

M-AR-914

86770

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

BEST AVAILABLE

Needs Assessment Report
For
Education, Health, and Youth Facilities
Abdeen District - Cairo Governorate

TABLE OF CONTENTS

<u>Subject</u>	<u>Page No.</u>
<u>Introduction</u>	
1. Location	1
2. Area	1
3. Population	1
4. Report Components	1
I. <u>Educational Facilities:</u>	
1. Standards	2
2. Educational Facilities	2
3. School Shifts	5
4. Educational Facilities Status	5
5. Student Density and Needs for Classrooms	5
6. Expected Future Increases	7
7. Deficiencies and Shortages in Educational Facilities	7
8. Development Potential in Educational Services	7
9. Needs Assessment and Estimated Cost	9
II. <u>Health Facilities:</u>	
1. Policies and Standards of Public Health	11
2. Health Facilities	11
3. Deficiencies and Development Potential in Health Services	11
4. Needs Assessment and Estimated Cost	11
III. <u>Youth Facilities</u>	
1. Standards	14
2. Youth Facilities	14
3. Needs Assessment and Estimated Cost	14

17-3-3S.023

TABLES

<u>Table</u>	<u>Page No.</u>
I. <u>Education:</u>	
- Survey Summary of Basic Data and Observations for Educational Facilities, E-2	3,4
- School Physical Conditions Summary Sheet, E-3	6
- Classroom Projections: Additional Classrooms to be Constructed, E-4	8
- Multi-Year Capital Improvements Program, Educational Facilities, E-5	10
II. <u>Health:</u>	
- Summary of Basic Data and Observations for Public Health Facilities, H-2	12
- Multi-Year Capital Improvements Program, Health Facilities, H-3	13
III. <u>Youth:</u>	
- Survey Summary of Basic Data and Observations for Public Youth Centers, Y-2	15
- Multi-Year Capital Improvements Program, Youth Facilities, Y-3	16

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

INTRODUCTION

INTRODUCTION

1. Location:

Abdeen is one of the West Zone Districts and is situated in the middle of the Capital. It is surrounded by Magles El Shaab St. on the South, Kasr El Eini St. on the West, Ramses and Sabtia Sts. on the North and Port Said St. on the East.

The district includes 3 kisms. They are as follows:

- Abdeen Kism
- Azbakeya Kism
- El Mosky Kism

2. Area:

The area of this district is about 9 Km². The green area is about 60,000 m² or 0.6% of the total area.

3. Population:

The population according to the latest census is about 288,000 persons.

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

Abdeen District offers educational services to its residents through its Primary, Preparatory and Secondary schools. There are 36 schools with 488 classrooms accommodating 19,148 students in the different educational stages.

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 each 20 students of the first hundred. 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 number of classrooms for a Primary or Preparatory school is 18.
The minimum number of classrooms for a Secondary school is 18 to 24.

2. Educational Facilities (36 Schools):

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

Governorate : Cairo
District : Abdeen

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.	
1	El Roweiee	G	P	B	42	993	24	14	529	38				A	C	A	C	N
2	Bab El Bahr	MO	P	B	4	116	29							D	D	A	C	N
3	Thamaret El Tawfik	G	P	B	9	290	32							C	B	A	A	N
4	Mohamed Farid	G	P	B	23	1173	51							A	A	A	A	N
5	El Khazendar	R	P	B	9	312	35							B	B	A	B	N
6	Fatma El Zahraa	G	P	B	13	679	52							A	A	A	A	N
7	Dar El Ketab El Arabi	G	P	B	7	273	39							B	A	B	A	N
8	El Moez Ledin Ellah El Fatemi	G	P	B	14	733	52							A	A	C	A	N
9	Abdeen	R	P	B	10	243	24							D	B	B	B	N
10	El Akbat/ El Fath	G	P	M/B	6/10	218/335	36/34							A	A	A	A	N
11	El Wehda El Arabia	G	P	B	11	412	37							A	B	C	A	N
12	El Tahreer	G	P	B	9	465	52							A	A	C	A	N
13	El Banat El Kebteya	MO	P	B	6	131	22							D	A	C	B	N
14	El Horreya	G	P	B	12	780	65							A	A	C	B	H
15	Mostafa Kamel	G	P	B	7	378	54							A	A	C	A	N
16	El Kolaly	MO	P	B	21	1051	50							A	A	B	B	N
17	El Sherifa	MO	P	B	8	270	34							C	A	C	B	N
18	Kamel El Kilany	G	P	B	12	540	45							A	B	C	A	H
19	Abu Bakr El Seddik	G	P	B	13	489	38							B	A	A	A	N
20	Kassem Amin	G	P	B	13	556	43							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 : Cairo
District : Abdeen

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	El Kadi Sharaf El Din	G	PR	F	4	100	25							C	C	D	D	N
2	El Falaki	R	PR	F	23	789	34							C	C	D	D	N
3	Noubar	G	PR	F	21	626	30							A	A	C	C	N
4	El Horreya	G	PR	F	18	636	35							A	A	C	C	N
5	El Kerabeya	G	PR	M	24	576	24							D	D	D	D	N
6	Mostafa Kamel	R	PR	M	13	524	40							A	A	C	C	N
7	El Azbakeya	G	PR	M	20	625	31							A	C	A	A	N
8	Gamal Abdel Nasser	G	PR	M	18	755	42							A	A	B	B	N
9	El Lewaa Amin El Sherif	G	PR	M	13	136	27							B	B	B	B	N
10	Fatheya Bahig	G	PR	F	18	700	39							A	B	B	B	N
11	Ahmed Orabi	R	S	M	8	230	29							A	A	A	A	N
12	El Hawayati	R	S	F	19	722	38							B	C	D	D	N
13	Dar Moallemat Bab El Louk	G	S	M	10	287	29							A	A	A	A	N
14	Abdeen (Industrial)	G	S	M	10	355	36	8	320	40				A	A	B	B	N
15	EL Moallemat (Commercial)	G	S	B	21	638	30							A	A	B	B	N
16	El Albat	G	S	M	7	163	23							A	B	B	B	N

NOTES: 1. Ownership - G (Government), R (Rented), Mo (Moana)
2. Schools - P (Primary), PR (Preparatory), S (Secondary), S.E. (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

3. School Shifts:

- a. 34 Schools (94%) have one shift only
- b. 2 Schools (6%) have two shifts
- c. There are no three-shift schools

4. Educational Facilities Status:

(Table E-3)

- 23 Schools (64%) are in good condition
- 5 Schools (14%) are in fair condition
- 4 Schools (11%) are in poor condition
- 4 Schools (11%) are in serious condition

The schools in serious condition are as follows:

- . Two moana schools (Bab El Bahr and El Banat El Kebteya).
- . One rented school (Abdeen).
- . One governmental school (El Kerabeya).

5. Student Density and Needs for Classrooms:

(Table E-4)

- a. The student density in the Primary stage is 42 students per class. It is slightly higher than the accepted standard which is 40 students.
- b. The student density in the Preparatory stage is 33 per class. It is lower than the accepted standard which is 40 students.
- c. The student density in the Secondary stage is 33 per class. It is also lower than the accepted standard which is 36 students.

Schools, Physical Condition
Summary Sheet

Governorate : Cairo
District : Abdeen

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	20	11	2	1	-	-	1	-	1	1	-	1	2	12	3	2	3	-	2
Preparatory	10	5	1	1	1	-	1	-	-	-	-	-	-	6	1	2	1	-	-
Secondary (General)	6	4	-	-	-	1	-	-	-	-	-	-	-	5	1	-	-	-	-
Primary/Preparatory/Secondary																			
Preparatory/Secondary																			
Secondary (Technical)																			
Special Education																			
TOTAL	36	20	3	2	1	2	2	1	1	1	-	1	2	23	5	4	4	-	2 sch.

Expansion potentials are only for government-owned schools

H is horizontal, v is vertical; these columns 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:

No future increases are expected. This is due to the generally undesirable character of Abdeen District.

7. Deficiencies and Shortages in the Educational Services:

- a. There is a large number of rented and moana schools which represents about 28% of the total number of the District's schools. Therefore, the building replacement operations are difficult. There are (3) schools in such serious condition that a quick decision is necessary
- b. There are no vacant land assigned to the educational services within the District's boundaries. Land is very expensive as well. Moreover, there are no financial resources which are sufficient to purchase the land assuming they were 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. From (Table E-4) the need for classrooms is apparent, assuming present no. of shifts continues:
 1. In case the second shift is cancelled, an additional 12 classrooms in the Primary stage and 8 classrooms in the Secondary stage are needed.
 2. In case the second shift is cancelled, with the classroom density meeting the standard, an additional 25 classrooms in the Primary stage and 10 classrooms in the Secondary stage are needed.
- b. It is essential that the District:
 1. Obtain a decree through which the land of the rented and moana schools are purchased. This will allow the replacement of existing deteriorated buildings.
 2. Increase the funds allocated for maintenance, rehabilitation and periodic repairs.
 3. Provide adequate equipment and repair especially at laboratories and workshops.
 4. Build additional classrooms at schools having expansion potential on condition that the internal playground is kept untouched so as to allow its use by the students in different activities. There is a horizontal expansion potential to construct 12 classrooms at Kamel El Kilany Primary School.
 5. Raise the efficiency level of the teachers by means of holding training sessions for 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 for the maintenance works needed amounts to LE 116,535

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATION FACILITIES

Governorate : Cairo
 District : Abdeen

Date Prepared: 1989

Facility TITLES	Description of Improvement	Total Estimated Cost (LE)
1. Mohamed Farid School (P)	Painting of the building	9,000
2. El Roweiee School (P)	Maintenance of WC	3,000
3. Thamarat El Tawfik School (P)	Maintenance and Repair of building	7,000
4. El Hawayaty School (S) (F)	Maintenance and Repair of WC	5,000
5. El Kadi Sharaf El Din (B)	Fence Completion, Maintenance and Repair of WC	12,535
6. El Horriya (Pr) (F)	Maintenance and Repair of the building	2,000
7. Kerabeya (Pr) (M)	Maintenance and Repair of WC, Repair of bldg.	13,000
8. El Kolaly (P)	Repairs	3,500
9. El Lewaa Amin El Sherif (P)	Construction of a WC	25,000
10. Canal Abdel Nasser	Maintenance and Repair of WC	10,000
11. El Akbat (S) (M)	Maintenance and Repair of WC	3,000
12. Fatheya Bahig (Pr) (F)	Repair and Maintenance of WC	8,000
13. Bab El Bahr (P)	Repair of WC and building	6,000
14. El Banat El Kebte;3	Maintenance and Repair of building	9,500
TOTAL		116,535

sy/E-5Abdn

SECTION II
HEALTH FACILITIES

Abdeen District offers health services through the Health Offices, the School Health Centers, Mother/Child Care Centers and one Deaf/Mute Medical 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 per 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)

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

The number of health offices, mother/child care centers in addition to school health centers are not sufficient to meet health services needs of the district's 288,000 citizens. In addition, there are not any hospitals within the boundaries of Abdeen District. Therefore, three pieces of land ought to be assigned for the construction of three hospitals that serve the district's residents. Also 1,000 beds ought to be provided so that the average number of beds in each hospital becomes 330 approximately. This in addition to providing 6 operating theatres as well as medical equipment for each of the hospitals.

Also, the efficiency level of the health services can be raised by means of the repair, maintenance and development of the existing structures in addition to their support by modern medical equipment.

4. Needs Assessment and Estimated Cost:

(Table H-3)

The total estimated cost amounts to LE 46,000.

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIESGovernorate : Cairo
District : Abdeen

Date Prepared: 1989

NO.	FACILITY NAME	SERVICE AREA	OUT-PATIENTS				IN-PATIENTS				FACILITY CONDITION (1)								EXPLAN. POT. (2)	
			AVE. PATS / DAY	PHYSICIAN/TECH. STAFF	NURSES/OTH. STAFF	TREATMENT	AVE. PATS / DAY	AVERAGE STAY/DAYS	No. OF BEDS	PHYSICIAN/PHARMACIAN	NURSES/OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREAT. ROOMS	OPERAT. ROOMS		WATER SUPPLY
1	Deaf and Mute Center	Cairo Govern.	50	4	10	Deaf. Spec. Detects						B	-	-	B	C	-	A	C	N
2	Baray Abdeen Group For School Health	Abdeen (Construct)	150	25	15	All Disease. Of Sch. Age						B	C	-	B	C	-	A	C	N
3	Solaly School Health Unit	Solaly Abdeen	40	5	5	Internal-Medicine						B	-	-	B	C	-	A	-	N
4	Abu Barar El Dokki School Unit	Within the area	40	4	5	Dental						B	-	-	B	A	-	A	-	N
5	Abdeen Health Office	Abdeen Eisa	150	3	4	Dental Preventive Medical Work						B	-	-	C	-	-	A	C	N
6	El Hekay Health Off.	Hekay Eisa	150	3	4	Preventive Med. Work						B	-	-	-	B	-	A	B	N
7	El Abnakeya Health Office	Abnakeya Eisa	150	3	4	Preventive Med. Work						B	-	-	C	B	-	A	C	N
8	Child Care Center at Fawzala	Abnakeya Abdeen	50	5	7	Child Delivery						A	A	-	A	A	-	A	A	N
9	Care Center at Hekay	Hekay Eisa	50	7	9	Pediatrics Child Eivr. Pediatrics						A	A	-	A	A	-	A	A	N
10	Construction of a new health group and reequipping it as per our agreement																			

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

57/3-286a

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

HEALTH FACILITIES

Governorate : Cairo
 District : Abdeen

Date Prepared 1989

FACILITY TITLE	Description of Improvement	Total Estimated Cost (LE)
1. Abdeen Health Office	Maintenance and Repair of Building	10,000
2. El Mosky Health Office	Maintenance and Repair of Building	6,000
3. Child Care Center - Faggala	Maintenance and Repair of Building	8,000
4. Child Care Center - El Mosky	Maintenance and Repair of Building	11,000
5. Deaf and Mute Center - Bab El Louk	Maintenance and Repair of Building	11,000
TOTAL		46,000

sy/H-3Abdn

SECTION III
YOUTH FACILITIES

Abdeen District offers services to youth through the following facilities:

- Abdeen Youth Center;
- El Azbakeya Youth Center;
- Ramses Youth Club; and
- Isis Club

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 LE 57,500

Governorate : Cairo
District : Abdeen

PUBLIC YOUTH CENTERS
SURVEY SUMMARY BASIC DATA AND OBSERVATIONS

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	Abdeen Youth Center	Youth Center	All Types of Activities	1,200	Abdeen Dist.	7,600	A	C	A	C	D	A	F	V
2	Abakeva Youth Center	Youth Center	All Types of Activities	250	Abdeen Dist.	2,000	A	A	A	A	E	B	A	V
3	Rameses Youth Club	Club	Boys Building Wrestling Athletics	1,000	Abdeen Dist.	5,000	B	E	E	A	-	A	E	N
4	El Abakeva Club	Club	All Types of Activities	50	Abdeen Dist.	300	E	E	C	A	E	C	F	V
5	Isis Club	Club	All Types of Activities	154	Abdeen Dist.	750	A	A	C	A	A	B	E	N

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)
(2) Expansion potential - H (Horizontal), V (Vertical), N (No) - units of m²

sv/Y-2Abdn

BEST AVAILABLE

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Cairo
 District : Abdeen

Date Prepared: 1989

YOUTH FACILITY	Description of Improvement	Total Estimated Cost (LE)
1. Abdeen Youth Center	<ul style="list-style-type: none"> - Maintenance of Center and WC - Equipment 	10,000 10,000
2. Ramses Youth Club	Painting of Bldg., Repair of WCs & wooden floor	10,000
3. El Azbakeya Club	Comprehensive Renovation of Playgrounds	24,000
4. Isis Club	Repair of WC, Painting and Repair of walls	3,500
TOTAL		57,500

sy/Y-3Abdn

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