child of school age. This policy of “Education for All”, adopted in the Dakar Conference Declaration, has been incorporated into the plans of the Ministry of Education and Higher Education (MEHE). All newly built schools shall be provided with the equipment and laboratories required under the new curricula.

### Achievements to Date

***Urgent rehabilitation project:*** All

public schools (1284 primary, intermediate and secondary schools) have been rehabilitated and most of these schools have also been provided with the necessary equipment, furniture and laboratories. CDR also completed the rehabilitation of all central administration buildings of the Ministry of Education and Higher Education (MEHE) at UNESCO and Dekwaneh, as well as the buildings of the three Directorates General of MEHE.

***Rehabilitation and expansion of public schools:*** By the end of 2001, CDR completed the rehabilitation and expansion works of 53 public schools. However, the Council of Minister’s Decision No. 16, dated 13 December 2001, authorized MEHE to award the studies and construction works of public



*Douma Public school*

school buildings, funded by the ministry's budget- Program Law. In 2002-2003, the Ministry started to take over from the CDR the rehabilitation and expansion works of existing public schools. CDR limited its activities, in 2002 to rehabilitation and expansion works of public schools in Beirut, which became operational during the academic year 2002-2003.

***Supply of furniture, equipment and computers for schools:*** In order to provide the new curricula requirements demanded by MEHE, CDR supplied 522 public schools in all regions with the necessary furniture and equipment at a total cost of L.L. 2.12 billion, financed under the Ministry's budget.

The offices of the Examinations Department at the MEHE, and of the Management Unit and the EDP and of Education Inspectorate were supplied with the necessary furniture and equipment for an amount of US\$ 236,200, financed through the World Bank loan.

Based on the needs assessment study conducted by MEHE, CDR procured about 6000 computers with associated hardware and software needed for the public schools, funded by the Islamic Development Bank (IDB). The relevant contract was awarded (US\$ 7,187,754) in August 2003 to the successful bidder, ESCORT, included three years maintenance of the equipment. However, the delivery was delayed several times for different reasons, and the equipment was finally delivered at

the end of 2007.

Two contracts, financed by the World Bank, were awarded: The first covered the procurement of computers with associated hardware and software for computer laboratories in public schools (intermediate and secondary), experimental schools of modern technology and pilot schools related to school support component. The second contract covered the procurement of furniture required for the above equipment. The total value of both contracts amounted to US \$ 2.6 million.

Training centers and Teacher Training Colleges were also provided with technical supplies (office supplies) related to the continuous training component of the Education Development Project, at a total cost of US \$ 694,500.

***Reconstruction of destroyed schools:*** The CDR completed the reconstruction of 24 public schools destroyed during the civil war, through funding provided by the EU and SFD. The schools were handed over gradually to MEHE, which in turn provided the basic furniture needed for their operation. These schools, distributed in all five regions of Lebanon, provide about 10,000 school seats lost during the war. The total cost of the relevant studies, works and supervision contracts amounted approximately to US\$ 20 million.

***Studies and Designs of new schools:*** CDR completed all the studies awarded in 2001 for building 90 new schools. The relevant contract documents are

now ready. CDR proceeded to submit to MEHE any completed study for which foreign funding has not yet been secured. MEHE will in turn finance the works from its own budget.

A total of US\$ 149.35 million of foreign funding, in addition to allocations provided under the Program Law No. 622/97, were secured for financing the construction of the following schools:

US\$ 22.55 million from the Arab Fund for Economic and Social Development (AFSED).

US\$ 13.56 million from the Saudi Fund for Development (SFD).

US\$ 13.24 million from the Islamic Development Bank (IDB).

US\$ 75 million from the Kuwait Fund for Arab Economic Development (KFEAD).

US \$ 20 million from the World Bank (IBRD) for construction and equipment of 11 schools (80% of cost of works, 100% of cost of studies and supervision and 85% of cost of furniture and equipment), as part of the 56.56 million loan allocated for the Education Sector.

US \$ 5 million from South Korea.

***Construction of new schools:*** From the beginning of 2002 and until the end of 2007, CDR awarded works contracts of 67 new public schools, and infrastructure and concrete ground slab works contract for the installation of 17 pré-fabricated schools granted by Turkey in particularly those destroyed during the Israeli war in July 2006.

In addition, 48 schools were completed in the following regions: a- Ten (10) schools in Beka'a :

Saadnael, Shmistar, Hermel, Deir al Ahmar, Ali al-Nahri, Nabi Sheet, Bouday, Kob Elias, Yanta and Quaa al Reem.

- b- Seventeen (17) schools in Mount Lebanon: Damour, Baysour, Bater, Ashkout, Aabadiya, Deir al Qamar, Hsarat, Bziza, Shweir, Baabdat, Ba'aqline, Yahshoush, Kfer Zebian, Kfar Katra, Chiah, Ajaltoun and Hrajil.
- c- Nine (9) schools in the North: Kfar Habbou, Syr, Bakhoun, Bibnine, Mishmesh, Anfeh, Tripoli, Qalamoun and Tikrit.
- d- Six (6) schools in the South and Nabatieh: Kafra, Sojoud, Al-Kfeir, Taloussa, Wadi Jilo and Rshaf.
- f- Six (6) schools in Beirut: Schools No 16, 17, 18, 19, 20 and 22.

The World Bank, IDB, SFD, AFESD and KFAED contributed to financing the construction of these schools as well as from MEHE's budgets allocations.

The total cost of the seven schools (6 schools + Chiah School No. 31) completed in Beirut amounted to US\$ 27.8 million and their total capacity reached 11,676 students distributed as follows: 480 students in pré-primary, 5400 students in primary education, 3456 students in intermediate education and 2340 in secondary education. All necessary furniture and equipment were procured for these schools (except Chiyah School No. 31 completed recently, which will be provided with furniture and equipment in the near future) at a total cost of US\$ 1,626,702, contributed by SFD and KFED.

In July/August 2006, Lebanon witnessed an Israeli aggression that caused disastrous human loss, widespread displacement and immense damage to private and public infrastructure, in addition to total economic paralysis.

It should be noted that the Education Sector was particularly hit hard by this war. Public and

some private schools were the only shelters available for accommodating the displaced families. This caused delay in reopening schools after the Israeli siege, had been lifted because the schools needed repair after departure of displaced families. Partially or totally damaged schools also needed repair or reconstruction. In spite of all these calamities, Lebanon was able, with the help of its Arab brethren and the international community to heal its wounds quickly and to continue its development and reconstruction effort, after rehabilitating and repairing the war damages.

### Projects in Progress

During 2007, CDR awarded 2 contracts: One for the construction of Nabi Yushaa Public school, and the other for converting the existing Kettermaya Vocational School building into a general education building. The total value of the contracts (US \$ 2.9



*The Public school (Halba)*



*Baabdat Public School*

million) was financed under the Public School Program Law.

CDR also signed 17 contracts covering infrastructure works and concrete ground slab for installation of pre-fabricated school units offered by Turkey in 21 villages to replace the following schools damaged or destroyed during July 2006 war: Joun, Ketrnaya, Al Banye, Duress, Eiaal. Sfinet Alkaitaa, Deir Dourit, Al Taibeh, Ansarieh, Kounine, Al Bireh, Srifa, Ain Al Helwet, Saksakieh, Majdal, Eia'at, Miniara, Ansarieh, Al Ghandourieh, Aitaroun and Bint Jbeil.

CDR was also able to secure the funds for the procurement of furniture and equipment needed by the five schools (over US \$ 323,300) constructed by the Islamic Development Bank: Wadi Jilo, Rshaf, Tallousa, Sojoud and Kfeir schools. CDR also procured furniture for the 11 schools funded by the World Bank, at a total cost of US \$ 782,800. Finally, CDR procured the technical equipment

for the training centers and Teacher's Colleges (office supplies) forming part of the continuous training component of the Education Development Project (EDP), at a total cost of US \$ 662,000 thousand.

CDR also launched the invitation to tender for the procurement of equipment required by MEHE's schools and public administration that would allow implementation of the School Information System (SIS). This system was granted to MEHE by the National Committee for the Support of Public Schools for interconnecting these schools together. The relevant contract, amounting to US \$ 3,348,542, was awarded to Acer Computer (ME) Ltd in September 2007.

### **Projects under Preparation**

**Construction of new schools:** In 2008, CDR is expected to award the construction works of about 16 schools, after completing the related studies and tender documents. These schools are

distributed as follows: 5 in Beirut, 8 in the Bekaa, 1 in the North, and 2 in the South.

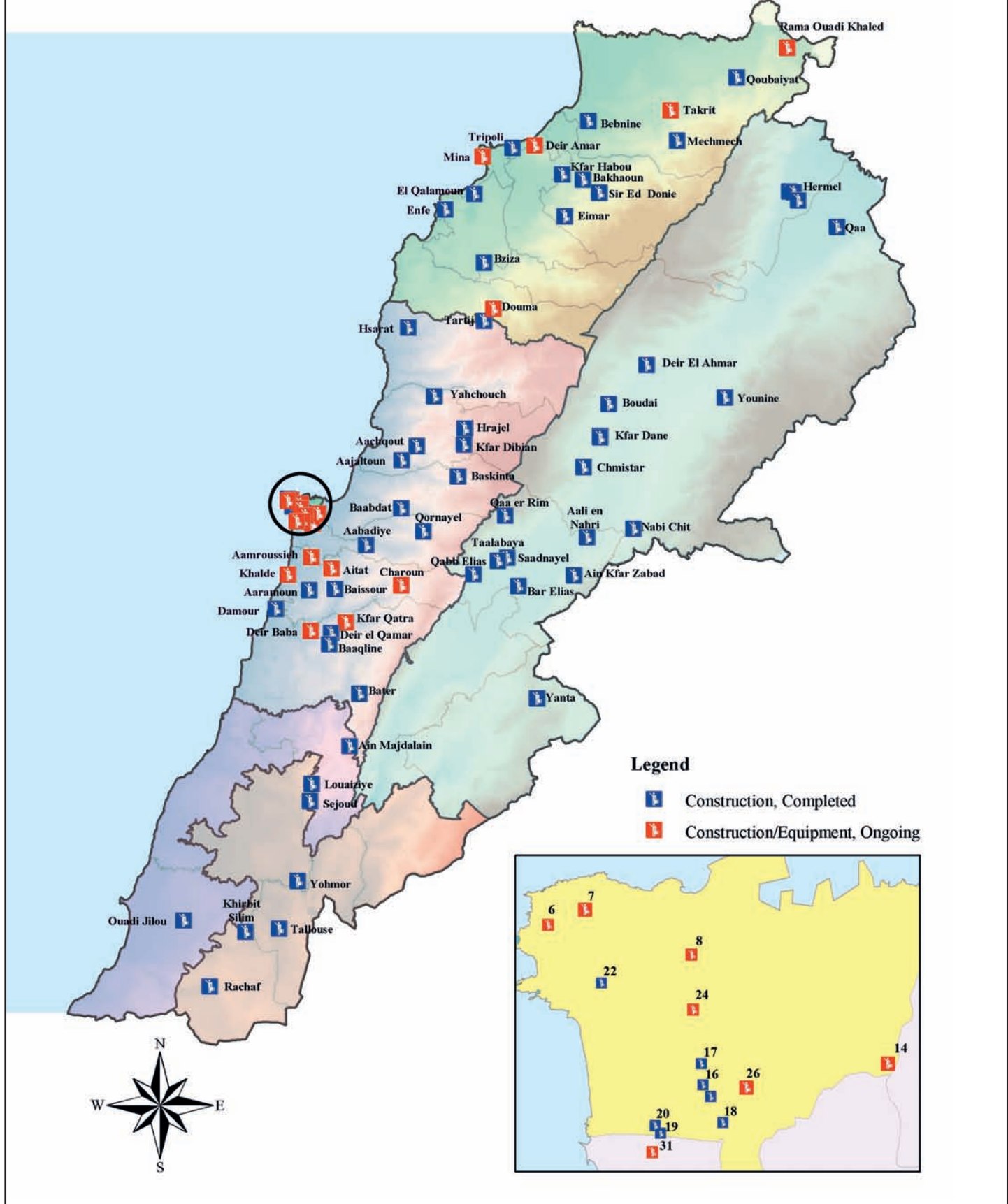
Five of these schools will be financed by KFAED, one school by SFD, eight schools by IDB and the two remaining schools by South Korea. It should be mentioned that CDR will launch the invitations to tender for the construction works of the schools financed locally, whenever the Ministry of Education transfers to its account the necessary allocations, since the related Design studies have been completed, as mentioned before.

CDR is also expected to award the consultation contracts covering the preparation of expropriation documents, Design studies and supervision of works of the 2 schools that will be constructed in the Southern suburb and financed by a grant from Saudi Arabia.

CDR will gradually launch the invitations to tender related to the procurement of furniture and equipment needed by all schools that have been, or will be, completed in 2007 and 2008, particularly after allocating US\$ 15 million from the Saudi grant donated for the reconstruction of Lebanon, for equipping the schools funded by SFD or other sources.

The Project Management Team (PMT)- Education Development Project (EDP) completed the tender documents for the procurement of equipment needed by the schools financed by the World Bank loan. These documents

# Public Schools Completed & Ongoing Projects



## National Education Sector overview

		Total		completed		in progress		prog	
		*No	Amount	*No	Amount	*No	Amount		
<b>Technical assistance</b>		<b>41</b>	<b>17.0</b>	<b>12</b>	<b>0.9</b>	<b>29</b>	<b>16.1</b>	<b>66%</b>	
<b>Planning and policy studies</b>									
1088 / 00	Upgrading educational programmes	c	3	0.2	1		2	0.2	64%
1088 / 00		w	1	7.2			1	7.2	90%
1090 / 00	Schools regrouping project: Master Plan	c	1	0.3	1	0.3			
<b>Institutional development</b>									
1089 / 00	Technical assistance to Ministry	c	19	3.8	8	0.5	11	3.2	90%
1584 / 00	Additional equipment & furniture	c	7	0.2			7	0.2	9%
1584 / 00		w	10	5.4	2	0.1	8	5.3	19%
<b>Capital investment</b>		<b>702</b>	<b>221.6</b>	<b>592</b>	<b>140.8</b>	<b>110</b>	<b>80.7</b>	<b>41%</b>	
<b>Rehab and equipment of public schools</b>									
1085 / 00	Rehab damaged schools - "phase 0"	c	1		1				
1085 / 00		w	3	0.2	3	0.2			
1085 / 01	Phase 1 of schools rehab	c	10	1.6	10	1.6			
1085 / 01		w	66	8.4	66	8.4			
1085 / 02	Phase 2 of schools rehab	w	69	10.7	69	10.7			
1085 / 03	Phase 3 of schools rehab	w	4	0.8	4	0.8			
1085 / 04	Phase 4 of schools rehab	w	93	14.0	93	14.0			
1085 / 05	Phase 5 of schools rehab	w	57	9.4	57	9.4			
1085 / 06	Phase 6 of schools rehab	c	11	0.3	11	0.3			
1085 / 06		w	4	0.4	4	0.4			
1085 / 11	Rehab of public schools - equipment	w	10	4.7	10	4.7			
1309 / 00	Reconstruction of destroyed schools	c	33	1.7	33	1.7			
1309 / 00		w	35	23.8	34	22.9	1	0.9	95%
1471 / 00	Rehab & Extension of public schools	c	32	0.9	31	0.9	1		70%
1471 / 00		w	58	10.3	56	8.1	2	2.2	18%
<b>Rehab/construct teacher training colleges</b>									
1086 / 00	Rehab and construction of teacher training colleges	c	2	0.3	2	0.3			
1086 / 00		w	1	1.1	1	1.1			
<b>Construct new schools</b>									
1507 / 00	Studies for the Construction of new schools (IBRD)	c	8	0.9	3	0.1	5	0.8	82%
1507 / 00		w	6	8.7	4	5.5	2	3.2	83%
1591 / 00	Equipment & furniture	c	2		1		1		50%
1591 / 00		w	4	3.5	3	0.9	1	2.6	50%
<b>Construct new schools (Beirut)</b>									
1585 / 00	Beirut Schools ( Various studies)	c	7	3.3	3	3.1	4	0.2	6%
1585 / 00		w	6	20.0			6	20.0	25%
1585 / 01	Mazraa Public School (no:16)	c	2	0.1	2	0.1			
1585 / 01		w	1	4.1	1	4.1			
1585 / 02	Dana station Public School (no:18)	c							
1585 / 02		w	1	0.8	1	0.8			
1585 / 03	Bir Hassan Public School (no:19)	c	3	0.3	2	0.3	1		90%
1585 / 03		w	2	10.9	2	10.9			
1585 / 04	Mousaytbeh & Ras Beirut Public Schools (no:20 & no 2)	c	2	0.1	2	0.1			
1585 / 04		w	2	6.9	2	6.9			
1585 / 06	Transformation of Plot 2815 Building to school	c	3		3				
1585 / 06		w	1	1.6	1	1.6			

## National Education Sector overview (cont'd)

		Total		completed		in progress		prog	
		*No	Amount	*No	Amount	*No	Amount		
1585 / 30	Equipments and furniture for Schools in Beirut	c	4	0.1	3		1		5%
1585 / 30		w	4	1.1	4	1.1			
<b>Construct new schools (Mount Lebanon)</b>									
1586 / 00	Mount Lebanon Public Schools	c	6	0.5			6	0.5	44%
1586 / 00		w	8	8.1			8	8.1	51%
1586 / 01	Kfarselwan School	c	1				1		60%
1586 / 02	Abadieh School	c	3	0.1	2	0.1	1		40%
1586 / 02		w	1	1.6			1	1.6	40%
1586 / 03	Baskinta School	c	1	0.1	1	0.1			
1586 / 03		w	1	1.8			1	1.8	
1586 / 04	Babdaat School	c	1	0.2			1	0.2	56%
1586 / 04		w	1	1.9			1	1.9	40%
1586 / 05	Dekwaneh School	c	1		1				
1586 / 06	Bater School	c	2	0.1	2	0.1			
1586 / 06		w	1	1.3	1	1.3			
1586 / 07	Baakline School	c	2	0.1	2	0.1			
1586 / 07		w	1	1.3	1	1.3			
1586 / 08	Deir Al-kamar School	c	3	0.1	1	0.1	2		45%
1586 / 08		w	1	1.6			1	1.6	65%
1586 / 09	Baysour School	w	2	1.2	1		1	1.2	70%
1586 / 10	Aramoun School	c	1				1		60%
1586 / 10		w	1	1.0			1	1.0	40%
1586 / 11	Amrousieh School	c	1	0.1			1	0.1	60%
1586 / 11		w	1	2.1			1	2.1	70%
1586 / 12	Al-Kmatieh School	c	1		1				
1586 / 13	Aayat School	c	1	0.1	1				50%
1586 / 13		w	1	1.1			1	1.1	50%
1586 / 14	Ajaltoun School	c	3	0.1	2		1		
1586 / 14		w	1	1.0			1	1.0	40%
1586 / 15	Kfardebian School	c	1	0.1			1	0.1	60%
1586 / 15		w	1	1.3			1	1.3	20%
1586 / 16	Hasarat School	c	1	0.1			1	0.1	90%
1586 / 17	Sharoun School	c	1	0.1			1	0.1	60%
1586 / 17		w	1	1.4			1	1.4	5%
1586 / 18	Yahchouch School	w	1	1.8	1	1.8			
<b>Construct new schools (North)</b>									
1587 / 00	North Schools	c	3	0.1			3	0.1	23%
1587 / 00		w	6	5.5	1	0.1	5	5.5	39%
1587 / 01	Al-Tall School	c	2	0.2	1	0.1	1	0.1	5%
1587 / 02	Kalamoun School	c	2	0.1	2	0.1			
1587 / 02		w	1	1.2	1	1.2			
1587 / 03	Ibrine School	c	2	0.1	1		1		60%
1587 / 04	Bziza School	c	2	0.1	1	0.1	1		
1587 / 04		w	1	1.1			1	1.1	50%
1587 / 05	Douma School	c	2	0.1	1		1		
1587 / 05		w	1	2.0			1	2.0	40%
1587 / 06	Tal-Abbas School	c	1				1		60%

## National Education Sector overview (cont'd)

			Total		completed		in progress		
					*No	Amount	*No	Amount	prog
1587 / 07	Mechmech School	c	1	0.1			1	0.1	60%
1587 / 07		w	1	1.7			1	1.7	20%
1587 / 08	Rama School	c	1	0.1			1	0.1	60%
1587 / 08		w	1	1.8			1	1.8	50%
1587 / 09	Kourkof School	c	1				1		60%
1587 / 10	Bibnin School	w	1	2.8			1	2.8	90%
1587 / 11	Tekreet School	c	1		1				
1587 / 12	Bcharre School	c	1				1		60%
1587 / 13	Bakhoun School	c	2	0.1	1		1		
1587 / 13		w	1	1.2			1	1.2	
<b>Construct new schools (South)</b>									
1588 / 00	South Schools	c	2	0.2			2	0.2	10%
1588 / 00		w	8	0.4	3	0.1	5	0.3	10%
1588 / 01	Marwanieh School	c	1	0.1	1	0.1			
1588 / 02	Wadi Jilo School	c	2		2				
1588 / 02		w	1	0.8	1	0.8			
1588 / 03	Soujod School	c	3	0.1	3	0.1			
1588 / 03		w	1	0.7	1	0.7			
1588 / 04	Ain Majdelin School	c	1				1		56%
1588 / 04		w	1		1				
<b>Construct new schools (Nabatyeh)</b>									
1589 / 00	Nabatiyeh Schools	w	1	0.1			1	0.1	5%
1589 / 01	Rchaaf & Talloussa Schools	c	5	0.1	5	0.1			
1589 / 01		w	2	1.8	2	1.8			
1589 / 03	Al-Kfeir School	c	2	0.1	2	0.1			
1589 / 03		w	1	0.8	1	0.8			
<b>Construct new schools (Bekaa)</b>									
1590 / 00	Bekaa Schools	w	2	1.4	1	1.3	1	0.1	10%
1590 / 02	Talabaya School	c	1				1		60%
1590 / 02		w	1	0.7			1	0.7	40%
1590 / 03	Majdal Anjar School	c	2		1		1		60%
1590 / 04	Saadnayel School	c	2	0.1	2	0.1			
1590 / 04		w	1	0.9	1	0.9			
1590 / 05	Kaa Al-rim School	c	2	0.1	1		1	0.1	60%
1590 / 05		w	1	1.5			1	1.5	60%
1590 / 06	Ali Al-Nahri School	w	1	1.2	1	1.2			
1590 / 07	Kamed El-Lawz School	c	1				1		56%
1590 / 08	Brital School	c	1				1		60%
1590 / 09	Shmistar School	c	1	0.1	1	0.1			
1590 / 09		w	1	1.5	1	1.5			
1590 / 10	Deir Al-Ahmar School	c	1	0.1	1	0.1			
1590 / 10		w	1	1.2	1	1.2			
1590 / 11	Nabi Chit School	c	3	0.1	2	0.1	1		30%
1590 / 11		w	1	1.7			1	1.7	30%
1590 / 12	Fakha School	c	2		1		1		60%

## National Education Sector overview (cont'd)

		Total		completed		in progress		prog
		*No	Amount	*No	Amount	*No	Amount	
1590 / 13 Baalbeck School	c	2	0.1	1	0.1	1	0.1	
1590 / 13	w	1	3.0			1	3.0	50%
1590 / 14 Hermel School	c	1	0.1	1	0.1			
1590 / 14	w	1	1.9	1	1.9			
1590 / 15 Yanta School	c	2		1		1		50%
1590 / 15	w	1	1.0			1	1.0	20%
1590 / 16 Rachaya School	c	2		1		1		60%
1590 / 17 Sagbine & Bekifa schools	c	1	0.1	1	0.1			
1590 / 18 El-Rafid, Tanoura & Al-Mansoura schools	c	1		1				
<b>Sector Totals</b>		<b>743</b>	<b>238.5</b>	<b>604</b>	<b>141.7</b>	<b>139</b>	<b>96.8</b>	<b>45%</b>

## Culture & Higher Education Sector overview

		Total		completed		in progress		prog
		*No	Amount	*No	Amount	*No	Amount	
<b>Technical assistance</b>		<b>3</b>	<b>1.6</b>	<b>2</b>	<b>0.8</b>	<b>1</b>	<b>0.8</b>	<b>80%</b>
<b>Institutional development</b>								
l443 / 00 Technical assistance to Ministry of Culture	c	1	0.8			1	0.8	80%
l510 / 00 Procurement of Lab equipment to USJ	w	2	0.8	2	0.8			
<b>Capital investment</b>		<b>46</b>	<b>345.5</b>	<b>26</b>	<b>32.6</b>	<b>20</b>	<b>312.9</b>	<b>88%</b>
<b>Lebanese University</b>								
l094 / 00 Rehab Lebanese University	c	6	4.5	3	0.3	3	4.2	24%
l094 / 00	w	2	0.8			2	0.8	26%
l094 / 01 Damage assessment	c	1	0.1	1	0.1			
l094 / 02 Rehab Faculty of Sciences at Hadath	c	4	1.2	4	1.2			
l094 / 02	w	2	16.6	2	16.6			
l094 / 03 Rehab Faculty of Sciences at Fanar	c	2	0.7	2	0.7			
l094 / 03	w	1	6.7	1	6.7			
l095 / 00 Lebanese University - New Hadath campus	c	7	22.2	2	0.2	5	22.0	90%
l095 / 00	w	15	288.6	5	2.8	10	285.8	89%
l491 / 00 Procurement of Equipment to IUT	c	1		1				
l491 / 00	w	3	0.8	3	0.8			
<b>Rehabilitate archaeological sites</b>								
l096 / 00 Rehab archaeological sites	c	2	3.2	2	3.2			
<b>Sector Totals</b>		<b>49</b>	<b>347.1</b>	<b>28</b>	<b>33.4</b>	<b>21</b>	<b>313.7</b>	<b>88%</b>

## Vocational & Technical Education Sector overview

		Total		completed		in progress			
		*No	Amount	*No	Amount	*No	Amount	prog	
<b>Technical assistance</b>		48	7.4	48	7.4				
<b>Planning and policy studies</b>									
1318 / 00	Vocational schools regrouping study	c	1	0.1	1	0.1			
<b>Institutional development</b>									
1092 / 03	Curriculum revision	c	11	2.0	11	2.0			
1305 / 00	Technical assistance to Ministry	c	20	4.3	20	4.3			
1305 / 00		w	16	1.0	16	1.0			
<b>Capital investment</b>		158	117.4	113	74.9	45	42.4	53%	
<b>General investment</b>									
1092 / 00	Rehab and equip technical & vocational schools	w	1	1.5	1	1.5			
1547 / 00	Construction & Equipping New Vocational & Technical	c	3	0.1	1		2	0.1	14%
1548 / 00	Rehab., Expa. & Equip. of existing VT Schools	c	3	0.2	2	0.2	1		25%
1553 / 00	Bibnine VT school	c	1	0.1			1	0.1	
1561 / 00	Batroun VT school	c	1				1		50%
1562 / 00	Sir Al Gharbieh VT school	c	1	0.1			1	0.1	50%
1563 / 00	Hasbaya VT school	c	1		1				
1563 / 00		w	2	2.7	2	2.7			
1592 / 00	Shiaah (#30) VT School	c	1	0.6			1	0.6	80%
1592 / 00		w	1	11.0			1	11.0	80%
<b>Rehab/equip vocational/technical colleges</b>									
1092 / 01	Rehab and equip technical & vocational schools: Buildin	c	10	1.1	10	1.1			
1092 / 01		w	10	10.1	10	10.1			
1092 / 02	Furniture & equipment	c	2	0.1	2	0.1			
1092 / 02		w	33	28.6	33	28.6			
1337 / 00	Rehab Bir Hassan Technical School	c	1	0.5	1	0.5			
1337 / 00		w	4	12.9	4	12.9			
1523 / 00	Rehabilitation of Vocational and Technical schools in Be	w	1	0.7	1	0.7			
1524 / 00	Rehab. of VT schools of Mount Lebanon	w	1	0.3	1	0.3			
1526 / 00	Rehabilitation of Vocational and Technical schools in No	c	1	0.1	1	0.1			
1526 / 00		w	1	0.9	1	0.9			
1527 / 00	Rehabilitation of Vocational and Technical schools in So	w	1	0.4	1	0.4			
1528 / 00	Rehabilitation of Vocational and Technical schools in Ba	w	1	0.4	1	0.4			
<b>New VT schools: Beirut and Mount Lebanon</b>									
1400 / 00	Eddeh (Jbeil) VT school	c	2	0.1	1		1		
1400 / 00		w	1	1.7			1	1.7	20%
1401 / 00	Batloun VT school	c	2	0.1	1		1		90%
1401 / 00		w	1	1.4			1	1.4	90%
1403 / 00	Choueifat VT school	c	1	0.1	1	0.1			
1403 / 00		w	1	1.2			1	1.2	90%
1404 / 00	Aley VT school	c	1		1				
1405 / 00	Bikfaya vocational school	c	1		1				
1518 / 00	Ankoun VT School	c	1		1				
1552 / 00	Beit Chabab VT school	c	1	0.1			1	0.1	90%
1552 / 00		w	1	1.1	1	1.1			
<b>New VT schools: North Lebanon</b>									
1406 / 00	Kobayat VT school	c	2		2				
1406 / 00		w	1	1.3	1	1.3			

## Vocational & Technical Education Sector overview (cont'd)

		Total		completed		in progress			
		*No	Amount	*No	Amount	*No	Amount	prog	
1408 / 00	Becharri VT school	c	2		1	1		10%	
1408 / 00		w	1	1.5	1	1.5			
1409 / 00	Al Mina (Tripoli) VT school	c	5	0.4	2	0.2	3	0.2	13%
1409 / 00		w	2	9.0	1		1	9.0	10%
1410 / 00	Bakhoun VT school	c	1	0.1			1	0.1	80%
1410 / 00		w	1	1.4			1	1.4	90%
1411 / 00	Halba VT school	w	2	1.5	1		1	1.5	90%
1412 / 00	Amioun VT school	c	1	0.1	1	0.1			
1412 / 00		w	1	1.2	1	1.2			
1576 / 00	Beddawi VT School	c	2	0.1			2	0.1	57%
1576 / 00		w							
1577 / 00	Abu Samra (1) VT School	c	2	0.1	1	0.1	1		6%
1577 / 00		w	1	3.6			1	3.6	10%
1578 / 00	Abu Samra (2) IPNET	c	2	0.1	1	0.1	1		6%
1578 / 00		w	1	2.4			1	2.4	10%
<b>New VT schools: Bekaa</b>									
1415 / 00	Al Akaba (Rachaya) VT school	c	1		1				
1415 / 00		w	1	1.2	1	1.2			
1416 / 00	Bar Elias VT school	c	2	0.1	1		1		90%
1416 / 00		w	1	1.4	1	1.4			
1417 / 00	Zahle VT school	c	3	0.1	2	0.1	1	0.1	
1418 / 00	Kob Elias VT school	c	1	0.1	1	0.1			
1418 / 00		w	1	1.5	1	1.5			
1419 / 00	Majdel Anjar VT school	c	1	0.1			1	0.1	75%
1420 / 00	Deir Al Ahmar VT school	c	1				1		90%
1421 / 00	Shmistar VT school	c	1		1				
1421 / 00		w	1	0.9	1	0.9			
1509 / 00	Al Ain VT School	c	2	0.1	2	0.1			
1520 / 00	Nabi Chit VT School	c	3	0.1	2	0.1	1		60%
1520 / 00		w	1	1.8			1	1.8	70%
<b>New VT schools: South Lebanon</b>									
1423 / 00	Jbaa VT school	w	1		1				
1425 / 00	Khyam VT school	c	1	0.1			1	0.1	80%
1425 / 00		w	1	1.0			1	1.0	90%
1426 / 00	Rmeish VT school	c	1	0.1			1	0.1	60%
1427 / 00	Ansar VT school	c	1	0.1			1	0.1	90%
1427 / 00		w	1	0.9	1	0.9			
1529 / 00	Saida VT school	c	1	0.1			1	0.1	90%
1529 / 00		w	1	1.3			1	1.3	90%
1530 / 00	Al Mtein VT school	c	2		1		1		65%
1530 / 00		w	1	2.2	1	2.2			
1531 / 00	Al Kaa VT school	c	2	0.1	1		1		50%
1531 / 00		w	1	1.5			1	1.5	80%
1532 / 00	Takrit VT school	c	2	0.1	1		1		30%
1532 / 00		w	1	1.8			1	1.8	80%
<b>Sector Totals</b>			<b>206</b>	<b>124.8</b>	<b>161</b>	<b>82.3</b>	<b>45</b>	<b>42.4</b>	<b>53%</b>

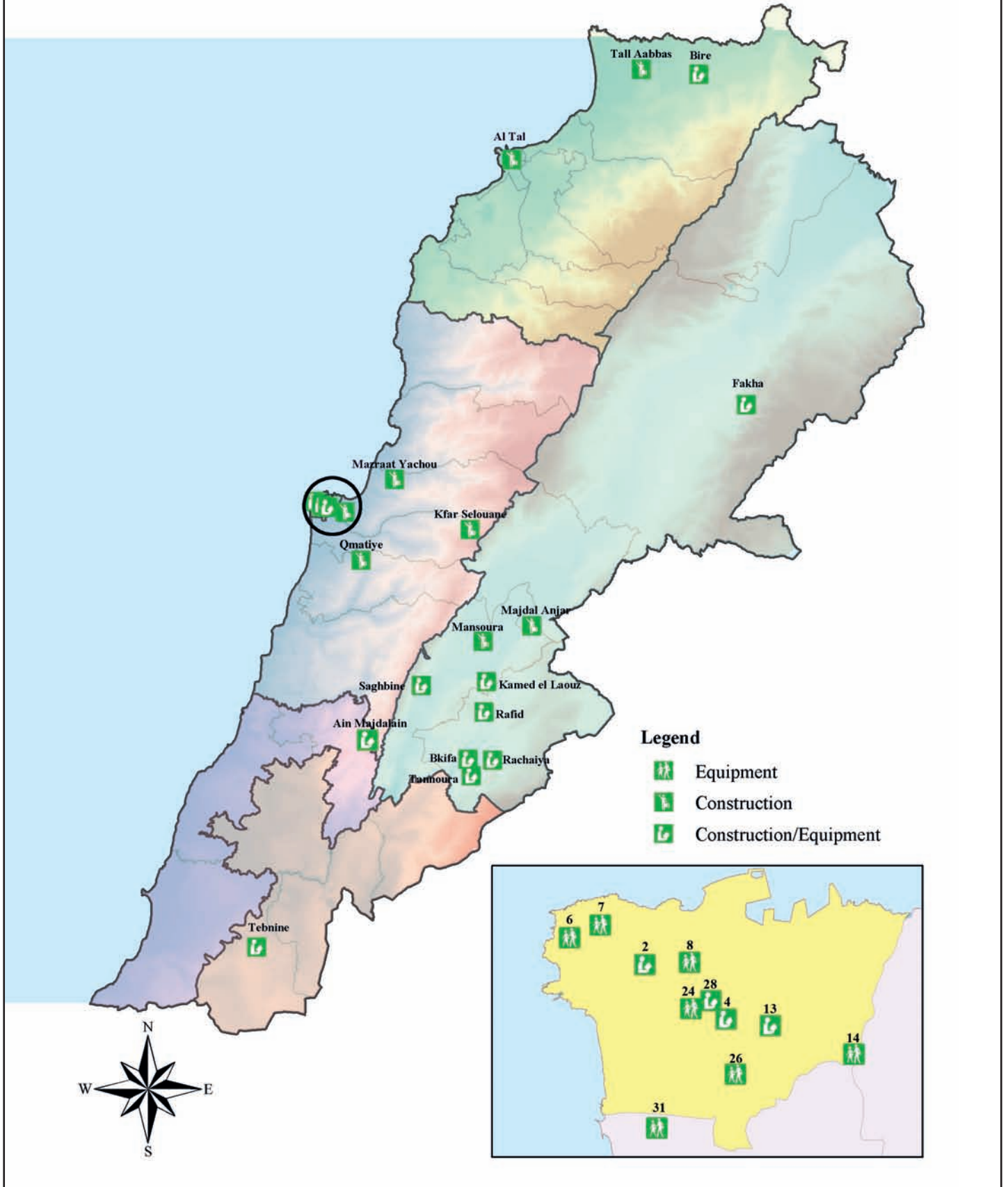
## National Education contracts awarded in 2007

			Contract amount (in USD)	External funding	Start Date
<b>Technical assistance</b>			<b>3,969,795.8</b>		
<b>Institutional development</b>					
1584 / 00	Additional equipment & furniture				
4633 / 00	Supply & inst of air cond equip for the gen educ resources centers - Lot 3	w	32,783	IBRD	May/2007
4760 / 00	Prov of furniture for the new general education public schools - Lot no.2	w	437,741	IBRD	Mar/2007
9259 / 00	Sup for the proc of furn to the pub sch of Hermel,Deir El Ahmar,Shmestar,	c	12,869	SAUDI	Aug/2007
9260 / 00	Sup for the proc of class equip for the pub sch of Hermel,Deir El Ahmar	c	30,647	SAUDI	Aug/2007
9261 / 00	Sup for the proc of equip for the lab & classrooms for the new 11 pub sch	c	33,275		Aug/2007
9262 / 00	Sup for the proc of class equip for the pub sch of Qalamoun,Abadieh	c	25,539	SAUDI	Aug/2007
9274 / 00	Sup for the prov of comp & network related equip for gen educ pub sch	c	48,400		Sep/2007
4763 / 00	Prov of computers & networks related equip for gen educ pub schools	w	3,348,542		Sep/2007
<b>Capital investment</b>			<b>5,072,468.1</b>		
<b>Rehab and equipment of public schools</b>					
1471 / 00	Rehab & Extension of public schools				
3300 / 00	Construction of Ketermaya public school	w	1,798,858		Jul/2007
4837 / 00	Installation of prefabricated schools in Douris , Iaal and sfinit al kaytaa	w	381,766		Nov/2007
<b>Construct new schools (Beirut)</b>					
1585 / 00	Beirut Schools ( Various studies)				
8121 / 01	TA & Sup for the const of public schools in Beirut nos.6 , 24 & 26	c	69,034		Apr/2007
8122 / 00	Supervision & TA for the construction of public school no.7 in Beirut	c	27,900	KFAED	May/2007
8123 / 00	Supervision & TA for the construction of schools no.8&28 in Beirut	c	72,488	KFAED	Jan/2007
9231 / 00	Technical Control for the const of Beirut public schools nos.6 , 24 & 26	c	24,762		Jun/2007
1585 / 30	Equipments and furniture for Schools in Beirut				
9278 / 00	Sup for the proc of workshop & class equip for the pub sch no.(20) & (22)	c	16,053		Nov/2007
<b>Construct new schools (Mount Lebanon)</b>					
1586 / 00	Mount Lebanon Schools				
4818 / 00	Installation of prefabricated schools in Deir Dourit	w	95,400		Jul/2007
4835 / 00	Installation of prefabricated schools in Joun	w	154,195		Dec/2007
4841 / 00	Installation of prefabricated schools in Binnaih	w	90,826		Nov/2007
4842 / 00	Installation of prefabricated schools in Ketermaya	w	185,609		Nov/2007
9222 / 00	Supervision services for the supply of Furniture for Public School no.31	c	4,013		Nov/2007
3988 / 00	Purchase of furniture for public school no.31	w	358,581	KFAED	Nov/2007
<b>Construct new schools (North)</b>					
1587 / 00	North Schools				
4764 / 00	Installation of prefabricated schools in Miniara - Caza of Akkar	w	41,259	HRelCom	Mar/2007
4785 / 00	Installation of prefabricated schools in Al Bireh - Akkar	w	71,985	HRelCom	Apr/2007
9271 / 00	TA & Supervision of construction of An Nabi Youchaah public school	c	27,022		Nov/2007
4671 / 00	Construction of An Nabi Youchaah public school	w	1,080,874		Nov/2007
<b>Construct new schools (South)</b>					
1588 / 00	South Schools				
4766 / 00	Installation of prefabricated schools in Majdelzoun - Caza of Tyre	w	26,008	HRelCom	Mar/2007
4767 / 00	Installation of prefabricated schools in Al Saksakieh - Caza of Saida	w	42,409	HRelCom	Mar/2007
4768 / 00	Installation of prefabricated schools in Ain El Helweh - Caza of Saida	w	38,496	HRelCom	Mar/2007
4769 / 00	Installation of prefabricated schools in Srifa - Caza of Tyre	w	123,618	HRelCom	Mar/2007

## National Education contracts awarded in 2007 (cont'd)

			Contract amount (in USD)	External funding	Start Date
4815 / 00	Installation of Prefabricated schools in Ansarieh	w	58,444	HRelCom	Jun/2007
4816 / 00	Installation of Prefabricated schools in Taybeh	w	26,173	HRelCom	Jul/2007
9248 / 00	Design and supervision for installation of 20 prefabricated schools	c	119,006		Oct/2007
<b>Construct new schools (Nabatyeh)</b>					
1589 / 00	Nabatiyeh Schools				
4786 / 00	Installation of prefabricated schools in Kounine - Caza of Bint Jbeil	w	53,727	HRelCom	Apr/2007
<b>Construct new schools (Bekaa)</b>					
1590 / 00	Bekaa Schools				
4765 / 00	Installation of prefabricated schools in Iaat - Caza of Baalbeck	w	83,959	HRelCom	Mar/2007
<b>Sector Totals</b>			<b>9,042,264</b>		

## Public Schools Projects Under Preparation





*Eddeh Jbeil Public School*



*Kalamoun Public School*

were submitted to CDR and the latter launched the relevant invitation to tender at the end of 2007. The relevant contract will be signed and the equipment will be delivered at the beginning of 2008. The furniture of these schools have already been purchased.

### **Vocational and Technical Education**

The value of contracts awarded to date in the vocational and technical education sector amount to about US\$ 124.8 million. The study of the labor market needs, prepared by MEHE, helped the ministry to identify the needs for building new technical and vocational schools and to develop a clear strategy for this sector.

### **Achievements to Date**

CDR supplied the necessary furniture and equipment for the offices of the Directorate General of Technical and Vocational Education (DGVTE) (previously a ministry) located in Starco building. It has also rehabilitated and supplied its offices in Dekwaneh with the necessary equipment and furniture.

***Rehabilitation and equipping of existing vocational and technical schools:*** The Lebanese

government has given this sector priority by securing a loan of US\$ 15 million from the World Bank to complete the rehabilitation works of all existing vocational and technical schools and institutes, and to provide them with the necessary furniture, equipment, and technical assistance services. A condensed training program for skilled workers and craftsmen was also implemented in the Construction and Industrial fields.

CDR also completed the construction works of Deir Al Kamar Hospitality School, and procured equipment and supplies for the laboratories of Bir Hassan and Dekwaneh technical and vocational schools.

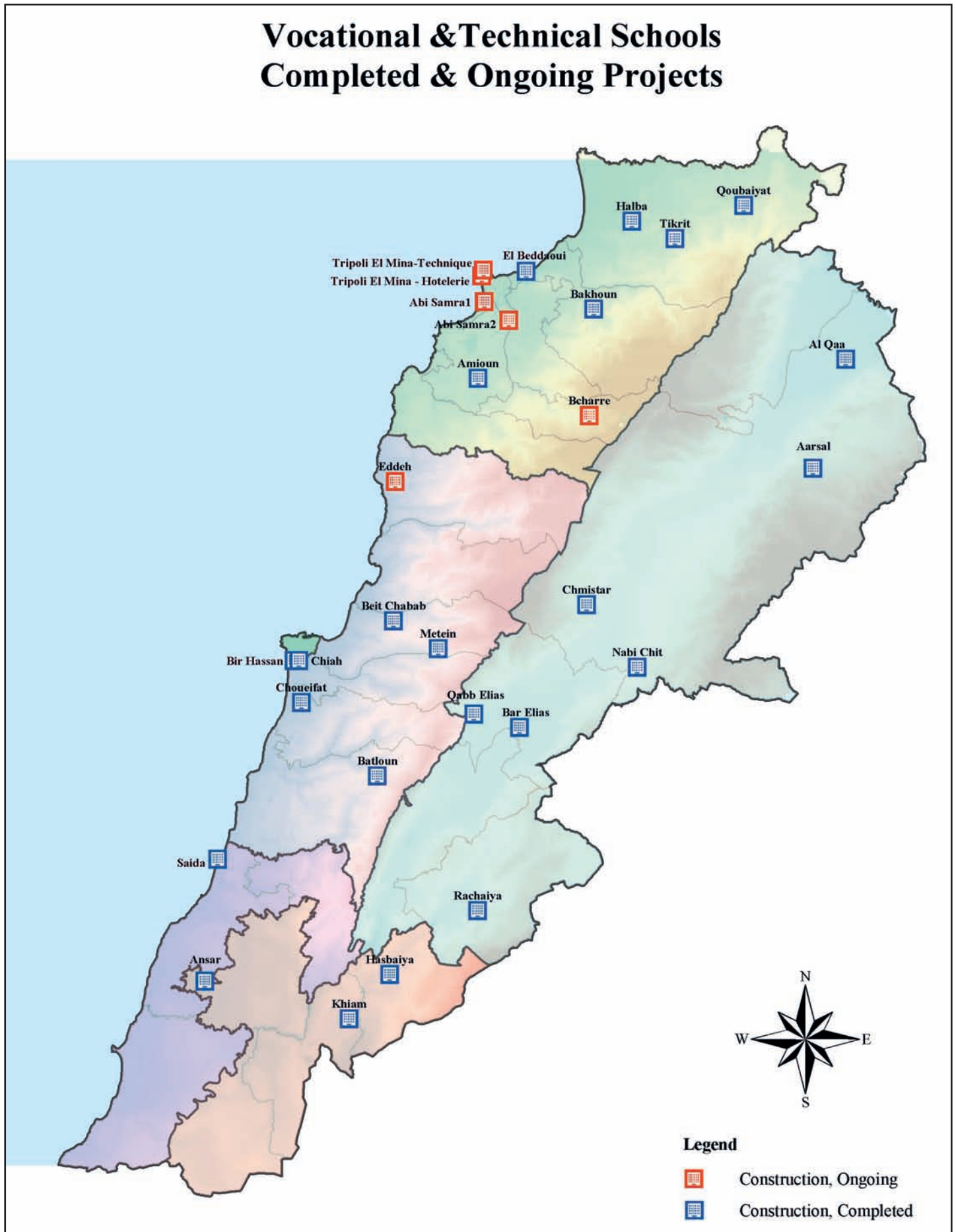
In addition, a French consultancy firm was commissioned to study the curricula and to develop the tender documents for procuring the necessary educational equipment needed for three pilot workshops specialized in industry, vehicles and maintenance of bio-medical instruments available at Bir Hassan and Dekwaneh schools. Purchase of all the equipment was financed under the French Protocol.

A Project Implementation Unit

(PIU) (funded by the World Bank) also assisted the ministry in modernizing the technical and vocational curricula.

CDR also rehabilitated existing technical and vocational schools and institutes in all regions through World Bank loan: Deir Al Kamar Higher Technical School, Ajaltoun Technical School, Hammana Higher Technical School, Tripoli Technical Institute, Zghorta and Deir Ammar Technical Institutes, Douma, Baalbeck and Hermel Technical schools, Zahle, Mashghara, Rashaya and Nabatieh Higher Technical Schools, Saida Technical School, Maria Aziz Technical Institute (Jezzine), Sour Technical Institute, Bint Jbeil Technical School, Arts and Crafts School (Dekwaneh), Technical Industrial Institute (Dekwaneh), Pedagogic Technical Institute (Dekwaneh), Hospitality Technical Institute (Dekwaneh), Technical Institute of Tourism (Dekwaneh), Bir Hassan Technical School, Pedagogic Technical Institute (Bir Hassan), Hospitality School (Bir Hassan) and Hospitality Technical Institute (Bir Hassan). Power generators were also purchased for all these schools, through the World Bank loan.

# Vocational & Technical Schools Completed & Ongoing Projects



## Vocational & Technical Education contracts awarded in 2007

	Contract amount (in USD)	External funding	Start Date
<b>Capital investment</b>	<b>9,045,570.8</b>		
<b>New VT schools: North Lebanon</b>			
1409 / 00 Al Mina (Tripoli)			
4807 / 00 Construction of Tripoli's hotel vocational institute Minaa	8,981,770	AFESD	Jul/2007
9256 / 00 TC for the const of Tripoli's hotel vocational institute in Minaa	24,168		Aug/2007
1411 / 00 Halba			
4735 / 00 Asphaltng road for Halba Technical School	29,733		Mar/2007
<b>New VT schools: South Lebanon</b>			
1530 / 00 Al Mtein			
4214 / 02 Technical Control for the Construction of Mtein vocational school	9,900		Mar/2007
<b>Sector Totals</b>	<b>9,045,571</b>		

## Culture & Higher Education contracts awarded in 2007

	Contract amount (in USD)	External funding	Start Date
<b>Capital investment</b>	<b>5,920,582.5</b>		
<b>Lebanese University</b>			
<b>1094 / 00 Rehab Lebanese University</b>			
8449 / 00 Sup of construction works for North Lebanese University Campus (Phase 1)	14,213		May/2007
4343 / 00 Construction of LU Campus, North Lebanon, Faculty of Sciences (Package 1)	490,742		May/2007
<b>1095 / 00 New Campus, Hadath</b>			
2051 / 00 Proc & inst of lab equip for the fac of eng at the LU Campus in Hadath	1,187,300	IDB	May/2007
4677 / 00 Proc & inst of lab equip for the fac of eng at the LU Campus in Hadath	558,796	IDB	Jan/2007
4678 / 00 Proc & inst of lab equip for the fac of eng at the LU Campus in Hadath	1,253,641	IDB	Jan/2007
4679 / 00 Proc & inst of lab equip for the faculty of eng at the LU Campus in Hadath	487,231	IDB	Jan/2007
4731 / 00 Proc & inst of lab equip for the fac of eng at the LU Campus in Hadath	961,997	IDB	Feb/2007
4793 / 00 Proc & inst of lab equip for the fac of eng at the LU Campus in Hadath	961,162	IDB	May/2007
9213 / 00 Eval & Update of TD for Equip - Lots 3&4 Faculty of Science LU	5,500		Apr/2007
9225 / 00 Sup for the supply of equip for the fac of sciences-LU hadath-Lots 1&2			Apr/2007
<b>Sector Totals</b>	<b>5,920,583</b>		

### Constructing and equipping new vocational and technical schools:

The construction works of Bir Hassan complex (20,000 m<sup>2</sup>), costing about US \$ 8.132 million, were financed by the Arab Fund for Economic and Social Development (AFESD). This complex encompasses the National Pedagogical Institute for

Technical Education (IPNET), the Nursing School and the Hospitality School.

After completing the needs assessment that identified the type of specializations needed in each region and the student capacity of every technical and vocational school, and upon the request of the

Ministry of Education, CDR prepared the designs of 36 vocational schools to be built and equipped at a later stage.

Between the summer of 2000 and the end of 2007, CDR had awarded contracts for the construction of 27 new technical schools, out of which 21 were completed and distributed among

the following regions:

Six (6) in Beka'a: Shmistar, El-Qa'a, Bar Elias, Nabi Sheet, Quob Elias and Rachaya technical schools

Five (5) in Mount Lebanon: Choueifat, Chiah, Beit Chabab, Mtein and Batloun technical schools

Seven (7) in the North: Baddawi, Qobayat, Amioun, Halba, Bakhoun Qualamoun and Tikrit technical schools.

Three (3) in the South and Nabatiyeh: Ansar, Saida and Khiyam technical schools.

The six remaining technical schools in the North are expected to be completed next year. These are: Al-Mina Hospitality Institute, Abi-Samra Technical Training Institute (2) – Zeitoun, Al-Mina Industrial Institute, Abi-Samra Technical School (1), Edde - Jbeil and Bcharri Technical Schools.

CDR completed the designs of a number of technical schools in Mishmish, Batroun, Zahle, Majdel Anjar, Jib Jannine, Deir al Ahmar, Aley and Sir Al Gharbieh.

CDR also procured the equipment of industrial workshops of 10 completed technical schools: Bir Hassan, Saida, Sour, Bednayel, Arsal, Shheem, Barja, Tibnine, Shmistar, Shoueifat, Beit Shabab, Quob Elias, Ansar, Saida – Dikerman and Kham schools. These were financed by IDB.

### Projects in Progress

**Construction Works:** The construction works contract related to Al Mina- Tripoli Hospitality Institute was awarded

in 2007, for a total amount exceeding US \$ 9 million, funded by AFESD, completion is expected at the end of next year.

### Projects under Preparation

**Construction of new technical schools:** One tender will be launched in 2008 for the construction works of Sir Al Gharbieh Vocational School which will be financed by Germany. In respect of Jib Jannine, Zahle and Majdal Anjar vocational schools, these may not be implemented due to technical reasons.

The Council also expects to launch the invitations to tender concerning the procurement of equipment needed by the completed vocational schools funded by AFESD, as soon as the required technical specifications are provided by the Ministry of Education, Directorate General of Vocational and Technical Education.

### 3. Higher Education

The total value of contracts awarded to date in the Higher Education sector is about US\$ 347.1 million. Future plans of the government include construction of new university buildings with modern specifications to replace the buildings currently leased by several faculties of the Lebanese University.

#### Achievements to Date

CDR completed the rehabilitation of the Faculty of Sciences at the Lebanese University in Hadath (May 1995) and Fanar (December 1996); the National Museum (August 1995); the Music Conservatoire in Beirut Central

District (BCD) and Achrafieh (November 1995), Sin el Fil (July 1995) and UNESCO Palace (January 1998). In addition, the Higher Institute of Technology at the Lebanese University and the Faculty of Engineering at Saint Joseph University were provided with the equipment and supplies needed.

### Projects in Progress

**Lebanese University Campus:** Construction works of eight faculty buildings together with the extension of the Faculty of Sciences building, the Industrial Research Center and annexes including various utility services were completed. The faculties are: Public Health, Medical Sciences, Fine Arts, Law and Political Sciences, Pharmacy, Journalism, Literature and Human Sciences and Faculty of Sciences annex.

This project was expected to be complete by the end of 2000. However, due to logistical obstacles, commencement of works on certain sites was delayed, leading to delay in finishing the works. Consequently, two contract amendments were signed with the contractor, the second of which set new completion schedules whereby the first section was expected to be handed over in August 2003, the second in April 2004 and the last in August 2004. The various sections were handed over on their scheduled dates.

Funding of the project was secured from the following sources: US\$ 38 million from IDB for the Faculties of Engineering, Medicine, Law and Political

## General education Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>						
<b>Construction of New Schools - Beirut</b>						
491	Construction of school no 2 & 21		w	4,592,000	KFAED	Dec/2008
493	Furniture & equipment for school no 2 & 21	Design Phase	w	753,600	KFAED	May/2010
494	Construction of school no 4		w	4,523,000	KFAED	Dec/2008
496	Furniture & equipment for school no 4	Design Phase	w	744,000	KFAED	Nov/2009
502	Furniture & equipment for school no 6	Design Phase	w	660,000	KFAED	Jan/2009
505	Furniture & equipment for school no 7	Design Phase	w	660,000	KFAED	Jan/2009
508	Furniture & equipment for school no 8	Design Phase	w	1,098,000	KFAED	Jan/2009
518	Construction of school no 13		w	6,100,000	KFAED	Dec/2008
520	Furniture & equipment for school no 13	Design Phase	w	945,600	KFAED	Feb/2010
523	Furniture & equipment for school no 14	Design Phase	w	772,800	KFAED	Jan/2009
529	Furniture & equipment for school no 24	Design Phase	w	432,000	KFAED	Jan/2009
535	Furniture & equipment for school no 26	Design Phase	w	364,861	KFAED	Jan/2009
541	Furniture & equipment for school no 28	Design Phase	w	278,400	KFAED	Feb/2009
1557	Construction of School n.28	Tendering Phase	w	9,000,000	KFAED	Dec/2008
548	Furniture & equipment for school no 31 Chyah	Design Phase	w	663,650	KFAED	Oct/2008
<b>Construction of New Schools - North Lebanon</b>						
553	Procurement of furniture and equipment - Meshmesh School	Design Phase	w	494,435	SAUDI	Jan/2008
554	Procurement of furniture and equipment - Rama- Wadi Khaled School	Design Phase	w	456,314	SAUDI	Jan/2009
1445	Construction of El-Tall School	Design Phase	w	4,000,000	SAUDI	Aug/2008
1463	Purchase of Furniture & Equipment to JDouma schoo	Design Phase	w	394,993	SAUDI	Jan/2009
1464	Purchase of Furniture & Equipment to Bziza schoo	Design Phase	w	394,993	SAUDI	Jan/2009
1465	Purchase of Furniture & Equipment to Kalamoun schoo	Design Phase	w	734,539	SAUDI	Oct/2008
1466	Purchase of Furniture & Equipment to Bakhoun schoo	Design Phase	w	465,261	SAUDI	Jan/2009
<b>Construction of New Schools - Mount Lebanon</b>						
579	Procurement of furniture and equipment - Hsarat School	Design Phase	w	416,150	SAUDI	Jan/2009
581	Procurement of furniture and equipment- Amroussieh School	Design Phase	w	791,103	SAUDI	Jan/2009
583	Procurement of furniture and equipment - Batir School	Design Phase	w	416,150	SAUDI	Oct/2008
585	Procurement of furniture and equipment - Baakline School	Design Phase	w	456,314	SAUDI	Oct/2008
587	Procurement of furniture and equipment - Kferzebian School	Design Phase	w	393,004	SAUDI	Jan/2009
590	Procurement of furniture and equipment - A itat School	Design Phase	w	393,004	SAUDI	Jan/2009
1442	Construction of Bourj el Barajneh school (secondary)	Design Phase	w	3,300,000	SAUDI	Nov/2008
1443	Construction of ghbeiry school (secondary)	Design Phase	w	3,600,000	SAUDI	Nov/2008
1446	Construction of chiyah school (secondary)	Design Phase	w	2,000,000	KUWAIT	Nov/2008
1447	Construction of Haret Hreyk school (secondary)	Design Phase	w	2,000,000	KUWAIT	Nov/2008
1461	Purchase of Furniture & Equipment to Baskinta school	Design Phase	w	733,651	SAUDI	Jan/2009
1467	Purchase of Furniture & Equipment to Abbadiye school	Design Phase	w	734,539	SAUDI	Oct/2008
1468	Purchase of Furniture & Equipment to Ajaltoun school	Design Phase	w	423,616	SAUDI	Jan/2009
1469	Purchase of Furniture & Equipment to Deir El Kamar school	Design Phase	w	414,900	SAUDI	Oct/2008
1470	Purchase of Furniture & Equipment to Yanta school	Design Phase	w	394,993	SAUDI	Oct/2008
1558	Construction of Chiyah school (secondary)	Design Phase	w	1,000,000	KUWAIT	Nov/2008
<b>Construction of New Schools - South and Nabatiyeh</b>						
628	Procurement of furniture and equipment - Ain Majdeline School	Project identification	w	172,000	IDB	Jul/2009
1344	Construction of Ain Majdleen Public Primary School.	Tendering Phase	w	1,647,935	IDB	Jun/2008
1473	Construction of Tebnin School	Design Phase	w	2,167,000	KOREA	Feb/2008
1474	Purchase of Furniture & Equipment to Tibnin school	Design Phase	w	747,978	KOREA	Oct/2008
<b>Construction of New Schools - Bekaa</b>						
629	Construction works - Tannoura School	Design Phase	w	1,373,444	IDB	May/2008
631	Procurement of furniture and equipment - Tannoura School	Design Phase	w	103,000	IDB	Feb/2009
632	Construction works - Mansoura School	Design Phase	w	1,490,000	IDB	May/2008
634	Procurement of furniture and equipment - Al-Mansoura School	Design Phase	w	172,000	IDB	Feb/2009
635	Construction works - Saghbeen School	Design Phase	w	1,049,867	IDB	May/2008

## General education Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
637	Procurement of furniture and equipment - Saghbeen School	Design Phase	w	179,000	IDB	Feb/2009
638	Construction works - Bkifa School	Design Phase	w	1,346,000	IDB	Jan/2008
640	Procurement of furniture and equipment - Bkifa School	Design Phase	w	172,000	IDB	Jul/2008
641	Construction works - Rafid School	Design Phase	w	1,158,100	IDB	Jan/2008
643	Procurement of furniture and equipment - Rafid School	Design Phase	w	103,000	IDB	Jul/2008
644	Construction works - Kamed el Louz School	Design Phase	w	1,259,849	IDB	Jul/2008
646	Procurement of furniture and equipment - Kamed el-Louz School	Design Phase	w	179,000	IDB	Jul/2008
647	Construction works - Rachaya School	Design Phase	w	1,972,866	IDB	May/2008
649	Procurement of furniture and equipment - Rashaya School	Design Phase	w	272,000	IDB	Jul/2008
651	Procurement of furniture and equipment - Deir al Ahmar School	Design Phase	w	674,229	SAUDI	Jan/2009
653	Procurement of furniture and equipment - Shmistar School	Design Phase	w	919,312	SAUDI	Oct/2008
655	Procurement of furniture and equipment - Qa'a al-Reem School	Design Phase	w	456,314	SAUDI	Oct/2008
657	Procurement of furniture and equipment - Hermel School	Design Phase	w	1,325,237	SAUDI	Oct/2008
1471	Purchase of Furniture & Equipment to Baalbeck school	Design Phase	w	886,940	SAUDI	Jan/2008
1472	Purchase of Furniture & Equipment to Nabi Chit School	Design Phase	w	734,539	SAUDI	Oct/2008
<b>Equipments for public schools</b>						
1381	Purchase of Equipment to Bebnine, Kfarhabo, Sir, Anfeh :in the North. Khalde , Baysour, Ashkout, Yahshoush:in Lebanon Mount. Ali Nahri, Kob Elias, Boodai : in the Bekaa.	Design Phase	w	2,750,000	IBRD	Aug/2008
1490	Purchase of Equipment to Bebnine, Kfarhabo, Sir, Anfeh :in the North. Khalde , Baysour, Ashkout, Yahshoush:in Lebanon Mount. Ali Nahri, Kob Elias, Boodai : in the Bekaa.	Design Phase	w	350,000	IBRD	Aug/2008
1448	Construction of 3 schools in various regions	Design Phase	w	5,000,000	IDB	Oct/2009
<b>Sector Totals</b>				<b>84,657,480</b>		

Sciences; US\$ 15 million for certain electrical and mechanical works at the university campus and US \$ 6 million for procurement of laboratory equipment for the Faculty of Engineering. An additional amount of US\$ 100 million was provided by AFESD to finance partially various remaining sections of the project.

After completing the Faculty of Engineering in the summer of 2004, CDR prepared the tender documents relevant to the procurement of necessary laboratory supplies and equipment. The invitation to tender was launched in 2005, but the contract was not awarded until the last quarter of 2006 due to the Israeli war and amendment of contract terms. The contract will be signed and the equipment will be delivered in 2007.

Accordingly, all buildings and

facilities of the Hadath University Campus have been completed except the external works

In the context of this project, a 3-year contract was awarded for the operation and maintenance of the Hadath University Campus, at a total cost of US \$ 26.4 million. CDR also commissioned a firm to supervise these operation and maintenance services.

**The Lebanese University:** CDR prepared the tender documents for the procurement of equipment needed by laboratories of the Faculty of Sciences. Following ratification of the IDB loan agreement for funding this project (US \$ 5 million), CDR issued the invitation to tender in 2006. Part of this equipment has been purchased, and the invitation to tender for the remaining part was re-launched in 2007.

CDR also procured the computers

and relevant hardware and software for the student sections at the faculties and schools of the Lebanese University which were funded by a grant from AFSED.

**Lebanese University Campus in the North:** After preparing the feasibility study and preliminary designs for a unified university campus in North Lebanon, in coordination with a team of professors from the Lebanese University, and based on the decision of the Council of Ministers, CDR commissioned in April 2005, a consultancy firm, to prepare the detailed designs, tender documents, land expropriation documents if necessary, construction permits, geotechnical investigations and topographical survey needed for the project. The tasks of the consultant also included providing technical assistance to CDR during evaluation of the tender offers. The contract

documents for the Faculty of Sciences were submitted to CDR in August 2006; those related to the Faculties of Engineering and Fine Arts were submitted in November 2006; and the contract documents for the remaining buildings of the University Campus were submitted in January 2007.

CDR also commissioned another consultant to perform the Safety and Solidity Mission of the project. The Lebanese University Campus project in the North includes the construction of eight faculties: Faculty of Sciences, Faculty of Social Sciences, Faculty of Law and Political Sciences, Faculty of Economics and Business Administration, Faculty of Arts,

Faculty of Engineering, in addition to Central Library, Conference Center, Guest House, Administration Building, Central Car Park, Southern Car Park and Sports Complex.

Two financial agreements (US \$ 42 million), were signed with IDB on April 30, 2006 to finance the construction and equipment of the Engineering and Fine Arts Faculties. However, these agreements have not been ratified yet by the Lebanese parliament. SFD will also contribute with US\$ 15 million for the construction of the Faculty of Sciences.

CDR awarded the contract related to construction of the first phase of the unified university campus in the

north, including demolishing, excavation and infrastructural works.

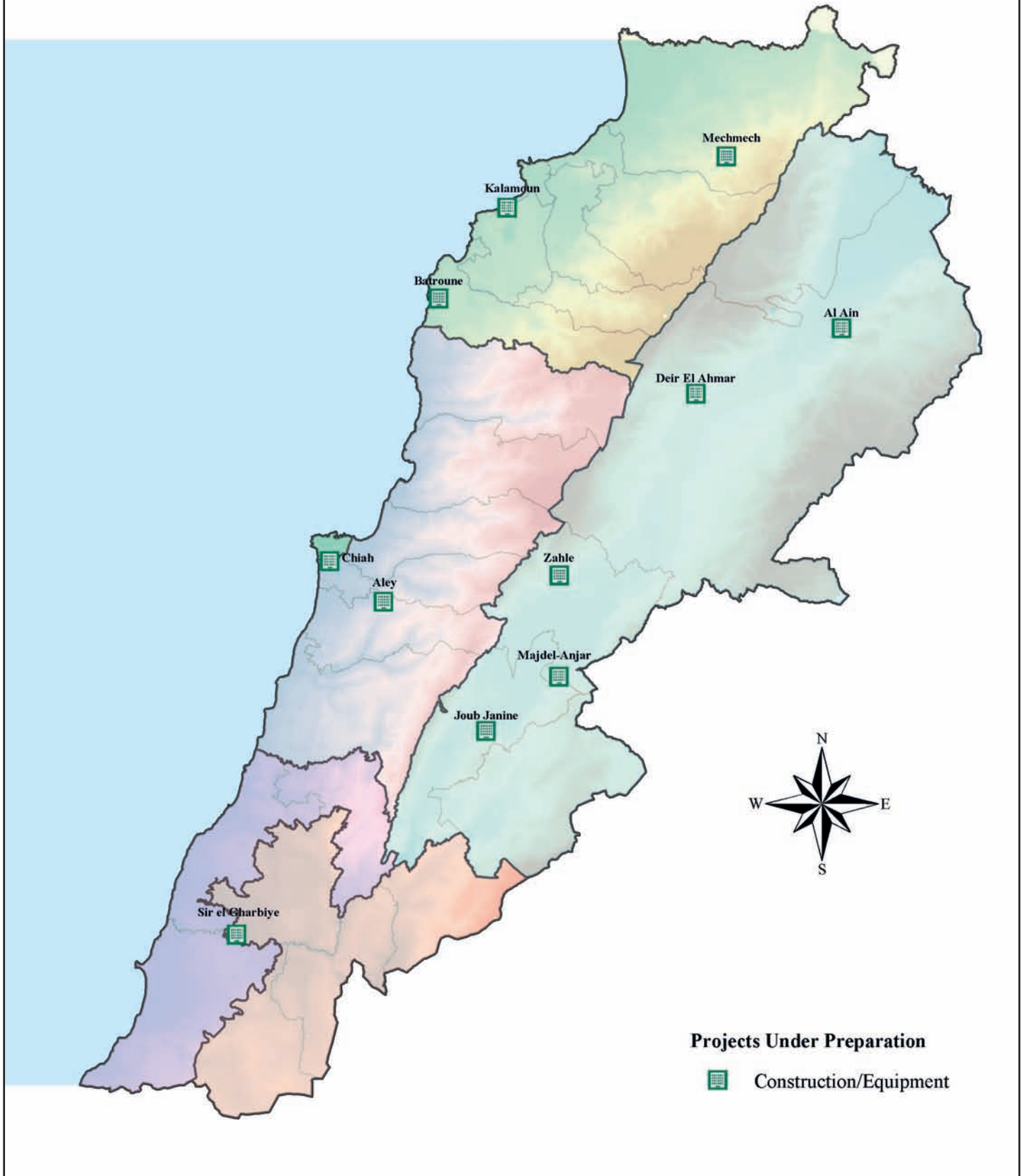
### *Projects under preparation Unified University Campus in the North:*

CDR will award soon the construction works of the Faculty of Sciences, funded by SFD grant. It will also launch the invitation to tender for the works of the faculties of Engineering and Fine Arts, following ratification of the funding agreement by the Lebanese parliament and promulgation of the relevant law. CDR will launch progressively, and in phases, the invitations to tender for the remaining buildings of the project, depending on the availability of funds.

## Vocational & technical education Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>						
<b>Construction , Equipping of new schools-North Lebanon</b>						
<b>746</b>	Equipping Bcharre and Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>749</b>	Equipping Qobayat and Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>751</b>	Equipping Bebnin and Technical School	Project identification	w	800,000	Local	Feb/2009
<b>755</b>	Equipping Batroun Technical School	Project identification	w	800,000	Local	Feb/2009
<b>764</b>	Equipping of Amioun Technical School	Project identification	w	800,000	Local	Feb/2009
<b>1089</b>	Equipping of Beddawi Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>1093</b>	Equipping the high technical school _ Abu Samra (1), Zeitoun, Tripoli	Project identification	w	800,000	AFESD	Feb/2009
<b>1139</b>	Equipping Technical Training Institute in Abu Samra(2) Zeitoun, Tripoli	Project identification	w	800,000	AFESD	Feb/2008
<b>Construction , Equipping of new schools-Mount Lebanon</b>						
<b>776</b>	Construction of Aley Technical School	Project identification	w	1,000,000	Local	Nov/2008
<b>778</b>	Equipping Beit Chabab Technical School	Project identification	w	800,000	Local	Feb/2009
<b>779</b>	Equipping Chweifat Technical School	Project identification	w	800,000	Local	Feb/2009
<b>780</b>	Equipping Aley Technical School	Project identification	w	800,000	Local	Feb/2009
<b>785</b>	Equipping of Batloun Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>786</b>	Equipping of Mtein Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>787</b>	Equipping of Edde_Jbeil Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>Construction , Equipping of new schools-Alnabatieh</b>						
<b>811</b>	Construction of West Syr Technical School	Design Phase	w	832,200	GERMANY	Nov/2007
<b>814</b>	Equipping Ansar Technical School	Project identification	w	800,000	Local	Feb/2009
<b>815</b>	Equipping West Syr Technical School	Project identification	w	800,000	Local	Feb/2009
<b>Construction , Equipping of new schools-Bekaa</b>						
<b>843</b>	Equipping Qob Elias Technical School	Project identification	w	800,000	Local	Feb/2009
<b>849</b>	Equipping al-Qa'a Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>851</b>	Equipping Nabi Sheet Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>852</b>	Construction of Deir al-Ahmar Technical School	Design Phase	w	1,000,000	AFESD	Nov/2008
<b>853</b>	Equipping Deir al-Ahmar Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>855</b>	Equipping of Bar Elias Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>856</b>	Construction of Zahleh Technical School	Design Phase	w	1,000,000	AFESD	Nov/2008
<b>857</b>	Equipping Zahleh Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>859</b>	Equipping Akaba- Rachaya Technical School	Project identification	w	800,000	AFESD	Feb/2009
<b>Sector Totals</b>				<b>22,232,200</b>		

### Vocational & Technical Schools Projects Under Preparation



**Higher education Contracts in preparation (Cont'd)**

				Progress Status	Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>							
<b>Lebanese University</b>							
<b>478</b>	Unified University Campus - the North		Project identification	w	125,665,840	SFD IDB	Nov/2008
<b>Sector Totals</b>					<b>125,665,840</b>		

**Youth & Sports Sector overview**

		Total		completed		in progress	
		*No	Amount	*No	Amount	*No	Amount prog
<b>Capital investment</b>		<b>36</b>	<b>145.6</b>	<b>34</b>	<b>133.1</b>	<b>2</b>	<b>12.5 57%</b>
<b>Rehab./construction of sports facilities</b>							
1091 / 00	Beirut Sports City	c 4	5.9	4	5.9		
1091 / 00		w 7	73.3	7	73.3		
1364 / 00	Sports clubs and facilities	w 1	11.6			1	11.6 60%
1493 / 00	Construction of Sports facilities for Asia Cup 2000	c 10	5.1	9	5.0	1	0.1 90%
1493 / 00		w 5	9.5	5	9.5		
1493 / 01	Tripoli Stadium	c 2	1.1	2	1.1		
1493 / 01		w 4	16.9	4	16.9		
1493 / 02	Saida Stadium	w 3	22.1	3	21.3		0.7
<b>Sector Totals</b>		<b>36</b>	<b>145.6</b>	<b>34</b>	<b>133.1</b>	<b>2</b>	<b>12.5 57%</b>

**Sports facilities Contracts in preparation (Cont'd)**

				Progress Status	Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>							
<b>1022</b>	Implementation of Mina sports hall project.		Design Phase	w	2,590,000	SAUDI	Jul/2008
<b>1025</b>	Construction of Sin el-fil stadium		Project identification	w	4,000,000	Local	Jun/2008
<b>1070</b>	Rehab. of Jounieh Sport Stadium		Project identification	w	1,350,000	Local	Aug/2008
<b>1071</b>	Rehab. of Bourj Hammoud Sport Stadium		Project identification	w	1,350,000	Local	Oct/2008
<b>1072</b>	Rehab.of Bhamdooun Sport Stadium		Project identification	w	1,000,000	Local	Aug/2008
<b>1073</b>	Completion of Aley Sport Stadium		Project identification	w	1,000,000	Local	Nov/2008
<b>1074</b>	Completion of Ansar Sport Stadium		Project identification	w	2,000,000	Local	Dec/2007
<b>1075</b>	Construction of Zahleh Sport Stadium		Project identification	w	2,000,000	Local	Jul/2007
<b>Sector Totals</b>					<b>15,290,000</b>		



# Public Health

A number of contracts, totaling about US\$ 282 million, have been awarded for health studies and works in the public health sector. Following its reconstruction efforts in establishing new hospitals and health centers, the future policy of the government aims at developing a general health policy that ensures adequate health services to people in all regions. Work is focused on initiating vital studies that will support and reinforce the administrative capacity of the Ministry of Public Health (MoH), with special emphasis on primary health care and rationalizing of increasing health expenditures.

## Achievements to Date

*Health sector policy studies and technical assistance:* Several significant studies dealing with health policy have been completed, including two main studies that were conducted in 1998: The first covered the “Establishment of the Carte Sanitaire System”, while the second analyzed “Health Infrastructure Management Systems”. Two other projects dealing mainly with providing technical assistance to MoH were completed in 1998, both of which were financed by Italy in the form of a grant amounting to 67,000 euro.

Other health studies, financed by the World Bank within the framework of the Health Sector

Rehabilitation project, have been completed, namely:

- \* Setting the medical protocol related to most surgical procedures paid by MoH in private and public hospitals.
- \* Hospital accreditation study (Phases I and II) for the classification of hospitals in Lebanon, based on standards and norms set by MoH.
- \* Hospital autonomy study (Phase 1), covering the formation of autonomous management boards for public hospitals. This relatively new law is implemented at the financial and administrative levels in all new hospitals
- \* Health system reform study: Commissioned by CDR, the World Health Organization (WHO) conducted a study pertaining to the reform of the health sector financing system and National Health Accounts. This study was completed at the end of 2003.

Institutional strengthening of MoH was carried out as part of the World Bank Health Sector Reform Project. This project provided technical assistance to the Ministry in the fields of planning and policy making, in order to improve the health care system to be adopted by the Ministry.

*Health care centers:* Twenty eight (28) new health care centers were constructed and completed in all

regions of the country, including:

- Eight (8) health centers, financed in the form of a grant by the Kuwaiti government, in Aرسال, Deir al Ahmar, Chmistar, Nabi Chit, Qartaba, Bar Elias, Akkar el Atika and Hammana.

- Eight (8) health centers, financed in the form of a US\$ 7 million grant by Prince Al Walid Bin Talal, in Saksakieh, Beirut/Ras el Nabaa, Tripoli/ Bab el Tabbaneh, Hrajel, Jbaa, Barouk, Zahle/Terbol and Khiam.

- Eight (8) health centers were rehabilitated and equipped under the Health Sector Rehabilitation Project (World Bank loan) in Halba, Zahrieh, Beit Eddine, Zahle, Beirut, Choueifat, Saida and Nabatieh

- Three (3) health centers in Ehden, Minieh and Bcharre were rehabilitated through local financing; the supply of necessary equipment was funded partially by the Italian government.

Hrajel Medical Center: Works of this health center were completed through a grant provided by Prince Walid Bin Talal, under supervision of CEGP. Installation of equipment, financed locally, was finalized at the beginning of 2005, under supervision of CDR.

*Hospitals:* Eight (8) new hospitals of various capacities were completed in several regions, including: Works of Beirut Governmental University Hospital (BGUH) were completed (540 beds); four (4) new public hospitals now in actual operation in the following regions: Nabatieh (75 beds), Tannourine (40 beds),

Rachayya (40 beds) and Seer al Dinnieh (40 beds)

Rehabilitation of Tibnine Government Hospital (75 beds), which started in the second half of 2001, has been completed through a grant provided by Saudi Arabia.

Rehabilitation and expansion works of Jezzine hospital (40 beds) have been completed (phase I) through local financing.

Procurement of medical equipment and furniture for Hasbia Hospital (40 beds), financed by IDB. The hospital was put in actual operation at the end of 2005.

Construction works of three (3) new public hospitals have also been completed: Halba hospital (75 beds), financed by OPEC Fund for Development; and Sibling (75 beds) and Hermel hospitals (75 beds), financed by the SFD. Procurement of medical equipment for these hospitals was funded by IDB.

Expansion and rehabilitation works of four (4) governmental hospitals have been completed within the health sector rehabilitation project, which is partially financed by the World Bank. These are: Tripoli, Baalbek, Dahr el Bachek and Shahar el Gharbi hospitals. Works started at the beginning of 2001 and the basic rehabilitation was completed by the end of 2002. The four hospitals were fully equipped, furnished and put in service at the end of 2004.

Beirut Governmental University

Hospital (BGUH) (540 beds):

Procurement of complementary equipment for BGUH was completed at the end 2006. On the other hand, procurement and installation of basic medical equipment were funded by IDB, while the construction works were funded in the form of two loans from IDB and SFD, and a grant from Saudi Arabia.

Procurement and installation of medical equipment for Marjeyoun Hospital, funded by IDB, started in June 2005 and ended in October 2006.

### Projects in Progress

The National Nursing Education Program, financed in the form of a grant by Italy, is currently under execution. The project aims at upgrading the nursing sector in Lebanon. It encompasses: training, legislation and establishment of a nursing syndicate in Lebanon.

A "Health Policy and Research Unit" was established within the Office of the Minister of Public Health, financed in the form of a grant provided by the Italian government. This project aims at enhancing the Ministry's technical capability in the identification and implementation of appropriate strategies for health reform in Lebanon.

In mid-2004, the integrated program of health performance in South Lebanon and the program for reform of primary health services were initiated through a

grant provided by the Italian government. These two projects aim at improving the effectiveness of the MoH budget by directing financial resources towards primary health care and adopting alternative services, instead of concentrating on secondary health care.

*Hospitals:* Work is progressing on the construction, expansion, rehabilitation and equipment of several hospitals in various regions, as follows:

**Zahlé Hospital:** (125 beds): Phase I and Phase II of the works for Zahlé Hospital were finalized through a grant provided by the Kingdom of Saudi Arabia and IDB. Procurement and installation of basic equipment, financed by IDB, were also finalized and the hospital was handed over. Some minor works related to the air-conditioning system are expected to be complete in June 2008.

**Saida Hospital** (125 beds): Phase I and Phase II of the works for Saida Hospital were finalized through a grant provided by the Kingdom of Saudi Arabia and IDB. Procurement and installation of medical equipment were completed and the hospital was put in operation. Some minor electrical works related to the air-conditioning system are expected to be complete in October 2008.

**Kesrwan/Bouar hospital** (75 beds): Works, which started in October 1999 and financed by OPEC Development Fund, have been completed. Installation of first lot of equipment is expected to start in June 2008 and end in

December 2008.

**Baabda hospital** (125 beds): Rehabilitation works, financed by the Lebanese government, started in January 2003. However these works were suspended as a result of revocation of the contract and CDR is about to re-contract the remaining works which will be financed by Italy in the form of a grant. The medical equipment, financed by France, will be installed as soon as the rehabilitation works are finalized.

**Finalization of Phase II of Jezzine Governmental Hospital** (40 beds): After updating the relevant study by CDR, works on Jezzine Hospital started in February 2006, and they are expected to end in March 2008. Procurement and installation of equipment are expected to start in July 2008 and end in July 2009.

**Labweh Health Center:** Works of above Health Center were completed at the end of September 2007. Procurement and installation of equipment are expected to start in August 2008 and end in December 2008.

**Rehabilitation of Chebaa and kheyam Health Centers and construction and equipment of Rmeich Health Center.** Works started at the end of 2005 and ended in September 2007. Procurement and installation of equipment are expected to start in August 2008 and end in December 2008.

### **Projects under Preparation**

Implementation of the second

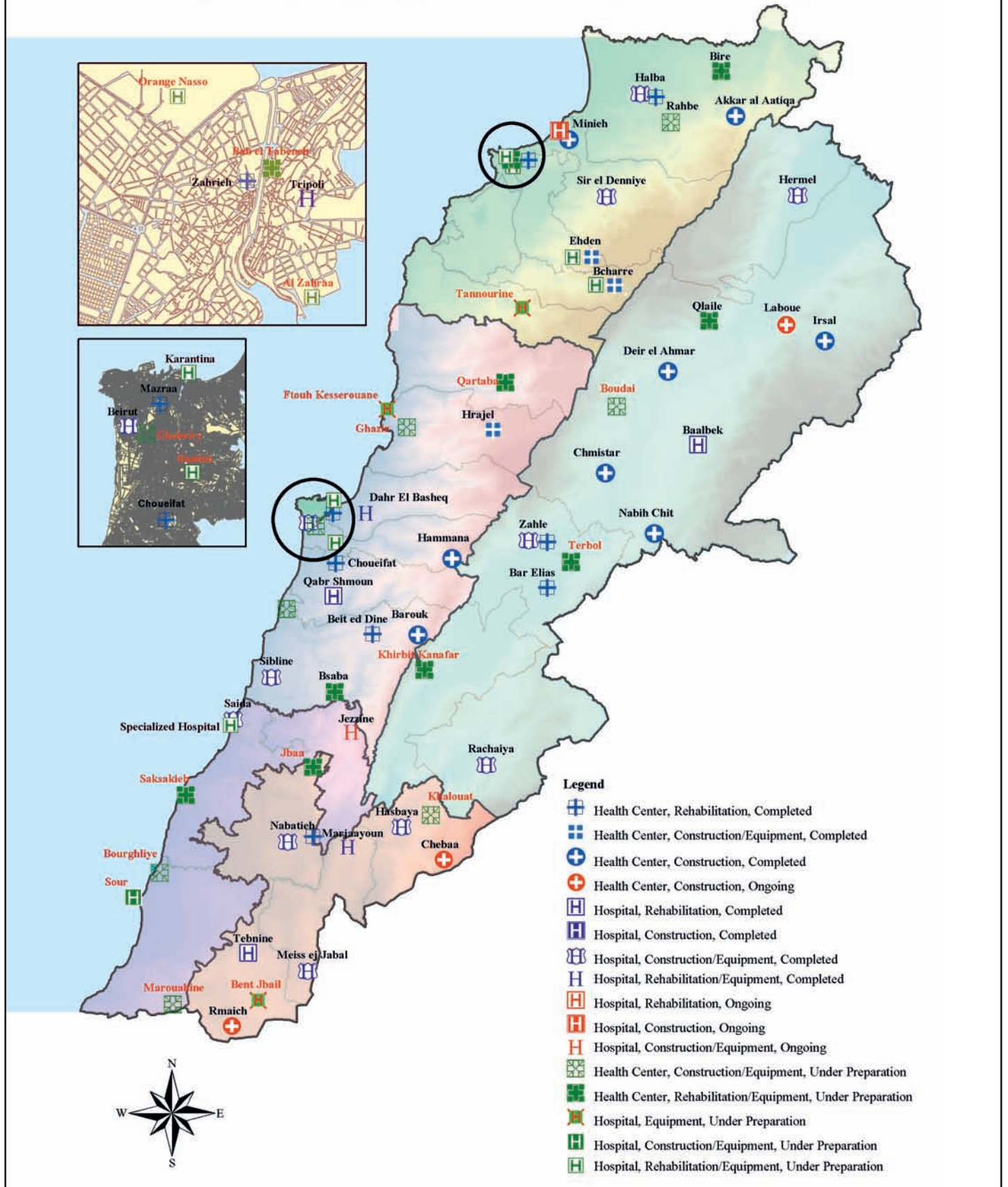
phase of the national nursing training program started at the end of 2007 and the required funding was secured from a grant provided by the Italian government. The project covers a study for developing institutional activities through the training of nurses and establishment of a national nursing authority.

**Rehabilitation of Quarantina hospital** to convert it to a specialized Child Care Hospital, according to the decision taken by MoH. Works are expected to start in June 2009 and end in December 2010. Procurement and installation of equipment are expected to start in December 2010 and end in July 2011.

**Baabda hospital** (125 beds): Rehabilitation works, financed locally, started in January 2003. However these works were suspended as a result of revocation of the contract and CDR is about to re-award the remaining works, which will be financed in the form of a grant provided by Italy. These are expected to start in May 2008 and end in December 2009. The medical equipment, procured through French financing, will be installed as soon as rehabilitation works are finalized.

**Equipment of Tibnine Governmental Hospital** (75 beds): The relevant medical equipment contract was awarded to the winning bidder. However the hospital was damaged during the Israeli war and it still needs rehabilitation work, which will be handled by CDR in 2008. The relevant tender documents,

## Public Health Completed, Ongoing & Under Preparation Projects



## Public health Sector overview

		Total		completed		in progress		prog
		*No	Amount	*No	Amount	*No	Amount	
<b>Technical assistance</b>		<b>105</b>	<b>15.3</b>	<b>102</b>	<b>14.2</b>	<b>3</b>	<b>1.2</b>	<b>10%</b>
Institutional development								
1139 / 00	Institutional strengthening: Ministry of Health	c	8	6.2	8	6.2		
1139 / 00		w	13	0.3	13	0.3		
1380 / 00	Essential administrative and management functions	c	2	1.4	2	1.4		
1383 / 00	Project Coordination Unit	c	16	1.1	16	1.1		
1383 / 00		w	4	0.6	4	0.6		
1384 / 00	Technical assistance and training	c	41	1.2	41	1.2		
1384 / 00		w	2	0.1	2	0.1		
1539 / 00	Technical Assistance for Ministry of Health	c	6	3.5	5	2.4	1	1.1
	Programme for nurse training							
1498 / 00	Continuing Education Program for Nurses	c	13	0.8	11	0.8	2	0.1
<b>Capital investment</b>			<b>186</b>	<b>263.2</b>	<b>163</b>	<b>244.4</b>	<b>23</b>	<b>18.8</b>
Public hospitals: Beirut								
1097 / 00	Qarantina hospital rehab	c	2	0.1	2	0.1		
1097 / 00		w	1	0.1	1	0.1		
1115 / 00	Beirut University Hospital	c	1	0.1	1	0.1		
1115 / 00		c	15	8.1	13	7.9	2	0.2
1115 / 00		w	25	120.8	23	114.6	2	6.2
Public hospitals: North								
1102 / 00	Tripoli hospital rehab	w	1	6.0	1	6.0		
1103 / 00	Orange Nassau hospital rehab	c	1	0.1			1	0.1
1104 / 00	Halba hospital	c	5	0.5	4	0.5	1	
1104 / 00		w	3	10.0	3	10.0		
1369 / 00	Provision of new hospital at Tripoli	w	2	0.1	2	0.1		
Public hospitals: Mount Lebanon								
1098 / 00	Dahr al Bashek hospital rehab	w	3	2.8	3	2.8		
1099 / 00	Baabda hospital rehab	c	3	0.2	3	0.2		
1099 / 00		w	3	7.1	3	7.1		
1100 / 00	Shahar al Gharbi hospital rehab	w	1	2.9	1	2.9		
1101 / 00	Sibline hospital	c	2	0.9	2	0.9		
1101 / 00		w	6	11.0	6	11.0		
1376 / 00	Provision of new Kesrouan Hospital	c	5	0.5	4	0.4	1	0.1
1376 / 00		w	2	5.8	2	5.8		
Public hospitals: Bekaa								
1106 / 00	Baalbek hospital rehab	w	1	2.4	1	2.4		
1108 / 00	Construction of New Hermel hospital	c	4	0.9	4	0.9		
1108 / 00		w	4	10.8	4	10.8		
1367 / 00	Provision of new hospital at Zahle	c	6	2.3	3	2.1	3	0.2
1367 / 00		w	3	20.6	2	16.6	1	4.0
Public hospitals: South								
1111 / 00	Tibnine hospital rehab.	c	5	0.5	4	0.5	1	
1111 / 00		w	1	2.2	1	2.2		
1112 / 00	Jezzine hospital rehab	c	3	0.1	3	0.1		
1112 / 00		w	2	3.2	1	0.5	1	2.7
1113 / 00	Marjeyoun hospital rehab	c	1		1			
1113 / 00		w	1	1.7	1	1.7		

## Public health Sector overview (cont'd)

		Total		completed		in progress			
		*No	Amount	*No	Amount	*No	Amount	prog	
1329 / 00	New Hasbaya Hospital	c	1						
1329 / 00		w	3	2.2	3	2.2			
1368 / 00	Provision of new public hospital at Saida	c	4	2.2	3	2.0	1	0.1	
1368 / 00		w	3	19.4	2	16.4	1	3.0	
1390 / 00	Rehab of Bint Jbeil Government Hospital	c	1	0.1	1	0.1			
<b>Public hospitals: General</b>									
1141 / 00	Construction of new hospitals and health centers (Kuwait	c	1		1				
1385 / 00	Equip for Baalbeck-Shahar-Dahar El-Bachek-Tripoli hos	c	4	1.1	4	1.1			
1385 / 00		w	21	10.6	21	10.6			
1572 / 00	General Health Projects - Hospitals	c	5	0.3	3	0.1	2	0.1	
1572 / 00		w	1	0.3	1	0.3		36%	
<b>Medical/health centres: Beirut</b>									
1118 / 00	Beirut Central dispensary rehab	w	1		1				
<b>Medical/health centres: North</b>									
1126 / 00	Minieh health centre	c	1		1				
1127 / 00	Bcharre health center	c	1		1				
1127 / 00		w	1		1				
1129 / 00	Casa health centres & dispensaries rehab	w	2	0.2	2	0.2			
1481 / 00	Ehden health centre	w	1	0.4	1	0.4			
<b>Medical/health centres: Mt Lebanon</b>									
1597 / 00	Hrajel Health Center	w	1	0.1	1	0.1			
<b>Medical/health centres: Bekaa</b>									
1132 / 00	Bar Elias health centre	w	1	0.2	1	0.2			
1480 / 00	Laboue health centre	c	2		1		1	0.6	
1480 / 00		w	1	0.6			1	0.6	
<b>Medical/health centres: South</b>									
1568 / 00	Rmeich Health Center	c	2	0.1	1		1	0.1	
1568 / 00		w	1	0.7			1	0.7	
1569 / 00	Chebaa Health Center	w	1	0.4			1	0.4	
<b>Medical/health centres: General</b>									
1328 / 00	Seven new health centres (Prince Walid)	w	3	0.8	3	0.8			
1377 / 00	8 public health centers: rehabilitation	w	4	0.5	4	0.5			
1379 / 00	Equipment for 28 health centres	w	2	0.4	2	0.4			
1453 / 00	Italian Protocol Facilities in Health Sector	c	1	0.2	1	0.2			
1453 / 00		w	1	0.1	1	0.1			
1573 / 00	General Health Projects	c	2	0.3	1		1	0.2	
<b>General investment</b>									
1499 / 00	Setting up of the drug quality control laboratory	c	1	0.4	1	0.4			
<b>Operation and maintenance</b>			<b>1</b>	<b>3.6</b>	<b>1</b>	<b>3.6</b>			
<b>Provision of medicine</b>									
1432 / 00	Provision of medicine	w	1	3.6	1	3.6			
<b>Sector Totals</b>			<b>292</b>	<b>282.1</b>	<b>266</b>	<b>262.2</b>	<b>26</b>	<b>19.9</b>	<b>73%</b>

financed in the form of a grant provided by Belgium, are complete and work is expected to start in May 2008 and end in September 2008. Procurement and installation of equipment, financed by IDB, are expected to start in March 2008 and end in November 2008.

The tender related to the procurement of medical equipment for Bint Jbeil Governmental Hospital, financed by IDB, was cancelled because Qatar pledged to implement this project. The equipment operation is expected to start in April 2008 and end in March 2008.

Equipment of Terbol, Barouk, and Bab el Tabbaneh medical centers: CDR is currently seeking to secure funding to procure and install the necessary medical equipment ,after completing the construction works by CEGP that was merged in CDR.

KFAED is financing the rehabilitation works and procurement of additional equipment for the hospitals and health centers already financed by it, including Nabatieh, Rachaya, Tannourine, Seer el Danniye and Meis al Jabal. KFAED is also studying the possibility of constructing and equipping Rahbeh health center.

*Bcharreh Hospital:* CDR has already awarded the rehabilitation works and procurement of equipment for Bcharreh hospital, which will be financed in the form of a grant provided by the Kingdom of Saudi Arabia. The

rehabilitation works and procurement of equipment are expected to start in May 2008 and end in February 2009.

Orange - Nassau hospital: CDR is currently preparing the tender documents of this hospital. Rehabilitation works are expected to start in November 2008 and end in 2009. Procurement of equipment, financed by KSA, is expected to start in 2009 and end in 2010.

Tripoli, Tannourine and Seer El Dinieh Hospitals: CDR is preparing a study for the additional equipment needed by these hospitals, which will be financed by IDB (assets management). Works are expected to start in January 2009 and end in July 2009.

Sour Governmental Hospital: CDR is preparing to start the study for Sour Hospital works, 75 beds. Works are expected to start in September 2009 and end in 2011.

Equipment of Saida Medical Center and Khorbet Kanafar Developed Health Center: CDR is working to provide Saida Medical Center and Khorbet Development Health Center with the necessary equipment which will be financed by the Greek government. This operation is expected to start in November 2008 and end in 2010.

Construction, rehabilitation and equipment of Health Centers in Saksakieh, Khelwat, Jbaa, Boodai, Terbol, Damour, Ghobeiri, and Ghazeer, funded by IDB. Works are expected to start in February 2009 and end in September 2010.

Constructing and equipment of a hospital specialized in the treatment of war and accident casualties (US\$ 20 million), financed in the form of a grant provided by the Turkish government. The Council of Ministers issued a decision which ordained the construction and equipment of a hospital specialized in the treatment of war and accident casualties .CDR shall commission a consultant to study the specialized hospital, after allocating the plot of land for the relevant building. The study is expected to start in May 2008 and end in September 2008. The tendering process shall start immediately after completing the study.

The Kuwaiti Red Crescent is working on a field hospital, 45 beds, which will be installed in Minieh. CDR is preparing a Contract of Allocation of a state owned plot of land, to be concluded between the Ministry of Health and the Ministry of Finance. Works are expected to start in November 2008 and end within 6 months.

## Public health contracts awarded in 2007

	Contract amount (in USD)	External funding	Start Date
<b>Capital investment</b>	<b>442,088.5</b>		
<b>Public hospitals: North</b>			
1103 / 00 Orange Nassau rehab			
9235 / 00 Design & Supervision for the reh of Orange-Nassau hospital in Tripoli	c 132,000		Jun/2007
<b>Public hospitals: South</b>			
1111 / 00 Tibnine rehab			
9266 / 00 Design & Supervision for the reh of Tibnine Governmental Hospital	c 30,800		Sep/2007
<b>Public hospitals: General</b>			
1572 / 00 General Health Projects - Hospitals			
9242 / 00 Design & Sup for the supply & inst of mediacl equip & furn for Bcharri Hosp	c 44,330		Jun/2007
<b>Medical/health centres: General</b>			
1573 / 00 General Health Projects			
9134 / 00 Study & Sup for the const of the new bldg for the Ministry of Pub Health	c 234,959		Sep/2007
<b>Sector Totals</b>	<b>442,089</b>		

## Health Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>						
<b>Hospitals - completion of Construction</b>						
<b>South</b>						
<b>886</b>	Tebnin Public Hospital	Tendering Phase	w	3,650,000	IDB	Apr/2008
<b>Rehabilitation &amp; equipment for existing &amp; new hospitals</b>						
<b>North</b>						
<b>1176</b>	Rehab and equipment of Orange Nassau Hospital - Tripoli	Project identification	w	4,675,000	SAUDI	Apr/2008
<b>1180</b>	Rehab and equipment for Bcharre Hospital	Project identification	w	1,500,000	SAUDI	May/2008
<b>1394</b>	Tripoli Gov. Hospital. Additional Medical Equipments	Project identification	w	540,000	IDB	Oct/2008
<b>1395</b>	Tannourine Gov. Hospital. Additional Medical Equipments	Project identification	w	800,000	IDB KUWAIT	Oct/2008
<b>1396</b>	Sir El Dinieh Gov. Hospital Additional Medical Equipments.	Project identification	w	850,000	IDB KUWAIT	Oct/2008
<b>Beirut</b>						
<b>1174</b>	Rehab. and equipment for Qarantina hospital	Design Phase	w	7,500,000	IDB	Nov/2008
<b>Mount Lebanon</b>						
<b>1172</b>	Procurement of Equipment for Kesrwan Hospital	Design Phase	w	5,400,000	OFID IDB	Jun/2008
<b>1181</b>	Rehab and equipment for Qortoba Hospital	Project identification	w	750,000	IDB	Jun/2008
<b>1418</b>	Baabda Hospital. Rehabilitation	Design Phase	w	4,000,000	ITALY	May/2008
<b>South</b>						
<b>893</b>	Procurement of medical equipment - Jezzin Hospital	Design Phase	w	3,200,000	IDB	Jul/2008
<b>1404</b>	Sour Gov. Hospital. New Execution and Equipment	Project identification	w	10,600,000	IDB	Aug/2008
<b>1550</b>	Construction & equipment for a Trauma Center in Saida	Project identification	w	20,000,000		May/2008
<b>Nabatiyeh</b>						
<b>1392</b>	Bint Jbeil Gov. Hospital	Design Phase	w	5,051,000	QATAR	Apr/2008
<b>1551</b>	Additional Equipment Nabatiyeh Hospital	Project identification	w	400,000		May/2008
<b>Bekaa</b>						
<b>1175</b>	Rehab., extension and equipment for Knafar Hospital	Project identification	w	1,000,000		Feb/2008
<b>Construction &amp; equipment - Medical centers</b>						
<b>Bekaa</b>						
<b>901</b>	Construction and equipment of health care center - Labweh	Award of Contract	w	460,000	IDB	Aug/2008
<b>diver</b>						
<b>1419</b>	Saida Medical Center Equipment	Design Phase	w	300,000		Mar/2009
<b>1420</b>	Seksekieh, Khelwat, Jbaa, Bodai, Terbol, Rehbe, Damour, Ghobeiri, Ghazir Rehabilitation & Equipment	Design Phase	w	11,000,000	IDB	Jan/2009
<b>1423</b>	Health Centers - National. Works & Equipment	Design Phase	w	800,000		Apr/2008
<b>1552</b>	Construction of Damour New Health Center	Project identification	w	1,000,000	IDB	Jan/2009
<b>1553</b>	Construction of Ghobeiri New Health Center	Project identification	w	1,000,000	IDB	Jan/2009
<b>1554</b>	Construction of Ghazir New Health Center	Project identification	w	1,000,000	IDB	Jan/2009
<b>Construction and Equipment of Rachaya Hospital</b>						
<b>1570</b>	Construction and Equipment for Mays E-IJabal Government Hospital	Design Phase	w	400,000	KUWAIT	Oct/2008
<b>CONSTRUCTION AND EQUIPMENTS FOR MAYS EL JABAL GOVERME</b>						
<b>1571</b>	Additional Equipment -Meis El Jabal Hospital	Design Phase	w	400,000	KUWAIT	Oct/2008
<b>SUPPORT FOR 6 HEALTH CENTERS-NABI CHITE,DEIR EL AHMAR,CH</b>						
<b>1572</b>	Additional Equipment -6 Health Centers	Design Phase	w	1,200,000	KUWAIT	Oct/2008
<b>CONSTRUCTION AND EQUIPMENT OF RAHBI HEALTH CENTER</b>						
<b>1573</b>	Construction & equipment for Health Center in Rahbe	Design Phase	w	1,000,000	KUWAIT	Oct/2008
<b>Sector Totals</b>				<b>88,476,000</b>		

# Social and Economic development



CDR has taken a significant step forward in this domain after upgrading its practical experience in the management of development projects that it has undertaken. This was reinforced by the creation at CDR of a social and economic planning department, within its planning and programming administration. This department, in addition to implementing development projects required for integration with other CDR projects, has helped to promote a serious dialogue with the concerned local entities. The initiative has also conferred a new dimension on the Council's activities that goes beyond its achievements in reconstruction by linking it directly to the human and social aspects of our work as well as its relationship with both regional and sectorial development priorities. Consequently, this will affect the investment programs set down by the government.

CDR, in cooperation with several governmental and international agencies, has planned and coordinated several projects that aim to raise the living standards of marginalized groups leading to significant changes at the national level. The Council's vital role in building a collaborative relationship with various stakeholders in this field emerges from its management of two projects: The Community Development Project (CDP) financed by the World Bank, and the Economic and Social Fund for Development (ESFD) financed in the form of a grant provided by the European Union (EU).

The total value of contracts awarded to date in this sector amounts to about US\$ 84 million.

The plan for this sector aims to promote a culture of economic growth and to establish a social development strategy, based on sectorial and regional needs. This



*Project for bee keeping in Batroun*

will be accomplished in coordination with and cooperation of all concerned parties, in order to ensure continuous provision of social services to needy groups. Emphasis will be made on gender issues, the disabled, displaced people and youth problems, in addition to capacity building to reintegrate such groups into the community. Within this framework, CDR contributed to the formulation of the social paper presented by the government to the donors in Paris III conference. CDR's representatives participated also in establishing the national development strategy which was prepared by the Ministry of Social Services in cooperation with its consultant

### **Achievements to date**

Improving living conditions of the poor/Capacity building for poverty reduction: In its capacity as the agency responsible for implementing this program at the national level, the Ministry of Social Affairs (MOSA) worked closely with the United Nations Development Program (UNDP) to implement the relevant activities.

The project aimed mainly at enhancing the leading role of MOSA to mainstream social policy considerations in the national decision-making; and to assist in the formulation and implementation of social policies at the national level, and more specifically at MOSA level. The project is also working on the implementation of the National Survey of household living conditions, expected to compile an

accurate and comprehensive statistical database for developing policies aiming to alleviate poverty. In this context, MOSA will benefit from technical support to restructure its service projects and to revitalize the role of development service centers to act as a key player in regional development and an active partner with the civil society. Finally, the project is helping MOSA to develop a social safety plan.

MOSA, the implementing party, CDR, representing the Lebanese government, UNDP and other basic partners, such as the Central Administration of Statistics (CAS) and the Pan Arabic Project for Family Health (PAPFAM), have all worked in partnership to manage and implement the operations of this project.

The project is also integrated with other activities implemented by MOSA within the framework of modernizing its structure, as well as other activities implemented jointly by MOSA, ESCWA, the World Bank and others. The project was started in 2002, and at the beginning of 2006, it was extended until the end of 2008 to act, in addition to the above, as a consulting unit to MOSA.

### **Achievements in 2007**

A number of activities were achieved in 2007, including the following:

#### **1. Consultation and support to MOSA in social policies**

The project played an important role in providing consultation and

technical support to MOSA at many levels:

**Social Action Plan:** The project represented MOSA in the work team which developed the "Social Action Plan" submitted to donor countries and institutions participating in Paris III Conference. The project helped in presenting the action plan to many social activists by conducting meetings and presenting the plan to NGOs and a number of donors. At the beginning of 2007, the project, in its capacity as the technical secretary of the Ministerial Committee for Social Affairs, undertook the responsibility of following up the implementation of recommendations and decisions issued in the social action plan. This included the elimination of duplication in social ministries work, coordination of interventions in local development projects and development of a comprehensive and integrated social policy.

**Ministerial Committee for Social Affairs:** In 2006, pursuant to the recommendations of the government social reform program, an inter-ministerial committee for social affairs was formed and the project was assigned as the technical secretary of this committee. The framework and work plans for this committee were prepared, according to the recommendations of the social action plan.

#### **2. Studies**

1) The Project worked in coordination with the Central

Administration of Statistics (CAS) to analyze the multi-purpose survey data and to issue the living conditions and poverty reports. According to this survey data, the following reports have been issued.

**Publishing the “Household living conditions 2004” report**, in collaboration with CAS. This report aimed at disseminating all socio-economic indicators included in the survey. It is a descriptive report consisting of tables, statistical indicators and seven chapters covering the following topics: Methodology, demographic conditions, action, education, health, entertainment activities and dwelling.

Mapping of the living Conditions in Lebanon between 1995 and 2004: The same fields and indicators used in mapping the living conditions of 1998 were used in this report. This report aimed to compare 1994/1995 indicators with 2004/2005 indicators in order to study and analyze the changes that occurred in the population living conditions during these two periods and to produce the conclusions and recommendations.

Executive summary of “Poverty, Growth and Inequality” report, in cooperation with UNDP. This report is significant because it presents for the first time data about poverty in Lebanon (poverty line, poverty gap, etc), using monetary indicators of household expenditure

In addition to the above survey, the project coordinated the management and follow-up of a

research about the effects of the war on the living and social conditions, financed in the form of a grant provided by the World Bank to MOSA. The final report was issued in June 2007.

The program provided technical assistance and follow-up of the “National Field Survey of the effects of the Israeli war on the living conditions after July 2006 war”, in cooperation with MOSA, UNDP, ILO and CAS. The final data of this survey will be issued before mid 2008.

#### 4. NGO Support Unit

This unit aims to enhance the capacities of NGOs through free access to resources and training programs, improving networking among NGOs and between NGOs and donors and provision of office and electronic services in order to enable them to act as advocacy groups capable of supporting national development. This unit was launched officially on July 6, 2004.

In 2007, the unit worked on the following:

**Kharifieh School for Associations:** In 2007, the unit organized the third series of workshops for NGO members, in partnership with Beyond Consulting and Training. The workshops covered planning and organization, management of human resources and volunteers, accounting and finance, social marketing and other topics relevant to associations work. More than 70 participants representing 24 different

associations attended these workshops.

**NGO field survey:** The program participated, through the NGOs unit, and in cooperation with CDR, in the follow-up of the progress of the NGO survey, implemented and financed by CDR through an independent consultant. The survey aims at compiling a database of NGOs active in Lebanon, by producing a detailed index of all NGOs working in different sectors, number of active organizations, their targets, service type, executed programs, beneficiaries, geographical coverage and other basic data. In 2007, the survey, data collection and data sorting were completed. Work is currently concentrated on issuing the preliminary report of survey results and the index.

**NGO database:** Since its inception, the NGO unit started compiling data about active NGOs in Lebanon. It has collected electronic and printed files for more than 1700 NGOs; it has also responded to the requests of international agencies and universities to provide them with information about the number of NGOs active in Lebanon.

**National Human Development Report “Towards a Citizen State”:** The human development reports are published periodically at the international, regional and national levels. The national reports are generally considered as a tool for national policy analysis, development and improvement in order to ensure their



*Project for planting medicinal and aromatic plants - Tannourine*

comprehensiveness and fairness, with concentration on integrating marginalized population groups in the development process.

The National Human Development Report, prepared by UNDP, in cooperation with CDR, focuses on the role of the state and citizen: The report addresses the principles of citizenship from three angles. This is a particularly timely topic at a moment when Lebanon is facing increasing political polarization and the subsequent effects at the economic, social and cultural levels, particularly the emerging fears that characterized the civil war years.

The report adopts in all its stages a wide participatory approach which aims to forge partnerships for development between different groups of stakeholders, including decision makers, policy experts, and members of civil society organizations, the private sector and the public at large. In this context, a number of Lebanese scholars and intellectuals have been commissioned to prepare the background papers of the basic aspects in order to identify the

deficiencies that hinder the process of building the citizen state and human development in all parts of Lebanon and to clarify how to develop a road map to reach a new civil contract.

Within this context, the project work team organized a series of workshops to discuss the background papers according to the basic principles of the report, i.e the political, socio-economic and cultural aspects. An outline of the background papers was presented during these meetings. They were discussed with academics, experts, policy makers and activists from the civil society. Finally, a final workshop will be organized to analyze the results concluded in the first three workshops and to propose recommendations to activate citizenship in Lebanon. This workshop will be named "Toward a new civil contract".

In the first workshop with the theme of "Political Citizenship", the participating members discussed the relationship of the state and the citizen as defined by the constitution and personal status laws, and the ramifications

of sectarianism on certain aspects of citizenship and the external and internal influences on selected citizenship practices. Topics discussed included legislation, personal status laws, democracy, public employment and the media.

The second workshop discussed the role of school curricula on building the citizenship culture in children and the various aspects of citizenship and affiliation in selected art and literature works. The effects of sectarianism on civil society groups and the outcomes of a recent survey on cultural identity and Lebanese affiliations were also discussed.

The third workshop addressed the citizenship relationship with social justice and public expenditure with a special focus on a social justice approach from the citizenship perspective and development of a proposal for measurement of social justice and social deprivation. The development of the state role in providing social services, and the main constraints which limit the effectiveness of this role, as well as the effects of sectarianism on public expenditure were also discussed.

A final workshop will be organized at the beginning of 2008 to present and discuss the final draft of the NHDR expected to be released in June 2008.

In addition to the workshops and discussion sessions, the project work team also implemented many initiatives, including: Launching of the report website

(www.nhdrlebanon.org); the 100 Stories to Tell Project which will be published in a separate manual; and the “Citizenship and Education” study completed in cooperation with the Ministry of Education, in addition to posting a number of indicators and indices, some of which were designed specially for the report, on the website.

### ***Transfer of Knowledge through Expatriate Nationals - TOKTEN:***

The project aims at benefiting from the skills and knowledge of successful expatriates, by initiating them to engage in consultancy tasks at ministries and governmental institutions. This project is implemented by UNDP in cooperation with CDR. When the project was resumed in December 2005, the Ministries of Tourism, Industry, Public Health and Transport sought the help of Lebanese expatriates to benefit from their experiences for implementing the national development policy. In spite of the recent political instability and security situation, TOKTEN experts have respected their commitments and maintained their enthusiasm to serve Lebanon.

### **ACHIEVEMENTS**

**Ministry of Industry: Merging of small Industries:** This task included the development of a policy to encourage and support the merging of small industries. This task included a detailed list of the criteria for merging small industries.

**Ministry of Tourism: Touristic Strategy to attract Lebanese**

**Expatriates in Brasil:** The task included the development of a strategy to promote tourism and to attract Lebanese expatriates in Brasil. The final report included an analysis of the difficulties facing the Lebanese expatriates who want to travel to Lebanon.

**Ministry of Work and Transport: Geotechnical Training:** The training included basic geotechnical engineering principles and the main options to resolve particular matters related to soil, rocks and erosion.

**Ministry of Health: Work Plan for Accreditation of Public Hospitals:** This task aimed to develop a work plan to implement the accreditation program, improve services and quality control in public hospitals, in coordination between Ministry of Health and the French Higher Health Authority.

**Ministry of Labor: Coordination of Labor Unions Affairs:** This task aimed to provide consultation services to the Ministry of Work in its policies and strategies dealing with Labor Union issues.

**Ministry of Agriculture: Mechanization of Agricultural Cooperatives:** The task includes mechanization of agricultural cooperatives to support production.

**Directorate of Cooperatives – Development of Credit Unions:** The aim of this task is to study the status of Credit Unions and to propose the recommendation to revive its role as sustainable active establishments to provide micro

credit to the private sector and small and medium-scale enterprises.

It is important to note that one task is still under execution namely the “development of an oncology program in public hospitals” as required by the Ministry of Health. For this purpose, the TOKTEN project received a grant from the Lebanese expatriate Minzir Hourani. Lebanese oncologists coming from international oncology centers, such as Dr. Anderson, are expected to contribute to this task in coordination with the Ministry of Health.

### ***Population and Development Strategies Project***

To achieve the objectives of the population and development strategies program, the following activities were performed according to the 2007 action plan:

**Goal 1: Strengthening national capacities for integration of population, reproductive health and gender issues into sectoral development planning and programming.**

In preparation for the integration of population and development issues into sectoral action plans, the program reviewed “the Lebanese action plan to enhance social safety nets and to increase access to basic social services” in order to be guided by its proposals related to addressing new population problems during the integration of population issues in sectoral plans and programs.

**Goal 2: Increasing the availability of sex-disaggregated**

### **population related data by region.**

A national integrated population and development system represents one of the basic procedures to be adopted for integrating population issues in the national development agenda and to monitor the development of relevant indicators. In this respect, the program conducted an assessment of the role, infrastructure and work of public and private institutions concerned with the production and usage of population and development data. All available sources of information, such as studies, books, research, unprocessed data issued during the previous 10 years have been compiled. The program also proposed the structure of the national data bank. The relevant website is expected to be launched in 2008.

### **Goal 3: Increasing awareness and understanding of priority population, reproductive health and gender issues among policy makers, parliamentarians, opinion leaders and other stakeholders.**

A technical meeting, attended by all stakeholders, was held in March 2007 to discuss the components of the advocacy strategy to advance population issues in Lebanon. After preparing the first draft of this strategy, the work team reviewed the provisions related to the analysis of each population case and the strategy was sent to the concerned parties for comments. This will be completed in the first months of 2008 and the final

strategy is expected to be published in mid 2008.

It is worthy to note that a website was launched to post the activities of the program, relevant publications and reports. Printed copies which identify the program's objectives and activities are also available.

### **Project for Monitoring the Activities of Public Institutions in Relation to Women issues:**

This project, implemented by the National Commission for Lebanese Women (NCLW), in coordination with UNIFEM, is composed of the following three components which aim at activating the institutional structures of the National Commission:

Expanding the database of Lebanese Women Center founded in 2004.

Capacity building to produce information on the progress of women status.

Capacity building to promote the "Convention on the Elimination of all Forms of Discrimination against Women CEDAW" and relevant documents and to raise social awareness.

The Commission anticipates achieving the following outcomes:

To improve knowledge about the status of women in Lebanon, public development policies and their impact on the said status and to establish the proper mechanism to monitor these policies.

Increased coordination between the National Commission for Lebanese Women and public

institutions in relation to women issues.

Promoting the mainstreaming of women issues in public policies and to upgrade the efficiency of initiatives which address women empowerment.

To improve the knowledge and raise awareness of international laws related to women.

The National Commission started this project by exploring a number of ministries to identify the location of data about women issues and to establish the methodology for selecting the topics that are indicative of women status. The National Commission is currently preparing a plan for restructuring the Lebanese women data center to convert it into a core observatory of women status in Lebanon, dealing initially with the governmental policies toward women and the compilation and dissemination of relevant data. One of the future steps in the context of this project includes the organization of training workshops for the employees of public administrations in order to provide them with the necessary information to lay down the required indicators. In addition, other workshops will be held in collaboration with specialized experts to establish, update and publish the lists of investigated topics.

### **Women Empowerment: Peaceful Action for Peace and Security (WEPASS)**

The National Commission for Lebanese Women, in cooperation with UNFPA, implemented the

first phase of this project launched in 2006 following the Israeli aggression. This project targeted ten local communities affected by this war including Aitaroun, Bint Jbeil, Ghazieh, Yarine, Nabatieh, Alkhir, Deir Mimas, Dweir, Ras Baalbek and Ghobeiri. These were selected according to specific criteria based on women representation in municipal councils or in management of comprehensive social service centers. These

The first phase of the project dealt with empowerment of women in beneficiary towns and villages, after observing the primary needs of these regions. Work was initiated on this project by establishing local women committees, building cooperation framework, networking and promoting the importance of women empowerment among local leaders. Work focused particularly on social and women capacity building, especially in the fields of reproductive health, management of family budget, basic information about the methods to provide required health care, methods to secure aid in cases of disputes and training women to participate in resolving disputes. The Commission also sought to raise awareness of women and local communities of women's rights and human rights.

It is worthy to note that the National Commission for Lebanese Women is preparing to implement the second phase of the project, in cooperation with municipal councils, local associations and relevant

international organizations, in areas benefiting from the project during the period of June 7, 2007 - February 7, 2008. The activities of phase II will be expanded depending on the results of Phase I evaluation. During this phase, work will concentrate on economic empowerment of women through soft loans, technical training and raising awareness about the economic role of women. The funding provided by Italy allowed the implementation of phase II which is expected to end in February 2008.

**Family health survey:** This survey was completed under the protocol signed between MOSA and CAS, the latter being the official body authorized to conduct national surveys.

A higher consulting committee was formed to monitor this survey with representatives from concerned government and community bodies, including CDR. The objectives of this survey can be summarized as follows:

To provide detailed health, social, economic and environmental data on the members of Lebanese families, the status of Arab women, in addition to youth and adult questionnaires that contribute to building of a national and regional Arab database. In addition, to provide health and demographic indicators necessary to follow-up the progress achieved in development objectives and to implement the plans and work programs of international

conventions dealing with population and development.

The final report of the family health survey is complete. It was discussed in a national forum attended by all concerned official and local community stakeholders.

**Preparation of the national report on follow-up of the Millennium Summit Goals (MDGs):** UNDP, in cooperation with CDR, launched in October 2007 the second national report on achievements of MDGs in Lebanon. The report will be used as a tool for monitoring progress on MDGs and objectives adopted by 191 countries in September 2000. A technical committee was formed for this purpose, represented by the following ministries and institutions: Ministries of Social Affairs, Public Health, the Environment, Economics and Trade, CDR, CAS and UN agencies, including WHO, UNESCO, UNFP, UNICEN and ILO.

At first, the technical committee approved the report structure and table of contents. Work groups were formed to prepare the report. It was agreed that the chapters covering each of the 8 millennium goals should include the new developments and achievements since the first MDG report was issued in 2003, the main challenges facing relevant sectors which hinder the achievement of the particular goal and the lack of opportunities to rely on. The last part of the chapter should include recommendations to overcome these challenges in order to be

able to achieve these goals by the year 2015, as pledged by the Lebanese government when it signed the Millennium Declaration in 2000.

The committee also specified the indicators it will use to measure these goals. It decided to adopt 58 international indicators to measure 21 targets of 8 goals to improve international comparison. An independent expert was recruited to cooperate with the technical committee, to coordinate between various work groups and to provide assistance in the preparation of the final report.

The technical committee prepared the first draft of this report at the end of 2007, including the indicators adopted by official authorities to measure each goal and target. The final report is expected to be complete in May 2008.

The millennium development goals are a tool to evaluate the national policies and programs aiming to eradicate poverty, achieve universal primary education, promote gender equality and empower women, reduce child mortality and improve maternal health, combat HIV/AIDS, malaria and other diseases, ensure environmental sustainability, and develop global partnership for development.

### **Integrated Regional Development Projects**

These projects aim at improving the living standards and economic conditions of the most needy regions and deprived communities by improving the basic socio-

economic infrastructure and developing the productive capacities of the local population to achieve balanced development based on partnership between the public sector on the one hand, and the private sector and civil society on the other.

### **Socio-Economic Development for South Lebanon:**

Following the withdrawal of Israel from the occupied areas of South Lebanon in 2000, the government, represented by CDR and in consultation with UNDP, initiated a joint program for the socio-economic development of the South. The program continued to provide support and assistance to local institutions, including municipalities and cultural cooperatives, activating the role of the youth, economic development and rehabilitation of liberated prisoners. It is worthy to note that the presence of UN organizations in South Lebanon was represented only by UNDP and UNIFIL during the six years that preceded the July 2006 war.

### **Progress of Works in Current Projects (after July 2006 war)**

The UNDP work team in South Lebanon started working on the preparation of

the strategy for quick starting projects during the Israeli aggression in order to launch them immediately as soon as the war ended. Following the cease fire on August 14, 2006, the work team conducted a comprehensive survey of the damages caused in villages and towns of the South and in the southern suburb, in

coordination with municipalities, local authorities and village and town representatives. The program aimed mainly to provide urgent reconstruction assistance to municipalities.

The program allocated 1 million dollars for removal of debris and rubble, opening of roads and implementing urgent small development projects in war affected areas. Grants were distributed on affected municipalities based on the number of damaged houses in the particular village or town. An amount of US \$ 800,000 was distributed on 101 municipalities in the South and US \$ 200,000 on 4 municipalities in the southern suburb.

After supporting municipalities to revitalize and uplift them to the required level, the program is currently working on the following:

Development of special programs to support the socio-economic cycle in war affected villages and towns. These projects aim at improving the living conditions of people affected by the war, i.e. farmers, livestock keepers, and medium enterprise owners (shops, industrial shops, etc) and women who are the sole supporters of their families.

Launching and leading the coordinating meetings between all field activists (international and local organizations) in order to coordinate closely the relationship between international organizations and active local NGOs and community – based associations.

Development of the information

and mapping unit to include all information about active NGOs and community organizations, their type of work, beneficiary villages and towns, and posting this information on the website.

### **I – Project for Support of Municipalities in cooperation with the EU**

The program work team was commissioned to implement the Municipality Support Project in the Southern villages, financed by EU in the form of a grant amounting to one (1) million euro. The grant was allocated to the rehabilitation of infrastructure projects in war-affected areas. Work commenced in October 2006 in 143 towns and villages in the cazas of Marjeyoun, Hasbia, Bint Jbeil, Sour, Nabatieh, Jezzine and Saida. The main projects are:

- Removal of demolition rubble and debris and opening of roads.
- Rehabilitation of internal roads lighting system.
- Rehabilitation and cleaning of wastewater network.
- Rehabilitation and cleaning of storm water conduits and water drains.
- Rehabilitation of public places and centers (damaged municipal buildings, civil defense, nurseries, social centers and youth clubs.)
- Rehabilitation of secondary water networks.

### **II – Rehabilitation of municipal infrastructure to secure urgent living services, in partnership with Sweden**

The Swedish government donated,

through SIDA, 1.5 million dollars to this program, for the rehabilitation of damaged infrastructure in the southern towns and villages. The projects were implemented in 150 villages and towns in seven cazas in the South: Nabatieh, Saida, Jizzine, Sour, Bint Jbeil, Marjeyoun and Hasbia. In addition to the group of projects implemented in partnership with the EU, the Swedish assistant included procurement of general equipment, such as waste containers, office supplies for the municipalities, agricultural machinery, etc.

### **III – Urgent Rehabilitation of water and wastewater networks in partnership with Japan**

The Japanese government offered the program a grant of US\$ 00,000 for implementing projects to support the municipalities of the southern villages and towns. The project was implemented in 110 villages and towns, including:

- Rehabilitation of storm water conduits
- Rehabilitation of wastewater network
- Rehabilitation of secondary water network
- Rehabilitation of irrigation pools.

### **IV – Recovery of Lives and Livelihood in the South, in partnership with the EU**

The program received US \$ 1,245 million from the EU to implement projects which support living conditions in the South. The amount was distributed on the following:

- Designing productive projects to create job opportunities in communities affected by July 2006 war.
- Supporting the infrastructure and agricultural services of municipalities and cooperatives in the region.
- Supporting micro-and small enterprises

### **V – Demining and Socio-economic development project in South Lebanon, in coordination with UNMACC-SL**

This project is implemented in cooperation and partnership with UN Mine Action Coordination Cell-South (UNMACC-5L) in Nabatieh, Jezzine and Saida regions. An amount of about 2 million dollars is allocated for socio-economic development projects in communities that were cleared of mines.

Cooperation between project partners is established as follows:

Demining of pre-defined areas and clearing unexploded mines (UNMACC-SL).  
Implementing socio-economic projects in communities that were cleared of mines by establishing youth clubs to support and encourage the youth to actively participate in the program, in addition to developing programs for supporting municipalities and agricultural cooperatives. These projects are implemented directly by UNDP in South Lebanon.

In this context, the program established 9 youth teams in Nabatieh caza, organized 8

workshops on strategic planning, 1 summer camp with the theme of resolving disputes and education of non-violence, and one workshop on teenagers attended by 35 young people from Nabatieh caza.

In the context of the municipality project, the program organized three workshops with the themes of local participation, strategic planning and how to write projects to the benefit of Nabatieh, Jezzine and Saida municipalities.

### **Socio – Economic Development Project, Akkar: Regional Development for Akkar**

This program focuses on a strategy that aims to create and support local institutions at the local, regional and national levels. It aims to secure the necessary resources needed for the improving local socio- economic conditions through sustainable development programs that focus on human resources development in local communities. The program draws on experience and lessons learned by CDR and UNDP development programs in other regions. The program strategy concentrates on strengthening local institutions that implement their activities under CDR supervision.

#### **GENERAL OBJECTIVES**

The program aims through its municipalities and cooperatives training program to enable municipalities and cooperatives to identify problems, propose solutions and discuss them with members of the local community. The high-level coordination and

cooperation between municipal councils, NGOs and youth associations reflect the partnership and strategy that the training program aims to realize.

#### **SPECIFIC OBJECTIVES**

Forming local development committees and training them on local development methodologies. Developing the capacities of municipalities, cooperatives and youth groups.

Assisting various communities in crystallizing local development plans.

Implementing local development projects.

#### **Program Achievements in 2007**

The program interventions in 2007 may be summarized as follows:

##### **1. Form local development committees:**

In the context of activating the local development process in coordination with the municipalities in Akkar, 19 local working groups were formed in: Al Sindyanet, Ain Al Zait, Al Dibabieh, Al Ouainat, Mashta Hassan, Mashta Hammoud, Shadra, Khoreibet Al Jondi, Western Tal Abbas, Eastern Tal Abbas, Masoudieh, Telma'ayan, Qlailaat, Hmaira, Saysouk, Borj Al Arab, Birquail, Quarquaf and Ayyat. Hence, the total number of municipal working groups formed in Akkar region is 43 out of 94 municipalities.

##### **2. Training courses:**

Three training courses on local development methodologies were held for municipal council members and municipal work groups. These were attended by 60

trainees. These courses aimed at enhancing the capabilities of local partners in local development and helping them to crystallize a local development plan.

##### **3. Sectoral workshops:**

Twenty five (25) sectoral workshops attended by 313 people were organized in 12 villages, as follows:

- Eight (8) workshops on agriculture
- Nine (9) workshops on youth
- Five (5) workshops on education
- One (1) workshop on environmental tourism
- Two (2) workshop on infrastructure

These workshops aimed at discussing the main problems faced by local communities and proposing the appropriate solutions as a first step toward crystallization of a local development plan. This workshop was attended by representatives of relevant sectors.

Periodic meetings with work groups were held every three weeks to continue the cooperation in this field.

##### **4. Organizing a workshop in Akkar region**

A workshop with the theme of "Participation of civil society organizations in the rehabilitation and development process of Akkar region" was organized in cooperation with UNDP and the Arab NGOs network. It was attended by 153 people, representing municipalities, NGOs, cooperative associations and foreign organization. The workshop

identified the basic needs of various sectors and these results were presented in a national workshop organized in Beirut.

### 5. New projects

To reinforce the development process, the program signed the following five new projects with municipalities and cooperatives in Akkar region:

Computer center and public library in Khorbet Daoud village.

Construction of a basketball court in Ain Tanta.

Agricultural irrigation Channel in Ain Yacoub.

Procurement of burghul mill for the Agricultural Processing Cooperative in Fneidik.

Construction of a mini football field in Mashta al Hassan.

Agricultural guidance project in Fneidik, in cooperation with the municipality, agricultural cooperative and Safadi Foundation.

### YOUTH SECTOR

In addition to the formation of new youth groups in a number of villages in Akkar, follow-up activities with youth work groups continued:

- A workshop on citizenship was organized for the youth groups. 23 young people attended it.

Local activities were organized in the towns and villages of Akkar, including graffities, forestation and publication of a youth magazine in Ain Yacoub and Akkar Al Atika.

Scheduling the cinema club shows in villages and towns.

Organization of the second youth camp in Bazbina public school.

Forty three (43) young girls and boys joined this camp. Topics covered are resolving disputes and citizenship, group building, group dynamic, exchanging experiences between youth groups.

The second youth gathering addressing the educational situation and cultural life in Akkar. About 200 young people attended this gathering, which was organized in cooperation with community associations. The attendants were distributed on theater, painting, music and wall newspaper workshops.

### Expected achievements of the program

Creating a new mechanism for municipal work within the local community, based on common discussions and participation in decision-making.

Enabling local development committees within the municipal councils to crystallize and propose local development plans for submission to municipal councils.

Enabling municipalities through local development work plans proposed according to local community needs.

Networking between municipal councils and donors.

Creating participation mechanism within the local communities and eventually establishing the partnership principle.

Enabling youth groups in villages to play their role in the local development process and to disseminate the values of citizenship and democracy among youth.

**Community Development Project (CDP):** This project translates the government's

commitment to achieve equitable and balanced development strategies in all regions. CDR and the World Bank jointly launched this project in January 2003.

The aim of the CDP is to establish an effective and sustainable means to improve living standards and economic conditions of disadvantaged communities. This would be realized through: (a) improving access to basic social and economic infrastructure by funding small-scale community-based projects that satisfy local needs; (b) improving the economic conditions of poor families by augmenting local incomes and productivity, and reducing vulnerability through the development of basic skills, training and capacity building to supplement micro-credit initiatives; (c) planning social programs that aim to satisfy the needs of particularly vulnerable groups, especially women, children and the disabled; (d) documenting acquired experience of this project and learning from its lessons to develop, in consultation with the concerned ministries, the needed interventions to reduce social and regional disparities from a human development perspective.

The project cost is estimated at US\$ 30 million. The Lebanese government is contributing US\$ 5 million, local communities contribute US\$ 5 million in kind and a loan of US\$ 20 million is granted by the World Bank.

CDP will be implemented over a period of five years. It consists of three components:

- Social and infrastructure development.
- Augmenting incomes (capacity building).
- Project management support.

These components were realized through two groups of programs. The **first group** was the integrated local community development in targeted geographical areas, while the **second group** covered programs that target sectors at the national level. CDR is implemented three projects for the disabled, youth and gender issues totaling about US \$ 2.5 million.

Activities to plan and execute these programs either at the national level or within one specified “poverty area” were implemented through a number of carefully selected NGOs or partnership agreements among a number of them.

**1.Short term-small scale projects:** The community-based associations submitted their applications for funding proposed projects under easy terms and conditions and provided that CDR’s contribution does not exceed US \$ 30,000 and that the project is completed within six months. CDR signed 106 contracts totaling US\$ 2,036,775 and covering a number of sectors including health, agriculture, education, training and skills development.

**2. Regional projects:** CDR conducted a social survey in the ten regions covered by the project. The survey results are summarized as follows:

- Designating the geographical

locations of poverty clusters (“poverty clusters” are composed of a group of villages or residential areas occupied by about 15000 inhabitants in an interconnected geographic zone that share the same social characteristics and features).

- Performing a quick survey of these clusters to define the development priorities of each one, in partnership with influential parties and associations working within them.

Based on the results of this social survey, CDR invited qualified and interested NGOs to submit their proposals for implementing development projects in ten areas of rural poverty (Baalbeck/Hermel–Rashaya/Hasbaya- Akkar – Tripoli – Minyeh/Danniyeh/ Zgharta – Batroun/Jbeil/Becharre - Greater Beirut region – Sour/Bint Jbeil/ Marjeyoun and Nabatieh – Saida and Jezzine – Chouf/Aley ). CDR issued two invitations to tender which resulted in signing contracts with 121 associations and groups of associations for implement works in these geographical areas for about US\$ 12 million.

**3.Quick rehabilitation initiatives:** In order to respond to the devastating results of the Israeli aggression in July 2006, CDR launched a number of quick rehabilitation initiatives. Local community associations were invited to participate in the formulation and planning of projects in Nabatieh, Marjeyoun, Bint Jbeil and Sour cazas, in addition to some villages in Baalbek and Hermel that were affected by the aggression, provided that the project cost does not exceed U.S. \$ 50000 and it is

completed within 5 months maximum. These projects aim to stimulate socio-economic activity that helps the population deal with the crisis. In this context, CDR announced the details of these projects and invited the qualified associations to submit their proposals. As a result, 72 contracts were signed with local community associations for a total of US\$ 3.5 million to implement projects in 55 villages covering 12 different sectors.

In addition, CDR commissioned the consultant ECE/PADECO to conduct the National NGOs Survey. The consultant adopted initially the study performed by MOSA in cooperation with ESCWA. The consultant submitted the final report in November 2007.

The project can be summarized as follows:

### TARGETED CATEGORIES

Budget(US\$)	Contracts	Targeted categories No.
Farmers	114	9,209,102
Residents	92	6,330,225
Social cases	28	1,507,651
Women	20	1,124,079
Youth	65	4,801,029

### Project budget according to sector

Sector	No. of contracts	Total Budget(US\$)
Agriculture	81	6,632,820 \$
Agricultural Processing and craftwork	38	2,963,592 \$
Culture and Entertainment	44	6,862,268 \$
Education and Technical Education	61	4,717,217 \$
Health	32	2,317,857 \$
Infrastructure and the Environment	32	2,684,707 \$
Social	31	1,387,208 \$
<b>Total</b>	<b>319</b>	<b>22,972,085</b>

**The project goals were diversified including:**

Project aim	No. of contracts	Total Budget(US\$)
Social networking	45	2,712,544 \$
Development of infrastructure	23	1,931,835 \$
Improving environmental conditions	10	815,825 \$
Improving health conditions	32	2,317,857
Improving the social situation	6	239,188
Improving productivity	100	7,597,551
Development of skills	103	7,457,286

All projects are expected to be complete by the end of the deadline for withdrawal from the World Bank loan, i.e on February 29, 2008.

**Economic and Social Fund for Development (ESFD):** The fund was founded in 2002 as an

autonomous unit attached to CDR to eradicate poverty. It is financed by EU (25 million euro and the Lebanese Government (6 million euro). The fund started its actual work in 2003 and it launched a number of projects within the framework of two components: Job creation component and Local development

**Achievements of ESFD in 2007**

**Job creation component.**

Between 2004 and January 31, 2007, the job creation component provided funding for the establishment and expansion of more than 2409 small enterprises, thus creating 1861 new job opportunities. The fund has also provided development services for about 1200 enterprises. These

services are available now throughout Lebanon.

In 2007, ESFD conducted feasibility studies for Marjeyoun, Hasbia and Akkar cazas. It also trained 50 company owners of its clients in Sour, Ain Ibil, Chtoura and Tripoli.

**Local development component.**

At the beginning of July 2007, ESFD signed 14 grant contracts, totaling 4.4 million euros, with local communities in the poorest regions of Lebanon to improve the living conditions of deprived communities.

A large number of earlier projects were completed this year, especially in Aitaroun (the South) and Mishmish (the North).

**The following is a list of these projects, their value and location :**

No.	Beneficiary	Caza	Project	Value
<b>Group 1</b>				
1	Aitaroun	Bint Jbeil	<ul style="list-style-type: none"> <li>- Nursery</li> <li>- Solid waste treatment plant</li> <li>- Agricultural municipal center</li> <li>- Educational municipal center</li> <li>- Maintenance of public works</li> </ul>	300,000 euro
2	Mishmish	Akkar	<ul style="list-style-type: none"> <li>- Health care center</li> <li>- Agricultural municipal center</li> <li>- Educational municipal center</li> <li>- Rural bridge</li> </ul>	300,000 euro
<b>Group 2</b>				
3	Aitata	Bint Jbeil	<ul style="list-style-type: none"> <li>- Socio-cultural center</li> <li>- Pool and water drainage conduit</li> <li>- Machinery</li> </ul>	300,000 euro
4	Tyrie-Rchaf-Sarbine	Bint Jbeil	<ul style="list-style-type: none"> <li>- Agricultural center</li> <li>- Health care center</li> <li>- Sportive center</li> <li>- Sportive municipal establishment</li> </ul>	300,000 euro

No.	Beneficiary	Caza	Project	Value
5	Majdala- Mar Touma- Deir Dloum	Akkar	<ul style="list-style-type: none"> <li>- Irrigation network</li> <li>- Wastewater network</li> </ul>	300,000 euro
<b>Group 3</b>				
6	Mina	Tripoli Fishery	<ul style="list-style-type: none"> <li>- Rehabilitation of old market</li> <li>- Improving the productivity of the craftwork sector and rehabilitation of old Mina market.</li> <li>- Touristic information center</li> </ul>	400,000 euro
7	Danbou	Akkar	<ul style="list-style-type: none"> <li>- Revitalizing the agricultural sector</li> <li>- Health care center</li> <li>- Social development center</li> <li>- Youth sport center</li> </ul>	300,000 euro
8	Mhammara	Akkar	<ul style="list-style-type: none"> <li>- Public beach and park that complies with environmental specifications near Nahr Al Bared.</li> <li>- Enhancing agricultural methods</li> <li>- Vocational and training center</li> <li>- Landscaping the commercial area located on Mhammara international road</li> </ul>	300,000 euro
9	Akroum- kfartoun- Mrah-Al Khowkh- Sahl	Akkar	<ul style="list-style-type: none"> <li>- Agricultural guidance and olive processing center</li> </ul>	300,000 euro
10	Kawashra	Akkar	<ul style="list-style-type: none"> <li>- Dairy center</li> <li>- Craftwork center</li> </ul>	300,000 euro
11	Quashliq- Alghzaileh	Akkar	<ul style="list-style-type: none"> <li>- Agricultural irrigation</li> </ul>	120,000 euro
12	Sabra &Shatila	Baabda	<ul style="list-style-type: none"> <li>- Enhancing the local NGOs network</li> <li>- Solid waste collection and disposal</li> <li>- Electrical power</li> <li>- Enhancing health services</li> </ul>	400,000 euro
13	Sabra &Shatila	Baabda	<ul style="list-style-type: none"> <li>- Enhancing the local NGOs network</li> <li>- Solid waste collection and disposal</li> <li>- Electrical power</li> <li>- Enhancing health services</li> </ul>	400,000 euro
14	Al Loubieh Khaziz – Qnaitar	Saida	<ul style="list-style-type: none"> <li>- Agricultural guidance center with olive processing unit</li> <li>- Reclamation of agricultural land</li> </ul>	250,000 euro

No.	Beneficiary	Caza	Project	Value
15	Al Khodr	Baalbeck	- Wastewater drainage network	300,000 euro
16	Arsal	Baalbeck	- Dairy and fruit processing plant - Educational and vocational training center - Physiotherapy center for people of special needs	400,000 euro
17	Al Marie-Halta- Al Mejeidiet	Nabatieh	- Agricultural irrigation scheme - Small wastewater network project	250,000 euro
18	Adshit	Nabatieh	- Infrastructure maintenance - Educational- cultural center - Irrigation water supply	300,000 euro
19	Adshit- Al Quaseer- Toulin	Marjeyoun	- Rehabilitation and maintenance machinery for the municipality - Local health center - Improving irrigation water supply	300,000 euro

### **Innovative Partnership to Support Communication between Regions through Local Development: ART Gold Lebanon**

#### **Project description and objectives:**

The ART GOLD project is part of the international ART initiative created by a group of UN organizations, including UNDP, to encourage strategic and actual communication between donors and development cooperation and decentralized cooperation programs and institutions that support local development policies, in order to achieve the Millennium Development Goals – MDGs- and to enhance the capacities of local institutions in their approach to alleviate poverty.

The details of the ART GOLD Lebanon program were discussed

in November 2002 - June 2004 by bilateral delegations, supported by UNDP office in Lebanon and UNDP for Innovative Partnerships in Geneva, and in coordination with CDR.

This cooperation contributed to the formulation of the final copy of the project document, in consultation with UNDP Regions Arab states and Italy, the main funding party, represented by the Ministry of Foreign Affairs and the Directorate of Development Cooperation. They agreed to identify the areas to be targeted in the first phase of ART GOLD project based on the official data and statistics. These areas are:

North Lebanon: 3cazas: Akkar and Menye-Dinnye and Tripoli-Bab el Tibani.

South Lebanon: 5 cazas: Marjeyoun, Bint Jbeil, Nabatieh, Sour and Hasbaya

Bekaa :2 cazas: Rachaya and western Bekaa

Beirut Southern suburb (added later due to the damages caused by July 2006 war).

ART GOLD Lebanon will coordinate its work with other projects implemented by UNDP in cooperation with CDR in some areas mentioned above. These are the post –war Socio – economic rehabilitation project in South Lebanon and the local socio-economic development project in Akkar. ART GOLD Lebanon will depend on the experiences of these projects which were developed in cooperation with local organizations and communities. ART GOLD Lebanon aims at achieving the following:

To encourage decentralized development partnerships between

local and foreign communities and partnerships between local and foreign economic development stakeholders.

To encourage south – South partnerships between developing countries, with support from Northern local societies to exchange experiences and technologies.

The project duration was 6 months and the preliminary budget amounted to US\$ 8,292,383 provided by Italy in the form of a grant

The project methodology shall be based on seeking a framework for cooperation and coordination to implement the activities at the local, national and international levels, after forming local, national and international working groups to work together to formulate the detailed annual work plans based on an accurate needs assessment and national and sectoral plans, with emphasis on the principle human development concepts: Governance, local economic development and social welfare.

At the national level, ART GOLD Lebanon project was launched on September 22, 2006. This event was attended by CDR, representatives of the Italian government and UNDP. CDR in its capacity as the national implementing party represented the Lebanese government. At the international level, the project was launched during the international conference held in Geneva in September 2006, which was attended by the chief of the Lebanese permanent diplomatic mission in Geneva and

representatives of CDR, Ministry of the Interior and Municipalities, European development agencies, in addition to 16 representatives of Lebanese municipalities and municipal unions in the areas covered by the project. This conference provided an opportunity for the parties to get to know each other, which may help in the development of work partnerships in the future.

**Achievements of the Project to date:**

Issuing a communiqué signed by CDR and UNDP confirming their commitment to follow-up the implementation of the decisions issued by the international conference held in Geneva.

Selection of the Chief Technical Advisor in November 2006. UNDP finished the selection of the project work team during the first quarter of 2007.

Issuing the Council of Minister's Decision No 1115/2007 dated 30/10/2007 which ordained the formation of the project national committee headed by CDR to ensure compatibility of local plans, initiatives and activities implemented within the framework of ART GOLD Lebanon project with national plans and policies. The committee also includes the Director General of the Ministry of Economics and Trade, the Director General of local administrations and councils in the Ministry of Interior and Municipalities and the Director General of the Ministry of Social Affairs. The director of UNDP and the representative of the Italian Embassy, in its capacity as the funding party of the project, participated in this committee. The

committee had its first meeting in December 2007. Several local and regional working groups were formed in the project working area. It is worthy to note that the international preliminary committee was formed in the light of the international conference held in Geneva in September 2006. The Committee is presided by Mr. Pierre Moroa and the Italian senator Mrs. Callibery. It also include representatives of the National Committee mentioned above, representatives of European organizations, institutions and unions concerned with local decentralized development, in addition to the partners who declared their intention to contribute financially to the program. The international committee held its meeting in Paris on September 24, 2007 to review the progress of work on the project and to propose the future steps.

Individual meetings were held with representatives of donor parties working in Beirut to acquaint them with the project and to promote them to join the local development process through this project. These included the EU, the embassies of France, Belgium, Spain and Italy. Consequently, the Italian government agreed to increase its contribution by US \$ 1.5 million and Belgium decided to contribute US \$ 3 million.

Signing the first cooperation program between the project and Catalan Agency for Development to implement three rehabilitation projects in western Bekaa and the South for an amount of 270,000 euro during this year. Another amount of 10,000 euro was

## Social & Economic Development Sector overview

		Total		completed		in progress		prog	
		*No	Amount	*No	Amount	*No	Amount		
<b>Technical assistance</b>		<b>378</b>	<b>32.9</b>	<b>83</b>	<b>4.9</b>	<b>295</b>	<b>28.0</b>	<b>29%</b>	
<b>Institutional development</b>									
1441 / 00	Assistance to social institutions	c	4	3.3	3	0.9	1	2.3	90%
1442 / 00	Technical assistance to the Ministry of Social Affairs	c	7	4.8	3	2.0	4	2.9	39%
1452 / 00	Technical Assistance to National organizations	c	2	3.0			2	3.0	10%
1452 / 00		c	8	2.0	2	0.3	6	1.8	47%
1515 / 00	Community Development Project	c	30	1.6	15	0.6	15	1.0	69%
1515 / 00		w	325	17.6	59	1.1	266	16.5	19%
1540 / 00	Rural Development	c	2	0.5	1		1	0.5	20%
<b>Capital investment</b>			<b>80</b>	<b>42.8</b>	<b>33</b>	<b>17.6</b>	<b>47</b>	<b>25.2</b>	<b>33%</b>
<b>Rehab. of social affairs/training centres</b>									
1143 / 00	Rehabilitation of Beirut training centre	w	1	0.3	1	0.3			
1144 / 00	Rehabilitation of 20 social centers	w	12	1.3	12	1.3			
<b>Construct/equip social development centres</b>									
1145 / 00	Construction and equipment of 75 social development ce	c	1		1				
1145 / 00		w	1		1				
1522 / 00	Social Emergency Operations	c	1	0.2			1	0.2	70%
1525 / 00	Poverty Alleviation	c	4	12.9	1	0.6	3	12.4	33%
<b>Assist. to instit.for disabled/disadvantaged</b>									
1142 / 00	Programme for disabled and marginalized individuals.	c	6	4.8	3	3.4	3	1.4	41%
<b>Integrated rural development</b>									
1186 / 00	Baalbeck Hermel Integrated rural development	c	4	11.3	4	11.3			
<b>Development project</b>									
1550 / 00	Economic and Social Fund for Development	c	35	6.7	8	0.6	27	6.1	47%
1550 / 00		w	15	5.3	2	0.1	13	5.3	13%
<b>Sector Totals</b>			<b>458</b>	<b>75.7</b>	<b>116</b>	<b>22.5</b>	<b>342</b>	<b>53.2</b>	<b>31%</b>

contributed by Les Amis du Liban a Monaco NGO to implement an educational project in Rashaya and Western Bekaa.

Signing a Memorandum of Understanding with representatives of Italian Decentralized Cooperation Mission that visited Lebanon in March 2007, which was comprised of 30 representatives of Italian local authorities and NGOs, to implement development projects in a number of villages and towns in the areas covered by the project. The amount of this contribution is about US \$ 650,000

Allocating about US \$ 600,000 to

implement priority projects in preparation for launching the local development process in each project area in 2007.

Organizing training courses and providing technical assistance to members of local working committees, to develop the skills of these members in formulating local work plans. Within the same context, a socio-economic consultant was recruited to work with the project work team and local working groups in order to lay down the necessary principles to crystallize the local socio-economic component for the

targeted areas. The consultant is assisted by a specialist in Maps of Risks and d Resources who started his work in July 2007. In the light of consultant work, unofficial Local Economic Development Agencies will be formed in the first stage to propose the economic development plans and to follow-up the implementation of the relevant programs

## Social & Economic Development contracts awarded in 2007

			External funding	Start Date	
<b>Technical assistance</b>			<b>4,218,886.5</b>		
<b>Institutional development</b>					
1515 / 00	Community development				
4374 / 00	Grey Water Network Disposal	w	14,130	IBRD	Feb/2007
4680 / 00	Purchase of Agricultural Equipments	w	44,427	IBRD	Feb/2007
4681 / 00	Purchase of Agricultural Equipment	w	39,850	IBRD	Feb/2007
4682 / 00	Purchase of Agricultural Equipments	w	50,000	IBRD	Feb/2007
4683 / 00	Equip the Fisherman Cooperative	w	49,900	IBRD	Feb/2007
4684 / 00	Purchase of Agricultural Equipments	w	49,200	IBRD	Feb/2007
4685 / 00	Project Support Milk Products	w	50,000	IBRD	Feb/2007
4686 / 00	Rehabilitate center of the olive press & Purchase of agricultural equip	w	34,200	IBRD	Feb/2007
4687 / 00	Installations for a new Computer Center	w	47,455	IBRD	Feb/2007
4688 / 00	Purchase of a Grinding Mill	w	44,995	IBRD	Mar/2007
4689 / 00	Purchase Equipment for Imdad Center for care and Rehabilitation	w	50,000	IBRD	Feb/2007
4690 / 00	Purchase of Agricultural Equipments	w	50,000	IBRD	Feb/2007
4691 / 00	Drinking Water Distribution	w	29,600	IBRD	Feb/2007
4692 / 00	Distribution of Drinking Water in Taybeh	w	47,390	IBRD	Feb/2007
4693 / 00	Purchase of an Agricultural Tractor	w	30,900	IBRD	Mar/2007
4694 / 00	Purchase of Agricultural Equipments and Electric Generator	w	50,000	IBRD	Feb/2007
4695 / 00	Rehabilitation of Conine Water Pond	w	50,000	IBRD	Feb/2007
4696 / 00	Builed the Capacities of Beekeepers	w	46,440	IBRD	Feb/2007
4697 / 00	Purchase of Agricultural Equipments	w	46,700	IBRD	Feb/2007
4698 / 00	Building a Sport Stadium	w	50,000	IBRD	Feb/2007
4699 / 00	Purchase of Agricultural Equipments	w	50,000	IBRD	Mar/2007
4700 / 00	Support of Single House Household	w	46,680	IBRD	Feb/2007
4701 / 00	Sport and Recreational Facilities	w	48,525	IBRD	Feb/2007
4702 / 00	Equiping Younine Center	w	49,000	IBRD	Feb/2007
4703 / 00	Rehabilitation of Maydaneh Field	w	49,325	IBRD	Feb/2007
4704 / 00	Rehabilitation of Kfartebnite Natural Pond	w	49,800	IBRD	Feb/2007
4705 / 00	Rehabilitation and Provision of Equipment for Health Center in Kafarkila	w	47,650	IBRD	Feb/2007
4706 / 00	Provision of Olive Press	w	50,000	IBRD	Mar/2007
4707 / 00	Dairy Product Factory	w	49,450	IBRD	Mar/2007
4708 / 00	Solid Waste Disposal in El Khiam	w	49,117	IBRD	Feb/2007
4709 / 00	Provision of Water Treatment Unit and Refuse disposal Track in Boudai	w	46,131	IBRD	Feb/2007
4710 / 00	Beekeeping in Nabi Chit	w	50,000	IBRD	Feb/2007
4711 / 00	Purchase of Agricultural Equipments	w	50,000	IBRD	Feb/2007
4712 / 00	Distribution of Olive Trees	w	50,000	IBRD	Feb/2007
4713 / 00	Purchase of Agriculture Equipments and Fruitfull Trees	w	47,863	IBRD	Feb/2007
4714 / 00	Harvesting of Oregano	w	44,000	IBRD	Feb/2007
4715 / 00	Purchase of Electric Generator for Water Plant	w	38,250	IBRD	Mar/2007
4716 / 00	Distribution of Banana Trees Cutting for Farmers	w	50,000	IBRD	Mar/2007
4717 / 00	Veterinarian Assistance	w	49,410	IBRD	Feb/2007

## Social & Economic Development contracts awarded in 2007 (cont'd)

				External funding	Start Date
4718 / 00	Medical Equipment for Dispensary in Mayfadoun	w	45,160	IBRD	Mar/2007
4719 / 00	Medical Equipment for Rent	w	48,625	IBRD	Feb/2007
4720 / 00	Special Rescue Ambulance	w	50,000	IBRD	Feb/2007
4721 / 00	Improve the Composting Unit	w	49,990	IBRD	Mar/2007
4722 / 00	Reclamation of Burnt Fields in Srafa	w	49,800	IBRD	Mar/2007
4723 / 00	Reclamation of Burnt Fields in Aadshit	w	49,800	IBRD	Mar/2007
4724 / 00	Packaging of Olives and Olive Oil in Alma	w	49,000	IBRD	Mar/2007
4725 / 00	Equipment for Public Schools	w	49,640	IBRD	Mar/2007
4726 / 00	Equipment for a Soap Factory in Debel	w	46,375	IBRD	Mar/2007
4727 / 00	Reclamation of War-Affected Agricultural Lands	w	49,820	IBRD	Feb/2007
4736 / 00	Purchase of Agricultural Equipments	w	50,000	IBRD	Mar/2007
4737 / 00	Purchase of Agricultural Equipments	w	50,000	IBRD	Mar/2007
4738 / 00	Equipment for the Center of Ex. Detainees	w	46,343	IBRD	Mar/2007
4739 / 00	Development of Agricultural Sector in Borj Qualawieh	w	47,232	IBRD	Mar/2007
4740 / 00	Support Women Cooperatives in South Lebanon and Bekaa	w	49,110	IBRD	Mar/2007
4741 / 00	Support of Small Scale Construction Entrepreneurs	w	43,194	IBRD	Mar/2007
4742 / 00	Rehabilitation of School in Chebaa	w	48,738	IBRD	Mar/2007
4743 / 00	Beekeeping in Khiam	w	50,000	IBRD	Mar/2007
4744 / 00	Provision of Olive Press in Ebel El Saki	w	50,000	IBRD	Mar/2007
4745 / 00	Health and Agricultural Services in Baraachite and Surroundings	w	49,500	IBRD	Mar/2007
4746 / 00	Support of Local Community in Kfarchouba , Rachaya El Fokhar	w	49,512	IBRD	Mar/2007
4747 / 00	Refuse disposal truck	w	46,650	IBRD	Mar/2007
4748 / 00	Rehabilitate of 5 Sports Stadiums in El Tyry	w	47,103	IBRD	Mar/2007
4749 / 00	Repair Water Networks in Tyry	w	46,655	IBRD	Mar/2007
4750 / 00	Medical Equipment for Amel Center in Bazourieh	w	49,054	IBRD	Mar/2007
4751 / 00	Purchase and Equip an Ambulance	w	44,919	IBRD	Mar/2007
4752 / 00	Rehabilitation of Agricultural Road	w	49,930	IBRD	Mar/2007
4753 / 00	Water Harvesting Tank in Yaroun	w	50,000	IBRD	Mar/2007
4755 / 00	Medical Equipment for Health Center in Bint Jbeil + Ambulance	w	49,500	IBRD	Mar/2007
4756 / 00	Daycare Center	w	40,505	IBRD	Apr/2007
4757 / 00	Improve the Health Status of Residents in Arkoub	w	50,000	IBRD	Mar/2007
4758 / 00	Establishment of a Green House for Banana Trees Production	w	49,680	IBRD	Mar/2007
4759 / 00	Olive Press in Jarjoua	w	50,000	IBRD	Mar/2007
4770 / 00	Purchase of Agricultural Equipment	w	27,800		May/2007
4771 / 00	Recreational Facilities	w	30,000		May/2007
4772 / 00	Purchase of Food Processing Equipment	w	30,000		May/2007
4773 / 00	Information Technology	w	22,671		May/2007
4774 / 00	Purchase of Agricultural Equipment	w	30,000		May/2007
4775 / 00	Swimming Pool for Children with Special Needs in Bednayel	w	30,000		May/2007
4776 / 00	Equip a Computer Center for Orphans and Marginalized youth in Baalbeck	w	27,990		May/2007
4777 / 00	Rehabilitation of a playground in Zahle	w	23,720		May/2007

## Social & Economic Development contracts awarded in 2007 (cont'd)

			Contract amount (in USD)	External funding	Start Date
4778 / 00	Equipment for an Olives Press	w	30,000		May/2007
4779 / 00	Computer Center in Aadloun	w	19,475		May/2007
4780 / 00	Training on Information Technology	w	25,030		May/2007
4781 / 00	Purchase of Agricultural Equipment	w	30,000		May/2007
4782 / 00	Equip a Sport Center in Aabra	w	18,726		May/2007
4796 / 00	Assist Civil Organizations in Developing their Artizanal / Agr Product	w			Jun/2007
4797 / 00	Installation of Irrigation Systems in Nabha	w	30,000		Jun/2007
4798 / 00	Rehabilitation of a Sport Stadium in Jdeidit Marjeyoun	w	30,000		Jun/2007
4799 / 00	Rehabilitation and Equipment for an Artizanal Location in Baalbeck	w	26,450		Jun/2007
4800 / 00	Public Garden for Marjeyoun National College	w	30,000		Jun/2007
4801 / 00	Purchase of Agricultural Equipment	w	21,300		Jun/2007
4802 / 00	Establish a Computer Center	w	5,005		Jun/2007
4803 / 00	Maintenance of Water Reservoir in Aayshieh	w	17,450		Jun/2007
4804 / 00	Establish a Computer Center in Old Sidon	w	23,000		Jun/2007
4805 / 00	Rehabilitation of a Mollasis Mill Press in Baalbeck	w	30,000		Jun/2007
4819 / 00	Inst of a heating syst in an orphanage at the lib complex in Bint Jbeil	w	50,000	IBRD	Oct/2007
4820 / 00	Rehabilitation of a sports stadium in Tebnine	w	50,000	IBRD	Oct/2007
4827 / 00	Purchasing of medical equipment for an NGO in Sultan Yacoub village	w	50,000	IBRD	Oct/2007
9169 / 00	Monitoring and evaluation plan of the Community Development Project	c	98,750	IBRD	Jan/2007
9187 / 00	Individual Consultant for the CDP - Procurement Officer Assistant	c	25,300		Feb/2007
<b>Capital investment</b>			<b>4,900,353.8</b>		
<b>Development project</b>					
<b>1550 / 00</b>	<b>Economic and Social Fund for Development</b>				
4831 / 00	Improvement of living conditions in the community of Al-Kwachra	w	410,959	EU	Jul/2007
4832 / 00	Improvement of living conditions in the municipality of Mhamara	w	410,959	EU	Jul/2007
4833 / 00	Improvement of living conditions in Sabra & Chatila	w	547,945	EU	Jul/2007
9156 / 00	ESFD Project - Community Development Officer + Add no.1	c	44,000		Jan/2007
9164 / 00	ESFD Project - Community Development Manager	c	23,333		Jan/2007
9293 / 00	Improvement of living conditions in the community of old Mina	w	547,945	EU	Jul/2007
9294 / 00	Improvement of living conditions in the Municipality of Adchit	w	410,959	EU	Jul/2007
9295 / 00	Improvement of living conditions in the Municipality of Denbo	w	410,959	EU	Jul/2007
9296 / 00	Imp. of living cond. in the cluster of Loubieh, Qoneutra, Khzeyz	w	342,466	EU	Jul/2007
9297 / 00	Improvement of living conditions in the Municipality of Aarsal	w	547,945	EU	Jul/2007
9298 / 00	Improvement of living conditions in the cluster of Touline, Adchit El Qsayr	w	410,959	EU	Jul/2007
9299 / 00	Imp. of living conditions in Boustan, Al zalloutieh, Al Joubayan	w	410,959	EU	Jul/2007
9300 / 00	Imp. in the cluster of El Mery, EL Majidiyyeh and Helta	w	342,466	EU	Jul/2007
9347 / 00	ESFD Project - Senior Expert in Community Development	c	38,500		Sep/2007
<b>Sector Totals</b>			<b>9,119,240</b>		

## Social & economic development      Contracts in preparation (Cont'd)

				Progress Status	Estimated Amount	Funding Source	Indicative start date
<b>Technical Assistance</b>							
<b>1032</b>	Enhancing National Capacity Building and Partnership for Human Development	Design Phase	c		417,710	UN	Jan/2007
<b>1097</b>	Compiling a bibliographical database disaggregated by gender	Design Phase	c		300,000	UN	Jan/2007
<b>1346</b>	Transfer of knowledge through Expatriate Nationals (TOKTEN)	Design Phase	c		155,000		Jul/2007
<b>Capital Investment</b>							
<b>Economic Social Fund For Development</b>							
<b>1284</b>	ESFD		w		4,289,013	Local	Nov/2006
<b>Community Development Project</b>							
<b>1249</b>	Contingencies		w		5,388,588	IBRD	Oct/2006
<b>1413</b>	Small Fast Projects (package 6th)	Design Phase	w		619,317	IBRD	Oct/2006
<b>Social and Economic Development</b>							
<b>912</b>	North and South Lebanon (National Program for Poverty Alleviation).	Project identification	w		600,000	UN	Jan/2007
<b>1414</b>	ART GOLD LEBANON	Design Phase	w		8,292,383	ITALY	Sep/2006
<b>1482</b>	Construction of Nabatiyeh Slaughter House	Design Phase	w		10,000,000	IRAN	Dec/2008
<b>Sector Totals</b>					<b>30,062,011</b>		

# Land Use and Environment



This sector is comprised of three components:

- 1) Land use planning and urban development.
- 2) Environment and tourism projects
- 3) Urban and economic development

## Land Use Planning and Urban Development

### Achievements to date

#### *Comprehensive land use plan:*

This comprehensive land use plan constitutes the general framework for preparation of the land use policy and for providing the basic requirements for all the regions of Lebanon over the long term. Eventually, it shall form the basic reference for local urban planning

regulations, as well as for programming of sectorial investments.

CDR prepared the comprehensive Land Use Plan, in collaboration with Dar al Handassah (Sha'ir and Partners) and the Institute of Regional Planning of Ile de France (IAURIF) joint venture. Work started in 2002 and the final study was completed in May 2004. It should be noted that this study consisted of three phases:

**Phase 1:** Diagnosis and analysis of the actual land situation, characteristics and obstacles, in addition to preparation of maps identifying land use, infrastructure networks and zoning of various activities and residential areas and others. Phase 1 also highlighted





*CHUD - Rehabilitation of Mamlouk Building - Sour*

the future challenges and basic available options.

**Phase 2:** Preparation of the policy and first draft of the comprehensive land use plan and discussing it with the parties concerned.

**Phase 3:** Preparation of the final plan including its implementation schedule in the short, medium and long terms, in addition to final drawings and data.

Within the framework of this project, a geographical data base for a Geographic Information System (GIS) was prepared. This formed the basis needed for completing the work. The plan is expected to be updated and revised every four or five years. An Atlas of Lebanon was also prepared. The National Council for Scientific Research assumed the printing, publishing and marketing of this atlas.

Following approval of the Higher Council for Urban Planning and CDR, this plan was referred to the general secretariat of the Council of Ministers in September 2005,

accompanied by a draft decree for review by the Council of Ministers.

During the waiting period for the Council of Ministers' approval of the draft decree, CDR proceeded to perform some activities that aim to disseminate this plan and to implement some of its recommendations.

Within this framework, coordination was secured with the IPP MSC-CDR work unit, financed from the EU grant, to perform the following activities:

A series of periodic workshops were conducted in all the regions of Lebanon. A large number of public administrations, central and regional establishments, in addition to universities, NGOs, the Syndicates of Engineers and international financing institutions participated in these workshops. As a result, CDR issued a report summarizing the comments recorded during these workshops. During November 2005, a juristic colloquium was held to discuss legislations relevant to the coastal regions, mountain summits and

natural reserve areas in order to prepare draft laws for implementing some of the recommendations included in the Comprehensive Land Use Plan. As a result of this colloquium, some recommendations were made which CDR shall take into consideration in preparing the draft laws.

TV spots covering land use planning in Lebanon were developed and broadcasted on TeleLiban.

The plan report was translated from French to Arabic and English and 5000 copies were printed for dissemination.

A report was prepared to define the framework of action that may be adopted to implement the recommendations of the Comprehensive Land Use Plan of Lebanon.

### **Projects under execution**

During 2007, CDR continued its work on disseminating the Comprehensive Land Use Plan by organizing additional workshops aimed to reach the greatest number of society groups, through the media, CDR's internet site, as well as distribution of the report to the

greatest number of interested parties.

CDR is also keeping abreast of land studies and use projects. Within this context, CDR has been commissioned by the Council of Ministers to secure funding for preparing the master plan for the Lebanese coast. For this purpose, CDR will probably prepare the terms of reference for this study after coordinating the process with several public administrations. CDR also contacted many international funding agencies which will possibly offer financial support for this study. This study is expected to start in the second half of 2009.

### Projects under preparation

- Preparation of the Master Plan for the Lebanese coast: One of the most important projects within the framework of land use planning which CDR might launch, during 2008, in coordination with the Ministry of Public Works and Transportation, is the preparation of a master plan for the Lebanese coast. This will start as soon as the relevant funding is secured.

- Local development of North Lebanon: This project is estimated to cost about 18 million euros and it is expected to be financed through a grant from the EU. This project aims to enhance the agricultural and environmental sectors in North Lebanon, particularly in Akkar region, by providing consulting services and technical support to identify priority activities and projects that will activate local economy and raise standard of living. The project also includes the implementation and funding of

identified projects and activities, in cooperation with local leaders, elected members and the local community and civil society. Duration of the project is 48 months. Expected date of implementation is second half of 2009.

### 2-Environmental and Tourism Projects

#### Achievements to date

*Environmental Master Plan for the Litani River and Qaraoun Lake:* This project was funded through a grant from the Swedish Agency for International Development.

*Capacity Building, the Ozone Layer, Biodiversity and Climate Change:* Several capacity building projects have been completed (Capacity 21, phases 1 and 2), the Ozone Layer (The Ozone - Office, phase 1) and Biodiversity (The National Strategy for Biodiversity), the Work Plan and Capacity Building for Change, under the direct management of the Ministry of Environment. The total costs of these projects amounted to about US \$ 2.1 million financed by the United Nations Development Program (UNDP), the Global Environmental Facility (GEF) and the Lebanese Government. *SPAZI and LEDO:* Two projects were implemented by the Ministry of Environment and Funded by the EU, the first involved the establishment of the facility for "Local Administration of Urban Environment for Developed Countries" (SPAZI) (promoting the licensing and control system for industries) at a cost of US \$ 365,000. The second covered the

establishment of the Lebanese Environment and Development Observatory (LEDO) at a cost of US \$ 371,000. *Methyl Bromide Alternatives Project:* This project was implemented by MoE and funded by UNDP, the Montreal Protocol Unit – the Multilateral Fund (UNDP /MPU-MLF) (US \$ 328,000). *Multifunctional project including a trade and environment project:* This project was managed by MoE and funded by UNDP/UNCTAD (US \$40,000).

*Conservation of Agricultural Diversity project:* This project was managed by the Agricultural Research Institute (Ministry of Agriculture) and financed by GEF (US \$ 1.5 million). *Protected Areas Conservation Project:* This project was financed by GEF and managed by MoE at a cost of US \$ 2.5 million. *Permanent organic pollutants project (POPs):* This project was funded by GEF and implemented by the Ministry of Environment (US 433,000). *Strategic Environmental Assessment of Land Use Planning:* This project was implemented by the Ministry of Environment and funded by EU-Life project/UNDP (US \$ 414,000). *Preparation of Environmental Master Plan for the Management of Sour Natural Reserve and Ammiq Wetlands:* This project is funded by the French Fund for Global Environment (FFEM) (462,000 euro) as well as a small grant from RAMSAR (US \$ 22,000) and managed by Ministry of Environment.

*Capacity Building/Institutional Strengthening/ Planning:* This project aimed at strengthening the Permanent Environmental

Information Unit at MoE, and is funded by EU- Local Initiative for the Urban Environment Facility (US \$ 235,000). *The Investment Planning Program (IPP) (Environment)*: This project is funded by the EU, this program contributed, through the consultancy unit at MoE, to the planning, preparation and follow – up of projects in several domains (US \$ 1.7 million). *Support for promulgating and Implementing of Environmental Laws in Lebanon*: Financed by the EU, at a cost of about US \$ 700,000.

*Energy Efficient Building Program*: Managed by the Directorate General of Urban Planning and financed by GEF (US \$ 494,000). *Support of Environmental Planning and Management at the Local Level (TARGET)* managed by MoE and funded by EU (US \$ 630,000). *The Energy Center*: Managed by the Ministry of Energy and Water and financed by GEF (US \$ 3.9 million). *Preparation of a national framework for biosafety*: Financed by GEF and managed by UNDP (US \$ 160,000).

*Comprehensive Tourism and Development Plan for Zahle, Baalbeck and Bcharri*: CDR, in cooperation with the Ministry of Tourism, prepared a comprehensive tourism and development plan for Zahle, Baalbeck, Bcharri and the Cedars region, financed by Japan (JICA). The preparation of this study started in April 2003 and ended in March 2004. The cost was about US \$ 1.5 million. The main objective is to determine the basic needs for the development of tourism and eco-tourism and to

provide economic feasibility studies for pilot projects, to be implemented at a later date for the development of mountainous and rural regions. CDR, in cooperation with Ministry of Tourism, prepared the execution program and is currently seeking donors to finance this phase.

#### **Progress of work in current projects**

Work is progressing in the following projects which cover a variety of thematic areas, including the conservation of animal, plant and cultural wealth, climate change, reducing air pollution, protection from toxic materials, enactment of laws, institutional capacities technology and general environmental issues (total cost US \$ 15 million).

#### **Conservation of Animal, Plant and Cultural Wealth**

*Integrated Management of Cedar Forests*, in cooperation with other countries in the Mediterranean area. The project is funded by GEF (US \$ 1.2 million).

*Rehabilitation of quarry sites to the benefit of MoE*: Funded by EU- LIFE program and UNDP (US \$ 463,000).

*Cleaning the Lebanese coast from oil pollution caused by July war* (US \$ 1,2 million)

*The National Action Project to Combat Desertification*: Implemented by the Ministry of Agriculture and funded by GEF (US \$ 280,000).

#### **Reducing air pollution**

*Institutional Support for the Ozone Office at MoE in Lebanon (Phase IV)*, funded by GEF (US \$ 155,000).

The National Action Program for

*Disposal of Substances Depleting the Ozone Layer*: Financed by the Multilateral Fund (MLF) of the Montreal Protocol/UNDP (US \$ 2 million).

*Methyl Bromide Alternatives projects for the Industrial Sector*: Managed by MoE and funded by the United Nations Industrial Development Organization (UNIDO) (US \$ 1.3 million).

*Methyl Bromide Alternatives Projects for the Agricultural Sector*: Managed by MoE and the private sector, and funded by the Multilateral Fund (MLF) of the Montreal Protocol/UNDP (US\$ 3.2 million).

#### **Enactment of laws and institutional capacities technology**

*Early Coordination of Projects* planned and implemented by donor organizations, and *Development of Activities in Preparation for UN World Climate Change Conference* (US \$ 200,000 for both projects).

#### **General Environmental Issues**

*Management of Small Grants*: Funded by GEF and managed by UNDP. This project will finance a number of small – scale pilot projects run by NGOs, within the framework of nature conservation (US \$ 200,000).

*Self Assessment of Lebanon's National Capacities for Global Environment Management*, funded by GEF (US \$ 200,000).

#### **Integrated Management of the Environment**

*Cleaner Production Program*, funded by EU, the Austrian Embassy and UNIDO (US \$ 455,000).

### Management of Solid and Liquid Waste

Management of Solid Waste (METAP), funded by the EU (US \$ 180,000).

Integrated Management of Olive Oil Extraction Waste in Lebanon, Syria and Jordan, financed by the EU-SMAP and UNIDO (2 million euro).

### Projects under preparation

A number of contracts are under preparation (total value of US \$16 million) in the following fields:

Environment Fund Project: Financed by the German government through the German Technical Cooperation agency (GTZ) and supervised by MoE and CDR. This project is vital for securing technical and financial support to multifaceted pilot development projects with economic, environmental and social benefits to all Lebanese regions including those that were damaged during July war.

Improvement of Power Consumption Efficiency in Public Buildings and Facilities (South, Baka'a and Akkar), financed by the Spanish government through the UN- Lebanon. Project cost is US \$ 2.73.

Permanent Organic Pollutants (POP) generated by medical waste (US \$ 1 million).

Support for the National Forestation Plan (US \$ 1 million). "Toward a Sustainable Energy Production" program (US \$ 400,000).

Classification and Licensing of Electrical Equipment and Machines (US \$ 1 million).

Classification of Building Facing Migration Birds (US \$ 1 million).

Conservation of Medicinal Herbs (US \$ 1.5 million).

Securing Employment Opportunities for Rural Inhabitants (US \$ 200,000).

### 3-Economic and Urban Development

*Cultural Heritage Preservation and Urban Development:*

CDR, in coordination with the Directorate General of Antiquities, the Ministry of Culture and the concerned municipalities, commenced the implementation of a project for the preservation of cultural heritage and urban development in five ancient cities: Tripoli, Jbeil, Saida, Sour and Baalbeck. The project aims to upgrade the historical

infrastructure and archaeological sites of these cities, create appropriate conditions for local economic development and provide the required technical assistance for improving the organization, protection and management of cultural heritage.

The components of the project are: *Rehabilitation of Historical Sites and Part of Infrastructure in the Five Cities:* This component includes the rehabilitation and creation of parks and green spaces; rehabilitation of certain streets and pedestrian walkways, rehabilitation, protection and specifying the usage of certain historical buildings, support and encouragement of economic activities associated with tourism, assistance in the rehabilitation of certain old houses; organizing traffic in touristic areas and establishing car parks. In addition, certain streets shall be provided with potable water connections and the wastewater networks shall be rehabilitated.

*Protection, Maintenance and Management of Archaeological Sites:* Development of archeological sites in Baalbeck,



CHUD - Rehabilitation of Historic Building - Baalbeck



CHUD - Rehabilitation of Old Souk Facades - Tripoli

Saida and Sour including: Research and documentation, restoration and reinforcement of Bachus and Jupiter temples in Baalbeck and the terrestrial castle in Saida, management of archeological landmarks, protection and perpetration of sites for receiving visitors, such as establishment of visitor and information centers.

*Technical Assistance for Institutions Involved in Implementing the Project:* This includes all activities that may improve the performance of involved institutions and sustainability of the project. These institutions are the municipalities of the five cities, the Directorate of Antiquities and the Directorate of Urban Planning. This project is vital for the revival of tourism in these cities, development of associated geographic, economic and social infrastructure which will eventually lead to local economic development and creation of new job opportunities.

### **Achievements to date**

-During 2003, funding for implementing the following works was secured as follows:

A loan agreement with the International Bank for Reconstruction and development (IBRD), for US\$ 31.5 million, approved by the Council of Ministers pursuant to Decree No. 10858 dated 9/9/2003 and ratified by the parliament pursuant to Law No. 555 dated 31/1/2004.

A loan agreement with the French Development Agency, for 12 million euro, approved by the

Council of Ministers pursuant to Decree No. 11163 dated 14/10/2003 and ratified by the parliament pursuant to Law No. 556 dated 30/1/2004.

On May 3, 2006 CDR, signed an executive agreement for the part of the cultural heritage project allocated from the Italian protocol (10 million euro).

On December 28, 2007, CDR signed a grant agreement with the French Development Agency, for 500,000 euro, to support the Directorate of Antiquities. The agreement was approved by the Council of Ministers pursuant to Decree 1058 dated 24/11/2007.

CDR completed, in 2002 the detailed design studies and tender documents for the works of the first phase of the five cities project (US \$ 12 million).

CDR established a project management unit (PMU) which consists of consultants responsible for follow-up and management of the project. For this purpose, CDR recruited a project coordinator specialized in planning and urban and economic development, an architect specialized in restoration works, a civil engineer, a sociologist and an archeologist responsible for the works associated with the Directorate of Antiquities.

Local municipal management units composed of engineers, specialists, sociologists and economists were established for the project in the five cities. CDR recruited six specialists who will be responsible for the local management and follow-up of the project, in coordination with relevant

municipalities. Their responsibilities include: preparation of the technical studies, supervision of works, coordination and cooperation with municipal, administrative and technical authorities, the Directorate General of Urban Planning and Antiquities, the offices of the Ministry of Tourism and other public institutions involved in implementation of the project in the five cities, in addition, to coordination with the general population, local communities, NGOs and civil societies during all phases of the project.

In 2004, the consultants completed the detailed designs and tender documents related to the first part of works for the five cities (US \$ 12 million). This enabled CDR to launch the invitation to tender and award the contracts related to the rehabilitation and restoration works in the five cities.

The first phase works started in the summer of 2005 in Sour, Tripoli, Baalbeck, Jbeil and Saida, consecutively.

Supervision contracts for the five cities were awarded in the summer of 2005.

- CDR signed the contract covering the economic, tourism and social impact assessment of the project in the five cities at the end of 2005.

During 2006, CDR awarded the contract covering the preparation of detailed designs and tender documents of the second phase works in Sour, Tripoli, Jbeil and Baalbeck. This enabled CDR to launch, in 2007, the tendering

process and to award the relevant infrastructure and restoration works.

The Consultants completed the traffic plans, traffic flow organization and adequate parking plots for a number of historical cities.

The supervision contract covering the environmental impact assessment of the project in the five cities has been awarded.

### Projects in progress

Preparation of detailed designs for first and second phases of works in the five cities.

Preparation of the first phase of economic, tourism and social impact assessment of the project in the five cities.

Supervision on the environmental impact assessment in the five cities.

Preparation of detailed designs for the first phase of rehabilitation of archeological sites in Baalbeck and Sour.

#### 1. Baalbeck

Restoration works of clay houses in Hey Al –qalaa (Phase 1) are completed.

Rehabilitation works of roads, public squares and infrastructure (Southern entrance and Hey Al-qalaa) are completed.

Rehabilitation works of roads, public squares and infrastructure (Northern entrance) are completed.

#### 2. Jbeil

Rehabilitation works of roads, public squares and infrastructure (Phase 1) are completed.

Rehabilitation works of roads, public squares and infrastructure (Phase 2) have been awarded.

#### 3. Saida

Rehabilitation works of old Saida

markets, Phase 1 (Bab Al- Saray Square and tourist passageway) are completed.

Rehabilitation works of old Saida markets, Phase 1 (Al Souk) are completed.

#### 4. Tripoli

The following works were completed:

- Rehabilitation works of Hammam Ezzeddine.
  - Rehabilitation works of Block–A building that will accommodate habitants transferred from Kan Al- Askar.
  - Rehabilitation works of Block–B building that will accommodate habitants from Kan Al- Askar.
  - Rehabilitation of Al Swaika building facades- in Bab Tibbaneh Street.
  - Rehabilitation of the northern market building facades, first group.
  - Rehabilitation of the northern market building, facades, second group.
  - Rehabilitation of the roads and public squares in the northern markets.
  - Rehabilitation of Al Burtassi mosque peripheries and Abu Ali River banks and construction of an awning above a section of the banks lying within the old city.
  - Launching the invitation to tender related to the construction works of Block C building that will accommodate the inhabitants transferred from Khan Al Askar.
  - Preparation of the detailed designs for the rehabilitation of Tripoli Castle.
- Launching technical assistance project, Tripoli municipality.

#### 5. Sour

The following works were completed:

- Preparation of Sour archeological map.
- First phase of works (rehabilitation of western corniche)
- First phase of works (cultural passage adjacent to the archeological site).
- Fisher Port and Gate Square rehabilitation works.
- Rehabilitation works of the wall supporting Sour archeological site.
- Launching the technical assistance project- Sour Municipality.

### Projects under Preparation

CDR is currently preparing the following studies and documents:

Tender documents for the preparation of the detailed designs related to the rehabilitation of Baalbeck and Sour archeological sites.

Tender documents for the preparation of the detailed designs related to the rehabilitation of Shquif Castle.

Tender documents for the preparation of the detailed designs related to the rehabilitation of Beit Eddine Palace.

Preparation of administrative support plan for urban planning. Plans related to associated social projects.

Plans related to local economic development of the old souks in the five cities.

Tourism promotion plan for the cities covered by the project.

#### 1. Baalbeck

Tender documents for the preparation of the detailed designs related to Gourou Barrack rehabilitation.

Launching the second phase

works (Ras Al Ain, Abd Al Halim and Salih Haidar streets).

## 2. Saïda

- Tender documents for the preparation of the detailed designs related to Khan Al Qashlet rehabilitation project.
- Tender documents for the preparation of the detailed designs related to terrestrial hall rehabilitation project.
- Tender documents for the rehabilitation works of the old city squares and seafront building facades.
- Tender documents for the

rehabilitation works of Shakrieh Street and archeological excavation site.

- Tender documents for the rehabilitation works of two traditional buildings in the old city.

## 3. Tripoli

Tender documents for the construction works of Block C building that will accommodate the transfer of inhabitants of Khan Al Askar.

Tender documents for the rehabilitation of Tripoli castle.

Tender documents for the

preparation of the detailed designs related to the rehabilitation of the archeological Aam mill.

Tender documents for preparation of the detailed designs related to the rehabilitation of three archeological milestones in Tripoli: Khan Al Askar, Khan Al Arsat and Hamman Al Noury.

## 4. Sour

Launching the tender related to the second phase works (Fishermen port)

Launching the tender related to the second phase works (Sahit Al Bawabi).

## Land use & Environment Sector overview

	Total		completed		in progress		
	*No	Amount	*No	Amount	*No	Amount	prog
<b>Technical assistance</b>	<b>25</b>	<b>39.8</b>	<b>22</b>	<b>34.5</b>	<b>3</b>	<b>5.3</b>	<b>70%</b>
<b>Planning/policy studies: Land use planning</b>							
1279 / 00 Beirut central district infrastructure	c	6	1.9	6	1.9		
1279 / 00	w	1	29.0	1	29.0		
1283 / 00 Land use planning	w	1		1			
1301 / 00 Tripoli and Al-Mina gardens	c	1	0.3	1	0.3		
1319 / 00 Coastal zone management.	c	2	2.5	1	0.3	1	2.2 90%
1478 / 00 Other studies	c	9	3.3	7	0.3	2	3.0 55%
1478 / 00	w	2	0.5	2	0.5		
1535 / 00 Enviromental planning & Development	c	2	0.1	2	0.1		
<b>Institutional strengthening</b>							
1537 / 00 Technical Assistance for Ministry of Enviroment	c	1	2.1	1	2.1		
<b>Capital investment</b>	<b>76</b>	<b>43.4</b>	<b>41</b>	<b>13.5</b>	<b>35</b>	<b>29.9</b>	<b>21%</b>
<b>Reforestation</b>							
1187 / 00 Reforestation	c	1	0.2	1	0.2		
1277 / 00 Rehab Bois des Pins	c	3	0.2	2	0.2	1	75%
1277 / 00	w	2	1.7	2	1.7		
1374 / 00 Forest fire prevention	c	2	1.6	2	1.6		
1374 / 00	w	3	2.1	3	2.1		
<b>Land development projects</b>							
1388 / 00 Development of Plot 1220, Ras Beirut	c	3	2.3	3	2.3		
1388 / 00	w	1		1			
1477 / 00 Other projects in Beirut	c	3	0.2	3	0.2		
1477 / 00	w	4	0.2	4	0.2		
<b>Environmental preservation measures</b>							
1545 / 00 Protection of Environmental Sensetive sites	c	1	0.2	1	0.2		
<b>Urban conservation</b>							
1508 / 00 Ancient city preservation	c	3	0.5	3	0.5		
1508 / 00	w	1	2.7			1	2.7 6%
1542 / 00 Cultural Heritage & Urban Development (CHUD)	c	32	5.4	15	1.6	17	3.8 37%
1542 / 00	w	17	26.1	1	2.7	16	23.5 21%
<b>Sector Totals</b>		<b>101</b>	<b>83.2</b>	<b>63</b>	<b>48.0</b>	<b>38</b>	<b>35.2 29%</b>

## Land use & Environment contracts awarded in 2007

				Contract amount (in USD)	External funding	Start Date
<b>Capital investment</b>				<b>17,640,650.3</b>		
<b>Urban conservation</b>						
1542 / 00	Cultural Heritage & Urban Development					
4836 / 00	Rehabilitation of Abou Ali River Banks - Tripoli old city - CHUD	w		8,719,477	FRANCE-AFD IBRD	Dec/2007
9279 / 00	EMP in Baalbeck , Byblos , Saida , Tripoli and Tyre		c	185,197	IBRD	Sep/2007
9353 / 00	Head of Division of infrast at the municipal office of old Tripoli - CHUD		c	16,500	FRANCE-AFD	Dec/2007
<b>Sector Totals</b>				<b>17,640,650</b>		

## Land use Planning & Environment Contracts in preparation (Cont'd)

				Progress Status	Estimated Amount	Funding Source	
<b>Technical Assistance</b>							
<b>1262</b>	Project Management Unit - Economist for Tripoli		Project identification	c	24,000	IBRD	Feb/2008
<b>1263</b>	Project Management Unit - Social development specialist for Sour		Project identification	c	24,000	IBRD	Jan/2008
<b>1264</b>	Project Management Unit - Architect for Saida		Project identification	c	30,000	IBRD	Feb/2008
<b>Capital Investment</b>							
<b>949</b>	Studies & supervision for the Rehab of historic sites - Sour & Baalbeck		Tendering Phase	c	450,000	IBRD	Jan/2008
<b>1258</b>	Urban rehab works - Tripoli phase 2: Studies		Project identification	c	263,500		Jan/2008
<b>1290</b>	Tripoli Traffic Improvement Works		Design Phase	w	8,000,000	FRANCE-AFD IBRD	Feb/2008
<b>1453</b>	Construction of a retaining wall for the sea front of some Archeological sites in Tyre		Design Phase	w	257,000	IBRD	Jan/2008
<b>1541</b>	Construction of Block C building to accommodate the displacement from Khan Al Askar		Design Phase	w	1,100,000	IBRD	Jan/2008
<b>1542</b>	Rehabilitation of Khan Al Askar		Design Phase	w	2,500,000	IBRD	Nov/2008
<b>1543</b>	Rehabilitation of Tripoli Castle		Design Phase	w	450,000	FRANCE-AFD	Feb/2008
<b>1544</b>	Rehabilitation of the fisherman port and historical building in Tyre (phase 2)		Design Phase	w	3,400,000	FRANCE-AFD	May/2008
<b>1545</b>	Rehabilitation of Hamra square and Gate		Design Phase	w	3,100,000	IBRD	May/2008
<b>1546</b>	Rehabilitation of archeological sites in Tyre (pahse 1)		Design Phase	w	2,446,000	IBRD	Oct/2008
<b>1547</b>	Constructions for the square of Bab El Serrai & El Chakerieh & Electrical work in Saida (phase 2)		Design Phase	w	3,600,000	IBRD	Jul/2008
<b>1548</b>	Rehabilitation of Deir El Qalaa		Design Phase	w	700,000	Local	
<b>Sector Totals</b>					<b>26,344,500</b>		



# Water Supply

The total value of contracts awarded to date in the water supply sector amounts to around US\$ 615 million. The sectorial work plan aims to complete the rehabilitation and expansion works of existing potable water supply systems in all regions of Lebanon and to expand and develop water resources in order to meet projected future shortages. This will be achieved through the execution of several major projects, such as dams and mountain lakes.

In addition to the rehabilitation and modernization of water structures, the Lebanese Parliament ratified a law which stipulates the merger of the twenty one (21) water authorities and committees into four regional potable and wastewater establishments: North Lebanon Water Establishment, Beirut and Mount Lebanon Water establishment, South Lebanon Water Establishment and Beka'a Water Establishment. The government issued too the organizational decrees for these establishments. A two year transitional period is allowed for the new establishments to become fully operational.

In parallel with the government's aim to involve the private sector in the management of these establishments, the Ministry of Energy and Water commissioned a French company to study the ways

for participation of the private sector in the management of Beirut and Mount Lebanon Water Establishment. The Ministry further authorized CDR to award the management contracts of the other water establishments.

At the end of the civil war in Lebanon, the water projects implemented by CDR aimed to fulfill general national objectives. These include:

- ***Emergency rehabilitation program for water authorities (NERP- first year):*** At a cost of US \$ 60 million, which was financed by the World Bank and EIB, the program aimed at the rehabilitation and equipping of potable water networks for 19 potable water authorities.

- ***Rehabilitation and expansion of potable water treatment plants, pumping and chlorination stations in the regions:*** The program covered projects for the rehabilitation and expansion of seven main potable water treatment plants in Zahle, Kfar Halda, Tripoli, Jbeil, Kousba, Ras el Ain and al- Bass (Sour); and the rehabilitation of 200 pumping stations through all Lebanese regions. The cost of the program, which started in August 1996, was about US \$ 54 million, financed out of the French Protocol.

***Technical assistance to the Ministry of Energy and Water:***

The technical assistance program (FF 30 million), funded under the French protocol, was completed. Under this program, technical assistance was provided to the Ministry of Energy and Water and to major water authorities in the form of capacity building, institutional development and supply of equipment.

In parallel with the execution of these programs at the national level, CDR focused on the development of water treatment plants in all Lebanese regions. These projects are distributed as follows:

#### Greater Beirut area Completed Projects

**NERP:** Several contracts were awarded for the rehabilitation and construction of potable water supply systems in the Greater Beirut area at a total cost of US \$

45 million, financed by KFAED. These contracts covered the following works:

Rehabilitation of water sources, such as the Qashkoush and Ain al Delbe springs.

Rehabilitation of Daychounieh and Hazmieh water treatment plants.

Rehabilitation and installation of potable water supply and distribution networks in the Greater Beirut area.

**Expansion of Dbayeh potable water treatment plant (First phase):** The capacity of Dbayeh potable water treatment plant was increased to 430,000 m<sup>3</sup> /day. This project was financed out of the Italian Protocol (US \$ 5.7 million).

In addition, and within the framework of Beirut infrastructure rehabilitation project, the water

supply and distribution networks were rehabilitated and upgraded in the streets covered by this project.

#### Projects under preparation

**Awali – Beirut Water Conveyor:** This project aims to convey potable water from al Awali river to the Greater Beirut area. This is a vital project to meet potable water needs of Greater Beirut. The cost is estimated to be about US \$ 170 million.

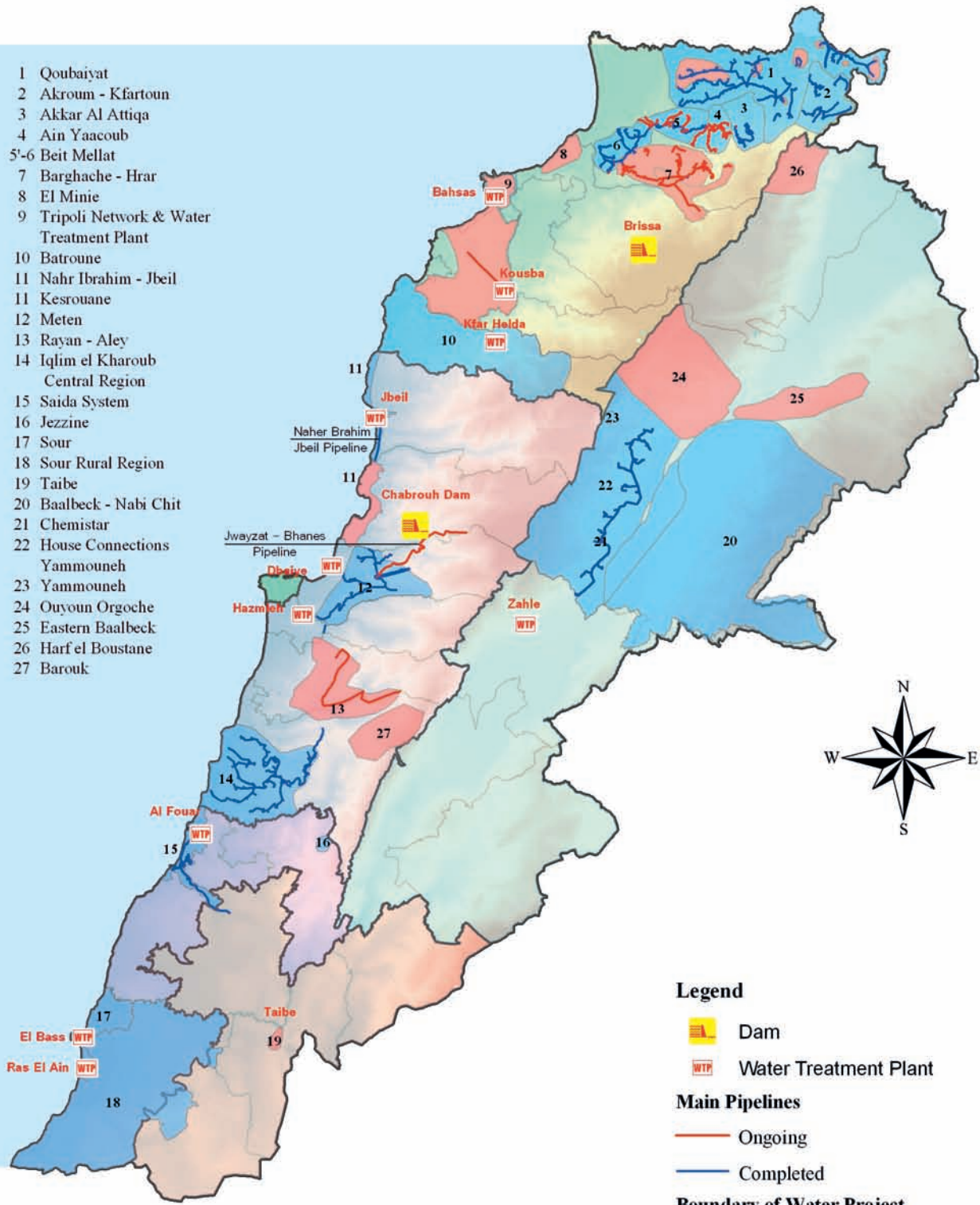
**Expansion of Dbayeh potable water treatment plant (second phase):** This project aims to expand the capacity of Dbayeh potable water treatment plant from 430,000 m<sup>3</sup> to 500,000 m<sup>3</sup> /day. The cost is estimated to be about US \$ 3.5 million, financed out of the Italian Protocol.









*Project to supply Kesrouan region with potable water*

# Water Supply Completed & Ongoing Projects

- 1 Qoubaiyat
- 2 Akroum - Kfartoun
- 3 Akkar Al Attiqa
- 4 Ain Yaacoub
- 5'-6 Beit Mellat
- 7 Barghache - Hrar
- 8 El Minie
- 9 Tripoli Network & Water Treatment Plant
- 10 Batroune
- 11 Nahr Ibrahim - Jbeil
- 11 Kesrouane
- 12 Meten
- 13 Rayan - Aley
- 14 Iqlim el Kharoub Central Region
- 15 Saïda System
- 16 Jezzine
- 17 Sour
- 18 Sour Rural Region
- 19 Taibe
- 20 Baalbeck - Nabi Chit
- 21 Chemistar
- 22 House Connections Yammouneh
- 23 Yammouneh
- 24 Ouyoun Orgoche
- 25 Eastern Baalbeck
- 26 Harf el Boustane
- 27 Barouk



**Legend**

-  Dam
-  Water Treatment Plant
- Main Pipelines**
-  Ongoing
-  Completed
- Boundary of Water Project**
-  Ongoing
-  Completed

**Beka'a and Baalbeck Hermel Governorates:  
Completed Projects**

***Baalbeck-Nabi Sheet potable water supply and Baalbeck wastewater network:*** The contract, amounting to US \$ 27 million, was financed by the World Bank. This project covered the rehabilitation of potable water reservoirs and pumping stations and the installation of distribution pipes.

***Yammoueh potable water supply:*** The contract, amounting to US \$ 11.9 million, was financed by the Islamic Development Bank (IDB). This project covered the construction of a dam for captage of the Yammoueh spring water, installation of 76 kms of water supply pipes and 246 kms of water distribution pipes, and construction of 23 new water reservoirs and two artesian wells.

***Baalbeck – Nabi Sheet potable water domestic connections and additional distribution lines (first phase):*** The contract, amounting to US \$ 1,273,000, was financed by the World Bank

***Ouyoun Orghesh potable water supply:*** The contract, amounting to US\$ 7,8 million, was financed by the IDB. The project included the installation of water supply pipes from Qabua and Shemali springs, 72 kms of supply pipes, 110 kms of distribution networks and construction of 18 new water reservoirs.

***An Nasara and Hariq springs-Al Bustan and Al Harf potable water supply systems:*** The contract, amounting to US\$ 1.9 million, was financed locally.

***Yammoueh infrastructure:*** This project covers the installation of potable water supply and wastewater networks in addition to wastewater treatment plant in yammoueh. The works (US\$ 3.4 million) were financed by IDB.

***Shmistar potable water supply:*** This project, estimated at about US \$ 4.2 million, aims to supply potable water to Shmistar region.

**Projects in progress**

***Baalbeck-Nabi Sheet potable water supply systems:*** These works are supplemental to the Baalbeck – Nabi Sheet potable water project and Baalbeck wastewater network described above. They include the installation of potable water distribution piping and domestic connections. The two relevant contracts, amounting to US \$ 23 million, were financed by the World Bank. Around 80% of these works has been completed.

***Domestic connections for the regions covered by Yammoueh-Ouyoun Orghesh potable water systems:*** This project includes the installation of domestic connections for all villages that benefit from the Yammoueh-Ouyoun Orghesh completed projects (about US \$ 5 million). About 95% of these works has been completed.

***Potable water supply systems for north Beka'a (Phase III):*** This project (US \$ 12 million) aims to supply potable water to Rasm Al Hadath-Arsal area in north Beka'a, including the installation of related reservoirs and distribution networks. Around

80% of these works has been completed.

***Operation and Maintenance contract to the benefit of Baalbeck-Hermel potable and irrigation water authority:*** CDR awarded the contract related to the operation of installations operated by Baalbeck – Hermel Potable and Irrigation Water Authority to the private sector, in the same manner as Tripoli Water Authority. CDR expects that the participation of the private sector in the management of Baalbeck-Hermel Potable and Irrigation Water Authority will greatly improve its services and enhance its productivity and efficiency. This project is financed by the World Bank (US \$ 4.6 million).

***Supply lines and water reservoirs for Bekaa villages:*** This project, estimated to cost about US \$2 million, is financed by KFAED. About 95% of the works has been completed.

***Technical and administrative support unit:*** In parallel with the above, additional efforts are being exerted to strengthen the institutional capacity of the Beka'a Water Establishment. Eleven experts were appointed for providing administrative, financial and technical support to the existing management team. This team of experts also acts as the representative of the Beka'a Water Establishment. In addition, this team is working on the development and implementation of comprehensive training programs for the establishment's personnel, in cooperation with specialized consultants.

## Projects in preparation

**North Beka'a potable water supply-Lots I and II:** This project, estimated to cost about US \$ 11 million, covers the supply of potable water to the remaining regions of North Beka'a extending from Labwe to Ras Baalbeck, including the installation of reservoirs and distribution networks. Works are expected to commence in 2008.

**Hermel - Al Qasr potable water supply:** This water supply project is estimated to cost around US\$ 8 million, which will be financed under the Iranian Protocol. Works are expected to commence in the second half of 2008.

**Rehabilitation and expansion of potable water systems in West Beka'a and East Zahle villages:** This project includes the construction of wells, reservoirs and distribution networks to serve most West Beka'a and East Zahle villages. The project is estimated to cost around US \$ 55 million. The economic and environmental feasibility study of the project was completed, however the detailed designs and tender document are still under preparation. Works are expected to start during the second half of 2008. This project is financed jointly in the form of grants provided by the World Bank (US \$ 15 million) and KFAED (US \$ 37 million).

## Akkar

### Completed Projects

**Kobayat potable water supply network and Akkar wastewater network:** This contract (US\$ 14.9 million) was financed by EIB.

**Potable water network for villages in Akkar supplied from wells:** This contract (US\$ 4 million) was financed in the form of a grant provided by the Kingdom of Saudi Arabia.

**Akroum and Kfartoun potable water supply :** This contract (US\$ 5.4 million) was financed by SFD.

**Akkar Al-Atika potable water supply:** This project provided Akkar Al Atika and neighboring areas with potable water. The cost of works is estimated at about US 4.8 million.

**Beit Mallat and surrounding villages potable water supply:** The project covered the installation of reservoirs, potable water supply pipes and pumping stations. The contract (US \$ 20 million) was jointly financed by IDB and OPEC International Development Fund.

**Ain Yacoub potable water supply:** The contract (US \$ 5.2 million) was financed by SFD.

### Projects in progress

**Barghash and Kaf Al Tina Spring Water Captage:** This project covers the captage of Kaf Al Tina and Barghash spring water and the installation of main transmission lines to carry water to two main reservoirs in Harrar and Kabiet. The cost (US \$ 5.6 million) is financed by SFD. About 60% of the works have been completed.

### Projects under preparation

**Rehabilitation and expansion works of Barghash – Hrar, Kaf al Tineh and Kabiet water supply networks:** This project covers the

construction of reservoirs, installation of potable water supply pipes, distribution networks and pumping stations for about 25 villages. The cost (about US \$ 14 million) will be financed by AFESD.

**Completing the water supply network and reservoirs in Jird area:** This project, estimated to cost about US \$ 15 million, will be financed by AFFES. Works are expected to start in 2010.

**AKKAR plain potable water supply:** This project includes the construction and installation of water reservoirs, potable water supply pipes, distribution networks and pumping stations for all AKKAR plain villages. The project, estimated to cost about US \$ 30 million, will be financed by IDF. Works are expected to start in 2010.

## North Lebanon Completed Projects

- **Installation of Tripoli potable water supply networks and Tripoli wastewater networks:** The contract (US\$ 35 million) was financed by EIB. The scope of works was expanded to include construction of water reservoirs in order to meet the needs of the population up to 2025. The project is currently in operation.

- **Batroun potable water supply networks and other wastewater networks :** The contract (US \$ 20.5 million) was financed by EIB

- **Tripoli Water Authority (TWA) management contract:** This contract constitutes a part of the government's efforts to

restructure the water sector and to involve the private sector in its operation. In December 2002, the management contract was awarded to a French firm at a cost of 8.9 million euro. The contract was financed by the French Development Agency. The management contractor is currently operating and managing TWA's installations and facilities, billing and collection of water fees, as well as human and financial resources. In addition, the management contractor will be in charge of supervising the rehabilitation of Tripoli water supply network, including raising the capacity of Bahsas Water Treatment Plant from 40,000 m<sup>3</sup>/day to 70,000 m<sup>3</sup>/day.

### Projects under execution

#### *Minyeh potable water supply:*

The project aims to supply Minyeh and surrounding villages with potable water. The cost of the project (US \$ 5.5 million) is financed by SFD. About 35% of the works have been completed.

- **Barissa Hill Lake dam:** The project aims to supply potable and irrigation water to villages of the upper parts of Minyeh- Danniye caza. The project (US\$ 9.3 million) is financed by SFD. About 70% of the works have been completed.

**Complementary water works in several cazas in the North,** including Batroun, Zgharta, Koura at an estimated cost of US \$ 6 million, financed by KFAED.

**Rehabilitation of Tripoli potable water supply networks and domestic connections:** The cost of



*Project to supply Sibleen region with potable water*

this project (7.6 million euro) is financed by the French Development Agency (AFD). About 30% of the works have been completed.

**Expansion of Bahsas water treatment plant:** This comprises raising the capacity of Bahsas water treatment plant from its present capacity of 40,000 m<sup>3</sup>/day to 70,000 m<sup>3</sup>/day. The cost of the project (3.5 million Euro) is financed by AFD.

### Projects under preparation

#### **Rehabilitation and restoration of Bcharre water supply systems:**

This project shall supply potable water to Bcharre and surrounding villages from Kadisha spring. It includes drilling of several artesian wells, rehabilitation and expansion of water supply networks and domestic connections, as well as construction of water reservoirs.

The cost (US \$ 10 million) is financed by the AFESD. Works are expected to commence in 2009.

#### **Rehabilitation and expansion of Chekka and Anfe potable water supply systems:**

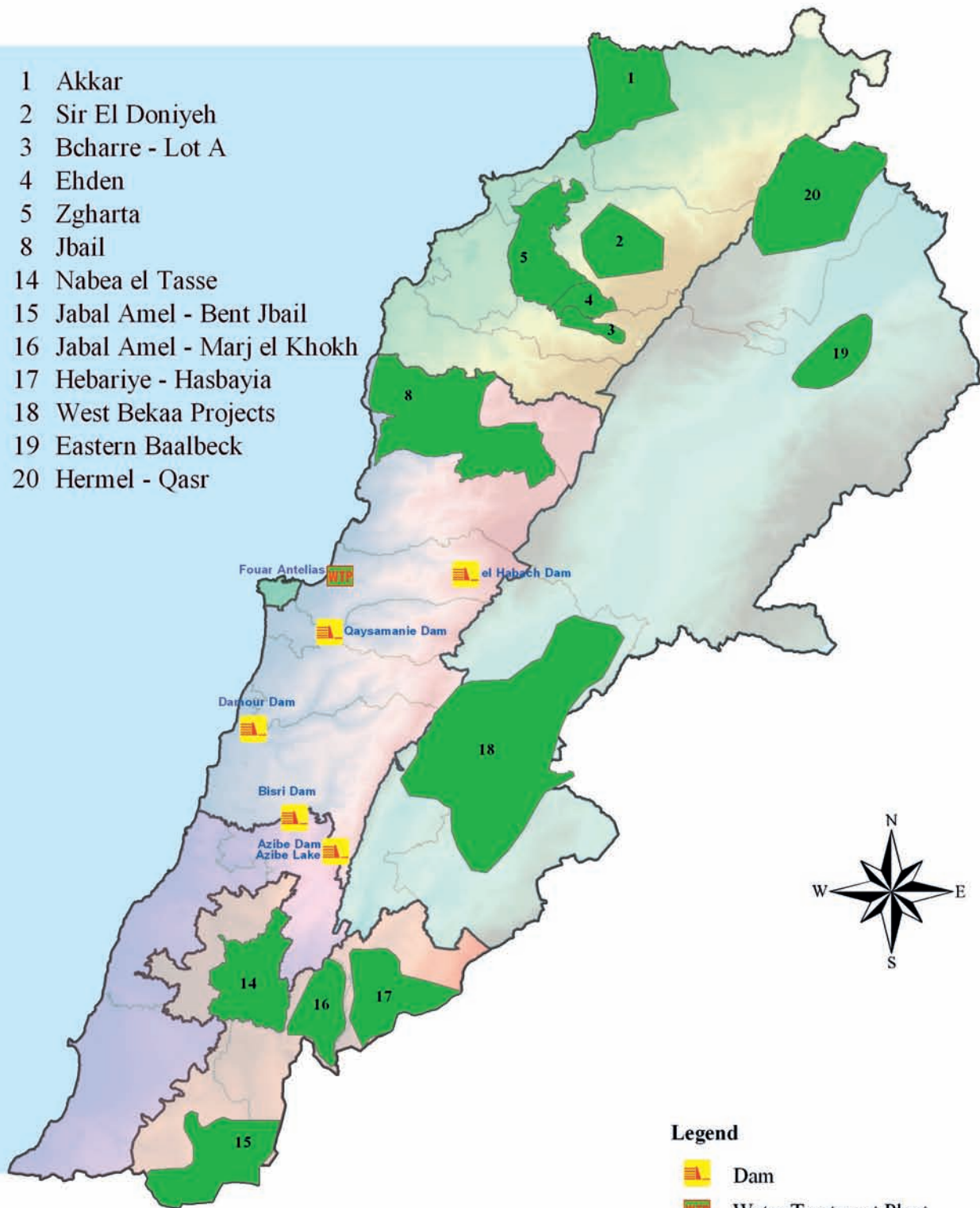
This project covers the supply of potable water to Chekka and Anfe- Hreishe through the drilling of several artesian wells in Jradeh area, rehabilitation and expansion of potable water supply networks, and domestic connections and construction of reservoirs. The cost (US \$ 10 million) is financed by AFESD. Works are expected to start in 2009.

#### **Rehabilitation and expansion of Koura potable water supply systems:**




This project covers the supply of Kousba- Fi'i area with potable water. It includes the construction of transmission lines, artesian wells and water reservoirs. The cost (US \$ 7

## Water Supply Projects Under Preparation

- 1 Akkar
- 2 Sir El Doniyeh
- 3 Bcharre - Lot A
- 4 Ehden
- 5 Zgharta
- 8 Jbail
- 14 Nabea el Tasse
- 15 Jabal Amel - Bent Jbail
- 16 Jabal Amel - Marj el Khokh
- 17 Hebariye - Hasbayia
- 18 West Bekaa Projects
- 19 Eastern Baalbeck
- 20 Hermel - Qasr



**Legend**

-  Dam
-  Water Treatment Plant
-  Boundary of Water Project

## Water Supply Sector overview

		Total		completed		in progress		prog	
		*No	Amount	*No	Amount	*No	Amount		
<b>Technical assistance</b>		<b>46</b>	<b>16.0</b>	<b>26</b>	<b>14.3</b>	<b>20</b>	<b>1.7</b>	<b>60%</b>	
<b>Planning and policy studies</b>									
1015 / 00	Damage assessment: water	c	8	1.1	8	1.1			
<b>Institutional development</b>									
1017 / 00	Technical assistance to MHER	c	2	4.3	2	4.3			
1017 / 00		c	1	0.1	1	0.1			
1387 / 00	Supply of equipment to MHER and water authorities	w	15	9.0	12	8.6	3	0.4	20%
1534 / 00	Technical assistance to water Authority	c	19	1.5	2	0.2	17	1.4	71%
<b>Undefined</b>									
9027 / 00	Project undefined	w	1		1				
<b>Capital investment</b>		<b>207</b>	<b>634.2</b>	<b>141</b>	<b>387.0</b>	<b>66</b>	<b>247.1</b>	<b>49%</b>	
<b>NERP Year 1 rehabilitation</b>									
1018 / 00	Rehab year 1	c	5	4.6	5	4.6			
1018 / 00		w	5	54.1	5	54.1			
<b>Rehab./extension of WS in Greater Beirut</b>									
1019 / 00	Ain el Delbe: urgent works	c	2	0.9	2	0.9			
1019 / 00		w	7	14.3	7	14.3			
1020 / 00	NERP water rehab years 2 & 3: Greater Beirut	c	7	7.9	6	7.7	1	0.2	60%
1020 / 00		w	14	24.0	14	20.2		3.7	10%
1023 / 00	Dbaye water treatment works extension	c	1	0.2	1	0.2			
<b>Rehab and extension of WS in other areas</b>									
1021 / 00	NERP water rehab years 2 & 3 outside Greater Beirut	c	8	0.9	7	0.8	1	0.2	95%
1021 / 00		w	7	56.6	3	20.1	4	36.5	85%
1021 / 01	NERP years 2 & 3: North Lebanon	c	13	2.0	9	1.4	4	0.6	10%
1021 / 01		w	8	78.3	8	78.2			
1021 / 02	NERP years 2 & 3: Mount Lebanon	c	7	1.5	7	1.5			
1021 / 02		w	1	25.3	1	25.3			
1021 / 03	NERP years 2 & 3: Bekaa	c	8	3.0	5	2.4	3	0.6	55%
1021 / 03		w	9	53.7	6	34.8	3	18.8	58%
1021 / 04	NERP years 2 & 3: South Lebanon	c	6	1.4	5	0.7	1	0.7	57%
1021 / 04		w	6	53.1	4	34.1	2	19.0	76%
1021 / 05	NERP Years 2 & 3: General	c	5	17.2	4	16.1	1	1.1	80%
1021 / 05		w	1	26.6	1	26.6			
1177 / 00	Resettlement programme/destroyed villages' infrastruct	c	2	0.9	2	0.9			
1177 / 00		w	2	7.1	2	7.1			
<b>New water supply systems</b>									
1150 / 00	New water networks	c	28	3.9	12	1.1	16	2.8	27%
1150 / 00		w	11	65.3	1		10	65.3	38%
<b>Other new water systems: Mount Lebanon</b>									
1497 / 00	Exploitation of Kattin Azar sink hole	c	2	0.5	1	0.3	1	0.1	55%
1497 / 00		w	1	4.0			1	4.0	55%
<b>Other new water systems: North Lebanon</b>									
1292 / 00	Akkar villages water supply	c	1	0.2	1	0.2			
1292 / 00		w	2	4.1	2	4.1			
<b>Other new water systems: South Lebanon</b>									
1295 / 00	Jebel Amel water supply	c	1	0.1			1	0.1	50%
<b>Other new water systems: Bekaa</b>									
1296 / 00	Yammouneh water supply rehab	c	4	0.8	3	0.7	1	0.1	10%
1296 / 00		w	2	17.3	1	12.0	1	5.3	10%

## Water Supply Sector overview (cont'd)

		Total		completed		in progress			
		*No	Amount	*No	Amount	*No	Amount	prog	
1297 / 00	Ouyoun Ozghoush water supply	c	2	0.6	2	0.6			
1297 / 00		w	1	7.8	1	7.8			
1495 / 00	Water supply to the villages of Harf and Boustan	c	2	0.1			2	0.1	67%
1495 / 00		w	2	3.0	1	1.9	1	1.1	10%
<b>Development projects</b>									
1022 / 00	Bisri Dam	c	2	3.9	1	0.8	1	3.1	48%
1026 / 00	Awali-Beirut conveyer	c	4	3.6	3	2.4	1	1.1	67%
1315 / 00	Anane Basin water supply	c	1	0.3	1	0.3			
1386 / 00	Kesrouane Coastal Area Water Supply	c	3	3.2	2	0.4	1	2.7	20%
1386 / 00		w	1	48.0			1	48.0	38%
1574 / 00	Dams and Lakes	c	4	1.4	1	0.1	3	1.3	14%
1574 / 00		w	2	9.4	1		1	9.3	40%
<b>New major treatment plants</b>									
1151 / 00	New Taibeh water treatment works	c	2	0.2	1		1	0.2	30%
1151 / 00		w	2	20.6			2	20.6	41%
1154 / 00	New water treatment works relating to dams and lakes	c	1	0.2			1	0.2	52%
1298 / 00	Jbeil water treatment plant & transmission line	c	1		1				
1298 / 00		w	1	2.0	1	2.0			
<b>Operation and maintenance</b>			<b>18</b>	<b>17.3</b>	<b>13</b>	<b>3.6</b>	<b>5</b>	<b>13.7</b>	<b>57%</b>
<b>Operation and maintenance</b>									
1375 / 00	Operation and maintenance of NERP year 1 facilities	c	1	0.2	1	0.2			
1496 / 00	Other facilities	c	7	10.1	3	0.3	4	9.7	78%
1496 / 00		w	10	7.1	9	3.0	1	4.0	5%
<b>Sector Totals</b>			<b>271</b>	<b>667.5</b>	<b>180</b>	<b>404.9</b>	<b>91</b>	<b>262.6</b>	<b>49%</b>

million) is financed out of the Italian protocol.

**Complementary water works** in Batroun, Zgharta and Koura at an estimated cost of US \$ 6 million, financed by KFAED.

**Complementary works of water systems in Danniyeh.** This project aims to complete the works of the water systems which were executed by the Ministry of Energy and Water in 1998-2002. The seven parts of the water systems comprising this project have not been put in operation yet because they are still incomplete. After the Italian Development Agency expressed its interest to

finance these works, CDR started to prepare the required studies (around US \$ 7.5 million). Works are expected to start in 2009.

### Mount Lebanon

#### Completed Projects

**Metn and Barouk potable water supply networks and Chouf and Metn wastewater network:** The contract (US \$ 17.9 million) was financed by the World Bank. The project included the construction of 22 water reservoirs, installation of conveyor pipes and potable water distribution networks.

**Displaced villages:** Rehabilitation

works and installation of potable water networks in the displaced villages of Baabda, Aley and Chouf cazas were completed at a cost of US \$ 7.3 million, financed by SFD.

**Nahr Ibrahim water conveyer - Jbeil treatment plant:** This project is financed locally (US \$ 1,928,000).

#### Projects in progress

**Madik spring- Kesrwan coastal region potable water supply:** This project (US\$ 37.8 million) is financed by the Japanese Bank for International Cooperation (JBIC). The works contract, signed in June

## Water Supply contracts awarded in 2007

			Contract amount (in USD)	External funding	Start Date
<b>Technical assistance</b>			<b>373,978.9</b>		
<b>Institutional development</b>					
<b>1387 / 00</b>	<b>Equipment for MHER and water authorities</b>				
4455 / 00	Supply of six 4*4 vehicles for South Lebanon Water Establishment	w	135,000	AFESD	Aug/2007
4734 / 00	Supply of 20 submersible pumps for South Leb Water & WW establishment	w	197,000	AFESD	Feb/2007
<b>1534 / 00</b>	<b>Tech. Assist.- water Authority</b>				
9171 / 00	Training for the Employees of the Bekaa Water Authority	c	41,979	IBRD	Feb/2007
<b>Capital investment</b>			<b>3,941,505.0</b>		
<b>Rehab and extension of WS in other areas</b>					
<b>1021 / 01</b>	<b>NERP years 2 &amp; 3: North Lebanon</b>				
9272 / 00	Design of the water dist network of Barghoun, Badbhoun & Zakroun	c	28,820		Sep/2007
9304 / 01	Sup for the const of WS systems in Tripoli & Koura areas	c	1,540		Nov/2007
4821 / 02	Const of a WS systems in Tripoli & Koura - Telemetry System	w	44,000		Nov/2007
9304 / 02	Sup for the const of WS systems in Tripoli & Koura areas	c	322,716		Nov/2007
4821 / 01	Construction of a water supply systems in Tripoli and Koura areas	w	8,097,458	ITALY	Nov/2007
<b>1021 / 03</b>	<b>NERP years 2 &amp; 3: Bekaa</b>				
8390 / 00	Sup for the services contract for Water & WSTW syst in Baalbeck-Nabi Chit	c	239,407	IBRD	May/2007
<b>1021 / 04</b>	<b>NERP years 2 &amp; 3: South Lebanon</b>				
4457 / 00	Rehabilitation and extension of Sour urban pumping stations	w	1,069,239		Apr/2007
<b>New water supply systems</b>					
<b>1150 / 00</b>	<b>New water networks</b>				
9289 / 00	Sup for the const of a new drinking dist net & a sewerage syst in Ehdn	c	97,680		Dec/2007
9308 / 00	Updating detailed design & TD of the water proj of the western Bekaa area	c	314,565	IBRD	Oct/2007
9311 / 00	Detailed design for Majdlaya & El Fouar villages drinking water project	c	124,014		Oct/2007
<b>Other new water systems: Bekaa</b>					
<b>1495 / 00</b>	<b>Water supply to the villages of Harf and Boustan</b>				
9315 / 00	Supervision of the additional works for the potable WS project in Hermel	c	38,978	KFAED	Nov/2007
4826 / 00	Additional works for the potable water supply project in Hermel	w	1,060,192	KFAED	Nov/2007
<b>Development projects</b>					
<b>1574 / 00</b>	<b>Dams and Lakes</b>				
7579 / 00	Feasibility Study for the construction of Damour Dam	c	839,762		Jul/2007
<b>Operation and maintenance</b>			<b>4,598,203.4</b>		
<b>Operation and maintenance</b>					
<b>1496 / 00</b>	<b>Other facilities</b>				
9184 / 00	Ass to the CDR for the prep of the end of Ondéo Liban contract	c	53,299	FRANCE-AFD	Mar/2007
9265 / 00	Sup of the ext of Tripoli WS treat plant & renov of WS network in Tripoli	c	528,767	FRANCE-AFD	Aug/2007
3338 / 00	Extension of Tripoli Water Supply Treatment Plant	w	4,016,138	FRANCE-AFD	Jul/2007
<b>Sector Totals</b>			<b>8,913,687</b>		

2001, covered: Construction of Madik spring water captage dam; installation of main water piping (through a tunnel) from Madik spring to Kesrwan coastal region; construction of main water reservoirs and potable water distribution networks for Kesrwan coastal region. About 65% of the

works have been completed.

**Ra'ayan spring water conveyor line – Aley main water reservoir:** This project will convey about 12,000 m<sup>3</sup> of water/day from Ra'ayan spring to Aley main potable water reservoir. The cost (US \$ 10 million) is financed by KFAED.

**Qattine- Azar potable water supply:** This project (US \$ 3.1 million) aims to exploit Qattine spring water in order to supply potable water to the upper areas of Metn. The project was financed by KFAED and 85% of the works have been completed.

**Damour Dam feasibility study:**

CDR started the relevant feasibility study in 2007. This study is expected to be delivered by the end of 2008.

### Projects under Preparation

**Jbeil potable water supply:** The cost of this project (US\$ 16 million) will be financed out of the Italian Protocol. The Italian government is studying at present the tender documents and CDR expects to issue the invitation to tender during the second half of 2008.

**Jweizat spring – Bhannes water supply:** This project, estimated to cost about US \$ 6 million, aims to supply potable water to Metn villages. CDR is currently revising the main design of this project and studying the possibility of supplying potable water from Maksar Al Kanatir-Assal spring to Biqla'a reservoirs.

**Quaissamani Dam:** The Ministry of Electricity and Water referred the relevant studies to CDR which was commissioned by the Council of Ministers to secure the necessary funding and to follow-up its execution activities. Works are expected to start in 2009.

### South Lebanon and Nabatieh Completed Projects

**Installation of Sour potable water supply networks :** The cost of this project (US \$ 9.9 million) was financed by AFESD. About 90% of the works have been completed.

**- Installation of Sour rural area potable water supply networks:** The cost of this contract (US \$ 27

million) was financed by AFESD. The project is currently in the delivery stage.

**Installation of Saida potable water supply network :** This contract (US\$ 4.6 million) was financed by AFESD.

**Rehabilitation of Jezzine potable water supply networks and systems:** This project (about US \$ 1.2 million) was financed by the French Development Agency.

### Projects under execution

**Taybeh potable water treatment plant :** This contract (US\$ 20 million) is divided into 2 parts : Part 1 (US\$ 14 million), financed by IDB, involves the installation of Taybeh potable water treatment plant. About 80% of the works have been completed. Once completed, the plant will be capable of treating 25,000m<sup>3</sup>/day of water and pumping it through potable water networks operated by Jabal Amel Water Authority. Part 2 (US\$ 6 million) aims to rehabilitate existing buildings as well as to secure electricity, operation and maintenance through local funding. About 90% of the works have been completed.

### Projects under preparation

**Taseh spring - Nabatieh water supply:** The cost (about 3.4 million euro) will be financed by AFD. CDR has prepared the relevant designs and tender documents and works are expected to start during the third quarter of 2008.

**Habbariyeh – Hasbaya potable water supply :** The project (about 4.2 million euro), financed by

AFD, was awarded at the end of 2007. Works are expected to start during 2008.

**Nabatieh potable water supply:** The project includes the installation and rehabilitation of potable water supply networks operated by Taseh Spring Water Authority, in addition to certain wastewater networks in Nabatieh. The cost is estimated at about US \$ 15 million.

**Rehabilitation of potable water systems in villages served by Jabal Amil Water Authority:** This project includes the installation and rehabilitation of potable water networks operated by Jabal Amil Water Authority. The project will benefit Marjayoun, Bint Jbeil and Hasbia cazas. It is estimated to cost US \$12 million, financed by IDB. The works are expected to start during the first quarter of 2009.

## Water Supply Contracts in preparation

				Progress Status	Estimated Amount	Funding Source	Indicative start date	
<b>Technical Assistance</b>								
<b>Institutional strengthening</b>								
1266	Technical assistance for Litani national authority			Design Phase	c	6,147,010	AFESD	Feb/2008
1285	Detailed & Feasibility studies, Environmental assessment, & Tender Documents for water & wastewater in different regions			Design Phase	c	5,000,000	Local	Jun/2007
1301	Purchase of Equipment and Furniture for the TSU			Design Phase	w	350,000	IBRD	Apr/2008
<b>Development of Water Resources</b>								
51	Basri dam design study			Design Phase	c	70,000,000	IDB	Jan/2009
52	Damour dam design study			Design Phase	c	763,500	Local	Jan/2008
<b>Capital Investment</b>								
<b>Rehab/extension water systems</b>								
<b>Rehab/extension water systems in Greater Beirut</b>								
3	Expansion of Dbayeh water treatment plant			Project identification	w	3,270,465	Italian-Prot	Nov/2008
<b>Rehab/extension water systems in North Lebanon</b>								
9	Completion of potable water supply to villages served by Kurna reservoir: Beit Ayoub, Beit Younes, Krayat in addition to Kurna network served by Hrar-Borghash project			Design Phase	w	4,145,077		Jan/2009
10	Completion of potable water supply to villages served by Hrar and Kabeit reservoirs: Baja'a, Hrar, Hweish, Khraibeh, Jurd, Danbo, Safinat al-Qaita'a, Shan, Mbarakiyeh, Mechmesh, Wati Meshmeh.			Design Phase	w	9,957,500	AFESD	May/2009
13	Secondary and tertiary water supply networks - Tripoli			Design Phase	w	8,700,000	FRANCE-AFD	Apr/2008
14	Rehabilitation of water supply systems attached to Jrada Treatment Plant			Design Phase	w	8,987,835	AFESD	Jan/2009
16	Potable water system - Beharre region			Design Phase	w	8,745,550	AFESD	Nov/2009
1171	Supply of potable water- Ehden region			Design Phase	w	14,350,000	ADFD	Sep/2008
1312	Works for Koura Water Authority				w	7,175,000	Italian-Prot	Jan/2009
<b>Rehab/extension water systems in Mount Lebanon</b>								
18	Upgrading of potable water system - caza of Jbeil			Design Phase	w	25,213,235	Italian-Prot	Sep/2008
22	Rehabilitation of Metn water supply systems			Design Phase	w	13,027,920		Jun/2008
24	Captage of Barouk, Rayan and as-Safa springs water			Design Phase	w	4,120,000	AFESD	July/2008
1274	Construction of water network in Jbeil			Awaiting funding	w	5,073,125	Local	Feb/2010
1297	Captage works for Safa Spring			Design Phase	w	1,122,000	Local	Sep/2008
<b>Rehab/extension water systems in South Lebanon</b>								
1292	Works for South Water Establishment			Design Phase	w	6,916,050		Dec/2008
1311	Completing work for Sour				w	8,000,000	Local	Jan/2009
<b>Rehab/extension water systems in Nabatiyeh</b>								
26	Rehabilitation and development of Nabatiyeh water and waste water systems			Design Phase	w	10,590,000	ADFD	Jan/2008
29	Captage works of al-Tassa spring water and transmission line.			Design Phase	w	3,330,000	FRANCE-AFD	Sep/2008
30	Habbarieh of project Potable water			Design Phase	w	7,425,000	FRANCE-AFD	Jun/2008
31	Potable water projects of Jabal Amel Water Authority			Design Phase	w	13,256,100	IDB	Mar/2009
<b>Rehab/extension water systems in Bekaa</b>								
33	Rehabilitation of water systems served by Luci wells			Design Phase	w	55,970,000	IBRD KFAED	Jun/2008
1275	Zahle Water networks			Project identification	w	10,146,250	Local	Jan/2008
1483	Completion of water systems in Bekaa			Design Phase	w	5,000,000	IRAN	Mar/2008
<b>Rehab/extension water systems in other areas</b>								
5	Completion of works of water projects in various Muhafazat (filling financing gaps)			Design Phase	w	4,780,500	KFAED	Jun/2008
<b>Development of Water Resources</b>								
43	Expansion of Bahsas plant			Design Phase	w	2,600,000	FRANCE-AFD	Apr/2008
45	Habsh Dam works and expansion of water treatment plant.			Design Phase	w	15,298,209	KFAED	Nov/2008
48	Design studies: Dar Baachtar, Jensenaya Lake and Ezeiba dams			Design Phase	c	1,350,000	Italian-Prot	Jun/2008
1120	Main water conveyance lines and reservoirs in Upper and Middle Kessrwan to link Shabrouh dam with existing potable water systems			Design Phase	w	25,000,000	AFESD	Jan/2008

**Water Supply      Contracts in preparation (Cont'd)**

				Estimated Amount	Funding Source	Indicative start date
				Progress Status		
<b>Operation and Maintenance</b>						
<b>41</b>	Operation & maintenance of water and wastewater establishments of Bekaa Water Authority	Design Phase	w	<b>12,000,000</b>	IBRD	<b>May/2008</b>
<b>Sector Totals</b>				<b>377,810,326</b>		

# Waste water



Since the early nineties, the CDR focused its work in the wastewater sector on three axes:

Execution of the emergency rehabilitation works of existing wastewater networks and pumping stations (NERP 1).

Completion of projects and rehabilitation of wastewater networks (NERP 2&3).

Launching two programs for protecting the Lebanese coasts and water resources from pollution.

In other terms, the objective of this strategy is to address the problem of pollution and wastewater disposal in a radical manner throughout the Country.

## Achievements to date

The total value of projects implemented to date in the wastewater sector amounted to about US\$ 290 million. The most important of these are:

***Emergency rehabilitation of wastewater networks (NERP1-first year):*** This project covered the repair and rehabilitation of wastewater networks in all regions of Lebanon, in addition to the rehabilitation of two wastewater pumping stations in Al Mina-Tripoli and Jounieh, and the construction of about 1000 kilometers of sewage networks.

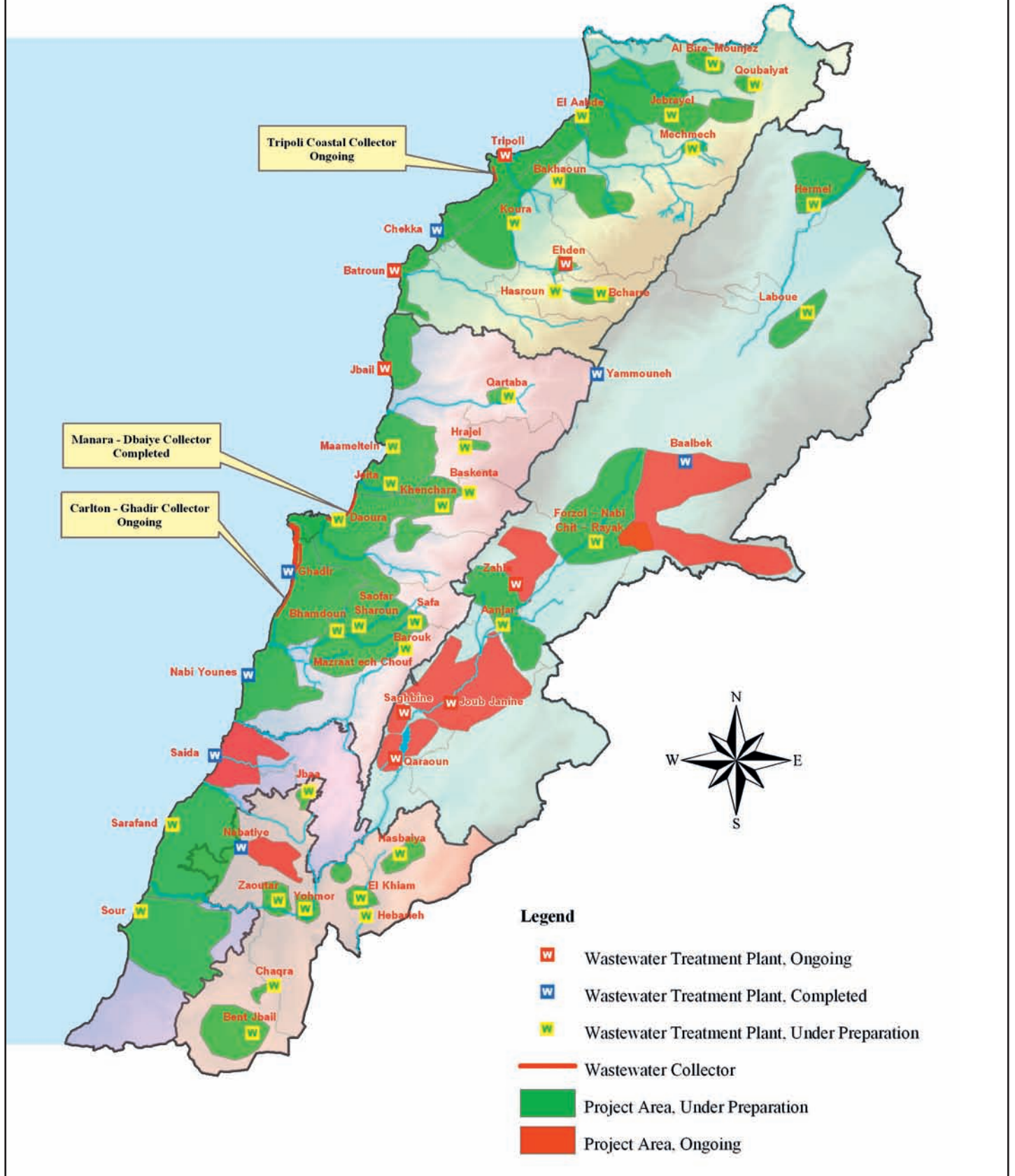
***Completion of Ghadir wastewater pre-treatment plant:*** The construction and equipping of the wastewater pre-treatment plant that serves the southern part of Aley caza and west-south Greater Beirut, together with the rehabilitation of the associated sea outfall. Construction of this plant started in 1974, but work was interrupted during the civil war. It was completed and put in service in November 1997.

***Beirut wastewater coastal collector project:*** This project aims to protect



*Wastewater treatment plant in Tripoli*

# Wastewater Completed, Ongoing & Under Preparation Projects



the coast extending from Metn to the Shouf caza. The project aims to eliminate all existing sewer free outfalls along the mentioned coastal area by collecting and conveying wastewater to the Dora and Ghadir pre-treatment plants. The conveyor line comprises two sections:

- The northern section, covering about 17 kms of collection pipe, includes Dbayeh-Dora - Ras Beirut-Dora coastal areas, in addition to 5 pumping and lifting stations. All works were completed in year 2000 (costing about US\$ 45 million). This section has been designed to serve 1.5 million inhabitants up to year 2015.
- The southern section covers: The Carlton-Ghadir sewer collector line, which is nearly completed (costing about US\$ 14.5 million), designed to serve the south western part of Beirut city, and the southern suburb; and the Damour-Ghadir line, still under construction (about US\$ 9 million), which is designed to serve a major part of Aley caza and part of Shouf caza.

**Execution of the first phase of rehabilitation of Beirut Infrastructure,** including the wastewater network (sections 1 and 2) at a cost of US\$ 25 million. The project in all its phases aims to construct a new stormwater network independent of the wastewater, bearing in mind that the current structure is a combination of both.

**Execution of the first phase of rehabilitation of wastewater**

**networks in Saida** and suburbs, including rehabilitation of the existing network and construction of a new network for wastewater transmission to the new treatment plant.

**Maintenance and upgrading of wastewater and stormwater networks in the main cities:**

Starting 1997, the works covered regular and routine maintenance, repair of wastewater and stormwater piping utilities in the main cities, in addition to limiting the overflows and preventing problems emanating from breakdowns in the existing drainage networks. The works included the cleaning operations, in addition to installing piping and other civil works required for improving the efficiency of these systems. The project covered Greater Beirut with its southern and northern suburbs, Tripoli, Zahle, Jounieh, Saida, Sour, Nabatieh and their suburbs and was implemented in coordination with the Ministry of Interior and Municipalities.

**Projects in progress**

**Beirut coastal area- southern section of the main wastewater collector, Carlton-Ghadir section:**

This projects covers the construction of two wastewater pumping stations and the installation of 9 kilometers of wastewater sewer lines serving a population of 750,000 (US\$ 14.5 million). The Islamic Development Bank (IDB) financed the Carlton-Ghadir collector, which was commenced during the second half of 2001. The installation of the collector lines is complete and the

works are progressing on the pumping and lifting stations.

**The Damour-Ghadir section:** This section, financed by IDB, (about US\$ 9 million), is still under execution and it covers about 30 kms of collector lines and 3 pumping stations. It is designed to serve 100,000 inhabitants.

- **Protection of the Lebanese coast against pollution:** The Lebanese Government signed several conventions for the protection of the Mediterranean against pollution, including the Barcelona Convention. The agreements stress the necessity of treating wastewater before discharge to the sea in cities and towns with populations which exceed 100,000. Several projects have been prepared for the construction of wastewater collector networks and treatment plants in the coastal areas. Following are the major achievements:

Saida wastewater treatment plant and collector line project that commenced during the second half of the year 2001 (US\$ 10 million), funded by the Japanese Bank for International Cooperation (JBIC). Another contract was awarded for the associated sea outfall (US\$ 9.5 million), also financed by JBIC. The works are complete.

The construction of wastewater treatment plants funded under the French protocol in Chekka (10.11 million euro), Batroun (7.6 million euro), Jbeil (9.4 million euro), Shouf coastal areas (14.4 million euro) and Nabatieh (9 million euro). Works started during 2002 and Chekka, Batroun, Ras Al-Naby Younis and



*Wastewater treatment plant in Nabatieh*

Nabatieh plants are now complete. The construction of Tripoli wastewater treatment plant funded by the European Investment Bank (EIB), 78 million euro). The works are complete.

Beirut infrastructure project – Phase II is progressing, financed by IDB (US\$ 35 million), and so is the first lot of phase III (US \$ 11 million), financed by the Arab Fund for Economic and Social Development (AFESD).

• ***Protection of water sources against pollution:*** A study was prepared in 1994 to update the master plan for the wastewater conducted in 1982. This study identified water basins and priority areas for construction of new wastewater treatment plants to protect water resources against pollution. To accomplish this, appropriate financing was secured to construct collector lines and treatment plants in main inland

cities (Zahleh, Baalbeck, Nabatieh, and others); and also in villages/towns close to water sources and springs (Labweh, Qaraoun Lake, Anjar, Hermel, Michmich, Bcharre, Bakhoun, Chabaa, Jbaa, Hasbaya, Chakra, Hrajel and Kartaba).

The Construction of the Baalbeck wastewater treatment plant, financed by the World Bank, was completed in the summer of the year 2000. Zahle wastewater treatment plant, funded through the Italian Protocol, was initiated in the first half of the year 2006 (US\$ 19 million). Similarly, the wastewater collection and treatment project in Jib Jennine, Soghbine and neighboring villages (US \$ 23.5 million), financed by IDB started in 2005, and the planned completion is in the first quarter of the year 2009.

**Projects under preparation**  
***Protection of the coastline***

***against pollution:*** The Ministry of Energy and Water prepared a detailed study for the Akkar caza that recommended construction of a wastewater treatment plant along the Abdeh coast. The detailed designs and tender documents for the wastewater treatment plant in the coastal areas of Kesrouan and Sour are now complete. CDR is in negotiation stage with EIB to secure the financing for the Kesrouan wastewater treatment construction. The Financing for the Sour plant has been secured from the European Investment Bank (EIB) and the works are currently in the awarding stage.

- CDR is currently preparing the tender documents for the Dora Wastewater Treatment Plant (north Beirut) and the associated networks, after securing the necessary financing from EIB (60 million euro).

- The feasibility study for the extension of Ghadir wastewater pre-treatment plant (south Beirut) is complete. CDR is contacting several funding sources in order to secure the financing funding for the works.

- The CDR has also secured the funding for the Greater Beirut wastewater treatment project from the German Agency (KfW) (16 million euro) and it expects to launch soon the necessary engineering work. This project involves the construction of wastewater collection and transmission networks from Aley caza and the South western part of Beirut city and south Beirut to the Ghadir wastewater pre-treatment plants.

• On the other hand, CDR recently



*Wastewater treatment plant in Chekka*

secured financing from AFESD for US\$ 85 million to finance wastewater systems in a number of Lebanese regions, including Akkar coastal area, where the cost of the project and wastewater collection and treatment is estimated to be about US\$ 25 million, and the Chouf coastal area, where the cost of installation of wastewater networks is estimated to be about US\$ 15 million.

- Funding was secured for the northern coastal section of Tripoli Coast main wastewater collector project (Barid – Beddawi section), including main collector, lifting stations and main and secondary networks. This project, financed through the 12 million euro grant provided by Germany, will serve 100,000 inhabitants and its implementation is expected to start at the end of 2008.

#### *Protection of water sources*

**against pollution:** The Ministry of Energy and Water and CDR have identified approximately 20 wastewater schemes located near water sources (springs, rivers, lakes, etc.) in inland areas. Detailed studies are complete for many of these schemes that mostly fall within the framework of existing financing agreements (Italian Protocol and IDB). Special importance is focused on the western Bekaa, Qaraoun Lake and the Litani River, where the high level of water pollution necessitates urgent intervention to install wastewater collection and treatment facilities.

The CDR secured funding for the studies and implementation of the first phase of the wastewater project in the upper basin of the Litani river (about US\$ 10 million) through a loan agreement with the Arab Fund for Economic and Social Development (AFESD); in addition to Bcharre

(US\$ 8 million), Chabaa and neighboring area (US\$ 6 million), and As Safa and Barouk areas (US\$ 7 million) schemes.

Finally, as part of the Baalbeck water supply and wastewater treatment project, the construction of 160 additional kilometers of water and wastewater networks in Baalbeck and the surrounding areas is underway. The cost is estimated to be around US\$ 14 million.

CDR also received a grant of US \$ 15 million from KFAED to implement the wastewater collection and treatment project in Tibnine-Bint Jbeil. A grant of 8 million euro was also provided by the EU to implement the wastewater collection and treatment projects in Yahmur, Zawtar and Kfarsir villages in Nabatieh District.

## Wastewater Sector overview

		Total		completed		in progress			
		*No	Amount	*No	Amount	*No	Amount	prog	
<b>Technical assistance</b>		<b>4</b>	<b>0.8</b>	<b>4</b>	<b>0.8</b>				
<b>Planning and policy studies</b>									
1595 / 00	General Consultancy Services	c	4	0.8	4	0.8			
<b>Capital investment</b>		<b>140</b>	<b>402.0</b>	<b>95</b>	<b>197.8</b>	<b>45</b>	<b>204.1</b>	<b>41%</b>	
<b>Rehabilitation of existing sewerage networks</b>									
1032 / 00	Network rehab year 1-General	c	14	3.1	14	3.1			
1032 / 00		w	5	22.8	5	22.8			
1033 / 00	Network rehab years 2 & 3	c	2	0.5	2	0.5			
1033 / 00		w	2	5.4	2	5.4			
1033 / 01	NERP Years 2 & 3 rehab and extension - Greater Beirut	w	1	0.8	1	0.8			
1033 / 02	NERP Years 2 & 3 rehab and extension - North Lebanon	w	1	1.5	1	1.5			
1033 / 03	NERP Years 2 & 3 rehab and extension - Mount Lebanon	c	1		1				
1033 / 04	NERP Years 2 & 3 rehab and extension - Bekaa	c	1	0.1	1	0.1			
1033 / 04		w	2	6.5	2	6.5			
1033 / 06	NERP Years 2 & 3 rehab and extension, General	c	2	0.7	1	0.3	1	0.4	40%
<b>Water Resources Protection Program</b>									
1036 / 00	Water resources protection program	c	8	0.4			8	0.4	75%
1036 / 01	Protection of water resources - North Lebanon	c	5	1.2	4	1.2	1		50%
1036 / 01		w	1	19.7	1	19.7			
1036 / 02	Protection of water resources - Mount Lebanon	c	1	0.3	1	0.3			
1036 / 03	Protection of water resources - Bekaa	c	5	1.6	4	0.5	1	1.1	
1036 / 03		w							
1036 / 04	Protection of water resources - South Lebanon	c	2	0.9	2	0.9			
1036 / 04		w	1	11.4	1	5.7		5.7	90%
1306 / 00	New sewer networks	c	3	0.2			3	0.2	45%
1306 / 00		w	1	7.0			1	7.0	50%
1306 / 01	New sewer networks - North Lebanon	c	1	0.1	1	0.1			
1306 / 02	New sewer networks - Mount Lebanon	c	4	0.4	3	0.3	1	0.1	65%
1306 / 02		w	2	3.4	1	1.3	1	2.1	74%
1306 / 03	New sewer networks - Bekaa	c	4	0.8	1		3	0.7	2%
1306 / 03		w	1	23.5			1	23.5	1%
1306 / 04	New sewer networks - South Lebanon	c	1	0.1			1	0.1	20%
<b>Coastal Pollution control Program</b>									
1035 / 00	Completion of Ghadir wastewater treatment works	c	9	2.9	6	2.5	3	0.3	31%
1035 / 00		w	10	34.5	6	12.5	4	22.0	35%
1037 / 00	Protection of coastal area	c	1				1		50%
1155 / 00	Dbayeh-Manara waste water system	w	1		1				
1342 / 00	Tripoli wastewater system	c	7	3.2	5	1.3	2	1.9	58%
1342 / 00		w	2	97.6	1	3.8	1	93.8	50%
1343 / 00	Kesrouan wastewater system	c	4	1.4	1	0.2	3	1.1	92%
1344 / 00	Saida wastewater system	c	5	6.1	3	4.2	2	1.9	50%
1344 / 00		w	3	37.0	2	20.2	1	16.8	1%
1345 / 00	Sour wastewater system	c	2	1.2	1	0.2	1	1.0	92%
1346 / 00	Chouf coastal area wastewater system	c	3	1.2	2	0.3	1	0.9	62%
1346 / 00		w	2	16.7	2	16.7			
1353 / 00	Jbeil and Batroun area wastewater system	c	1	0.5	1	0.5			
1353 / 00		w	2	19.1	2	11.5		7.6	10%
1485 / 00	Chekka wastewater system	w	1	10.2			1	10.2	90%

## Wastewater Sector overview (cont'd)

		Total		completed		in progress		prog	
		*No	Amount	*No	Amount	*No	Amount		
1596 / 00	Dora waste water system	c	7	2.6	6	2.0	1	0.6	20%
1596 / 00		w	6	50.3	6	50.3			
1598 / 00	Multi regional wastewater system	c	2	4.7	1	0.5	1	4.2	75%
1599 / 00	Sarafand wastewater system	c	1	0.2			1	0.2	4%
<b>Operation and maintenance</b>			<b>78</b>	<b>94.5</b>	<b>77</b>	<b>89.9</b>	<b>1</b>	<b>4.6</b>	<b>6%</b>
<b>Maintenance of sewers</b>									
1389 / 00	Maintenance of sewers and storm water drains in major c	c	30	3.3	30	3.3			
1389 / 00		w	48	91.1	47	86.6	1	4.6	6%
<b>Sector Totals</b>			<b>222</b>	<b>497.2</b>	<b>176</b>	<b>288.5</b>	<b>46</b>	<b>208.7</b>	<b>40%</b>

## Wastewater contracts awarded in 2007

			Contract amount (in USD)	External funding	Start Date
<b>Capital investment</b>			<b>1,058,326.0</b>		
<b>Water Resources Protection Program</b>					
<b>1306 / 00</b>	<b>New sewer networks</b>				
9229 / 00	Review & updating of the designs of Tripoli coastal wastewater collection	c	23,000		Apr/2007
9302 / 00	Detailed design of additional sewer lines in Jdeidet El Chouf	c	31,900		Oct/2007
<b>1306 / 03</b>	<b>New sewer networks, Bekaa</b>				
9188 / 00	Design of sewer system for 5 localities in Baalbeck area	c	66,000		Oct/2007
<b>Coastal Pollution control Program</b>					
<b>1035 / 00</b>	<b>Completion of Ghadir treatment works</b>				
3629 / 00	Ghadir WWTP - Repair of the damaged sea outfall & various other works	w	252,426	GERMANY	Oct/2007
<b>1342 / 00</b>	<b>Tripoli</b>				
9168 / 00	Design of sewerage networks & pumping stations for the village of Qualamoun	c	70,000		Jan/2007
<b>1596 / 00</b>	<b>Dora waste water system</b>				
9175 / 00	Design & prep of TD for WW collection sewer lines at Dora & sea outfall reh	c	615,000	EIB	Feb/2007
<b>Sector Totals</b>			<b>1,058,326</b>		

## Waste water Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>						
<b>Protection of Lebanon's Coastal regions</b>						
<b>Wastewater systems in the main coastal cities</b>						
<b>55</b>	Construction of Ghadir wastewater secondary treatment plant- second phase	Design Phase	w	52,000,000	IDB OFID GERMANY	Aug/2009
<b>58</b>	Construction of Dora wastewater treatment plant and networks on Dora basin	Tendering Phase	w	76,032,000	EIB	Feb/2009
<b>59</b>	Construction of wastewater treatment plant and wastewater networks for Kasrwan coastal region	Design Phase	w	84,000,000	EIB	Jun/2008
<b>62</b>	Construction of Tripoli sea outfall	Design Phase	w	6,800,000	EIB	May/2008
<b>64</b>	Construction of Sour Wastewater treatment plant networks	Design Phase	w	54,000,000	EIB	Jul/2008
<b>1296</b>	Training of Ghadir River and Construction of Major utilities	Awaiting funding	w	20,500,000		Apr/2008
<b>1366</b>	Construction of main storm water & sewer line on Beirut City	Project identification	w	75,000,000		Apr/2009
<b>1367</b>	Construction of main sewer lines in Dora basin (Beirut River- Qortada- Moltaki nahrain. (line 15)	Project identification	w	6,000,000		Aug/2009
<b>1368</b>	Construction of Saida Secondary Treatment Plant	Awaiting funding	w	8,000,000	JAPAN	May/2009
<b>1409</b>	Construction of sewer network in tripoli city - Qalamoun - Tripoli Section	Design Phase	w	16,000,000	EIB	Apr/2009
<b>1410</b>	Construction of sewer network & infrastructure of Tripoli City - Phase I	Design Phase	w	50,000,000	IDB	Nov/2008
<b>1555</b>	Completion of main sewer lines in northern basin of Tripoli plant	Awaiting funding	w	9,000,000		Sep/2009
<b>1556</b>	Northern wastewater collector and secondary network - Beddawi Al Bared camp section	Design Phase	w	17,400,000		Jan/2009
<b>Wastewater systems in the medium sized coastal cities</b>						
<b>65</b>	Construction of sewer networks for Jbeil coastal region (related to Jbeil wastewater treatment plant)	Design Phase	w	8,700,000	Italian-Prot	Oct/2008
<b>66</b>	Construction of sewer networks for Shouf coastal region (related to Ras Nabi-Younes wastewater treatment plant).	Design Phase	w	14,000,000	AFESD	Oct/2008
<b>67</b>	Construction of sewer networks for Chekka region (related to Chekka wastewater treatment plant)	Design Phase	w	8,000,000	FRANCE-AFD	Jun/2008
<b>68</b>	Construction of sewer networks & wastewater treatment plant in Abdeh	Awaiting funding	w	25,250,000	AFESD	Jul/2008
<b>69</b>	Construction of sewer networks for Batroun Coastal region (related to Batroun wastewater treatment plant)	Design Phase	w	9,000,000	FRANCE-AFD	Aug/2008
<b>1373</b>	Construction of main sewer lines in regions of Behamoun - Qabrchmoun - Ainab - Aitat - Shemlan - Souq El Gharb - Mayfoun - Benkin - Kayfoun - Haret Elkobeh - Rouwaysat el adass	Funding not secured	w	12,000,000		Apr/2009
<b>1378</b>	Construction of sewer Network & WWTP for Sarafand Region	Funding not secured	w	33,000,000		Dec/2008
<b>Protection of Inland Water Resources</b>						
<b>North Lebanon</b>						
<b>71</b>	Construction of a Wastewater treatment plant and sewer networks for Mechmech and neighboring villages	Design Phase	w	9,400,000	Italian-Prot	Dec/2008
<b>72</b>	Construction of a Wastewater treatment plant and sewer networks for Gebrayel and neighboring villages	Awaiting funding	w	15,500,000		May/2009
<b>74</b>	Construction of a Wastewater treatment plant and sewer networks for Qobayyat and neighboring villages	Awaiting funding	w	10,000,000	IDB	Sep/2008
<b>76</b>	Construction Wastewater treatment plant and sewer networks for Albire and Almunjiz in Akkar and neighboring villages	Awaiting funding	w	12,000,000	IDB	Sep/2008
<b>77</b>	Construction of a Wastewater treatment plant and sewer networks for Koura and neighbouring villages	Design Phase	w	26,650,000	FRANCE-AFD	Sep/2008
<b>78</b>	Construction of a Wastewater treatment plant and sewer networks for Bcharre and neighboring villages	Design Phase	w	8,000,000	AFESD	Apr/2008
<b>79</b>	Construction Wastewater treatment plant and sewer networks in Bakhoun and neighboring villages	Design Phase	w	18,800,000	Italian-Prot	Dec/2008
<b>1369</b>	Construction of sewer network & WWTP for Hasroun & surrounding villages	Design Phase	w	5,300,000		May/2009
<b>1540</b>	Construction of wastewater treatment plant and sewer networks in Batroun caza	Design Phase	w	20,000,000	Local	Jun/2010

## Waste water Contracts in preparation (Cont'd)

		Progress Status		Estimated Amount	Funding Source	Indicative start date
<b>Mount Lebanon</b>						
80	Construction Wastewater treatment plant and sewer networks for Qartaba and neighboring villages	Design Phase	w	8,800,000	Italian-Prot	Jun/2008
81	Construction Wastewater treatment plant and sewer networks for Hrajel (keserwan) and neighboring villages	Design Phase	w	10,000,000	Italian-Prot	Sep/2008
82	Rehabilitation and upgrading of the sewer network in the North region and construction of a wastewater treatment plant in Khinshara (Metn)	Design Phase	w	4,000,000	ADFD	Apr/2008
84	Rehabilitation & up grading sewerage networks and Construction of wastewater treatment plant in the central region and in some villages in Kharoub region	Design Phase	w	25,000,000	AFESD	Jan/2009
86	Construction of two Wastewater treatment plants in Barouk/ and Al Safa	Design Phase	w	7,000,000	AFESD	Jan/2009
1370	Construction of WWTP & sewer network for region of Beit-Eddine/Deir el Qamar/ Baakline & surrounding villages	Design Phase	w	20,000,000		Apr/2009
1371	Construction of WWTP & sewer network for region of Sawfar, Majdel Baana, Chanai & surrounding villages	Project identification	w	5,000,000		Oct/2009
1372	Construction of WWTP & sewer network for region of Bkhechtaï, Batloun, Chartoun, Jisr El Kadi & surrounding villages	Design Phase	w	23,100,000		Aug/2009
<b>Nabatiyeh</b>						
88	Construction of Two wastewater treatment plants and related sewer networks for Shakra, Bint Jbeil and neighboring villages	Design Phase	w	4,450,000	Italian-Prot	Sep/2008
90	Construction of a Wastewater treatment plant and sewer networks for Hasbaya and neighboring villages	Design Phase	w	7,700,000	Italian-Prot	Sep/2008
91	Wastewater treatment plant and networks in Jba'a and neighboring villages	Design Phase	w	6,000,000	Italian-Prot	Sep/2008
1276	Construction of Wastewater Treatment Plant and sewerage networks for Marjeoun, Khiam, bourj El-Molouk, Ebl Essai	Design Phase	w	25,000,000		Nov/2008
1277	Construction of Wastewater Treatment Plant and sewerage networks in arkoub	Project identification	w	6,000,000	AFESD	Jul/2008
1375	Construction of WWTP & sewer network for Tibnin & surrounding villages	Design Phase	c	10,000,000	KFAED	Sep/2008
1377	Construction of WWTP & sewer network for Bint Jbeil & surrounding villages		w	11,000,000	Italian-Prot	Sep/2008
1417	Construction of WWTP & sewer network for region of Yohmor, Zawtar, and Kafar Sir	Design Phase	w	10,500,000	EU	Sep/2008
1493	Protection of al Tasseh water source	Design Phase	w	30,000,000		Apr/2009
<b>Bekaa - Protection of Litani River and Karoun Lake</b>						
95	Construction of a Wastewater treatment plant and related sewer network for Hermel and neighboring villages	Tendering Phase	w	19,500,000	Italian-Prot	Sep/2008
96	Construction of a Wastewater treatment plant and sewer networks for Anjar, Majdal Anjar, bar elias, chtaura, mreijat and neighboring villages	Design Phase	w	36,000,000	Italian-Prot	Sep/2008
100	Construction of Labwe wastewater treatment plant & related sewer network	Design Phase	w	4,559,625	Iranian-Prot	Jun/2008
101	Construction of wastewater collection & treatment systems for the region North of Zahle & South of Baalbeck	Design Phase	w	10,000,000	AFESD	Jul/2008
1192	Studies and Tender documents for additional works for Baalbeck waste water treatment plant	Project identification	c	700,000	IBRD	Jun/2009
1379	Construction of WWTP & sewer network for Rachaia & surrounding villages		w	5,500,000		Oct/2009
<b>Sector Totals</b>				<b>1,000,141,625</b>		

# Agriculture and Irrigation



The total value of contracts signed since 1992 in the agriculture and irrigation sector amounted to about US\$ 122.8 million. An agricultural plan has been developed to implement projects within the framework of sector development programs, taking into consideration economic, rural and environmental aspects and based on the land use master plan and in light of the government's policy which focuses on rationalizing public expenditure and benefiting from previous investments.

Within this context, a comprehensive agricultural development plan was prepared. It included an execution program focusing at a better management of natural resources, mainly water; provision of a legislative and institutional framework fit for modern agriculture; and the participation of the private sector, such as cooperatives, syndicates, NGO's and water users in managing the sector

for improving and increasing competitiveness of agricultural production.

Lebanon has benefited from the international assistance provided after the Israeli war in July 2006 which incurred great damages to all economic sectors, including agriculture. The Lebanese government allocated the funds available to the Agriculture sector for implementing projects in affected areas within the framework of an agricultural development program targeting mostly people working in this sector. This program was implemented through UNDP or other international organizations in coordination with concerned ministries and CDR.

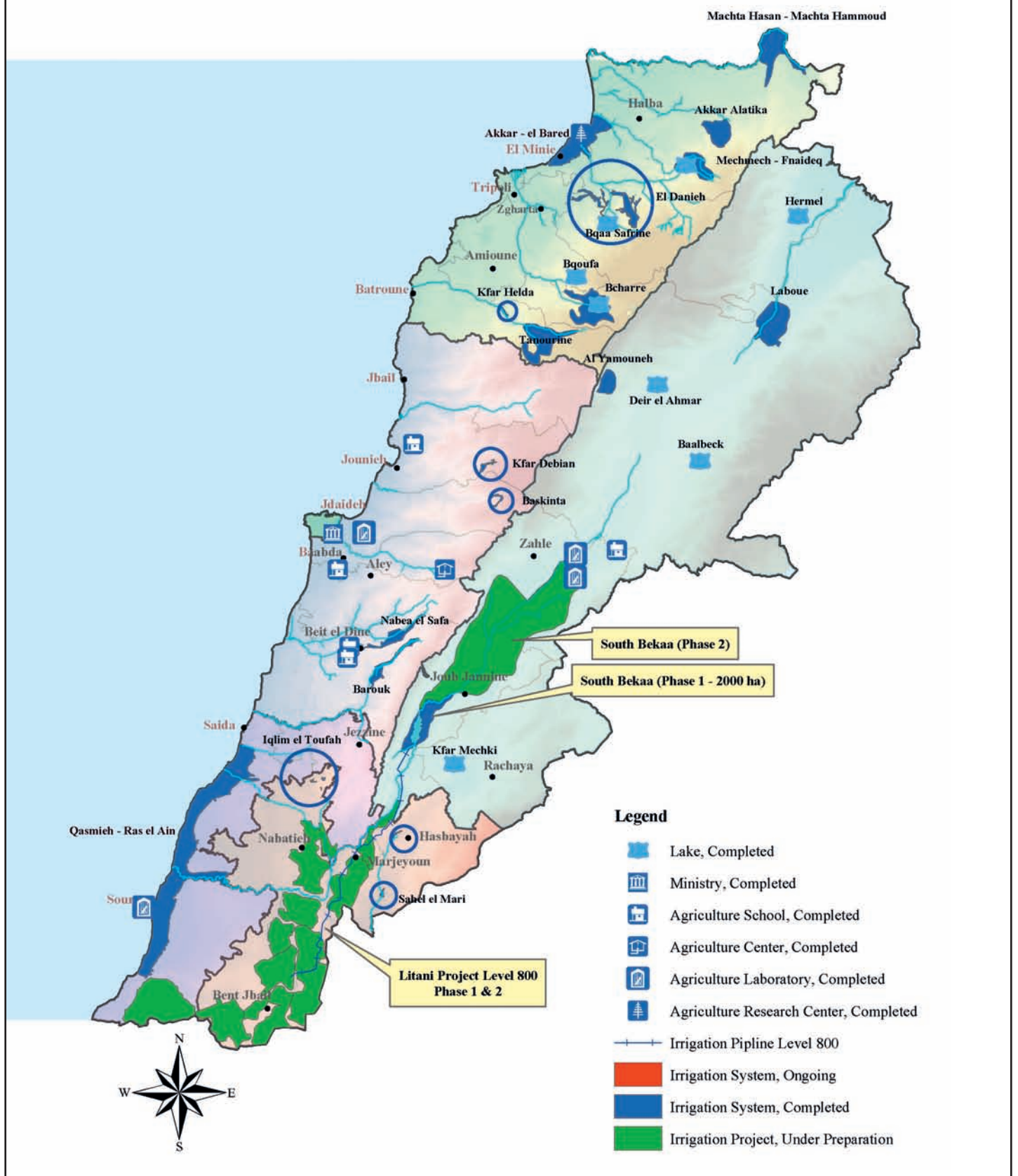
## Achievements to Date

*Institutional support:* This component covers all activities related to the provision of technical assistance (studies, services, training, workshops, etc.) in addition to



*Deir El Ahmar Tleyeh lake*

## Agriculture & Irrigation Completed, Ongoing & Under Preparation Projects





*Talia lake in Hermel.*

procurement of equipment for ministries and public organizations involved in implementing projects in this sector.

The Ministry of Agriculture completed the agricultural census through the contract signed with FAO, which provided technical assistance to the ministry from 1998 until March 2007.

Some activities foreseen for the fourth year of the Northern Beka'a rural development project in Baalbeck – Hermel area were accomplished within the framework of the Italian contribution to increase the efficiency of irrigation water usage and to provide administrative technical agricultural extension in order to improve agricultural production and marketing.

In addition, the Agricultural Research Institute (ARIL)/Ministry of Agriculture implemented the third phase of the scheme for propagating agricultural disease-free certified plants (financed by the Italian Protocol) under the supervision of a coordination committee headed by the Minister of Agriculture.

### **Projects in Progress**

#### *Institutional Support:*

The Italian government approved the request made by ARIL/CDR to

extend Baalbeck- Hermel Development project until April 2008 due to the interruption of some of its activities by the Israeli aggression.

Work is progressing on the agricultural development project until December 31, 2008. These works are financed within the framework of the grant agreement signed by Lebanon and the European Commission to the benefit of the Ministry of Agriculture which is implementing this project in coordination with CDR.

Lebanon benefited from the grant offered by Italy to “Support Lebanon in the Urgent Reconstruction of War Damages”. Part of this grant was allocated to the “Activation of Mechanisms to Sustain Rural Territories and Communities in Lebanon”. An agreement was signed with CIHEAM – Bari to execute this project to the benefit of the Ministry of Agriculture and National Council of Scientific Research in coordination with CDR.

#### *Works:*

The first phase of Litani Water - South Lebanon Conveyer water project which will supply irrigation and potable water will be awarded soon. The project will be financed through a loan provided by the Arab Fund for Social and Economic development (AFSED) and another loan provided by the Arab Economic Development (KFAED). The relative contract is expected to be awarded in June, 2008.

### **Projects under Preparation**

#### *Institutional Support:*

Within the framework of the poverty alleviation project, the olive and olive

oil production supportive scheme, financed by the Italian government (2.5 euros grant), is under preparation in coordination with Ministry of Agriculture.

In addition, the proposal for establishing the National Observatory of Agricultural Development is under preparation. This project aims to make use of the agricultural census results and to invest them in economic development projects in all regions, based on the established agricultural strategy.

The project for “Enhancing Agricultural Production and Marketing Capabilities” was listed as one of the priorities of the Ministry of Agriculture within the framework of the grants offered by the Italian government to support Lebanon.

#### *Works:*

The officials of the International Fund for Agricultural Development (IFAD) conducted field visits to Lebanon in response to MoA's request to review the funding of water storage facilities that will serve as an additional irrigation water source in summer in poor rural regions which suffer from water shortage. This project is estimated to cost about US \$ 16 million. IFAD expressed its intent to secure US \$ 7.9 million, provided that the remaining amount will be secured from other funding sources as well as from the Lebanese government contribution.

Within the framework of rural development, the “Agricultural Development of North Lebanon” project, financed by the European Community (about 18 million euro), is currently under preparation. This project aims to implement a general

## Agriculture Sector overview

	Total		completed		in progress		
	*No	Amount	*No	Amount	*No	Amount	prog
<b>Technical assistance</b>	<b>101</b>	<b>14.4</b>	<b>95</b>	<b>12.5</b>	<b>6</b>	<b>1.9</b>	<b>54%</b>
<b>Institutional development</b>							
1179 / 00 Strengthening Min of Agriculture	c	76	3.7	76	3.7		
1179 / 00	w	7	0.5	7	0.5		
<b>Planning and policy studies</b>							
1184 / 00 Agricultural sector studies and surveys	c	2	6.1	2	6.1		
1570 / 00 Agriculture Development Project	c	1	1.2	1	1.2		
1570 / 00	c	12	2.0	6	0.1	6	1.9
1594 / 00 UN-Assisted Projects	c	3	0.9	3	0.9		
<b>Capital investment</b>	<b>31</b>	<b>7.5</b>	<b>26</b>	<b>5.6</b>	<b>5</b>	<b>1.9</b>	<b>89%</b>
<b>General investment</b>							
1180 / 00 Rehabilitation of Ministry of Agriculture	w	2	0.8	2	0.8		
<b>Rehabilitation of rural centres and schools</b>							
1182 / 00 Rehabilitation of agricultural schools	c	2	0.2	2	0.2		
1182 / 00	w	2	2.6	2	2.6		
1183 / 00 Rehab agricultural research stations and extension servic	c	2		2			
1183 / 00	w	16	1.6	16	1.6		
<b>Agricultural Land Reclamation</b>							
1349 / 00 Land reclamation	c	1	0.4	1	0.4		
1351 / 00 Provision of lacs collinaires for irrigation purposes	c	3	0.2	1		2	0.2
1351 / 00	w	3	1.7			3	1.7
<b>Sector Totals</b>	<b>132</b>	<b>21.9</b>	<b>121</b>	<b>18.2</b>	<b>11</b>	<b>3.8</b>	<b>71%</b>

## Irrigation Sector overview

	Total		completed		in progress		
	*No	Amount	*No	Amount	*No	Amount	prog
<b>Technical assistance</b>	<b>23</b>	<b>1.8</b>	<b>23</b>	<b>1.8</b>			
<b>Rehabilitation of the irrigation sector</b>							
1472 / 00 TA to MHER	c	11	0.9	11	0.9		
<b>Institutional development</b>							
1583 / 00 Equipment for MHER and water authorities	w	12	0.9	12	0.9		
<b>Capital investment</b>	<b>47</b>	<b>86.5</b>	<b>45</b>	<b>71.6</b>	<b>2</b>	<b>14.8</b>	<b>40%</b>
<b>Rehabilitation of irrigation schemes</b>							
1190 / 00 Qasmieh Ras el Ain irrigation	c	4	1.0	4	1.0		
1190 / 00	w	1	8.1	1	8.1		
1191 / 00 Yammounh irrigation rehab	c	4	1.3	4	1.3		
1191 / 00	w	1	7.5	1	7.5		
1192 / 00 Danniye irrig rehab	c	5	1.2	5	1.2		
1192 / 00	w	2	7.7	2	7.7		
1193 / 00 Akkar el Bared irrigation rehab	c	3	0.4	3	0.4		
1193 / 00	w	1	2.9	1	2.9		
1201 / 00 South Bekaa irrign rehab	c	9	2.6	9	2.6		
1201 / 00	w	1	16.0	1	16.0		
1330 / 00 Small and medium irrigation schemes rehab	c	7	3.1	7	3.1		
1330 / 00	w	4	19.7	4	19.7		
<b>Development of irrigation schemes</b>							
1202 / 00 S Lebanon irrign rehab (Litani)	c	5	14.9	3	0.1	2	14.8
<b>Sector Totals</b>	<b>70</b>	<b>88.3</b>	<b>68</b>	<b>73.4</b>	<b>2</b>	<b>14.8</b>	<b>40%</b>



*Tall Amara archeological Laboratory.*

development program which will contribute to the development of productive sectors and raise income per capita in the North. It includes miscellaneous activities to exploit natural resources, such as the construction of public facilities to achieve maximum benefits from available water, in addition to the

provision of support to investment projects and development of the competitive capacities of farmers to be able to sell their products.

The project shall be implemented as follows:

- Preparatory Phase (Mid 2008 – September 2009): Preparation of the execution schedule and work

mechanism.

- Execution Phase: 48 months

- Final Phase: 24 months

Efforts are ongoing to secure external funding for implementing the second phase of West Beka'a irrigation scheme that covers 6600 hectares of agricultural land.

## Agriculture & Irrigation

## Contracts in preparation (Cont'd)

			Progress Status	Estimated Amount	Funding Source	Indicative start date
<b>Capital Investment</b>						
<b>Agriculture Economical Projects</b>						
<b>968</b>	Support of industrial agriculture (Olive and olive oil production)	Design Phase	w	3,400,000	Italian-Prot	Oct/2008
<b>1568</b>	Improved production & Marketing capacities of the Lebanese Agriculture products	Design Phase	w	3,000,000	ITALY	May/2008
<b>1569</b>	National Agriculture observatory	Design Phase	w	1,200,000	ITALY	May/2008
<b>Small Irrigation Schemes</b>						
<b>1549</b>		Design Phase	w	16,000,000	IFAD	Jan/2010
<b>Major Irrigation schemes</b>						
<b>974</b>	Hydro Agricultural development of South Lebanon Irrigation & Water Supply Scheme, Conveyor 800 (Yohmor Tunnel, main conveyor, secondary conveyors and pumping stations)	Design Phase	w	240,000,000	AFESD KFAED	Jul/2008
<b>1242</b>	Hydro Agricultural Development of South Lebanon, Irrigation & Water Supply Scheme , conveyor 800 (Operation & Control Scada system)	Design Phase	w	2,242,000	Local	Sep/2010
<b>1293</b>	Rehabilitation of South Bekaa (Phase II)	Award of Contract	w	54,000,000		Jul/2010
<b>1398</b>	Quasmieh Irrigation Project (works and Supervision)	Design Phase	w	800,000	Local	Apr/2009
<b>1399</b>	South Bekaa Irrigation Project (works and supervision)	Design Phase	w	850,000	Local	Apr/2009
<b>1400</b>	karaoun Dam (works and supervision)	Design Phase	w	150,000	Local	Apr/2009
<b>Sector Totals</b>				<b>321,642,000</b>		

# Ports and Airport



## Ports

The total value of contracts awarded by CDR in the ports sector amounted to about US\$ 7 million. However, other major contracts awarded for the development of Beirut and Tripoli ports, financed through foreign loans, were supervised by the relevant port administrations. The total value of the latter contracts amounted to about US\$ 175 million and most of their works are complete. The government will concentrate its efforts during the next stage on the development and expansion of Tripoli Port to create a maritime outlet for transit shipments to Iraq.

## Achievements to Date

*Rehabilitation and expansion of Beirut Port:* This project included the dredging and rehabilitation of Basins No. 1, 2 and 3, and the completion of Basin No. 4 which will be used as a container terminal, in addition to the related breakwater. The contract was awarded to the Entrecanales/Cubiernas joint venture and work started in early 1997. Beirut Port Authority received technical assistance from Marseille Port Authority concerning the overall supervision of the studies and designs, while supervision of works was provided by Dar al Handassah (Shair & Partners). The project cost, amounting to US\$ 91.1 million, was partially funded by a loan

from the European Investment Bank (45 million euro), while the balance was covered by the Beirut Port Authority out of the port revenues.

Beirut Port Authority awarded later a contract for the construction of the first phase of Basin No. 5. The 600m long x 15m deep quay will be used as a container terminal. The total cost is estimated to be around US\$ 50 million, financed by Beirut Port Authority.

Beirut Port Authority (provisional administration for operating and exploiting Beirut Port) launched in mid-2004 a tender for the management and operation of the container terminal, following the procurement and installation of the basic equipment which prepared the necessary conditions required for start-up operations.

In August 2004, the contract was awarded to the winning bidder (a joint venture of the British Mersey-MDHC and IMA of the USA). The company started its actual activities at Beirut Port on 14/12/2004 under the name of Beirut Port International Management and the volume of work was expected to exceed 500,000 TEU units during 2005.

*Rehabilitation and Development of Tripoli Port:* To secure navigational safety, dredging works and removal of sediment



*General aviation building*

and accumulated debris in the commercial basin and entrance channel commenced in the autumn of 1997. Also, the wrecks of five sunken vessels were lifted and the basin was dredged to a depth of 10 m at a cost of US\$ 2 million.

The government commissioned SOGREAH, a French consulting firm, to prepare a master plan for the development of Tripoli Port (financed under the French protocol). The completed master plan includes the following:

Increasing the depth of the entrance channel from 10 to 13 meters;

Construction of a 600 m long quay extending from the existing port towards Abu Ali River;

Construction of an external breakwater (1000 m), and completion of the northern breakwater near Abu Ali River.

As a first step, work started in 2001 on deepening the basin and the entrance channel at a cost of about US\$ 20 million.

*Development and expansion of Tripoli Port:* The Marseille Port

administration completed a feasibility study for the expansion of Tripoli Port. The European Investment Bank approved a loan of 45 million euro to finance the expansion works. These works were divided into 2 lots:

**Lot 1:** Lot 1 includes the expansion works of the temporary road for the existing main breakwater and extending both the existing main and secondary breakwaters. The works on this lot were awarded in April 2004 (over US\$ 23 million) to the Jan de Nul/ Hydromar joint venture. The contract for supervision works was funded out of the port revenues.

**Lot 2:** Lot 2 includes the construction works of a new 600 m long quay, excavation and deepening of the port basin to accommodate ships up to 15m draw. The works (around US\$ 24 million) were awarded to China Harbour Engineering Company. The supervision contract was funded out of the port revenues.

However, these works are not yet complete and CDR, commissioned by the Council of the Ministers, is working on the issue of completing

the remaining works.

### **Projects under Execution**

The feasibility studies related to the development of tourism activities at Tyre Port are currently under preparation.

### **Projects in Preparation**

*Development of Saida and Tyre Ports:* The studies related to the development of Saida Port are complete.

*Fishing Ports:* Among the proposals submitted by the Ministry of Public Works and Transport are plans to develop several fishing ports along the entire Lebanese coast.

### **Rafic Hariri International Airport**

The total value of contracts awarded for the development of Rafice Hariri International Airport amounted to about US\$ 694.2 million. The master plan of Beirut International Airport aimed to increase the annual passenger capacity to 6 million in the first phase. It is expected that the capacity will gradually increase to

16 million passengers by 2035.

### Achievements to Date

The first phase of the project included the construction of a new passenger terminal and two new runways: one to the east of the existing runway, and the other on land reclaimed from the sea to divert flights away from the capital skies. As a result, the airport is now able to accommodate about thirty planes simultaneously, stationed either at the embarkation gates or in the aircraft parking yards.

The relevant works which started in 1994 are now complete; however, some ancillary works are currently underway. Work on the first phase of the passenger terminal had been completed and the new terminal building was put in service in 1998. The completed

second phase of the passenger terminal has increased the passenger capacity to six million passenger per year. Various facilities, including two additional luggage conveyors, contracted at the end of January 2000, were completed on 30 June 2000. The west runway was put in service during 2001.

The works carried out on other components of the airport are:

Radar building: Completed in September 1996;

Civil Aviation Security Center: Completed in October 1996;

Civil aviation maintenance building: Completed in June 1997;

Fire and rescue training building: Completed in July 1997;

Fire station for land services: Completed in July 1997;

Automatic postal sorting office:

Completed in November 1997;  
Power station: Completed in December 1997;

Infrastructure for passenger terminal and utilities building (electricity, water, main and internal roads) has been in service since the beginning of 1998. The western loop leading to the passenger terminal was completed in February 2000;

Two main water reservoirs and towers are now in service;

Other ancillary buildings and airport guard and security buildings have been handed over to the Airport Authority;

Two Ouzai tunnels under the west runway were opened to traffic in December 1997;

Ouzai-Khaldeh interchange at Costa Brava was opened to traffic in December 1997. Khaldeh interchange was opened to traffic in September 1999 and the link to

## Airport Sector overview

	Total		completed		in progress			
	*No	Amount	*No	Amount	*No	Amount	prog	
<b>Technical assistance</b>	<b>13</b>	<b>28.3</b>	<b>12</b>	<b>24.1</b>	<b>1</b>	<b>4.2</b>	<b>95%</b>	
<b>Institutional strengthening</b>								
1373 / 00 Training and institutional strengthening	c	3	9.6	2	5.4	1	4.2	95%
1373 / 00	w	9	18.6	9	18.6			
<b>Undefined</b>								
9025 / 00 Project undefined	w	1		1				
<b>Capital investment</b>	<b>58</b>	<b>532.1</b>	<b>49</b>	<b>517.8</b>	<b>9</b>	<b>14.3</b>	<b>83%</b>	
<b>Rehabilitate airport</b>								
1074 / 00 Rehab airport & replace East runway	c	2	0.3	1		1	0.2	5%
1074 / 00	w	6	91.0	6	91.0			
<b>West runway and other works</b>								
1075 / 00 Airport development : West runway & other works	c	16	3.6	12	2.2	4	1.4	83%
1075 / 00	w	30	433.6	27	422.8	3	10.8	94%
1076 / 00 AFTN - airport communications	w	4	3.6	3	1.7	1	1.9	30%
<b>Operation and maintenance</b>	<b>12</b>	<b>133.8</b>	<b>8</b>	<b>115.8</b>	<b>4</b>	<b>18.1</b>	<b>61%</b>	
<b>Operation and maintenance</b>								
1506 / 00 Operation and maintenance of facilities	c	7	4.0	4	2.5	3	1.6	73%
1506 / 00	w	5	129.8	4	113.3	1	16.5	60%
<b>Sector Totals</b>		<b>83</b>	<b>694.2</b>	<b>69</b>	<b>657.7</b>	<b>14</b>	<b>36.5</b>	<b>74%</b>

the old Saida road was completed in December 1999;

The embankment protection works for the Ouzai road were completed during 2000;

The car park and the aircraft refueling facilities were completed on the basis of a concession (BOT). In addition, various contracts for consultancy services or supply of aeronautical equipment have been awarded (funding under the French Protocol);

Consultancy services for modernizing the civil aviation administration;

Training equipment for the civil aviation security center (four contracts).

Meteorological equipment (contracts for phase 1 and phase 2).

A VIP pavilion was completed in March 2002.

Another completed VIP pavilion (public flights) is under handing over.

Landscaping works of the VIP pavilion.

Routine periodic tests of air navigational equipment simulators (maintenance and operation).

Consultancy services in the arbitration case related to the rehabilitation and development of Beirut International Airport.

Improving maritime protection and building a quay for the rescue station boats related to the new western runway.

Providing an information system for aerial navigation, including addendums 1, 2 and 3.

Operation and maintenance services of the new building and ancillary structures in Rafic Hariri International Airport with addendums 1 &2 and supervision tasks.

Supervision services related to the rehabilitation of the radar control and surveillance system at Rafic Hariri International Airport.

Geophysical surveys of the new eastern runway area of the airport. Upgrading works of the fencing surrounding the airport.

### Projects in Progress

Within the framework of the airport rehabilitation project and the new eastern runway, CDR awarded the financial and engineering assessment of the VIP building civil works.

Works have also started on the rehabilitation of the aircraft corridor (M) asphalt pavement in the section parallel to the general aviation area.

CDR also awarded the preparation of the contract documents related

## Ports Sector overview

		Total		completed		in progress		prog
		*No	Amount	*No	Amount	*No	Amount	
<b>Technical assistance</b>		<b>1</b>	<b>0.3</b>	<b>1</b>	<b>0.3</b>			
<b>Port studies</b>								
1083 / 00 Ports traffic study and master plans	c	1	0.3	1	0.3			
<b>Capital investment</b>		<b>15</b>	<b>6.9</b>	<b>14</b>	<b>6.1</b>	<b>1</b>	<b>0.8</b>	<b>59%</b>
<b>General investment</b>								
1439 / 00 Navigation safety	c	3	0.1	3	0.1			
1439 / 00	w	4	3.7	4	3.7			
<b>Rehabilitation of Beirut port</b>								
1079 / 00 Rehabilitate the Port of Beirut	c	1	0.1	1	0.1			
1079 / 00	w	1	0.1	1	0.1			
<b>Rehabilitation of other ports</b>								
1081 / 00 Rehabilitate the port of Tripoli	c	3	0.1	3	0.1			
1081 / 00	w	2	2.0	2	2.0			
1161 / 00 Rehabilitate the port of Tyre	c	1	0.8			1	0.8	59%
<b>Sector Totals</b>		<b>16</b>	<b>7.2</b>	<b>15</b>	<b>6.4</b>	<b>1</b>	<b>0.8</b>	<b>59%</b>

to the complementary works of the eastern runway geophysical survey, and the study related to the lighting system of the old western runway, which forms a part of the airport development project, including the western runway.

**In respect of the operation and maintenance of facilities, the following projects have been contracted:**

Operation and maintenance of the new terminal building and associated facilities at Rafic Hariri Airport (Annex C), including the related supervision duties.

Rehabilitation of the airport radar control and surveillance systems (Annex No.1)

Supervision duties related to the rehabilitation of airport radar control and surveillance systems.

Supervision duties related to the

operation and maintenance of airport equipment and facilities.

Operation and maintenance of the new terminal building and associated facilities at Rafic Hariri Airport (Annex D).

Preparation of comprehensive tender documents related to the operation and maintenance of airport equipment and facilities.

**Projects in Preparation**

Currently the following contracts are under preparation:

Implementation and rehabilitation of landing runways and corridors civil works.

Construction of hangars for general aviation companies (first phase)

Rehabilitation and modernization

of the information exchange center (AMSS) at Rafic Hariri International airport.

Rehabilitation of the storm water channel and aircraft parking areas at the TMA hangars at Rafic Hariri International airport.

Preparation of feasibility study, detailed designs and tender documents related to upgrading of Rafic Hariri International Airport.

**Airport contracts awarded in 2007**

	Contract amount (in USD)	External funding	Start Date
<b>Capital investment</b>	<b>306,900.0</b>		
<b>Rehabilitate airport</b>			
1074 / 00 Rehab airport and replace East runway			
9234 / 00 Design & TD prep for the comp geot/geological assessment at new east runway	c 235,400		Jun/2007
<b>West runway and other works</b>			
1075 / 00 Airport development, incl West runway			
9227 / 00 Design & prep of TD for the upgrading of PS for runway 17/35 at the airport	c 71,500		May/2007
<b>Operation and maintenance</b>	<b>17,197,160.0</b>		
<b>Operation and maintenance</b>			
1506 / 00 Operation and maintenance of facilities			
9263 / 00 Sup of the O&M of buildings & facilities at Rafic Hariri Airport - Beirut	c 611,160		Jan/2007
2478 / 02 O&M for new building - Addendum D	w 16,399,000		Jan/2007
9273 / 00 Prep of TD for the O&M of Rafic Hariri intl Airport - Beirut Facilities	c 187,000		Sep/2007
<b>Sector Totals</b>	<b>17,504,060</b>		

# Government Buildings

## Government Buildings

By the end of 2007, the total value of contracts awarded for the restoration, construction and maintenance of government buildings amounted to about US\$ 196 million. Government reports have indicated a great increase in rent paid by the government for its various administrations, and that within a five years period the total rent payment can reach the cost of constructing public buildings for these services. Based on that, the government decided to construct its own administrative buildings on available public properties. The government also requested that the CDR prepare preliminary studies related to this topic for the Council of Ministers. These studies shall form the basis for future

government plans to construct new public buildings.

## Achievements to Date

The rehabilitation works for some government buildings, such as the UNESCO Palace and Tripoli Municipality building were completed. These projects were partially financed by the Saudi Fund for Development (SFD) and by a grant from the Kingdom of Saudi Arabia. In addition to that, the rehabilitation works for the Grand Serail in Beirut and the construction of the new Serails in Jezzine and Tibnine have been completed. The expansion works of the Bar Association building in Tripoli have also been completed.

The expansion and rehabilitation works of UNESCO Palace annex,



*Kaemakamiet Dannieh Building*

financed by the Lebanese government, have been completed. Its operation and maintenance continued until the end of 2004, and then this responsibility was transferred to the Ministry of Education. The construction of the Hermel Serail and the works of Justice Palace in Saida have been completed at a cost of US \$ 1.4 million and US \$ 3.5 million consecutively. Waterproofing works for sections of the National Museum and construction of a new exhibition hall in its basement floor have been completed. Construction of Minieh Kaemakamiet Building, (US\$ 2,290,000), have been completed. The Management Institute Building in Baabda, completed by CDR, was furnished

and equipped at a cost of US\$ 594,686. The construction works of the antiquities shelters on a property owned by the railway authority have been completed and CDR will deliver it soon to the Directorate of Antiquities. The new building of the Ministry of Education and Higher education has been completed and delivered to the ministry.

### Projects in Progress

The study related to the construction of a new building for the Ministry of Economy has been submitted and the building permit needs to be approved. The cost of the project is estimated to be US\$ 2 million and CDR will soon launch the tender.

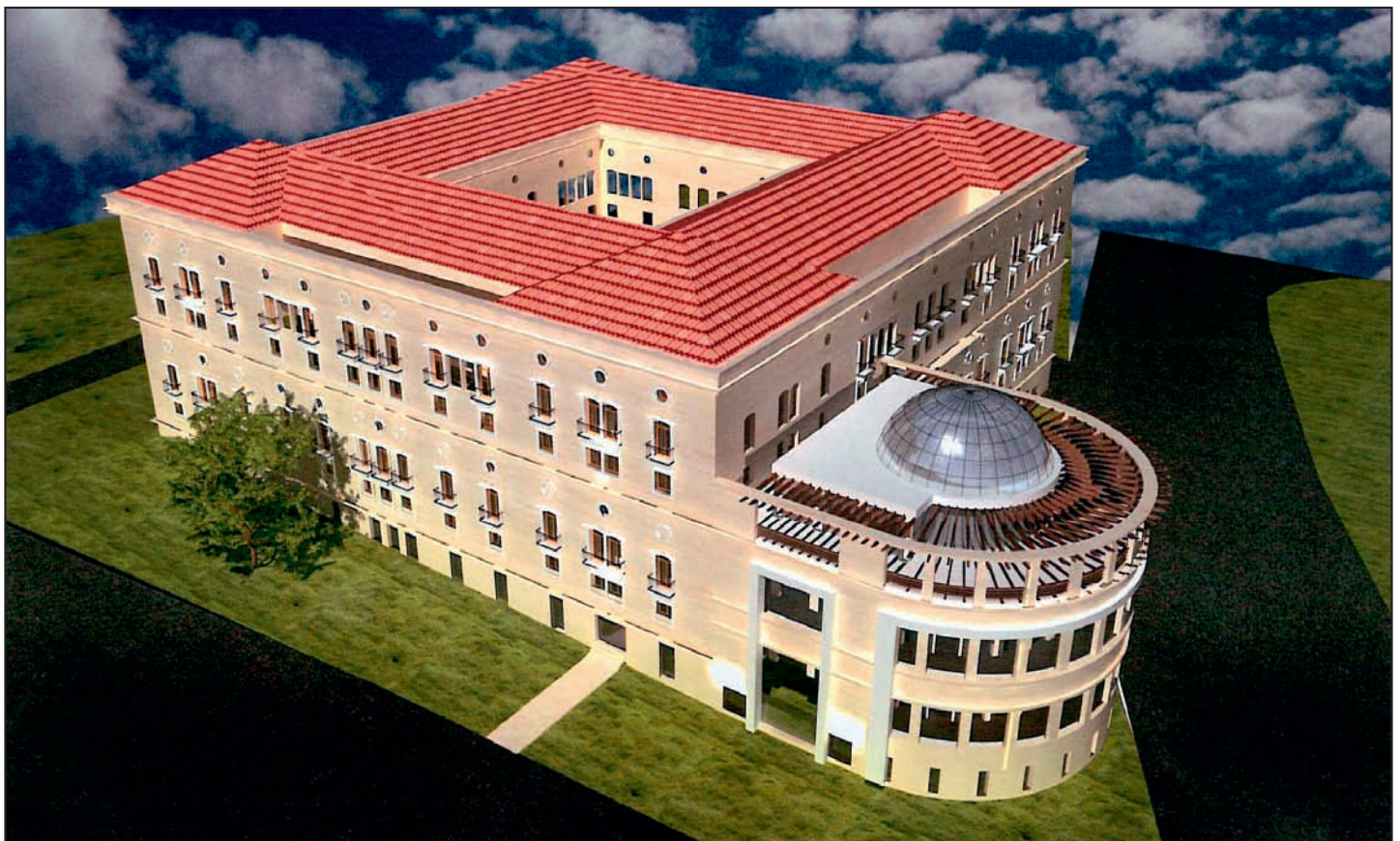
For the construction of the Dannieh Kaemakamiet Building, the relevant works are nearly completed. The cost of these works is about US\$ 1 million.

The studies related to the restoration and rehabilitation of Tripoli slaughter house have been completed and the contract has been awarded.

For the construction of the Grand Serail annex, work is currently progressing for launching this project.

### Projects under preparation

The location of the Customs Building in Sour is facing objections from the Directorate of Antiquities since the expansion of the port may distort the historical



*Ministry of foreign affairs - Saifi (model)*

**Government Buildings Sector overview**

		Total		completed		in progress		prog
		*No	Amount	*No	Amount	*No	Amount	
<b>Technical assistance</b>		<b>1</b>	<b>0.2</b>			<b>1</b>	<b>0.2</b>	<b>85%</b>
<b>Undefined</b>								
9008 / 00 Capacity Building	c	1	0.2			1	0.2	85%
<b>Capital investment</b>		<b>190</b>	<b>193.4</b>	<b>159</b>	<b>113.8</b>	<b>31</b>	<b>79.5</b>	<b>51%</b>
<b>Rehab. and equipment of Music Conservatoire</b>								
1169 / 00 Rehab music conservatoire	w	1	0.1	1	0.1			
<b>Museums</b>								
1165 / 00 Rehab Beirut Museum	c	4	0.1	4	0.1			
1165 / 00	w	3	2.0	3	2.0			
<b>Rehabilitate government buildings</b>								
1264 / 00 Detailed survey	c	1		1				
1266 / 00 Customs posts	w	1		1				
1269 / 00 Rehab other Govt buildings	c	18	1.3	18	1.3			
1269 / 00	w	54	27.4	53	21.7	1	5.7	60%
1271 / 00 Additional equipment & furniture	w	5	0.9	5	0.9			
1280 / 00 Rehabilitate Grand Serail	c	3	2.2	3	2.2			
1280 / 00	w	9	46.6	9	46.6			
1333 / 00 Rehabilitation of Justice Palace	c	1		1				
1333 / 00	w	5	5.4	5	5.4			
1334 / 00 Rehab and reconstruction of Presidential Palace	w	1	13.5	1	13.5			
1335 / 00 Rehabilitation of Glass Building	c	2	0.2	2	0.2			
1335 / 00	w	1	3.5	1	3.5			
<b>New government buildings</b>								
1270 / 00 New Govt buildings	c	36	7.6	17	1.5	19	6.1	36%
1270 / 00	w	18	59.9	10	9.0	8	50.9	69%
1492 / 00 Constitutional Council building	w	8	0.3	8	0.3			
1521 / 00 Constuction of Beirut fire department	c	2	0.1	1		1	0.1	
<b>Construction of slaughterhouses</b>								
1272 / 00 Slaughterhouses	c	10	1.7	9	1.1	1	0.6	
1272 / 00	w	4	18.5	3	2.3	1	16.2	
<b>National Defence and Interior</b>								
1336 / 00 ISF training centre, Aramoun	c	2	1.8	2	1.8			
1336 / 00	w	1		1				
<b>Operation and maintenance</b>		<b>22</b>	<b>2.7</b>	<b>21</b>	<b>2.7</b>	<b>1</b>		<b>50%</b>
<b>O &amp; M of Government Building</b>								
1473 / 00 Unesco Palace	c	1	0.1	1	0.1			
1473 / 00	c	5	0.3	4	0.3	1		50%
1473 / 00	w	16	2.3	16	2.3			
<b>Sector Totals</b>		<b>213</b>	<b>196.3</b>	<b>180</b>	<b>116.5</b>	<b>33</b>	<b>79.8</b>	<b>51%</b>

## Government Buildings contracts awarded in 2007

			Contract amount (in USD)	External funding	Start Date
<b>Capital investment</b>			<b>8,285,597.3</b>		
<b>Rehabilitate government buildings</b>					
1269 / 00	Rehab other government buildings				
3088 / 00	Rehab of Beirut Municipality on land # 179, 243 Marfa'a	w	5,727,765		Jun/2007
<b>New government buildings</b>					
1270 / 00	New government buildings				
4829 / 00	Supply & installation of furn for the office of the minister of higher educ	w	50,490		Oct/2007
7841 / 00	Design & Sup for the const of the ministry of foreign affairs & emig bldg	c	716,418		Jun/2007
9170 / 00	TA & Sup for the reh of Beirut Municipality on parcel 243 - Al Marfaa	c	125,325		Feb/2007
9186 / 00	Design & Sup for the implementation of data network at the Min of Educ	c	35,025		Apr/2007
9228 / 00	Design & Sup for the reh of National Statistics Agency at Unesco Area	c	66,000		Apr/2007
9240 / 00	Sup for the supply & inst of furniture for the MEHE Auditorium (New Bldg)	c	22,036		Jun/2007
4808 / 00	Supply & installation of furniture for the MEHE Auditorium (New Building)	w	550,912		Jun/2007
9247 / 00	Prep of TD for the operation & maintenance & cleaning of new MEHE Bldg	c	16,584		Jun/2007
9249 / 00	TA & Supervision for the Installation of Skylight to the Serail of Jezzine	c	4,723		Aug/2007
4761 / 00	Supply and Installation of Skylight to the Serail of Jezzine	w	157,420		Aug/2007
9250 / 00	Design & Sup for the reh of the ministry of finance-Beirut Central District	c	70,400		Aug/2007
9290 / 00	Design & Sup for the reh of a gov complex on the lebanese-syrian borders	c	742,500		Oct/2007
<b>Sector Totals</b>			<b>8,285,597</b>		

seafront.

Funding also needs to be allocated for the construction of a governmental complex in Chhim (US\$ 4.1 million). The requirements for joining the different plots into a single property are underway.

After engaging a consultant to prepare the study for building a governmental complex in Masnaa at the Syrian border, the Council of Ministers decided to entrust the Ministry of Public works to implement this project. Financing

is currently being sought for the Abboudieh complex.

For the construction of the new building for the Ministry of Foreign Affairs, a consultant was appointed for the project. The cost for construction is estimated to be about US \$ 8 million.

The project for constructing government buildings on public properties still needs the decision of the Council of Ministers in order to proceed with in detail as well as to secure the necessary funding.

The environmental impact and the economic feasibility studies of the wholesale vegetable market in Tripoli, including selection of appropriate site, have been completed and the project is expected to be awarded soon.

For the construction of Beirut Fire Department building, a new consultant has been appointed to follow-up the project and work is going on to update the previous studies and tender documents in order to re-launch the project.

**Government buildings Contracts in preparation (Cont'd)**

				<b>Progress Status</b>	<b>Estimated Amount</b>	<b>Funding Source</b>	<b>Indicative start date</b>
<b>Capital Investment</b>							
<b>Government Buildings</b>							
<b>1009</b>	Construction works for Ministry of Economy in Beirut	Tendering Phase	w	3,753,730	Local	Dec/2008	
<b>1013</b>	Rehab of Customs Building in Saida	Design Phase	w	400,000	Local	Jan/2009	
<b>1014</b>	Rehab of Customs Building in Sour	Tendering Phase	w	383,250	Local	Jan/2009	
<b>1017</b>	Construction of an Annex to the Grand Serail	Design Phase	w	4,752,850	Local	Jan/2009	
<b>1018</b>	Governmental Building complex in Abboudieh	Design Phase	w	18,419,265	Local	Dec/2008	
<b>1021</b>	Construction of training centre for the internal security force - Aramoun	Tendering Phase	w	50,000,000	Local	Dec/2009	
<b>1271</b>	Governmental Building complex in Masnaa	Design Phase	w	11,150,986	Local	Nov/2009	
<b>1272</b>	Governmental Buildings in Public lands	Awaiting funding	w	39,900,000	Local	Jan/2009	
<b>1273</b>	Building for Ministry of foreign affairs	Plot Problem	w	8,000,000	Local	Dec/2008	
<b>1298</b>	Rehabilitation Border Points Arida - Abboudieh - El Kaa	Design Phase	w	9,000,000	Local	Dec/2008	
<b>1348</b>	Fire Brigade Building - Beirut	Design Phase	w	2,400,000	Local	Aug/2009	
<b>1406</b>	Rehabilitation & signalisation for the old Pharmacy school in the directorate of statistics in the Lebanese University	Design Phase	w	600,000	Local	Dec/2008	
<b>1407</b>	Construction of the new headquarters for the Ministry of Health	Design Phase	w	4,000,000	Local	May/2009	
<b>1416</b>	Construction of a building for the Ministry of Finance in Baabda	Design Phase	w	17,000,000		Jun/2009	
<b>1454</b>	Rehabilitation of a building for training of agricultural production at Hariss	Design Phase	w	195,000	EU	Jul/2008	
<b>1455</b>	Construction of an agricultural center at Nabatieh El Fawka	Design Phase	w	260,000	EU	Jul/2008	
<b>1456</b>	Completion of Social Center at Roumine	Design Phase	w	195,000	EU	Jul/2008	
<b>1457</b>	Construction of an agricultural Center in Zefta	Design Phase	w	130,000	EU	Jul/2008	
<b>1458</b>	Construction of a Market in Tair Debba	Design Phase	w	390,000	EU	Jul/2008	
<b>1459</b>	Construction of a Municipality building in Kosaibeh	Design Phase	w	195,000	EU	Jul/2008	
<b>1460</b>	Furnishing of Electrical Equipment and Maintenance for some electrical stations	Design Phase	w	2,600,000	EU	Jul/2008	
<b>Vegetable Market in Tripoli</b>							
<b>1299</b>	Construction of a Whole sale Vegetable Market in Tripoli	Design Phase	w	6,600,000	SFD	Sep/2008	
<b>Sector Totals</b>				<b>180,325,081</b>			

# Financing the reconstruction plan



## Secured Financing

The Foreign financing that is secured for the reconstruction program includes loan agreements ratified by the parliament, loan agreements signed by the government and grant agreements implemented pursuant to government decrees. At the end of 2007, the total amount of secured foreign financing amounted to US\$ 8790 million, comprised of grants, soft loans, commercial loans, export credits and medium-term loans <sup>(1)</sup>. The total foreign financing may be broken down as follows:

	Grants	Loans			Total
		Soft loans	Others	Sub Total	
Amount in million US\$	2575	3333	2883	6216	8790
% of total	29%	38%	33%	71%	100%

The CDR adopts a general financing policy based on securing soft loans for social services sectors and commercial loans for high profitability (productivity) sectors and projects. However, CDR is not the only governmental entity responsible for implementing the reconstruction program. A number of ministries and governmental administrations also participate in implementing various parts of this program.

*Distribution of secured foreign financing by source:* About 35 foreign financing sources have contributed to the reconstruction program. Chart 1 shows the share of each source that contributed more than US\$50 million to the program. It should be noted that 13 main foreign financing sources have contributed more than 90% of the total foreign financing, namely: the Arab Fund for Social and Economic Development (AFSED) (15%), the European Investment Bank (EIB) (14%), the World Bank (IBRD) (9%), the Islamic Development Bank (IDB) (9%), Kuwait and Kuwaiti institutions (11%), Saudi Arabia and the Saudi Fund for Development (SFD) (11%), the State

<sup>(1)</sup> Medium-term loans are loans extended by certain donors, such as the World Bank and the European Investment Bank, at interest rates close to market rates, but which benefit from longer grace and repayment periods.

of Qatar (4%) the European Union (EU) (6%), Italy (5%), France and French institutions (5%) and commercial banks (3%).

*Distribution of secured foreign financing by sector:* Chart 2 shows the updated distribution of secured financing based on the main sectorial groups. The share of the basic infrastructure sectors in the secured foreign financing was 30%, covering mainly the electricity and roads sectors. The share of social sectors amounted to 13%, covering education, public health and housing compensations. The share of basic services sectors stood at 19% ,covering potable water supply, wastewater and solid waste sectors. The share of the productive sectors amounted to 8%, including the airport, seaports, agriculture and irrigation. Finally, the share of public administrations, buildings and other sectors amounted to 30%.

## New Financing

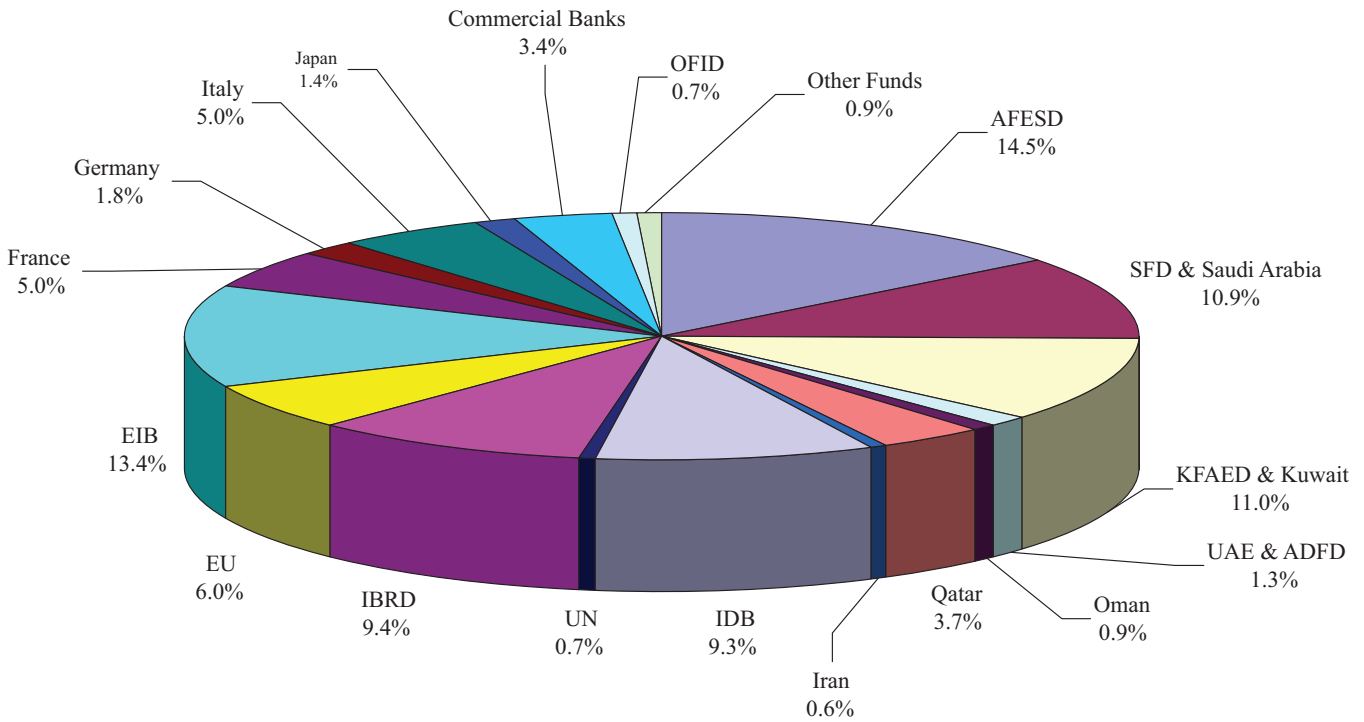
The Foreign financing secured during 2007 reflects the efforts made by CDR to translate foreign funding promises into secured financing, which would only require completion of certain legal and administrative procedures to become effective <sup>(2)</sup>. We also indicate that most of the financing secured in 2007 was part of the declaration of intent made during the Stockholm and Paris III Conferences. The Total foreign financing secured during 2007 amounted to about US\$ 349 million and 145 million euro in the form of loans, and US \$ 227 million and 142 million euro in the form of grants. The main loan agreements or grants signed or ratified in 2007 are listed as follows:

### The French Agency for Development (AFD)

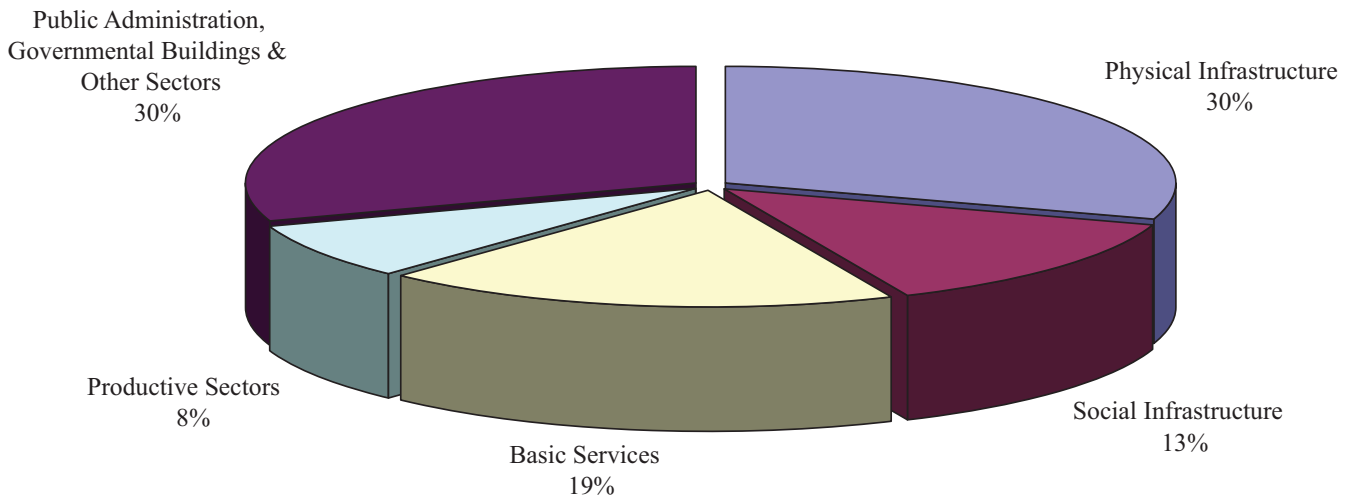
On July 3, 2007, a loan agreement for an amount of 1.5 million euro was signed with the French Agency for Development to finance the productive sector studies and capacity building and to contribute to financing the technical assistance provided to reform the electricity sector.

<sup>(2)</sup> Excluding financial protocols and memoranda of understanding (MOUs) which always require additional financing agreements pertaining to the projects identified and agreed to in the protocols and MOUs.

**Chart 1**  
**Ratified, Signed & Approved Foreign Financing \$ 8,790 millions**  
**Distribution by Donor**



**Chart 2**  
**Ratified, Signed & Approved Foreign Financing \$ 8,790 millions**  
**Distribution by Sector**



On November 28, 2007, a grant agreement for an amount of 500,000 euro was signed with AFD to support the Directorate of Antiquities.

#### **France**

In July 3, 2007, a Memorandum of Understanding concerning a grant in kind was signed with the French government to the benefit of EDL, in order to finance the preparation of the master plan of the electricity sector (production and transmission). The relevant contract will be implemented by Electricity Du France.

#### **The Islamic Republic of Iran**

On August 6, 2007, a grant in kind was signed with the Islamic Republic to construct the 23 Km international road between Baalbeck and Toufikieh.

#### **The Arab Fund for Social and Economic Development (AFSED)**

On January 15, 2007, a funding agreement for an amount of KD 35 million (about US \$ 125) was signed with AFSED to finance the rehabilitation works of electricity infrastructure that was damaged during July 2006 war.

On January 15, 2007, a funding agreement for an amount of KD 25 million (about US \$ 84) was signed with AFSED to finance the loans provided to private enterprises which were damaged during the July 2006 war.

#### **The Sultanate of Oman**

On April 14, 2007, a grant agreement for an amount of US \$ 60 million was signed with Oman as a contribution for the reconstruction of damages caused during July 2006 war.

#### **The World Bank (IBRD)**

On May 7, 2007, an executive agreement for an amount of US \$ 15 million was signed with the World Bank to finance the urgent potable water project in west Bekaa. This constitutes part of the grant (US \$ 70 million) provided by IBRD to Lebanon after July 2006 war.

On May 7, 2007, an executive agreement for an amount of US \$ 5 million was signed with IBRD to finance the Electricity Sector- Urgent Reform and Administrative Support Project. This formed part of

the grant the Bank provided to Lebanon after July 2006 war.

On July 9, 2007, a loan agreement for an amount of US \$ 100 million was signed with IBRD, as part of the electricity sector reform agenda.

#### **The Kuwait Fund for Arab Economic Development (KFAED):**

On May 2, 2007, another soft loan for an amount of KD 7.5 million (about US \$ 25.5) was signed with KFAED to complete the school buildings in Beirut.

#### **Kuwait/Kuwait Fund for Economic and Social Development (KFECD)**

On August 10, 2007, 11 detailed financing agreements, totaling US \$ 45.8 million, were signed with KFECD to finance 6 infrastructure projects and governmental buildings in the Southern suburbs and 5 miscellaneous projects in different regions. This formed part of the Kuwait grant provided to Lebanon after the Israeli aggression in the summer of 2006

On November 7, 2007, 13 detailed financing agreements, totaling US \$ 61.35 million, were signed with KFECD to finance the main roads, potable water and waste water projects in Jbeil, Sour and Nabatieh regions and to complete the rehabilitation of Riyak-Baalbeck road, in addition to miscellaneous projects in different regions. This formed part of the Kuwaiti grant provided to Lebanon after the Israeli aggression in the summer of 2006

#### **Saudi Fund for Development (SFD):**

On August 8, 2007, SFD agreed to allocate the returns (US \$ 4.2 million) of the US \$ 100 million grant (made previously) to health projects.

#### **The European Union (EU)**

On August 2, 2007, a grant agreement of 19 million euro was signed with EU within the framework of MEDA 2 program for 2005-2006 to finance the Economic Recovery and Reconstruction Project, which will benefit public utilities in a number of municipalities damaged during the July war. The project will be implemented by CDR.

On July 2, 2007, a grant agreement of 10 million euro was signed with EU within the framework of the MEDA 2 program for 2005-2006 to finance the technical assistance provided to public

administrations in its reconstruction effort. The project will be implemented through CDR.

On July 23, 2007, a loan agreement of 19 million euro was signed with EU within the framework of the European Neighborhood Program ENP-07 to finance the Economic Recovery Project-1 which will benefit municipalities. The project will be implemented jointly by CDR and the Office of the Minister of State for Administrative Reform.

On July 26, 2007, a grant agreement of 10 million euro was signed with the EU within the framework of the European Neighborhood Program ENP-07 to finance the political and socio-economic reforms support project which will benefit public administrations. This project will be implemented through the Office of the Prime Minister.

On August 23, 2007, a grant agreement of 15 million euro was signed with the EU within the framework of ENP-07, as an interest subsidy to the loan provided by EIB to finance the rehabilitation of small and medium scale enterprises in the private sector.

#### **The European Investment Bank (EIB)**

On November 23, 2007, a loan agreement of 100 million euro was signed with EIB to finance small and medium scale enterprises in the private sector.

#### **The Italian Government**

On June 12, 2007, an executive agreement of 5.9 million euro, financed under the Italian Protocol (1998-2008), was signed with Italy to complete Tripoli and Al Koura potable water supply networks. The project includes the installation of potable water networks, transmission and distribution lines and storage tanks in Qualamoun, Mijdlia and Ras Masqua. On November 19, 2007, a grant agreement of 30 million euro was signed with Italy within the framework of Paris III Conference, including:

Ten (10) million euro to support UN agencies, particularly UNDP, UNMAS, ILO, FAO, UNFPA and UNRWA.

Nine (9) million euro for Italian NGOs operating in Lebanon.

One (1) million euro for technical assistance.

Ten (10) million euro for general projects (3 million to complete Baabda Hospital; 5 million to complete Dannieh potable water network; and 2 million to the Ministry of Social Affairs projects).

On November 19, 2007, a soft loan agreement of 39 million euro was signed within the framework of the Italian Protocols of 1997 and 1998-2000 to finance potable water and wastewater projects in Jbeil region.

#### **The German Government**

On January 26, 2007, CDR signed with the German government/GTZ a grant agreement of 5 million euro to finance projects related to existing vocational schools, potable water and electricity (The grant approval decree was issued on February 22, 2007). The project is implemented directly by GTZ, in coordination with CDR.

On December 12, 2007, a grant agreement of 24 million euro was signed with the German government to finance projects in the education sector (2 million euro) and water and wastewater sectors (22 million euro).

#### **The Korean Government**

On February 21, 2007, a Memorandum of Understanding was signed with the Korean government to donate a grant in kind of US \$ 5 million, dedicated to the construction of Tibnine School in the South and Brital School in North Beka'a. The Korean government will implement this grant through the Korean Agency KOICA.

#### **The Islamic Development Bank (IDB)**

On September 4, 2007, a soft loan agreement of US \$ 4.5 million was signed with IDB to prepare the studies and designs related to Greater Beirut Water Supply Project.

#### **OPEC Fund for International Development (OFID)**

On September 5, 2007, a loan agreement of US \$ 10 million was signed with OFID to complete the northern coastal road (Deir Ammar- Abdi).

#### **CISCO Company**

On July 5, 2007, a grant agreement of US \$ 363,000 was signed with CISCO. This amount is allocated to provide training opportunities in public administrations and institutions to 25 Lebanese trainees graduated from different Lebanese universities and institutes, for a period of 11 months, in order to reinforce partnership aiming to secure an

appropriate environment and on-job training of the Lebanese youth.

### **Lebanon Recovery Fund (LRF)**

Within the framework of the assistant (grants) provided to Lebanon subsequent to Stockholm and Paris III conferences, 15 projects (US \$ 25.3 million) were awarded in 2007. These projects, which will be financed from the US \$ 30.7 million grants offered to LRF (US \$ 9.8 million from Sweden, US \$ 20.3 million from Spain and US\$ 0.6 million from Romania), are being implemented by UNDP, UNIDO, FAO, ILO, UNESCO and UNFPA.

### **Future Financing**

The foreign financing that CDR expects to secure in 2008 includes initially approved financial agreements and loans promised during Paris III Conference. The loans that are still under negotiation, and have not yet reached an initial agreement or promised, are not included hereafter. A summary of the most important financing agreements, which are expected to be complete within the coming year, are detailed below according to the source of funding:

#### **The Saudi Fund for Development (SFD)**

On February 4, 2008, a separate agreement of US\$ 15 million was signed with SFD to finance the construction of the Faculty of Science at the Lebanese University in the North, within the framework of the Construction project of the Lebanese University Campus in the North.

On the other hand, and within the framework of the Paris III Conference, SFD pledged US \$ 1000 million in soft loans for various sectors which are under discussion with stakeholders.

#### **The European Investment Bank (EIB)**

The CDR and EIB are currently preparing a loan agreement for an amount of about 66 million euro to finance Kesrwan Wastewater Treatment Plant. The project will be implemented by CDR.

#### **The Islamic Republic of Iran**

The Preparations are expected to start soon for signing a financing agreement (30 million euro) with the Islamic Republic of Iran, as part of the second phase of the Iranian Protocol (US\$ 100 million).

#### **The Islamic Development Bank (IDB)**

During the annual meetings of Arab financial organizations held recently in Sana'a, Yemen, on April 2, 2008, a framework agreement (US \$ 245) was signed with IDB.

This agreement will finance several projects in the following five (5) sectors: Infrastructure, health, roads, education and water, including the Bisri Dam construction project (120 million<sup>3</sup> capacity), which will supply potable water to Greater Beirut area.

It is worthy to note that IDB had agreed previously to allocate US\$ 5 million to finance the rehabilitation of Zaghla- Shwaya- Cheba'a road and Ghandourieh – Marjyoun road out of the remaining balance of the South agreement signed in 2000.

#### **IBRD**

Within the framework of following up the declarations of intent made in Paris III Conference, CDR is working with IBRD on a financing agreement to support the general budget, provided that the reform program of the electricity and social services sectors is achieved. IBRD is expected to provide a loan of US \$ 75 million (within the framework of the reform agenda of the electricity sector).

#### **The European Union (EU)**

The CDR and the EU are preparing a new grant agreement of 18 million euro to finance the Local Development for North Lebanon. The project will be implemented by CDR.

#### **The Italian Government**

A grant agreement of about 10 million euro is under negotiations with the Italian government to finance infrastructure and social services projects.

#### **The German Government**

Another grant agreement is under preparation to finance urgent projects of socio-economic development and protection of the environment.

#### **The Kuwait Fund for Arab Economic Development (KFAED)**

The CDR is currently negotiating with KFAED to secure the following:

A new loan to complete the international highway (Hazmieh – Sofar section).

Financing of Zahle water and Rashaya wastewater projects, Quaisamani Dam and Tripoli – Aboudieh railway project.

Additional financing for development of Rafic Hariri International Airport, Phase I.

### **The Greek Government**

The Greek Government donated two grants in kind (US \$ 2.5 million) to finance the following two projects, which will be implemented directly by the donor: Rehabilitation and furnishing of two health centers; and construction of overhead pedestrian bridges,...(The two grants were accepted in 2007). The executive memorandum is expected to be achieved in 2008.

### **The Belgican Government**

The Belgican government accepted approved the donation of a grant of 3 million euro to complete the rehabilitation and furnishing of Tibnine Hospital. The executive memorandum is expected to be achieved in 2008.

### **Kuwait**

Eleven (11) agreements were signed on April 9, 2008, to finance a number of projects allocated within the US \$ 300 million grant offered by Kuwait.

The total amount of the agreements is US \$ 66,500,000, distributed on 11 projects in several regions in the North, South, West Beka'a and Southern suburb.

### **The Peoples Republic of China**

To enforce the Declarations of Intent made in Paris Conference III, a grant in kind of 30 million Yuan (about US \$ 4 million) was signed with China to provide technical assistance and furnishings to public administrations.

Ratified, Signed, and Approved Foreign (Under and Not under CDR control, Grants)  
(\$ Million) 31 December 2007

Sector name	AFFED	SFD	Saudi	KFAPED	Kuwait	UAE	ADFD	Arab sea use	Aglfund	Argentina	Oman	Qatar	Iran	IDB	IBRD	EU	EIB	UN	METAP	CRIF	IFAD	OFID	Belgium	France	Ireland	Germany	Italy	Japan	China	Comm. Bank	Sweden	Netherlands	USA	Greece	HRealCom	Total																
Total allocated	30.86	0.36	653.56	10.22	478.92	55.00	0.28	0.10	0.39	75.00	327.14	106.97	2.23	519.70	12.79	59.37	0.36	2.62	0.19	327.73	0.05	56.41	70.44	7.18	7.53	2.39	0.13	2.57	2,516.15	0.76	41.95	1.17	151.07	0.76	53.71																	
Electricity					24.17																																															
Telecommunication																																																				
Roads and Highways			114.48		33.85																																															
National Education			25.7		3					0.15				1.91																																						
Vocational and Technical education																																																				
Culture & Higher Education	0.54		0.08								1.5				0.03	4.25	2.43										0.81																									
Youth and sports			10.44		20.13																																															
Public health			39.69	8.79	29.8																																															
Social & economic development	10.72														0.3	49.63	4.13																																			
Housing & resettlement																																																				
Water supply			11.91		9.35																																															
wastewater					13																																															
Solid waste																																																				
Land use & environment																																																				
Public Transport																																																				
Airport																																																				
Ports																																																				
Agriculture																																																				
Irrigation	1.79																																																			
Industry																																																				
Oil & Gas																																																				
Tourism	0.36																																																			
Private Sector Services																																																				
Government Buildings			1.26		2.1	5					1																																									
Public administration	0.14																																																			
Public information	0.18																																																			
Management & Implementation, other	3.81																																																			
Miscellaneous	12.97		450		334.43																																															
Undefined Sectors			45.41		9.68																																															
Grand Total	30.87	0.00	698.97	10.22	488.61	55.00	0.00	0.28	0.10	0.39	327.14	0.00	106.97	2.23	522.98	12.79	59.35	0.36	2.62	0.00	0.19	0.00	327.73	0.05	57.43	70.45	7.17	7.53	0.00	2.38	0.26	0.13	2.57	0.76	41.95	1.17	151.07	0.76	53.71	0.76	2,516.15											

Ratified, Signed, and Approved Foreign (Under and Not under CDR control, Loans)  
(\$ Million ) 31 December 2007

Sector name	AFESD	SFD	Saudi	KFACD	Kwait	UAE	ADFD	Arab	Agfund	Argentina	Oman	Qatar	Iran	IDB	IBRD	EU	EB	UN	METAP	CHF	IFAD	OFID	Belgium	France	Ireland	Germany	Italy	Japan	China	Comm. Bank	Sweden	Netherlands	USA	Greece	HRelCom	Total	
Total allocated	1,165.24	253.42		455.48			62.51						44.50	695.39	413.16	8.22	1,165.63				32.07	64.11	1.76	378.30	104.36	372.81	109.49	7.99	303.01			21.00			6,077.45		
Electricity	367.25			61.83									17.00	131.47	104.73		86.5						101.47			72.84	238.53		301.43						1,503.05		
Telecommunication				33.11										11.85	12.7								11.46													69.10	
Roads and Highways	280.28	134.38		79.85			10.00						128.73	100.69			113.44					34.52														881.99	
National Education	21.96	15.82		52.25									35.67	56.57	7.09								0.54													189.90	
Vocational and Technical education	51.18												30.86	58.37								3.75		6.48												150.64	
Culture & Higher Education	102.22	14.50											103.57										6.74			14.5										241.53	
Youth and sports													95.15	35.7	1.13							15.11		5.87												199.03	
Social & economic Development															20																					200.0	
Housing & resettlement	28.59						25.00								13.27																					66.86	
Water supply	69.15	34.49		104.72			10.00						14.00	70.61	130.87		104.24					5	89.65													710.88	
wastewater	47.89						17.50						2.25	47.74	10.33		294.23							98.11			23.01	85.66	37.51							664.23	
Solid waste															31.92																					31.92	
Land use & environment																																				0.00	
Public Transport																																				0.00	
Airport				53.61																				26.82													208.05
Ports																							0.84	3.25												132.21	
Agriculture																																				82.05	
Irrigation	84.35			67.19											21.51	56.71						32.07	5	2.47									21			288.25	
Industry																																				45.94	
Oil & Gas														25			42.54						0.92	1.3												25.00	
Tourism															28.11		42.54							17.02													87.67
Private Sector Services																																				0.00	
Government Buildings		6.33																																		32.18	
Public administration	13.94														126.41																					141.68	
Public information																																				7.13	
Management & Implementation, other	92.67	1.83		2.92											1.16	5.26						0.73														118.64	
Miscellaneous	37.6																226.89																			239.09	
Undefined Sectors	78.63	3.86		10.37									7.62	12.52	10.87									30.3												158.19	
Grand Total	1,241.87	257.28	0.00	465.85	0.00	1.00	62.50	0.00	0.00	0.00	0.00	0.00	52.12	708.91	824.02	8.22	1,165.62	0.00	0.00	0.00	32.85	64.11	1.76	408.61	0.00	104.36	372.80	112.73	7.99	303.01	0.00	21.00	0.00		6,215.61		

**Ratified, Signed, and Approved Foreign Financing (Under and Not under CDR control)**  
 ( \$ Million ) 31 December 2007

Sector name	AFESD	SFD	Saudi	Kuwait	UAE	ADFD	Arab	Agfund	Argentina	Oman	Qatar	Iran	IDB	IBRD	EU	EIB	UN	METAP	CRIF	IFAD	OFID	Belgium	France	Ireland	Germany	Italy	Japan	China	Comm. Bank	Sweden	Netherlands	USA	Greece	HR&G/om	Total			
Total allocated	1,041.0	253.42	653.56	465.70	478.92	55.00	62.51	0.28	0.10	0.39	75.00	327.14	44.50	803.36	815.39	527.92	1,178.42	59.37	0.36	2.62	32.07	64.30	1.76	411.03	0.05	160.77	443.25	116.67	15.52	303.01	2.39	0.26	21.13	2.57	0.76	8,573.60		
Electricity	367.61		61.83	24.17								17.00	131.47	104.73	5.27	86.50	0.05						113.57		11.46			301.43							792.7	1,545.00		
Telecommunication			33.11										11.83	12.70	1.13		0.06																					
Roads and Highways	280.28	134.38	114.48	79.85	33.85	10.00							128.73	100.69	113.44						34.52					0.32			0.27			1.27			1,032.96			
National Education	2,196	15.82	257.0	52.25	3.00				0.15				37.38	56.57	23.55	0.96							0.34			4.25	0.22						0.76		243.61			
Vocational and Technical education	5,118			3.00									30.86	58.37	0.12	0.03					3.75			6.92		18.11	0.50	0.27	1.33						175.14			
Culture & Higher Education	102.76	14.50	0.08							1.50			103.57	0.03	4.25	2.43							8.95			15.31									253.38			
Youth and sports			10.44	20.13									95.15	35.70	2.55	1.95					15.30			6.99		17.64			0.89			1.30			301.52			
Social & economic development	10.72		46.07	39.69	8.79	29.80							20.30	49.63	4.13								0.05			2.84			0.26						88.31			
Housing & resettlement	28.59						25.00					1.14		15.27	1.80	5.31					5.00			92.89		14.91	21.20	65.00							75.11			
Water supply	69.15	34.49	11.91	104.72	9.35	10.00			0.24			14.00	70.61	130.87	8.35	113.46										34.95	85.66	38.14							748.73			
wastewater	47.89			13.00		17.50								31.92	0.38													0.22							32.70			
Solid waste																																			69.60			
Land use & environment							50.00																															
Public Transport																																						
Airport			53.61																																			
Ports																																						
Agriculture			0.36											21.51	25.52											0.18	3.05	0.38				21.00						
Irrigation	86.14		67.19											56.71														0.39									210.66	
Industry																																					90.92	
Oil & Gas													25.00																									
Tourism	0.36			1.70										28.11		42.54	0.37											0.36									99.60	
Private Sector Services																																						
Government Buildings	14.08		6.33	1.26						1.00	11.25	14.60																										
Public administration																																						
Public information	0.18																																					
Management & Implementation, other	96.48	1.83		3.99	4.40					13.50			6.22	6.13	198.80	1.02	15.41																					
Miscellaneous	16.73		450.00	334.43						60.00	225.00		100.00	1.03	107.21	226.89	1.31																					
Undefined Sectors	78.63	3.86	45.41	10.37	9.68							7.62	12.52	10.87	2.88																							
Grand Total	1,272.74	257.28	698.97	476.07	488.61	55.00	62.50	0.28	0.10	0.39	75.00	327.14	52.12	815.88	826.25	530.89	1,178.41	59.35	0.36	2.62	32.85	64.30	1.76	441.34	0.05	161.79	443.25	119.90	15.52	303.01	2.38	0.26	21.13	2.57	0.76	8,790.74		