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LOCAL DEVELOPMENT II URBAN PROJECT

Submitted to

USAID / CAIRO

Submitted by

WILBUR SMITH ASSOCIATES

in association with

PUBLIC ADMINISTRATION SERVICE
DEVELOPMENT CONSULTING OFFICE

DELOITTE AND TOUCHE
ENGINEERING AND GEOLOGICAL
CONSULTING OFFICE

**Needs Assessment Report
For
Educational, Health and Youth Facilities
West District - Alexandria Governorate**

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Note : Tables E-1, H-1, and Y-1 are individual field survey forms and are only in Arabic.

Introduction

1. Location :

West Alexandria District is situated in the West Zone of Alexandria Governorate. It is surrounded by Amreya, Gomrok and Midtown districts.

The district includes two kisms :

- Karmouz Kism.
- Mena El Bassal Kism.

2. Area :

The area of this district is about 20 km².

3. Population :

The population according to 1989's census is estimated as 483,703. In 1989 the population increased to 600,000 persons approximately.

Many of the district residents are from the low income class. They are concentrated in the southern part of the district.

4. The Report Components :

This report includes three sections :

- Section I : Educational Facilities
- Section II : Health Facilities
- Section III : Youth Facilities

Section I

Educational Facilities

1. Standards :

- a. Classroom Density : (40) Primary / Preparatory, (36) Secondary (General Education), (32) Secondary (Commercial Education).
- b. Full day system (one shift).
- c. One urinal and one toilet for each (20) students of the first hundred. One to three urinal and toilets for each additional hundred.
- d. One WC for each floor of the school.
- e. One desk for each 2 students of the Primary stage.
One desk for each student of the Preparatory and Secondary stages.
- f. The minimum classroom number for a primary or preparatory school is 18.
The minimum classroom number for a secondary school is 18 to 24.

2. Educational Facilities (65 Schools) :

Enrollment and condition data are displayed on (Table E-2).

3. School Shifts :

- a. 24 schools (37%) have one shift only
- b. 41 schools (63%) have two shifts
- c. There are no three-shift schools

4. Educational Facilities Status :

(Table E-3)

- 47 buildings (72%) are in good condition
- 17 buildings (26%) are in fair condition
- 1 school (2%) is in poor condition (Moana)

The Moana schools in poor condition is Awadalla Mohamed Primary school.

5. Student Density and Needs for Classrooms :

(Table E-4)

- a. The student density in the Primary stage is 53 students per class. It is much higher than the accepted standard which is 40 students.
- b. The student density in the Preparatory stage is 43 students per class. It is slightly higher than the accepted standard which is 40 students.
- c. The student density in the Secondary stage is 38 students per class. It is slightly higher than the accepted standard which is 36 students.

Governorate : Alexandria
District : West

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1989

FACILITY					ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPAN- SION POT. (5)
CODE NO.	NAME	OWNER- SHIP (1)	TYPE SCHOOL (2)	SEX (3)	FIRST			SECOND			THIRD			BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
					CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.					
1	Omar Ebn Abdel Aziz Primary School	G	P	B	13	609	47	13	568	44				A	A	B	A	V
2	Naser Primary School	G	P	B	18	993	55							B	B	B	C	V
3	Hanza Fathalla Prim. School	G	P	B	18	900	50							A	A	B	A	N
4	Gheit El Eneb Prim. School	G	P	B	23	1030	45	23	1017	44				A	B	B	B	N
5	Abnaa El Alam El Masri	Mo	P	B	12	441	37	10	340	34				B	B	B	B	N
6	Awsdalla Mohamed Prim. School	Mo	P	B	5	117	23	5	112	22				C	A	B	C	N
7	Moasaset El Kana Prim.	Mo	P	B	10	390	39	10	391	39				A	A	B	J	N
8	Refaa El Tahtawi Prim.	G	P	B	21	1064	51	21	990	47				A	B	B	A	V
9	El Sheikh Sayed Sabah Prim. Sch.	R	P	B	6	211	35							B	B	B	B	N
10	Adli Ayad Prim.	Mo	P	B	14	506	36	14	578	41				A	B	B	B	N
11	Raghib Primary School	G	P	B	7	253	36							A	A	A	A	N
12	El Shaheed Adnan El Madani	G	P	B	28	1430	51							A	A	A	A	H
13	El Tawfik El Khayria	Mo	P	B	7	301	43	7	243	35				B	B	B	C	N
14	Amoud El Sawari Primary School	G	P	B	12	488	41							A	A	B	A	N

NOTES: 1. Ownership - G (Government), R (Rented), MO (Moana)
 2. Schools - P (Primary), PR (Preparatory), S (Secondary), SE (Special Education)
 3. Sex - F (Female), M (Male), B (Both)
 4. Conditions - A (Good), B (Fair), C (Poor), D (Serious)
 5. Expansion Potential - H (Horizontal), V (Vertical), N (No)

Source: Wilbur Smith and Associates

Governorate : Alexandria
District : West

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1989

FACILITY					ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPAN- SION POT. (5)
					FIRST			SECOND			THIRD							
CODE NO.	NAME	OWNER- SHIP (1)	TYPE SCHOOL (2)	SEX (3)	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
15	El Mahda El Elmia El Kadima	Mo	P	M	9	343	38	9	309	34				B	B	B	B	N
16	Karmouz Primary School	G	P	M	12	647	54	12	570	48				A	A	B	A	N
17	Safwat Mansour Primary School	G	P	B	11	600	55	11	574	52				A	B	B	B	N
18	El Nassria Primary School	G	P	B	11	595	54							A	A	B	B	N
19	Karmouz Primary School	G	P	B	21	1169	56							A	A	B	A	N
20	Kom El SHokafa Primary School	G	P	B	18	905	50	17	876	52				A	B	B	B	N
21	Hassan Abdella Primary School	G	P	B	9	458	51	9	449	50				A	A	B	A	N
22	El Theikh Mohamed Abdou Prim.Sch.	G	P	B	11	595	54							A	A	B	A	N
23	Ibrahim Waguib Prim. School	G	P	B	14	785	56	14	833	60				A	B	B	B	N
24	El Kabbery Prim. Sch.	Mo	P	B	24	708	30							B	C	C	C	N
25	Mina El Bassal Prim. School	G	P	B	12	555	46	12	550	46				A	A	B	B	N
26	Kafr Ashri Primary School	G	P	B	16	768	48							A	B	B	B	N
27	El Mafrouza Prim. sch. for boys	G	P	B	17	998	59	17	912	54				A	B	B	B	N
28	El Kisoni Primary School	R	P	B	12	603	50							A	A	B	A	N
29	El Mafrouza Prim. sch. for girls	G	P	F	15	872	58	15	840	56				A	A	B	A	N

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Governorate : Alexandria
District : West

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1989

FACILITY					ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPAN- SION POT. (5)
					FIRST			SECOND			THIRD							
CODE NO.	NAME	OWNER- SHIP (1)	TYPE SCHOOL (2)	SEX (3)	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
30	Taher Bey Prim. Sch.	G	P	B	7	377	54	7	375	54				A	A	A	A	N
31	Gabel El Zeitoun Prim. School Mixed	G	P	B	15	870	58	15	789	53				A	B	B	C	N
32	Gabel El Zeitoun Prim. School for Girls	G	P	F	9	528	59	9	475	53				A	A	A	A	N
33	El Ghandour El Mohawala Primary School	Mo	P	B	13	671	52							B	B	B	C	N
34	El Ghandour New Moana School	Mo	P	B	25	1376	55	25	1336	53				B	B	B	C	N
35	El Galaa Primary School	G	P	B	38	2422	64	38	2182	57				B	A	B	B	V
36	Masaeya El Tahfiz Prim. School	R	P	B	18	985	55							B	C	B	A	N
37	El Scyede Eisha Primary School	R	P	B	11	638	58	11	648	59				B	A	B	A	N
38	El Aman Primary School	R	P	B	4	182	46	4	194	49				A	A	B	A	N
39	El Wardian Primary School	G	P	B	44	2471	56							A	A	B	B	V
40	El Oroba Primary School	G	P	B	20	1205	60	20	1154	58				A	A	B	B	N
41	Saad El Din Primary School	G	P	B	5	291	58	5	289	58				A	A	A	A	N
42	El Alf Masken Primary School	G	P	B	14	843	60	14	811	58				A	A	A	A	N
43	El Taleia Primary School	G	P	B	27	1717	64	27	1802	67				A	B	B	B	N
44	Salah El Din Primary School	G	P	B	17	1078	63	17	1128	66				A	A	B	A	N
45	El Amir Loulou Primary School	G	P	B	33	1988	60	33	2073	63				B	B	B	C	N
46	Shagaret El Dor Primary School	R	P	B	7	431	62	7	415	59				A	A	B	B	N

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Source: Wilbur Smith and Associates

Governorate : Alexandria
District : West

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1989

FACILITY					ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPAN- SION POT. (5)
CODE NO.	NAME	OWNER- SHIP (1)	TYPE SCHOOL (2)	SEX (3)	FIRST			SECOND			THIRD			BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
					CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.					
1	Ahmed Abdel Aziz Prep.	G	Pr	F	14	518	37	15	530	35				A	B	B	C	H
2	El Fawzeyya Prep. School	G	Pr	F	12	388	32							A	A	B	A	N
3	Rashad Othman Prep.	G	Pr	F	23	1171	51							A	A	B	A	V
4	Mina El Bassal Prep.	G	Pr	F	16	795	50							A	A	B	B	N
5	Gheit El Enab Prep.	G	Pr	F	10	365	37	10	387	39				A	A	B	A	N
6	Karmouz Prep. School	G	Pr	F	27	892	33	29	1113	38				A	A	B	B	N
7	El Kebbary Prep. School	G	Pr	F	39	1736	45	39	1767	45				A	A	B	B	N
8	Kom El Shokafa Prep.	G	Pr	M	17	601	35	17	712	42				A	A	B	A	N
9	Ras El Tin Prep.	G	Pr	M	26	1133	44							A	C	B	A	N
10	El Salam Prep. School	G	Pr	M	17	612	36	15	688	46				A	A	B	A	N
11	Ibn Tolon Prep. School	G	Pr	M	9	371	41	9	294	33				A	A	B	B	N
12	Youssef El Sebæi Prep.	G	Pr	M	18	665	37	18	763	42				A	A	B	B	N
13	Taher Bey Prep. School	G	Pr	M	44	2223	51	44	2155	49				B	A	A	B	N
14	El Nil Prep. School	Mo	Pr	M	9	400	44	9	434	48				B	B	B	B	N
1	El Wardian Secondary School for boys	G	S	M	40	1262	32							A	A	B	A	V/H
2	El Sedat Sec. School	G	S	M	19	880	46							A	C	B	A	N
3	El Wardian Sec. Sch. for girls	G	S	F	35	1682	48							B	A	B	A	V
4	Karmouz Sec. School	G	S	F	30	903	30							B	A	A	A	N
5	El Nil Secondary School	Mo	S	M	9	307	34							B	B	B	B	N

NOTES: 1. Ownership - G (Government), R (Rented), MO (Moana)
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 4. Conditions - A (Good), B (Fair), C (Poor), D (Serious)
 5. Expansion Potential - H (Horizontal), V (Vertical), N (No)

Source: Wilbur Smith and Associates

Schools, Physical Condition
Summary SheetGovernorate: Alexandria
District : West

Date Prepared: 1989

School Type	Total No. of Schools	Physical Condition																Expansion Potential	
		Government				Rented				Moana				Total				Governorate	
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	V	H
Primary	46	28	3	-	-	3	3	-	-	2	6	1	-	33	2	1	-	21	9
Preparatory	14	12	1	-	-	-	-	-	-	-	1	-	-	12	2	-	-	2	6
Secondary (General)	5	2	2	-	-	-	-	-	-	-	1	-	-	2	3	-	-	12	-
Special Education																			
TOTAL	65	42	6	-	-	3	3	-	-	2	8	1	-	47	7	1	-	35 classrooms	15 classrooms

Expansion potentials are only for Government-owned Schools

H is horizontal, V is vertical, provide No. of classrooms which have potential for expansion

A = Good (needs only periodical maintenance, for example, painting & minor repairs) <10% of facility needs work

B = Fair (needs some renovations, for example, replacing of sewer risers, door frames & stair steps); 10-25% of facility needs work

C = Poor (needs major upgrading); > 50% of facility needs work

D = Serious (including building subject to failure or not economical to repair)

6. Expected Future Increases :

- a. Expected future increase in the Primary stage is 8% approximately.
- b. Expected future increase in the Preparatory stage is 7.5% approximately.
- c. Expected future increase in the Secondary stage is 6% approximately.

7. Deficiencies and Shortage in the Educational Services :

- a. There is a large number of rented and Moana schools which represents about 26% of the total number of the district's schools. Therefore, the building replacement or extension operations are difficult.
- b. There are no vacant lands allocated for the educational services. Moreover, there are no financial resources to purchase the land assuming it is available.
- c. The insufficient amount of equipment and furniture available at schools is hindering the efficiency of the educational services.

8. Development Potential in Educational Services :

- a. (Table E-4) reflects the need for classrooms - according to the "expected future increases" (Item 6) - during the coming five years :
 - In case the second shift is cancelled, with the classroom density meeting the standard, an additional 2,052 classrooms are needed i.e. about 410 classrooms per year.
- b. It is essential that the district :
 - 1. Obtain a decree through which the lands of the rented and Moana schools is purchased. This will allow raising the efficiency level of these schools.
 - 2. Increase the funds allocated for maintenance, renovation and periodic repair.
 - 3. Provide adequate required equipment and furniture, especially at laboratories and workshops.
 - 4. Construct additional classrooms at schools having expansion potentials. At present, this allows the construction of 50 classrooms through horizontal and vertical expansion.
 - 5. Raise the efficiency level of the teachers by means of holding training sessions to them in their specific fields of specialization.
 - 6. Use the modern educational aids.

9. Needs Assessment and Estimated Cost :

(Table E-5)

The total estimated cost amounts to L.E. 3,045,000.

N.B. :

The amount of needs does not cope with the present technical status of the schools. Table E-2, and table E-3 indicate that 72% of schools are in good condition and 26% of schools are in fair condition.

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Alexandria
District : West

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Omar Ebn Abdel Aziz Primary School	<ul style="list-style-type: none"> - Maintenance & repair Works - Construction of 4 classrooms 	60,000
Naser Primary School	<ul style="list-style-type: none"> - Maintenance & repair Works - Furniture 	40,000
Hanza Fathalla Primary School	<ul style="list-style-type: none"> - Maintenance & repair Works - Furniture 	40,000
Abnaa El Alam El Masri School (Moana)	<ul style="list-style-type: none"> - Maintenance & repair Works - Furniture 	20,000
Gheit El Enab Primary School	<ul style="list-style-type: none"> - Maintenance & repair Works - Furniture 	30,000
Awadalla Mohamed Primary School	<ul style="list-style-type: none"> - Maintenance & repair Works - Furniture 	35,000
Moasset El Carra (Moana)	<ul style="list-style-type: none"> - Maintenance & repair works / Furniture 	30,000
Refaa El Tahtawi Primary School	<ul style="list-style-type: none"> - Maintenance & repair works / Furniture 	35,000
El Sheikh Gayed Sabah Primary School	<ul style="list-style-type: none"> - Maintenance & repair works / Furniture 	30,000
Adli Ayad Primary School	<ul style="list-style-type: none"> - Maintenance & repair works / Furniture 	40,000
Adnan El Madani Primary School	<ul style="list-style-type: none"> - Maintenance & repair works / Furniture 	35,000
El Yawfik El Khaireya Primary School	<ul style="list-style-type: none"> - Maintenance & repair works / Furniture 	35,000
Amoud El Sawari Primary School	<ul style="list-style-type: none"> - Maintenance & repair work/ Furniture/ Repair of Electricity 	40,000
El Nahda El Elmeya School (Moana)	<ul style="list-style-type: none"> - Maintenance & repair work/ Furniture/ Repair of Electricity 	30,000

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Alexandria
District : West

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Karmouz Primary School for boys	- Furniture	5,000
Safwat Mansour Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	40,000
El Maserya Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	40,000
Karmouz Primary School, Mixed	- Maintenance & repair works / Furniture / Repair of Electricity	40,000
Kom El Shokafa Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	40,000
Hassan Abdalla Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	30,000
El Sheikh Mohamed Abdon Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	35,000
Ibrahim Naguib Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	40,000
El Kabbary Primary School (Moana)	- Maintenance & repair works / Furniture / Repair of Electricity	50,000
Mina El Bassal Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	40,000
Kafr Ashri Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	45,000
El Mafrouza Primary School	- Maintenance & repair works / Furniture / Repair of Electricity	35,000

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Alexandria
District : West

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
El Kaisouni Primary School	- Furniture	5,000
El Mafrouza, for Girls	- Maintenance & repair / Furniture/Electricity	35,000
Gabel El Zeitoun, mixed	- Repair / Electricity / Furniture	35,000
Gabel El Zeitoun, for Girls	- Repair / Electricity / Furniture	35,000
El Ghandour El Mohawala (Moana)	- Repair / Electricity / Furniture	35,000
El Ghandour El Gadida School (Moane)	- Repair / Electricity / Furniture	40,000
El Galaa Primary School	- Repair / Electricity / Furniture	45,000
Maseya Tahfiz El Coraan School (Azher)	- Repair / Electricity / Furniture	135,000
El Sayeda Aisha Primary School	- Repair / Electricity / Furniture	30,000
El Aman Primary School	- Repair / Electricity / Furniture	20,000
El Wardian School	- Repair / Electricity / Furniture / Construction of 6 classrooms & W.C.	140,000
El Talaa Primary School	- Repair & maint. / Electricity / Furniture	25,000
El Orouba Primary School	- Repair & maint. / Electricity / Furniture	25,000
Salah ldin Primary School	- Repair & maint. / Electricity / Furniture	15,000
El Amir Loulou Primary School	- Repair & maint. / Electricity / Furniture	65,000
Shagaret El Dor Primary School	- Repair & maint. / Electricity / Furniture	5,000
El Wardian Secondary Sch., for Boys	- Repair & maint. / Electricity / Furniture / Construction	270,000
El Sadat Secondary School, for Boys	- Repair & maint. / Electricity / Furniture	85,000
El Wardian Secondary School, for Girls	- Repair & maintenance / Electricity / Furniture/Construction of 6 Classrooms & W.C.	220,000
Karmouz Secondary School, for Girls	- Repair & maintenance / Electricity / Furniture	45,000

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Alexandria
District : West

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
El Nil Secondary School, for Boys	- Repair & maintenance / Electricity / Furniture	30,000
Ahmed Abdel Aziz Prep. Sch. for Girls	- Repair & maintenance / Construction	220,000
El Fawzeya Prep. Sch., for Girls	- Repair & maintenance	45,000
Rashad Othman Prep. School, for Boys	- Repair & maintenance / Construction of 2 classrooms	50,000
Mina El Bassal Prep. School, for Girls	- Repair & maintenance	40,000
Gheit El Enab Prep. School	- Repair & maintenance / Electricity	50,000
Karmouz Prep. School, for Girls	- Repair & maintenance / Electricity	45,000
El Kabbary Prep. school, for Girls	- Repair & maint. / Electricity/ Furniture	5,000
Kom El Shokafa Prep., for Boys	- Repair & maint. / Electricity / Furniture	40,000
Ras Eltin Prep. School	- Repair & maint. / Electricity / Furniture	60,000
El Salam Prep. School	- Repair & maint. / Electricity / Furniture	25,000
Ebn Toulon Prep. School	- Repair & maint. / Electricity / Furniture	35,000
Youssef El Sebaei Prep. School	- Repair & maint. / Electricity / Furniture	50,000
Taher Bey Prep. School	- Repair & maint. / Electricity / Furniture	70,000
El Nil Prep. School	- Repair & maint. / Electricity / Furniture	30,000
TOTAL		3,045,000

Section II

Health Facilities

West Alexandria District offers the health services through :

- **Public Hospitals :**
 - El Gomhorreya Hospital
 - El Kabbary Public Hospital
- **Specialized Hospitals :**
 - Fawzi Moaz Hospital
 - Kom El Shokafa Chest Hospital
- **Health Offices :**
 - El Kabbary Health Offices (2 offices)
 - El Wardian Health Office
 - Mina El Bassal Health Office
 - Karmouz Health Office
 - El Gomhorreya Health Office
 - Gheit El Enab Health Office
- **Clinics :**
 - Mina El Bassal Out Patient Clinic
 - El Metras Private Clinic
 - Kom El Shakafa Leprosy and Dermatology Clinic
 - Mina El Bassal Dermatology Clinic
 - Bab Sedra Clinic
 - Endemic Diseases Clinic
- **Child Care Center :**
 - El Kabbary Child Care Center
 - Karmouz Child Care Center

- **School Health Center :**

- El Kabbary School Health Center
- Karmouz School Health Center

1. **Policies and Standards of Public Health :**

Following are the policies and standards of Public Health as per Alexandria Governorate Health Dept. in 1983.

- a. Average number of beds per hospital is 200. One hundred beds are first established then the other hundred.
- b. Maximum number of beds per hospital is 400.
- c. The number of beds fluctuates between 35 and 40 per 10,000 persons in the population served.
- d. 4 hospitals for each 200,000 persons.
- e. One health center for each 10,000 persons.
- f. One urban health center consisting of an out patient clinic, a school health center, a health office and a mother / child care center for each 50,000 persons.

2. **Health Facilities :**

(Table H-2)

Governorate : Alexandria
District : West

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIES

Date Prepared: 1987

NO.	FACILITY NAME	SERVICE AREA	OUT-PATIENT				IN-PATIENT				FACILITY CONDITION (1)							EXP. POT. (2)				
			Avg. PATS /DAY	PHYSICIAN TECH. STAFF	NURSES OTH. STAFF	TREATMENT	Avg. PATS /DAY	AVERAGE STAFF	No. BEDS	PHYSICIAN TECH. STAFF	NURSES OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREAT. ROOMS		OPERAT. ROOMS	WATER SEWER	W.C.'S	
1	El Kabary Child Care Center	Kabary Wardian Mine El Bassal	58	20 / -	16 / 17	Pediatrics Obstetrics Family Planning Pregnancy	-	10	5	-	-	-	A	A	A	A	A	A	A	A	A	V
2	El Kabary Medical Center	Kabary Wardian Mine El Bassal	175	25 / -	10 / 18	Internal Medicine Pediatrics	-	--	-	-	-	-	A	A	-	A	A	A	A	A	A	V
3	El Wardian Health Office	Wardian	150	1 / 6	9 / 18	Protective	-	--	-	-	-	-	A	-	-	A	-	-	A	A	A	N
4	El Kabary Health Inspection Office	Kabary	40	1 / -	3 / 7	Protective	-	--	-	-	-	-	C	-	-	A	-	-	A	E	A	N
5	Mine El Bassal Health Office	Mine El Bassal	29	1 / -	4 / 20	Infectious diseases	-	--	-	-	-	-	E	-	-	A	-	-	A	C	A	N
6	Farouq Health Office	Farouq	31	0 / 6	0 / 17	Infectious diseases	-	--	-	-	-	-	C	-	-	C	-	-	C	C	A	N
7	El Kabary School Health Center	Kabary Wardian Kafr Ashra	200	37 / -	--	All types of diseases	-	--	-	-	-	-	C	C	-	C	C	-	C	A	A	H

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)
(2) Expansion potential - H (Horizontal), V (Vertical), N (No)

Governorate : Alexandria
District : West

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIES

Date Prepared: 1988

NO.	FACILITY NAME	SERVICE AREA	OUT-PATIENT				IN-PATIENT				FACILITY CONDITION (1)							EXP. POT. (2)			
			AVERAGE /DAY	PHYSICIAN /TECH. STAFF	PHYSICIAN /DN. STAFF	NURSES /DN. STAFF	TREATMENT	AVERAGE /DAY	PHYSICIAN /TECH. STAFF	NURSES /DN. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREAT. ROOMS	OPERAT. ROOMS		WATER SUPPLY	W.C.'S	
8	Various School Health Center	Ghest El Enab Fayoum Karnouk	200	59 / 9	54 / 20	All types of diseases	-	-	-	-	-	-	A	A	-	A	C	-	A	A	N
9	Kom El Sokhara Chest Hospital	Various Kabbary	--	--	--	--	5	4	200	26/11	20/10	Chest & Cardiology	E	A	A	A	A	B	C	A	N
10	Karnouk Child Care Center	Various Kom El Shokafa Ghest El Enab	110	4 / -	5 / 2	Infectious Chest & Pregnancy	110	4	-	-	-	-	A	A	A	A	A	A	A	A	N
11	Kabbary Health Office	Kabbary	--	2 / -	6 / -	---	-	-	-	-	-	-	E	-	-	A	-	-	A	A	H
12	El Bosphoreya Health Office	Various East West	50	1 / -	5 / 2	Child vaccination	-	-	-	-	-	-	A	A	-	A	A	-	A	A	N
13	Ghest El Enab Health Office	Ghest El Enab	200	1 / -	5 / 20	Child Vaccination Infectious	-	-	-	-	-	-	A	A	-	A	A	-	A	A	N
14	Mina El Bassal Out-Patient clinics	Kom El-Shokafa El-Labban Various Mina El Bassal	400	12 / 16	22 / 16	Radiology/ Ophthalmology/ Surgery/ Clinical Pathology	-	-	-	-	-	-	C	C	-	C	C	A	C	C	N

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)
(2) Expansion potential - H (horizontal), V (vertical), N (No)

Governorate : Alexandria
District : West

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIES

Date Prepared: 1997

NO.	FACILITY NAME	SERVICE AREA	OUT-PATIENT*			TREATMENT	IN-PATIENT*			TREATMENT	FACILITY CONDITION (1)								EXP. POT. (2)		
			AVE. PATNS /DAY	PHYSICIAN TECH. STAFF	NURSES OTH. STAFF		AVE. PATNS /DAY	AVERAGE STA.	No. BEDS		PHYSICIAN TECH. STAFF	NURSES OTH. STAFF	BUILDING	PHARMAC.	EMERG. ROOM	ILLUMINATION	TREAT. ROOMS	OPERAT. ROOMS		WATER SEWER	N.C.E
15	Fawzi Moad Pediatric Hospital at Kaa El Shoraba	West	200	37/11	30/00	Pediatrics	20	20	60	37/11	30/00	Pediatrics	A	A	-	A	A	-	C	A	V/H
16	El Kabbary Public Hospital	West	1000	70/09	38/81	All types of diseases	100	2	200	70/09	38/81	All types of diseases	A	A	-	A	A	A	A	A	H
17	El Eshonreya Public Hospital	West	775	217/34	110/45	All types of diseases	200	30	250	217/34	110/45	All types of diseases	A	A	A	A	A	A	A	A	H
18	El Metras Out-Patient Clinic	Wardia Metras/ Nagha El-Arab	400	14/6	12/8	Dermatology, Pediatrics, Ophthalmology	---	---	---	---	---	---	A	A	-	A	C	-	A	A	V
19	Kaa El Shoraba Leprosy & Dermatology Clinic	Karmouh West El-Ezb	90	7/0	0/0	Dermatology Leprosy	---	---	---	---	---	---	A	A	-	A	A	-	A	A	V
20	Muna El Bassal Dermatology Clinic	West	24	7/0	8/0	Dermatology venereology	---	---	---	---	---	---	A	A	-	C	A	A	C	C	H
21	Bab Sedra Clinic	Karmouh	60	9/-	2/0	All types of diseases	---	---	---	---	---	---	A	A	-	A	-	-	C	C	V

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)
(2) Expansion potential - H (horizontal), V (vertical), N (No)

Governorate : Alexandria
District : West

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIES

Date Prepared: 1989

FACILITY		OUT-PATIENT					IN-PATIENT						FACILITY CONDITION (1)								EXP. POT. (2)
NO.	NAME	SERVICE AREA	AVE. PATNS /DAY	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	AVE. PATNS /DAY	AVERAGE STAY/	No. BEDS	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREAT. ROOMS	OPERAT. ROOMS	WATER SEWER	W.C.'S	
22	Mina El Bassal Health Center for Endemic	West	100	5/4	4/5	Endemic							A	A	-	C	A	-	A	A	N
23	El Kabbari Chest Clinic	West	30	2/6	11/21	Chest diseases							A	A	-	A	A	-	A	A	N
24	Karrouz Chest Clinic	Sheet El Enat Sab Sedra	40	4/7	5/5	T.B./							A	A	-	A	A	-	A	A	N

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)
(2) Expansion potential - H (Horizontal), V (Vertical), N (No)

ES/H-2M44

3. Deficiencies, Shortage and Development Potentials in Health Services :

- a. The number of hospital beds available is only 12 per 10,000 persons. This number is not sufficient to serve district residents.
- b. There is a shortage in medical equipment (Radiographic instruments, Cardiographic instruments, Emergency equipment ... etc.)
- c. There is no land allocated for expansion in health services.

To raise the efficiency of health services, the district has to :

- a. Increase the number of beds in hospitals.
- b. Construct new hospitals with an amount of 1,000 beds.
- c. Provide Health facilities with required equipment.
- d. Provide periodic maintenance and repair for buildings and equipment as well as provide spare parts.
- e. Increase the funds allocated for maintenance works.
- f. Encourage private efforts and contributions.
- g. Raise the efficiency level of physicians, technical staff and maintenance technicians by means of holding training sessions.
- h. Use modern medical instruments.
- i. Establish libraries supplied with latest scientific references and books.
- j. Allocate lands for future expansion.

4. Needs Assessment and Estimated Cost :

(Table H-3)

The total estimated cost amounts to LE 810,000

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Alexandria
District : West

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
El Kabbary Child Care Center	- Ambulance, Telephone	40,000
El Kabbary Medical Center	- Equipment, Ambulance, Telephone, Incubator	100,000
El Wardian Health Office	- Equipment, Telephone	40,000
El Kabbary Inspection Health Office	- Equipment, Painting	45,000
Mina El Bassal Health Office	- Maintenance of W.C.s	2,000
Karmouz Health Office	- Maintenance of W.C.s, & repair of building	3,000
El Kabbary School Health Center	- Repair of building; Furniture; Medical equipment; laboratory.	50,000
Karmouz School Health Center	- Oxygen Cylinders, Solutions, Rostal purification plates, Syringes	10,000
Kom El Shokafa Chest Hospital	- Repair & painting of building; W.C.s; Medical equipment, Replacement of sewer pipes	220,000
Mina El Bassal Out-Patient Clinics	- Repair of ceiling; Lighting, Sanitary drainage, Equipment, Repair of W.C.s	40,000

ES/H-3WA1

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Alexandria
District : West

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
Fawzi Moaz Pediatrics Hospital in Kom El Shokafa	- Equipment, Sanitary drainage, Improvement of building	50,000
El Kabbary Public Hospital	- Kidney Dialysis equipment	40,000
El Gomhoreya Public Hospital	- Medical equipment	60,000
El Metras Out-Patient Clinic	- Expansion of building, addition of one level	20,000
Bab Sedra Clinic	- Repair of W.C.s, Sanitary drainage, Painting	50,000
El Kabbary Chest Clinic	- Collective examination equipment, Completion lab. examination equipment	40,000
TOTAL		210,000

ES/H-3WA2

Section III

Youth Facilities

West Alexandria District offers services to youth through the following facilities :

- El Obour Youth Center
- Karmouz Youth Center
- El Kabbary Youth Center

1. Standards :

- a. One youth center for each 10,000 persons.
- b. The typical youth center should occupy approximately 5.5 feddans.
- c. Each center includes a swimming pool.
- d. Provide facilities to serve 80% of the district's youth. It is assumed that the other 20% will use facilities in private clubs.

2. Youth Facilities :

(Table Y-2)

3. Needs Assessment and Estimated Cost :

The total cost amounts to LE 110,000.

PUBLIC YOUTH CENTERS

SURVEY SUMMARY & BASIC DATA AND OBSERVATIONS

Governorate : Alexandria
District : West

Date Prepared: 1989

NO.	F A C I L I T Y						F A C I L I T Y C O N D I T I O N (1)							EXPANSION POTENTIAL (2)
	NAME	TYPE OF FACILITY	ACTIVITIES PROVIDED	MEMBERSHIP	APPROXIMATE AREA SERVED	APPROXIMATE POPULATION SERVED	BUILDING	EQUIPMENT	W.C.	LIGHTING	PLAYGROUND	WATER/ SEWER	SURROUNDING AREA	
1	El Ehour Youth Center	Youth Center	Sporting, Social, Cultural Artistic	3,941	West & surrounding districts	10,000	B	C	C	B	B	B	B	H
2	Karsouz Youth Center	Youth Center	Sporting, Social, Cultural Artistic	4,000	Karsouz, Mina El Bassal	10,000	A	A	A	A	A	B	B	V
NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious) (2) Expansion potential - H (Horizontal), V (Vertical), N (No) - units of e2														

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Alexandria

District : West

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
El Obour Youth Center	- Expansion, Sporting equipment, W.C.s repair	50,000
Karmouz Youth Center	- Construct additional level to make halls for different sports (Karate, Ping Pong .. etc.), Cover the boxing hall; Medical equipment	60,000
TOTAL		110,000

ES/Y-3WA

SOURCE OF TABLES

Table

Sources

E-2 & E-5

District

H-2 & H-3

District

Y-2 & H-3

District

E-3 & E-4

Wilbur Smith Associates