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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
For
Educational Health & Youth Facilities
Cairo Governorate - South District

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Introduction

1. Location

This study covers the South District that is situated in the South section of Cairo Governorate.

Boundaries:

- On the North: Abdeen District & Central District.
- On the West: Misr El Kadima, West District
- On the East: El Mokatam Mountain
- On the South: Misr El Kadima District

The district comprises 2 Kisms:

- O El Khaliffa
- O El Sayeda Zeinab

2. Population

Based on the 1989 Census, the South District population is estimated to be 550,000 persons.

3. The Report Components:

This report includes the following 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 (Technical Education).
- b. Full day system (One shift)
- c. One urinal and one toilet per 20 students of the first hundred.
One to three urinals and toilets for each additional hundred.
- d. One W.C. 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 number of classrooms for Primary or Preparatory school is 18.
The minimum number of classrooms for Secondary school is 18 to 24.

2. Educational Facilities:

(Table E-2)

3. School Shifts:

(96 schools + 2 schools moved to neighbouring schools until completing the building construction).

- a. (60) schools (61%) have one shift.
- b. (33) schools (34%) have two shifts.
- c. (3) schools (3%) have three shifts.

4. Educational Facilities Status:

(Table E-3)

5. Student Density and Needs for Classrooms:

(Table E-4)

There are 98 schools in the district serving a current total of 83,082 students.

6. Expected Future Increases:

The expected increase for all the educational stages is 2.7%.

7. Deficiencies and Shortages in the Educational Services:

- a. There is a large number of rented and moana schools which represent about (28%) of the total number of the district schools. Therefore the building replacement or expansion is difficult.
- b. There is no vacant land assigned to the educational services.
- c. Scarcity of vacant land.

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	M.C.	
1	Sady Shalten 1/2	MO	P	B	8	298	37	8	292	37				B	C	C	C	N
2	El Sasat	B	P	B	25	765	30	-	-	-				B	B	B	C	V/H
3	Salah El Din 1/2	B	P	B	5	224	37	6	206	34				A	B	C	C	N
4	Moustafa Kasel 1/2	B	P	B	21	742	35	21	789	38				A	A	D	D	N
5	El Sayeda Asna 1	B	P	B	18	800	44	18	824	46				A	A	B	D	V
6	Katr El-Nada / El-Moshrek	B	P	B	17	442	26	17	510	30				A	B	B	B	N
7	El Saaseen 1/2	B	P	B	11	480	44	11	542	49				B	B	B	B	N
8	El Esam El Shafate, (Girls 1/2)	B	P	B	15	747	50	14	625	45				D	A	B	B	N
9	El Esam El Shafate, (Boys 1/2)	B	P	B	14	564	40	14	356	25				A	A	A	B	N
10	Dear Ebn El Khattab 1/2	B	P	B	18	782	43	18	781	43				A	A	A	B	V
11	El Tounsie El Sedida 1	B	P	B	12	512	43	12	504	42				A	A	A	A	N
12	El Tounsie Mixed 1/2	B	P	B	17	826	49	16	685	43				A	A	A	A	V
13	Delberon Shoukry 1	B	P	B	15	743	50	15	753	50				B	B	D	D	N
14	El Shafiq Saved Esam/Al Moubarak	B	P	B	11	517	47	10	363	36				A	B	C	C	N
15	El Khodairy	B	P	B	19	758	40	-	-	-				A	A	A	A	N
16	Hassan Taher	B	P	B	14	567	41	-	-	-				A	A	A	B	N
17	Dear Loutfy	B	P	B	13	424	33	-	-	-				B	A	A	A	N
18	El Saveda El Sedida 1	B	P	B	12	497	41	12	487	41				A	B	C	C	V/H
19	El Saveda Zeinab, (Girls)	B	P	B	10	377	38	-	-	-				A	A	C	C	N
20	El Tarsia El Haditha	MO	P	B	17	419	25	-	-	-				B	C	C	C	N
21	Mohamed Said	B	P	B	9	298	33	-	-	-				C	C	C	C	V
22	Isam El Abdeen El Sedida 1/2	B	P	B	5	236	37	6	242	40				A	A	B	B	N
23	El Saveda Bakina 1/2	B	P	B	24	971	40	24	972	41				A	B	B	B	N
24	De El Mosaenien	B	P	B	13	519	40	-	-	-				B	D	B	B	N
25	El Nassery	MO	P	B	8	199	25	-	-	-				C	C	C	C	N
26	Jahret El Rabie	B	P	B	14	741	53	-	-	-				A	A	A	A	N
27	El Shams	B	P	B	12	500	42	-	-	-				A	A	A	A	V
28	El Sheikh Saleh	B	P	B	12	397	33	12	426	36				B	B	B	B	N
29	Dawood Pasha	B	P	B	11	475	43	-	-	-				A	A	A	A	V
30	Nega El Dien	B	P	B	18	760	42	-	-	-				A	A	A	A	N
31	Shagaret El Dor	B	P	B	15	610	41	15	573	38				A	C	A	A	N
32	Aheed Ebn Toolon	B	P	B	12	488	41	-	-	-				A	A	A	A	N
33	Mohakat Moallemat El Halseya	B	P	B	6	213	36	-	-	-				A	B	B	B	N
34	El Nasaria	B	P	B	7	190	27	-	-	-				B	A	B	A	N
35	El Moniera El Sedida/El Tahzeeb	B	P	B	9	343	38	8	225	25				B	C	C	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

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.	
36	Amin Samy	R	P	B	9	342	38							A	A	B	B	N
37	El Shahied Abdel Hafez	G	P	B	11	460	42							A	A	B	B	N
38	Dr. Taha Houssein	R	P	B	28	1282	46							A	A	A	B	N
39	Shohadaa Port Said	G	P	B	9	437	49	9	422	47				D	B	A	B	V
40	El Sabbaheen 1/2	G	P	B	11	365	33	10	365	37				A	A	A	A	N
41	Kasr El Einy	G	P	B	9	358	40							B	A	A	C	N
42	El Sheikh Ali Youssef	G	P	B	11	501	46							A	A	B	D	N
43	Kasr El Nile	G	P	B	12	415	35							A	D	B	C	N
44	Bostan El Fadel	R	P	B	6	185	31							B	B	B	B	N
45	El Maahad El Elai	R	P	B	7	199	28							A	A	C	A	N
46	El Tyebce (Girls) 1/2	G	P	B	14	582	42	14	572	41				A	A	C	C	N
47	El El Moneera	G	P	B	6	238	40							A	A	A	A	N
48	El Tyebce (Boys)	G	P	B	20	946	47							A	A	B	B	N
49	El Salaa	G	P	B	12	515	43							A	A	A	A	N
50	El Hanaffi (Girls)	G	P	B	17	650	38							A	A	A	B	N
51	El Sultan Moustafa	R	P	B	7	222	36							B	A	B	B	N
52	El Hanaffi (Boys)	G	P	B	13	535	41							A	A	B	D	N
53	Zein El Abedeem (Girls)	G	P	B	THE SCHOOL OPERATS AS A 2ND SHIFT IN SHOHADAA PORT SAID SCHOOL, SINCE 4 YEARS AGO BECAUSE OF THE DELAY IN THE CONSTRUCTION OF THE SCHOOL.													
54	Zeinhoe El Sedida 1	G	P	B	16	734	46							A	A	C	B	N
55	Halameya El Tagrebia	G	P	B	20	656	33							A	A	B	C	V

NOTES: 1. Ownership - G (Government), R (Rented), MD (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 : Cairo
District : South

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1989

FACILITY					ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPAN- SION PCT. (5)
					FIRST			SECOND			THIRD							
CODE NO.	NAME	OWNER- SHIP (1)	TYPE SCHOOL (2)	SEX (3)	CLASS- ROOMS	STU- DENTS	AVE. DENS.	CLASS- ROOMS	STU- DENTS	AVE. DENS.	CLASS- ROOMS	STU- DENTS	AVE. DENS.	BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
1	El Maahad El Eloy-Zenboa, (Boys)	G	Pr	M	17	552	32							D	A	B	B	V
2	El Moneera El Nancuzagia, (Boys)	G	Pr	M	37	1610	44							B	B	B	B	V
3	El Enaa El Shafie, (Boys)	G	Pr	M	34	1344	40							E	D	B	D	V
4	El Helweya El Kadima, (Boys)	G	Pr	M	23	994	43	14	453	32				A	A	B	B	V
5	Banba Kaden, (Boys)	G	Pr	M	18	682	38	18	667	37				A	B	B	B	N
6	El Ganeeya El Khayria, (Boys)	G	Pr	M	24	750	31							B	A	B	B	N
7	El Sheikh Saleh/Zein El Abdeen/ Mohamed Ali	G	Pr	M	29	913	31	29	1137	39	29	913	31	B	A	B	B	V
8	El Mahda El Borhania, (Girls)	G	Pr	F	15	454	30							B	A	B	A	N
9	El Engillia, (Girls)	G	Pr	F	12	465	39	12	618	52				A	A	B	B	N
10	Om El Moamineer, (Girls)	G	Pr	F	31	814	26	31	910	29				A	E	C	C	N
11	El Helweya (Girls)	G	Pr	F	26	981	38	19	698	37				A	A	B	B	V
12	El Tounsy, (Girls)	G	Pr	F	20	741	37	13	512	39				E	A	C	E	V
13	Salah El Dine, (Girls)	G	Pr	F	25	761	30							A	A	E	E	N
14	Aqr Sae, (Girls)	G/R	Pr	F	19	671	35							A	A	C	A	V
15	El Mohamadaya, (Girls)	G	Pr	F										A	A	C	A	N
16	El Taliea, (Girls)	MO	Pr	M	12	444	37							B	B	B	A	N
17	Hoda Shaarawy, (Girls)	MC	Pr	F	15	495	33							A	B	B	E	N
18	El Mehda El Arabia, (Girls)	MC	Pr	F	15	371	25							D	A	B	D	N
19	El Helweya El Tagribia	G	Pr	B	20	656	33							A	A	B	B	V
20	Garco: City El Tagribia	R	Pr	B	11	332	30							B	B	B	B	N
1	Dar Mcallewat El Helweya, (Girls)	G	S	F	26	838	32							F	A	C	E	N
2	El Khedew Ismail, (Boys)	F	S	P	35	651	24							A	E	E	A	N
3	Ali Moubarak, (Boys)	G	S	M	19	571	30							A	A	A	A	V
4	El Mottadayar, (Girls)	MO	S	P	12	264	22							E	E	C	B	N
5	El Moneera, (Girls)	R	S	F	14	376	27							A	A	A	A	N
6	El Tounsy, (Girls)	G	S	F	14	375	27							A	A	B	A	N
7	El Saneya, (Girls)	G	S	F	30	1388	28							C	C	B	B	N
8	El Helweya, (Girls)	G	S	F	48	1826	38							A	B	B	B	N
9	El Khedewya, (Boys)	G	S	F	43	1337	31							A	A	A	A	N

OPERATES AN EVENING SHIFT (2ND SHIFT) IN (EL HELWEYA EL KADIMA SCHOOL)

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), F (Fair), C (Poor), D (Serious)
5. Expansion Potential - H (Horizontal), V (Vertical), N (No)

Source: Wilbur Smith and Associates

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.	
1	El Fannaya El Motakadesa - IN Kasr El Einy	G	S	B	31	889	29	-	-	-	-	-	-	B	C	B	D	V
2	El Tounsv Commercial, (Girls)	G	S	F	24	702	29	10	347	35	-	-	-	A	B	B	D	N
3	Kasr El Einy Commercial, (Girls)	R	S	F	70	1030	34	28	1050	38	2	95	48	C	C	B	D	N
4	El Saveda Zeinab Commercial, (Girls)	G	S	F	44	1546	35	3	119	40	-	-	-	A	B	A	B	N
5	El Helweya Commercial, (Boys)	G	S	M	33	1254	38	33	1454	44	7	280	40	B	D	C	D	N
6	Industrial Secondary School, (Girls), in El Saveda Zeinab	G	S	F	29	984	34	13	497	31	-	-	-	B	D	D	B	V
7	Aheed Maher Industrial, (Boys)	G	S	M	21	756	36	20	459	24	-	-	-	B	C	B	B	V
8	Zein El Abedeen Mechanical	G	S	M	53	2093	39	52	1830	31	-	-	-	B	D	C	D	V
1	Gannet El Aftal in Deinhoe / for Handicaped Children	MO	S.E	B	9	58	6							A	A	B	A	N
2	Gannet El Aftal in Deinhoe / for the Deaf Children	MO	S.E	B	8	85	11							A	A	B	A	V
3	El Sayeda Ahsa Lei Tarbia El Fekreya	G	S.E	B	8	72	9							A	A	A	B	N
4	El Tarbia El Fekreya in Toloun	G	S.E	B	12	70	6							B	C	B	B	V
5	El Tarbia El Fekreya in El- Moneera	R	S.E	B	7	46	7							D	D	D	D	N
6	El Tarbia El Baseeya in El- Moneera	B	S.E	B	11	137	12							A	C	C	B	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

Schools, Physical Condition
Summary Sheet

Governorate: Cairo

District : South

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	54+1 moved	31	6	-	2	6	5	1	1	-	1	1	1	37	12	2	4	8	2
Preparatory	19+1 moved	8	6	-	2	-	1	-	-	1	1	-	1	9	8	-	3	10	-
Secondary	9	5	-	1	-	2	-	-	-	-	1	-	-	7	1	1	-	1	-
Secondary / Technical	8	2	5	-	-	-	-	1	-	-	-	-	-	2	5	1	-	4	-
Special Education	6	2	1	-	-	-	-	-	1	2	-	-	-	4	1	-	1	2	-
TOTAL	98	48	18	1	4	8	6	2	2	3	3	1	2	59	27	4	8	25 Schools	2 Schools

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)

Type	Schools (as of 8/1)									Total			Additional Classrooms Needed																			
	1 Shift			2 Shifts			3 Shifts						1st Year					2nd Year			3rd Year			4th Year			5th Year					
	No. of Class.	No. of Stu.	Dens.	No. of Class.	No. of Stu.	Dens.	No. of Class.	No. of Stu.	Dens.	No. of Class.	(1) No. of Stu.	(2) Dens.	F	1	2	T	F	1	2	T	F	1	2	T	F	1	2	T				
P.	68	2798	40	28	1173	42	-	-	-	88	3974	45	-	-	225	225	-	-	222	222	-	-	781	781	-	-	410	410	-	-	44	44
Pr.	413	14029	35	151	4992	33	29	917	31	568	19079	33	-	-	182	179	-	-	178	127	-	-	214	157	-	-	221	151	-	-	248	166
S.	242	7851	32	-	-	-	-	-	-	242	7851	32	4	-	-	13	-	-	-	21	-	-	28	-	-	-	78	-	-	-	-	
S. T.	245	8284	34	159	5446	34	4	375	42	443	18129	33	-	-	179	220	-	-	181	234	-	-	200	249	-	-	246	261	-	-	219	275
S. E.	33	468	14	-	-	-	-	-	-	33	468	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	1601	59571	35	561	22224	38	38	1288	34	2299	83982	36	4	-	486	434	13	-	741	706	21	-	789	761	28	-	937	822	24	-	717	881

P = Primary
Pr = Preparatory
S = Secondary
S.T. = Secondary Technical & Commercial
S.E. = Special Education

F = Additional Classrooms Per Year Needed to be Constructed for Future Population at Existing Students Density Level Based on Declared Rate of Growth, Working Existing Number of Shifts.

Sh. 3 = Additional Classrooms Needed to be Constructed, if the Third Shift is Cancelled (to work 2 Shifts Only) at Existing Students Density Level, Based on Declared Rate of Growth.

Sh. 2 = Additional Classrooms Needed to be Constructed, if the Second Shift is Cancelled (to work One Shift Only) at Existing Students Density Level, Based on Declared Rate of Growth.

T = Additional Classrooms Needed to be Constructed to Meet Education Department's Students Density Criteria Working One Shift Only Based on Declared Rate of Growth.

1 = No. of years in future

NOTES:

- Calculations for each category are not based on the results from other categories. I.e. Sh.2, Sh.3 and T do not take into consideration the number needed for F. The District would construct Sh.2 or Sh.3 or T, No. of classrooms, not F plus that number.

STANDARD DENSITY:

- (40 P./ Pr.)
- (36 S. General)
- (32 S. S. C.)

$$F = \frac{(1) \text{ Total No. of Students } \times (1 - \text{Rate of Growth})}{100} \div \text{Average Density (2)} - (\text{No. of Class. in First Sh. } \times \text{No. of Sh.})$$

$$\text{Sh. 2} = \frac{(1) \text{ Total No. of Students } \times (1 - \text{Rate of Growth})}{100} \div \text{Average Density (2)} - (\text{No. of Class. in First Sh. } \times 2)$$

$$\text{Sh. 3} = \frac{(1) \text{ Total No. of Students } \times (1 - \text{Rate of Growth})}{100} \div \text{Average Density (2)} - (\text{No. of Class. in First Sh.})$$

$$T = \frac{(1) \text{ Total No. of Students } \times (1 - \text{Rate of Growth})}{100} \div \text{Standard Density} - (\text{No. of Class. in First Sh.})$$

- d. Lack of financial resources for land purchase.
- e. Expansion is possible in a limited way but this cannot meet the expected future increases.

8. Development Potential in Educational Services:

- a. (Table E-4) reflects the need for classrooms according to the expected future increases (Item 6) through the upcoming 5 years. Thus, the total number of classrooms that have to be constructed to face the expected future increases while cancelling the 2nd & 3rd shifts and maintaining standard rates is 881 classrooms, that is approximately, 176 classrooms annually.
- b. Buying the rented land.
- c. Increasing the funds allocated for maintenance and restoration.
- d. Providing adequate equipment and furniture specially for labs. and workshops.
- e. Building additional classrooms for schools having expansion potential.
- f. Boosting the efficiency level of the teachers by means of conducting specialized training courses for them.
- g. Using modern educational aids.

9. Needs Assessment and Estimated Cost:

(Table E-5)

The total estimated cost amounts to L.E.538,180.

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Cairo

District : South

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
The Administration of:		
1. The Primary Education Schools	- Offset Printing equipment (for printing the exams) - Students desks	119,750
2. The Special Education Schools (Primary)	Equipment & Furniture	7,265
3. The Preparatory Education Schools	" & "	104,430
4. The Secondary Education Schools & Dar El Moallemat.	" & "	77,975
5. The Technical Schools (Commercial)	" & "	128,760
6. The Technical Schools (Industrial)	" & "	100,000
	The Total Estimated Cost	538,180

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Section II

Health Facilities

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 in a 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 unit for each 10,000 persons.
- f. One urban health unit consisting of an out-patient clinic, a school health unit, a health office and a mother / child care center for each 50,000 persons.

2. Health Facilities:

(Table H-2)

3. Deficiencies, Shortages and Development Potential in Health Services:

- a. Deficiency of medical equipment.
- b. Deficiency of allocated land.

The efficiency level of health services can be raised through:

1. Supplying the health facilities with the required equipment.
2. Periodic maintenance of health facilities.
3. Supply of medical equipment spare parts.
4. Conducting training courses for doctors and technicians.

4. Needs Assessment and Estimated Cost:

(Table H-3)

The total estimated cost amounts to L.E.706,500.

Governorate : Cairo
District : South

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIES

Date Prepared: 1969

NO.	FACILITY NAME	SERVICE AREA	OUT-PATIENT				IN-PATIENT						FACILITY CONDITION (1)								EXP. POT. (2)	
			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	TREATM. ROOMS	OPERAT. ROOMS	WATER SEWER	W.C.'s		
1	El Anbara Genera. Hospital	South District	40	270/15	77/40	General	57	8	20	270/15	77/40	General	E	E	E	C	C	E	C	C	C	H
2	Cairo Dermatology & Venereology Hospital	*	1200	116/4	13/7	Dermatology/Venereology	2	40	85	116/4	13/7	Dermatology/Venereology	C	C	A	B	B	B	C	C	C	H
3	El Monera General Hospital	*	1100	256	276	General	150	9	210	256	276	General	A	A	A	B	A	A	A	A	A	V
4	Ab. El Ruhe Solvents Hospital		150	40/2	22/11	General	5	4	15	40/2	22/11	General	E	A	A	E	E	E	A	E	E	H
5	El Sayeda Zeinat Chest Hospital	*	65	3	30	Chest diseases							E	E	-	E	E	-	E	B	H	
6	Rabies Clinic in Fue El Khalig	*	2	3	7/7	Rabies Immunization							C	-	-	C	C	-	B	D	H/V	
7	El Khalifa Treatment units	*	600	9/6	10/16	Dermatology/Sterility/Venereology/Medicine/Gynecology/Ear-Nose Surgery/Physiotherap. Dental/Postgraduate Pediatrics							E	B	-	A	E	-	C	C	N	

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

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo
 District : South

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
1. El Khalifa General Hospital	<ul style="list-style-type: none"> - Construction of an administrative building; out-patient clinic; warehouses. - Purchase of equipment: <ol style="list-style-type: none"> 1. Switch 2. Elevator 3. Ultra Sonic diagnostic apparatus 4. Artificial lung apparatus 5. Equipping the operation theater for Obstetrics 6. Equipping the Septic theater 7. (4) Dental chairs 8. (6) Renal dialysis units 9. Blood acidity measuring apparatus 10. (6) Incubators for pre-matures 11. (5) Electronic - vien I.V (for Intensive care section). 12. Electric generator 13. Furniture (beds - closets - cupboards) 	<p>225,000</p> <p>250,000</p>
		475,000
2. Cairo Dermatology & Venereology Hospital	<p><u>Radiology Section :</u> Purchase of :</p> <ol style="list-style-type: none"> 1. Superficial Radiotherapy apparatus 2. (3) Ultra Violet aparatuses 3. Electric cautery apparatus (Surgical diathermy). 4. Shortwave therapy apparatus 5. Cryo-cautery apparatus <p><u>Laboratory:</u> Purchase of:</p> <ol style="list-style-type: none"> 1. Cryo-state apparatus for cutting the Pathological samples. 2. Differential Blood count apparatus 3. Electronic scale for lab. 4. Automatic Autoclave 	<p>20,000</p> <p>100,000</p>

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo
 District : South

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
	<p><u>Kitchen:</u> Purchase of :</p> <ol style="list-style-type: none"> 1. Deep freezer (large capacity) 2. 3 Ceiling Fans <p><u>Out-Patient Clinic:</u> Purchase of:</p> <p>50 chairs; 10 ceiling fans, check-up office.</p> <p><u>The Internal Section:</u> Purchase of:</p> <ol style="list-style-type: none"> 1. 6 water heaters + 10 ceiling fans + 2 stoves 	<p>1,500</p> <p>10,000</p>
		131,500
Abu El Riesh Students Hospital	<p>Purchase of the following medical equipment:</p> <ol style="list-style-type: none"> 1.(2) Microscopes 2.(2) Electric centrifuge apparatuses 3.(1) Sensitive scale 4.(2) Stop watches 5.(2) Hemocytometer apparatuses 6.(1) (R.H.) factor test apparatus (for the Lab.) 7.(1) refrigerator (2 doors) for keeping serums <p><u>Operation Theater Section:</u> Purchase of:</p> <ol style="list-style-type: none"> 1. Surgical microscope 2. Mid-titre apparatus (for Diagnosis and follow up immunization) 3. Suction apparatuses 4. Modern operation table 5. Anesthetic apparatuses with flormine 	

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo
District : South

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
	<u>Laboratories:</u> <u>Purchase of:</u> 1. The Radiology section needs an X-Ray apparatus with television closed circuit (500 m.a) 2. Ultrasonic apparatus <u>Cardiology Section:</u> <u>Purchase of:</u> 1. Ultrasonic apparatus	
El Sayeda Zeinab - Chest Hospital	1. Automatic film developing apparatus 2. Film cassettes 10 X 12 12 X 15 30 X 40 3. Aircondition set (2 HP) 4. Electronic microscope (for the Lab.) 5. Glass slides 6. Piano chair (for the Lab.) 7. Sterilization oven 8. Arabic & English typewriters (electric) 9. Garbage boxes 10. 2 Refrigerators	
Rabies Clinic - in Fom El Khalig	- Reconstruction of the deteriorating W.C.s; and the director's office also. <u>Purchase of:</u> 1. Surgical equipment 2. Fully equipped dressing carts. 3. Modern fire extinguisher equipment - Construction of a large warehouse after demolishing the existing cabinets.	
El Moneera General Hospital	<u>Purchase of:</u> 1. Electric generator 2. Medical equipment (for the use in the intensive care unit) 3. Sitting room (reception furniture) for the blood bank. - Construction of an upper floor (on top of the kitchen) to be used as a doctors' residence, nursing school and nurses' residence.	100,000
	Total Estimated Cost	706,500

Section III
Youth Facilities

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:**

(Table Y-3)

The total estimated cost amounts to L.E. 5,252,000.

- * The cost includes the up-grading of Zeinoh Youth Center (L.E.5,035,000). Thus the total estimated cost for the other Youth Facilities is L.E.217,000.

PUBLIC YOUTH CENTERS

SURVEY SUMMARY - BASIC DATA AND OBSERVATIONS

Governorate : Cairo
District : South

Date Prepared: 1988

NO.	FACILITY					FACILITY CONDITION (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 Kallaa Youth Center	Sporting Social	Sports/Cultural/Religious	3,000	South District	30,000	C	C	C	C	C	E	E	V	
2	Zairhoe Youth Center	"	All Activities	667	"	6,500	There is a project for upgrading the facility								B
3	El Ekmareh & El Toursi Youth Center	Youth Center	"	42	El Ekmareh, El Shafaa, El Lezz, El Toursi, El Sakateh	1,000	A	E	-	C	E	A	E	V	
4	El Bayada Zairhoe Youth Center	"	"	2,000	El Bayada Zairhoe	20,000	A	E	E	A	A	E	E	V	

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)
(2) Expansion potential - H (Horizontal), V (Vertical), N (None) - cross of H/V

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Cairo

District : South

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
El Kallaa Youth Center	- Construction of W.C ; theater; nursery and library	160,000
Zeinhom Youth Center	- The Center has a project for upgrading the facility. The project's estimated cost is:	5,035,000
El Emameen & El Tounsy Youth Center	- Purchase of furniture for the administrative building and sports equipment.	10,000
El Say:da Zeinab Youth Center	<ul style="list-style-type: none"> - Installation of tiles in the facility corridors (cement tiles) and placing of curbstones. - Grassing the center's gardens and planting trees - Plastering the old facility buildings. - Restoration of the locker room (in the main building) & providing a suitable lighting. - Repairing and strengthening the lighting in the soccer playground. - Construction of ceremonious hallroom (area 7x10m as an elevated upper floor above an open area. 	47,000
	Total	5,252,000

af/Y-3 CS

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