

FN-AP 2-10-5

86771

# **LOCAL DEVELOPMENT II URBAN PROJECT**

Submitted to

**USAID / CAIRO**

Submitted by

**WILBUR SMITH ASSOCIATES**

in association with

PUBLIC ADMINISTRATION SERVICE  
DEVELOPMENT CONSULTING OFFICE

DELOITTE HASKINS AND SELLS  
ENGINEERING AND GEOLOGICAL  
CONSULTING OFFICE

**Needs Assessment Report**  
**For**  
**Education, Health, and Youth Facilities**  
**El Arab District - Port Said Governorate**

## Table OF CONTENTS

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

17-6-3S.088

## TABLES

<u>Table</u>	<u>Page No.</u>
<b>I. <u>Education:</u></b>	
- Survey Summary of Basic Data and Observations for Educational Facilities, E-2	3
- School Physical Conditions Summary Sheet, E-3	4
- Classroom Projections: Additional Classrooms to be Constructed, E-4	6
- Multi-Year Capital Improvements Program, Educational Facilities, E-5	7
<b>II. <u>Health:</u></b>	
- Summary of Basic Data and Observations for Public Health Facilities, H-2	9
- Multi-Year Capital Improvements Program, Health Facilities, H-3	10
<b>III. <u>Youth:</u></b>	
- Survey Summary of Basic Data and Observations for Public Youth Centers, Y-2	12
- Multi-Year Capital Improvements Program, Youth Facilities, Y-3	13

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

## INTRODUCTION

## **INTRODUCTION**

1. **Location:**

El Arab District is the oldest among Port Said's five districts. It is situated in the middle of the Governorate. It extends from Tarh El Bahr Street on the north (going along El Shaheid Ibrahim Salem St.) to El Menia Street No. 100, and from Aswan Street on the West to El Tahrir Street (El Masraf) on the south.

2. **Area:**

The area of this district is 2.695 km<sup>2</sup>.

3. **Population:**

The population is estimated as 90,275. The district is generally characterized by its trade activities.

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 [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 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:**

Enrollment and condition data are displayed in Table E-2.

**3. School Shifts:**

- a. 10 schools have one shift only
- b. 6 schools have two shifts

**4. Educational Facilities Status:**

(Table E-3)

**5. Student Density and Needs for Classrooms:**

(Table E-4)

**6. Expected Future Increases:**

Expected future increase is 2.7% annually.

**7. Deficiencies and Shortages in the Educational Services:**

- a. There are a large number of rented and moana schools which represents about 12.5% of the total number of the district's schools. Therefore, it is difficult to renovate or expand the schools.

Governorate : Port Said  
District : El Arab

## SURVEY SUMMARY OF BASIC DATA &amp; 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	Ibn Khaldoun	G	PR	M	20	648	32							A	A	B	B	H
2	Kasem Amin	R	P	B	9	394	44	9	331	37				B	B	B	D	N
3	Safeya Zaghloul	G	P	B	8	352	44							A	A	A	A	N
4	Ashtoum El Gameel	G	P	B	32	1545	48							A	A	A	A	V
5	El Gomhoreya/El Wasfeya	MO	P	B	13	533	41	12	452	38				A	A	B	A	N
6	Omar Ebnel Khattab /El Farouk	G	P	B	11	380	35	10	367	37				B	B	D	B	V
7	Khaled Ibnel Waleed	G	P	B	13	564	43	12	459	38				A	B	B	A	V
8	El Khalifa El Maamoun/ Omar Ebn Abdel Aziz	G	P	B	7	253	36	8	289	36				A	A	B	B	N
9	Port Said	G	PR	M	33	1203	36							A	A	B	B	N
10	El Tahrir	G	PR	F	31	1037	33							A	A	B	A	H
11	Port Said/ Hoda Shaarawi	G	PR	F	24	750	31	22	608	28				B	A	B	C	H
12	El Nadi/ El Hadidi	G	PR	F	20	846	42							A	A	C	A	H/V
13	Port Said Sec. Sch., for boys	G	S	M	33	946	29							A	C	B	C	N
14	Port Said Sec. Sch., for girls	G	S	F	42	1551	37							A	A	A	C	V
15	Port Said Commercial School	G	S	M	18	333	19							A	B	B	A	N
16	Ahmed Orabi Commercial	G	S	F	25	697	28							A	A	B	C	V

Notes: 1. Ownership - G (Governorate), R (Reneted), 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 Associates

Schools, Physical Condition  
Summary Sheet

Governorate: Port Said  
District : El Arab

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	7	4	1				1			1				5	2			3	-
Preparatory	5	4	1											4	1			1	4
Secondary (General)	4	4												4				2	-
Primary/Preparatory/Secondary																			
Preparatory/Secondary																			
Secondary (Technical)																			
Special Education																			
<b>TOTAL</b>	<b>16</b>	<b>12</b>	<b>2</b>				<b>1</b>			<b>1</b>				<b>13</b>	<b>3</b>			<b>6 sch.</b>	<b>4 sch.</b>

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)

Governorate : Port Said  
District : Arab

CLASSROOM PROJECTIONS  
Additional Classrooms Needed to be Constructed

Date Prepared: 1988

No.	Schools (as of 89)									Total			Additional Classrooms Needed																								
	1 Shift			2 Shifts			3 Shifts			No. of Class.	No. of Class.	Dens.	1st year*					2nd year*					3rd year*					4th year*					5th year*				
	No. of Class.	No. of Stud.	Dens.	No. of Class.	No. of Stud.	Dens.	No. of Class.	No. of Stud.	Dens.				F	S	T	F	S	T	F	S	T	F	S	T	F	S	T	F	S	T							
P.	93	4021	43	51	1898	37				144	5819	41	-	65	59	-	59	67	-	67	67	-	67	72	-	72	76										
PR.	108	4484	41	22	678	28				151	5062	34	-	56	2	-	24	6	-	24	16	-	24	14	-	42	17										
S.	75	2487	33	-	-	-				75	2487	33	-	-	-	-	-	-	-	-	-	-	6	-	11	-	4										
S. T.	47	1633	34	-	-	-				47	1633	34	1	-	-	2	-	-	-	-	-	-	5	-	-	6	-										
S. E.																																					
Total	319	12332	38	73	2904	34				412	14518	35	4	61	61	7	69	69	16	67	77	14	107	66	17	115	97										

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 Student 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 Student Density Criteria working One Shift Only, Based on Declared Rate of Growth.

\* = No. of years in future

NOTE:

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

STANDARD DENSITY:

- 40 P.P.S.
- 25 S. General
- 22 S.T. & S.E.

$$F = \frac{\left( \frac{\text{Total No. of Students } (1 + \text{Rate of Growth})^T}{100} \right) - (\text{No. of Class. in First Sh.} \times \text{No. of Sh.})}{\text{Average Density } (D)}$$

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

$$\text{Sh. 2} = \frac{\left( \frac{\text{Total No. of Students } (1 + \text{Rate of Growth})^T}{100} \right) - (\text{No. of Class. in First Sh.})}{\text{Average Density } (D)}$$

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

- b. There is no vacant land allocated for the educational services. Vacant land is rare. Moreover, there are no financial resources to purchase land assuming it is available.
- c. Expansion is not possible except in a limited way which cannot meet the expected future increase.

8. **Development Potential in Educational Services:**

- a. From (Table E-4) the need for classrooms is apparent, according to the projected increases (Item 6), in the coming 5 years.
  - \* In case the second shift is cancelled with the classroom density meeting the standard, an additional 97 classrooms are needed. This means constructing approximately 19 classrooms per year.
- b. It is essential that the district:
  - 1. Increase the funds allocated for maintenance works.
  - 2. Provide equipment and furniture for classrooms, labs and workshops.
  - 3. Construct additional classrooms. This depends upon the available expansion potential.
  - 4. Raise the efficiency level of the teachers by means of holding training courses for them.
  - 5. Use modern educational aids.

9. **Needs Assessment and Estimated Cost:**

(Table E-5)

The total estimated cost is LE 338,750

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATION FACILITIES

Governorate : Port Said  
 District : El Arab

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Kasem Amin	Repair and maintenance of the buildings:&W.C.s	25,000
Ashtoun El Ganeel	Repair of roof (5 classes)	37,000
El Gonhorreya/El Wasfuya	Maintenance	25,000
Omar Ebnel Khattab	Equipment for carpentry workshop	15,000
Khaled Ebnel Waleed	Construction	72,000
El Khalifa El Maamoun/ Omar Ebn Abdel Aziz	Maintenance	3,000
Port Said Preparatory School	Maintenance of building	25,000
El Tahrir	Repair and maintenance of building and WC	20,000
Port Said/ Hoda Shaarawi	Repair of building	15,000
Ebn Khaldoun	Purchase of desks	3,750
Port Said Secondary School, for boys	Maintenance of building and repair of electricity	13,000
Port Said Secondary School, for girls	Repair and maintenance of building	45,000
Port Said Commercial School, for boys	Repair and maintenance	20,000
Ahmed Orabi Commercial School, for girls	Comprehensive repair	20,000
<b>TOTAL</b>		<b>338,750</b>

## **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 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:**

- a. Shortage in medical equipment.
- b. No land is allocated for health service.

The efficiency level of the health services can be raised through:

1. Providing equipment for health establishments.
2. Regular maintenance for health establishments.
3. Providing spare parts necessary for equipment maintenance.
4. Holding training session for physicians and technical staff.

#### **4. Needs Assessment and Estimated Cost:**

(Table H-3)

The total estimated cost is L.E. 22,400.

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR  
PUBLIC HEALTH FACILITIES

governorate : Port Said  
district : El Arat

Date Prepared: 1989

FACILITY NAME	OUT-PATIENT					IN-PATIENT						FACILITY CONDITION (1)						EXP. POT. (2)		
	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	TREATM. ROOMS	OPERAT. ROOMS		WATER CSEWER	W.C'S
El Arab School Health Center	El Arab Dist.	25	9/1	37/21	Dental/ Internal Medicine/ ENT/ Cardiology/ Skin / Ophthalmology Immunization							A	A	-	A	B	-	C	A	N
Child Care Center	El Arab District	-	12/-	7/6	Family planning/ Epidemics			14				A	A	-	B	A	-	A	E	N
Health Office (2)	El Arab District	60	1/2	6/13	Immunization against all diseases							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)

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## HEALTH FACILITIES

Governorate : Port Said  
 District : El Arab

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
El Arab School Health Center	<ul style="list-style-type: none"> <li>- Construction of an examination room</li> <li>- Painting all the rooms</li> <li>- Furniture for all the rooms</li> <li>- Construction of Analysis lab.</li> <li>- Construction of secretarial office</li> <li>- Construction of WC</li> <li>- Repair of wooden floor</li> <li>- Equipment: electric fan</li> </ul>	1,500 2,000 4,000 1,000 1,000 5,000 3,000 400
Child Care Center	<ul style="list-style-type: none"> <li>- Completion of guard room</li> <li>- Medical equipment</li> </ul>	2,000 2,500
TOTAL		22,400

nm/H-3arab

**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.
  - . The number of centers and clubs is 12.
  - . The number of beneficiaries within the district boundaries is 10,423 persons.

**2. Youth Facilities:**

(Table Y-2)

**3. Needs Assessment and Estimated Cost:**

Table (Y-3)

The estimated cost is LE 278,000.

## PUBLIC YOUTH CENTERS

## SURVEY SUMMARY &amp; BASIC DATA AND OBSERVATIONS

Governorate : Port Said

District : El Arab

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	El Maaref Club	Sporting, Social	All types of activities	2000	El Arab/ East Districts		C	C	B	C	C	C	B	H
2	El Mareekh Club	Sporting, Social	All types of activities		El Masha' El Shaabeyar/ El Gelf/ El Kust		A	A	D	B	A	A	A	H/V
3	El Salam Youth Club	Sporting, Social	All types of activities		El Salam/ El Gawaty		B	B	B	C	B	B	B	H

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



**SOURCE OF TABLES**

**Table**

E-2 & E-5

H-2 & H-3

Y-2 & H-3

E-3 & E-4

**Sources**

District

District

District

Wilbur Smith Associates

141