

MAA-931

16757

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

**Education, Health And Youth Facilities
Shoubra District, Cairo Governorate**

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Introduction

1. Location:

Shoubra is considered one of Cairo Governorate's Districts. It is situated in the Northern Zone.

2. Area:

Shoubra's area is about 1.371 km². It is divided into the following Sheyakhas:

- El Shamashergi
- El Attar
- El Teraah
- El Guesr

This district is a popular commercial area.

3. Population:

The population of Shoubra District is 158,000 persons approximately.

4. The Report Component:

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; Secondary (general education); and (32) Secondary (technical education).
- b. Full day system (one shift).
- c. One urinal and one toilet for each (20) students of the first hundred students. One to three urinals 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 numbers for a Primary or Preparatory school is 18. The minimum classroom numbers for a Secondary school is 18 to 24.

2. Educational Facilities (24 Schools)

Enrollment and condition is displayed on Table (E-2). There are now a total of 24 schools and current student population is 17,683.

3. School Shifts

- 13 schools have one shift only.
- 11 schools have two shifts.

4. Educational Facilities Status

See Table (E-3)

5. Student Density and Need for Classrooms

See Table (E-4)

6. Expected Future Increases

A future increase of 2.7% per year is expected.

7. Deficiencies and Shortages in the Educational Service

- a. There is a number of rented and moana schools representing about 58% of the total number of school facilities. Therefore, it is difficult to replace them or carry out any expansion operations.
- b. There is no vacant land assigned to the educational service.
- c. There are no sufficient resources for land purchase.
- d. Lack of adequate equipment and furniture at schools.

Governorate : Cairo
District : Shoubra

E-C

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1969.

CODE NO.	FACILITY NAME	OWNERSHIP	TYPE	SEX	ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPANSION POT. (5)
					FIRST			SECOND			THIRD			BUILDING	LIGHTING	EQUIPMENT	W.C.	
					CLASSES	STUDENTS	AVERAGE DENS.	CLASSES	STUDENTS	AVERAGE DENS.	CLASSES	STUDENTS	AVERAGE DENS.					
1	El Estiklal	MO	F	B	10	380	38	10	310	31				E	C	F	D	A
2	El Ettihad El Kawt.	MO	F	B	7	200	29							E	E	A	C	A
3	El Salaa, Maseh	MO	F	B	7	198	28							E	E	A	D	N
4	El Salaa, girls	MO	F	F	6	158	26							E	E	A	D	N
5	Shoubra El Nadwa	B	F	M	9	320	34							E	E	B	D	N
6	Galal girls	B	F	F	14	477	34	14	495	35				C	E	D	D	M
7	El Attar	F	F	M	10	367	37	10	285	29				B	E	A	E	N
8	El Akbat, girls	MO	F	F	14	499	36							E	D	D	D	N
9	El Teraah, boys	F	F	M	11	384	35	11	351	32				E	E	E	E	N
10	El Salaa	MO	F	M	6	240	40							E	E	E	D	A
11	El Ettihad El Kawt.	MO	F	B	10	399	40							E	E	E	E	N
12	Kobba El Mawa	F	F	B	6	180	30							E	E	E	E	N
13	El Akbat, boys	MO	F	M	6	280	47	6	301	50				C	C	C	C	N
14	El Emarshery	F	F	B	6	200	33							E	E	E	E	A
15	El Nehda El Arabeya	B	F	B	26	1000	38	26	921	35				E	E	B	D	A
16	El Sawaed Sawa	B	F	B	10	351	35							A	A	E	A	F
17	El Sawaed Sawa	B	F	M	6	206	34							A	A	A	A	V
18	El Nasr	B	F	F	17	385	23	17	394	23				A	A	A	A	H
19	El Attar	B	F	F	20	988	49	20	724	36				A	E	A	A	N
20	El Zahraa	F	F	F	6	214	36	6	200	33				B	E	E	E	N
21	El Estiklal	MO	F	F	17	500	30							E	E	C	D	N
22	Fawses	B	F	M	17	681	40	17	610	36				A	C	C	C	A
23	Mohamed Farid	B	F	M	10	1400	140							A	E	A	E	N
24	Nasser, commercial	B	F	F	11	1187	108	11	1018	93				A	E	E	E	N

NOTES: 1. Ownership - B (Government), F (Rented), MO (Mocana)
 2. Schools - P (Primary), PP (Preparatory), E (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: Walbur Smith and Associates

4/18-20

Schools, Physical Condition
Summary Sheet

Governorate: Cairo
District : Shoubra

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	16	1	2	1	-	-	3	1		-	6	1	1	1	11	3	1		1
Preparatory	6	4	-	-	-	1	-			-	1	-	-	4	2	-	-	1	1
Secondary (General)	1	1	-	-	-	-	-	-		-	-	-	-	1	-	-	-	-	
Primary/Preparatory/Secondary																			
Preparatory/Secondary																			
Secondary (Technical)	1	1												1	-	-	-	-	-
Special Education																			
	24	2	1	1	-	-	4	1		-	7	1	1	7	13	3	1	1 School	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)

CLASSROOM PROJECTION
 Additional Classrooms Needed to be Constructed

Date Prepared: 1965.

No.	Schools as of 65									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 Stds.	Dens.	No. of Class.	No. of Stds.	Dens.	No. of Class.	No. of Stds.	Dens.		No. of Class.	No. of Stds.	Dens.	F	T	C	F	T	C	F	T	C	F	T	C	F	T	C	F	T	C				
1	27	272	10	75	2226	30	-	-	-	27	2726	30	-	-	87	44	-	-	87	51	-	-	91	56	-	-	107	62	-	-	111	64			
2	11	2220	20	84	2070	25	-	-	-	144	5400	28	-	-	91	31	-	-	97	35	-	-	102	39	-	-	108	42	2	-	114	47			
3	25	1410	57	-	-	-	-	-	-	25	1410	57	1	-	2	2	-	-	2	2	-	-	4	4	-	-	6	6	-	-	7				
3.1	25	1187	47	77	1218	32	-	-	-	77	2411	32	1	-	25	35	2	-	41	41	2	-	47	47	4	-	45	45	5	-	48	48			
S. E.																																			
Total	35*	11541	32	260	6540	31	-	-	-	557	17662	32	2	-	212	116	4	-	227	129	6	-	241	142	8	-	256	156	12	-	272	171			

- F = 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 Student Density Level based on Declared Rate of Growth, Working Existing Number of Shifts.
- S. 1 = Additional Classrooms Needed to be Constructed, if the Third Shift is Cancelled (to work 2 Shifts Only) at Existing Student Density Level, Based on Declared Rate of Growth.
- S. 2 = Additional Classrooms Needed to be Constructed, if the Second Shift is Cancelled (to work One Shift Only) at Existing Student Density Level, Based on Declared Rate of Growth.
- T = Additional Classrooms Needed to be Constructed to Meet Education Department's Student Density Criteria working One Shift Only Based on Declared Rate of Growth.
- F = No. of years in future

NOTE:

* Calculations for each category are not based on the results from other categories. (i.e. S.1, S.2, S.3, etc.) It is not taken into consideration the number needed for T. The District would construct S.1 or S.2 or T, but not all three.

Standard Density:
 (4) P./Pr.
 (26) S. General
 (22) S.T. & C.

$\frac{\text{Total No. of Students } \uparrow \text{ (Rate of Growth)}}{\text{Average Density } \downarrow} = \text{No. of Class. in First Shift}$	No. of Shifts
$\frac{\text{Total No. of Students } \uparrow \text{ (Rate of Growth)}}{\text{Average Density } \downarrow} = \text{No. of Class. in First Shift}$	No. of Shifts
$\frac{\text{Total No. of Students } \uparrow \text{ (Rate of Growth)}}{\text{Average Density } \downarrow} = \text{No. of Class. in First Shift}$	No. of Shifts
$\frac{\text{Total No. of Students } \uparrow \text{ (Rate of Growth)}}{\text{Standard Density}} = \text{No. of Class. in First Shift}$	No. of Shifts

5
 4/12-4-65

8. Development Potential in Educational Services

- a. Table (E-4) shows the need for classrooms according to the expected future increases (item 6) during the next five years. Accordingly, the number of classrooms needed to be constructed in case the second shift is cancelled and the standards are maintained is a total of 171 classrooms or 34 per year approximately.
- b. Purchase the rented or moana school land.
- c. Increase the funds allocated for maintenance and repair.
- d. Provide adequate equipment and furniture especially to labs and workshops.
- e. Build additional classrooms at schools having expansion potentials either vertical or horizontal.
- f. Raise the efficiency level of the teachers by means of holding training sessions in their specific fields of specialization.
- g. Use modern teaching aids.

9. Needs Assessment and Estimated Cost

See Table (E-5)

The total cost amounts to LE 1,531,000.

Governorate : Cairo
 District : Shoubra

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATION FACILITIES

Date Prepared: 1989.

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
El Shamashergy Prim. Sch.	- Normal and sanitary repairs, replacement of WCs.	20,000
El Wehda El Arabeya Prim. Sch.	- Normal and sanitary repairs, replacement of WCs.	25,000
El Sayeda Somaya Prim. Sch.	- School broadcast equipment, a wing on a shed with 2WCs having 10 toilets, normal and sanitary repairs.	150,000
El Sayeda Somaya Prep. Sch., Boys.	- A metal door, closing the rest of the shed + addition of 3 clsrms.	90,000
El Wasr Prep. Sch., Girls	- Replacement of the WC, constr. of a wing beside the entrance fence consisting of clsrms and a WC.	150,000
El Attar Prep. Sch.	- Normal and sanitary repairs for the main Bldg and electrical system and raise the fence height.	15,000
El Zahraa Prep. Sch.	- Normal and sanitary repairs, replacement of existing WC.	30,000
El Estiklal Prep. Sch. for Girls.	- Normal and sanitary repairs for the main bldg. replacement of existing WC.	35,000
Ramses Prep. Sch. for Boys	- Repair of the theater, - Transfer of sewerage flow. - Repair the doors and windows, painting.	49,000
Mohamed Farid Sec. Sch.	- Raising the height of the fence, normal and sanitary repairs.	25,000
Nasser Sec. Comm. Sch.	- Normal and sanitary repairs, painting.	10,000

af/E-5 SH

Governorate : Cairo
District : Shoubra

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATION FACILITIES

Date Prepared: 1989.

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
El Estiklal Prim. Sch., Mixed.	- Normal, sanitary and electrical repairs. - Demolition and rebuild of the WC.	20,000
El Ettihad El Kawmy Sch. Boys.	- Normal and sanitary repairs.	10,000
El Salam Prim. Sch., Mixed.	- Replacement of the existing WC. - Normal, sanitary and electrical repairs.	20,000
El Salam Prim. Sch., Girls.	- Replacement of existing WC. - Normal, sanitary and electrical repairs.	20,000
Galal Prim. Sch, Girls	- Renovation of existing school Bldg.	260,000
El Attar Prim. Sch., Boys	- Renovation of WC, and repair of the main Bldg. clsrms.	25,000
El Akbat Prim. Sch., Girls	- Renovation of the school.	260,000
El Teraah Prim. Sch., Boys.	- Normal and electrical works, painting	8,000
El Salah Prim. Scho, Boys	- Complete repair and maintenance	20,000
El Ettihad El Kawmi Sch., Mixed	Normal and sanitary repairs	10,000
Kobbet El Hawaa Prim. Sch.	- Raise the height of the fence (from 1.500m to 2m), Constr. of a room for teachers, repairs.	10,000
El Akbat Prim. Sch., Boys.	- Renovation and subsidies for the musical instruments, the administration offices furniture. - Renovation and normal, sanitary and electrical repairs.	160,000 10,000
	Sub. Total	1,432,000

af/E-5 SH1

Governorate : Cairo
 District : Shoubra

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATION FACILITIES

Date Prepared: 1989.

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Primary stage Preparatory and Secondary stages Technical stage Nasser Sec. Comm. Sch.	Furniture for the different educational stages	48,000 42,500 --- 8,500
	Sub. Total	99,000
	Grand Total	1,531,000

af/E-5 SH2

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. The number of hospitals for each 200,000 persons is 4 hospitals.
- e. One health unit for each 10,000 persons.
- f. One urban unit consisting of an outpatient clinic, a school health unit, a health office and a mother / child care center for each 50,000 persons.

2. Health Facilities

See Table (4-2)

3. Deficiencies, Shortages and Development Potential in Health Services

- a. Lack of medical equipment
- b. There is no land assigned for health facilities.

The efficiency level of the health services can be raised by means of:

1. Providing health facilities with necessary equipment.
2. Periodic maintenance works for health facilities.
3. Procuring the needed spare parts for the equipment maintenance.
4. Holding training sessions for doctors and technicians.

4. Needs Assessment and Estimated Cost

See Table (H-3)

The total cost amounts to LE 457,890.

Governorate : Cairo
 District : Shoubra

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATION FACILITIES

Date Prepared: 1989.

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Shoubra Public Hospital	<ul style="list-style-type: none"> - "Opale" search lights, 2 lamps 120 cm with accessories. 27,300 - Mosaic painting for corridors 5,000 - Plastering 2,250 - Oil painting 30,000 - Carpentry works 6,000 - Sanitary works 25,000 - Glazed tile and ceramic 7,500 - Mosaic tile for flooring 3,000 - Marble for floors 17,500 - Electricity cables and distribution board 20,000 - Plastic painting for facades 12,500 - Supply and installation of lift for the transfer of patients to economic treatment. 100,000 - Insulation coat. 2,000 	
	Sub - Total	258,050

af/H-3 SH

Governorate : Qasr
 District : Shoubra

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
 PUBLIC HEALTH FACILITIES

Date Prepared: 1985

NO.	FACILITY NAME	SERVICE AREA	OUT-PATIENT				TREATMENT	IN-PATIENT				FACILITY CONDITION (1)								EXP. FCT. (2)	
			AVE. PATS /DAY	PHYSICIAN STAFF	NURSES OTH. STAFF			AVG. STAY/DAYS	BEDS	PHYSICIAN TECH. STAFF	NURSES OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREAT. ROOMS	OPERAT. ROOMS	WATER SUPPLY		W.C.'S
1	Shoubra Public Hospital	Shoubra Khayma El Bahi Kut El Fark Kut El Shorabe El Jawa El Hanna	24	20/56	142/107	Internal Medicine, Surgery, Burns Oncology Gynecology Pediatrics		200	215/44			All Diseases	C	F	F	E	F	A	A	C	N
2	Cardiac and Chest Center at Shoubra	Shoubra and N. Shorabe	80	10/10	13/4	Chest and T.B. and cardiac							F	F	-	E	F	-	F	C	N
3	El Teraah Child Care	El Teraah El Shakasneh El Guesh	21	6/7	8/8	Examine Pregnant Ladies, Obstetrics Pediatrics							D	D	D	D	D	E	D	D	M
4	El Assul Child Care	El Assul And Tawel	45	10/0	5/6	*							F	F	-	F	F	F	F	C	N
5	Shoubra Awal Health Office	Sheikhate Jusse	8	5/4	15/1	Children vaccination Birth/death certificates							F	-	-	F	F	F	F	C	N
6	Shoubra Thany Health Office	Shoubra	60	2/1	10/1	*							F	-	-	F	F	F	F	C	M
7	Shoubra Sch. Health Office	Shoubra	8	2/1	15/7	Comprehensive medical check-up Sch. Health							F	F	C	C	F	-	F	F	N

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

Governorate : Cairo
 District : Shoubra

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

HEALTH FACILITIES

Date Prepared: 1989.

Facility Title	Description of Improvement	Total Estimated Cost (LE)
Shoubra Chest Dispensary	- "Opale" search lights, 2 lamps 120 cm, with accessories.	2,100
	- Oil Paint	6,000
	- Sanitary works	6,000
	- Tiling works	6,000
	- Carpentry works	4,500
	Sub - Total	24,600
El Teraah Child Care	- Restoration of the Bldg:	150,000
	- Pouring of new ceilings	
	- Floor tiling	
	- Sanitary works	
	- Electrical works	
	- Painting of inside area	
	- Painting the outside of Bldg.	
	- Replacement of carpentry works.	
	- Construction works	
- Stair case		
- "Cretal" iron		
	Sub - Total	150,000
Awal and Thany Shoubra Health Offices	- Oil Painting	5,400
	- Sanitary works	500
	- Carpentry works	200
	Other miscell. works	200
	Sub - Total	6,300

af/H-3 SH1

Governorate : Cairo
 District : Shoubra

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

HEALTH FACILITIES

Date Prepared: 1989.

Facility Title	Description of Improvement	Total Estimated Cost (LE)
El Assal Child Care	<ul style="list-style-type: none"> - Oil painting - Sanitary works - Carpentry works - Electrical works 	2,700 500 600 840
	Sub - Total	4,640
Shoubra Sch. Health Office	<ul style="list-style-type: none"> - Oil painting - Plastering - fixing of "Opale" lamps - Sanitary works - Carpentry works - Mosaico works outside the rooms 	3,000 500 2,000 2,500 300 6,000
	Sub - Total	14,300
	Grand - Total	457,890

af/H-3SH2

Section III

Youth Facilities

1. Standards

- a. One Youth Center for each 10,000 person.
- 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 the facilities in private clubs.

2. Youth Facilities

See Table (Y-2)

3. Needs Assessment and Estimated Cost

See Table (Y-3)

The total cost amounts to L.E. 10,000.

Governorate : Cairo
 District : Shoubra

Y-2

PUBLIC YOUTH CENTERS
 SURVEY SUMMARY & BASIC DATA AND OBSERVATIONS

Date Prepared: 1969.

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	Shoubra Sports Club	Sports Club	Social Sports Technical	50 Founders Membership is currently being established	Shoubra Distr.	50	E	D	D	A	It is currently being assigned	A	A	H
NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious) (2) Expansion potential - H (Horizontal), V (Vertical), N (No) - units of sq														

a/Y-254

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Governorate : Cairo
 District : Shoubra

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Date Prepared: 1989.

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
Shoubra Sports Club	Only equipment is needed.	10,000
	Total	10,000

af/Y-3 SH

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