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LOCAL DEVELOPMENT II URBAN PROJECT

Submitted to
USAID / CAIRO

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in association with

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Needs Assessment Report
For
Education, Health and Youth Facilities
Port Fouad District - Port Said Governorate

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INTRODUCTION

Introduction

1. Location :

Port Fouad district is located on the eastern side of Port Said City. It is a triangular Island uniquely situated in Asia continent. It was established in year 1820 to serve Suez Canal Authority extending from the Mediterranean Sea down to the Red Sea. The physical expansion of the city started during these past years by building new housing areas, in addition the majority of the residents are handling commercial and industrial activities. Its boundaries are:

On the North : The Mediterranean Sea.

On the East : Fancy line between the Mediterranean Sea and Baloza village in North Sinai Governorate.

On the South : 40 kms. Northern El Kantara Shark.

On the West : Suez Canal.

2. Area :

The area of the district is 511.875 km².

3. Population :

The population is estimated as 34,000 persons.

4. Report Components :

This report includes three sections :

Section I : Educational Facilities.

Section II : Health Facilities.

Section III : Youth Facilities.

Section I

Educational Facilities

Port Fouad district offers educational services to its residents through its Primary, Preparatory and Secondary schools. There are 12 schools with 190 classrooms accommodating 7518 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 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 Primary or Preparatory school is 18.
- g- The minimum number of classrooms for a Secondary school is 18 to 24.

2. **Educational Facilities :**

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

3. **School Shifts :**

- a- 8 schools (67%) have one shift only
- b- 4 schools (33%) have two shifts.

4. **Educational Facilities Status :**

(Table E-3)

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

(Table E-4)

Currently there are 218 classrooms in use serving 7,518 students.

6. **Expected Future Increases :**

The expected increase per year is 2.7%

Governorate : Port Said
District : Port Fouad

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 Obour	G	P	B	12	566	47							A	A	B	A	N
2	El Nasr	G	P	B	12	569	47							B	B	B	B	N
3	Youssef Ashour	G	P	B	10	456	46	6	244	41				A	A	D	B	V
4	El Sayeda Khediga	G	P	B	12	510	43	6	202	34				A	C	B	C	V
5	Gawad Hosny / Taha Hussein	G	P	B	8	265	33	7	270	39				A	B	C	B	N
6	Sinai / Port Fouad	G	P	B	9	377	42	9	347	39				A	A	B	C	V
7	Port Fouad	G	PR	M	19	825	43							C	A	C	B	H
8	Port Fouad	G	PR	F	26	907	35							A	A	A	C	H
9	Port Fouad	G	S	M	10	289	29							A	A	B	B	N
10	Port Fouad	G	S	F	13	367	28							B	A	C	B	H
11	Port Fouad (commer.)	G	S	F	14	317	23							B	A	B	A	H
12	Industrial Sec. Sch.	G	S	B	45	1007	22							A	A	A	A	H

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 SheetGovernorate: Port Said
District : Port Fouad

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	6	5	1												5	1	-	-	3	-
Preparatory	2	1	-	1	-										1	-	1	-	-	2
Secondary	2	1	1												1	1	-	-	-	1
Special (Commercial)	2	1	1												1	1	-	-	-	2
TOTAL	12	8	3	1	-										8	3	1	-	3 Schools	5 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)

Governments Form E-3
District: Fort Polk

CLASSROOM PROJECTIONS
Additional Classrooms Needed to be Constructed

Date Prepared: 1989

Year	Existing Schools									Additional Classrooms Needed																					
	1 Shift			2 Shifts			3 Shifts			Total			1st Year					2nd Year					3rd Year								
	No. of Class.	No. of Stud.	Dens.	No. of Class.	No. of Stud.	Dens.	No. of Class.	No. of Stud.	Dens.	No. of Class.	No. of Stud.	Dens.	F	T	S	F	T	S	F	T	S	F	T	S	F	T	S				
81	62	2742	44	28	1167	42			90	3916	42	-	-	22	25	-	-	22	27	-	-	25	40	-	-	28	40	-	-	42	45
82	45	1700	38						45	1700	38	2	-	-	-	-	-	-	4	-	-	2	6	-	-	-	-	-	-	4	
83	21	856	41						21	856	41	-	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	
84-85	59	2224	38						59	2224	38	2	-	-	-	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	
B. E.																															
Total	197	6452	41	28	1167	42			218	7813	41	4	-	22	25	4	-	32	28	22	4	26	40	2	-	28	40	2	-	42	45

- F = Primary
- FF = Preparatory
- E = Secondary
- T, S = Secondary, Technical & Commercial
- B.E. = Social Education

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

No. of Shifts

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

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

SH-3 = (4)
$$\frac{\text{Total No. of Students (1)} \times \text{Rate of Growth}}{\text{Standard Density}} = \text{No. of Class. in First Sh.}$$

- F = 1. Additional Classroom for year needed to be constructed for future projection of Existing Students Density Level Based on Declared Rate of Growth, working Existing Number of Shifts.
- SH-1. Additional Classrooms needed to be constructed, if the First 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.
- B = No. of years in future

NOTE:
Calculations for each category are not based on the results from other categories. (i.e., SH-1, SH-2 and T do not take into consideration the number needed for F.) The District would construct SH-1 or SH-2 or T, No. of classrooms, not F plus that number.

STANDARD DENSITY:
- 40 P, FF,
- 32 S, General
- 22 E, S, & C.

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7. Deficiencies and Shortages in the Educational Services :

- a- There is only one vacant land assigned to the educational services.
- b- There are no financial resources sufficient to purchase the land.
- c- Expansion is possible but 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 year. In case the second shift is cancelled with the classroom density meeting the standards, an additional 50 classrooms are needed. This means constructing approximately 10 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- Raise the efficiency level of the teachers by means of holding training courses for them.
 - 4- Construct additional classrooms. This depends upon the available expansion potential.
 - 5- Use modern educational aids.
 - 6- Construct a Secondary commercial school for boys in the allocated vacant land.

9. Needs Assessment and Estimated Cost :

(Table E-5)

The total estimated cost is LE 269,000

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Port Said
 District : Port Fouad

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
1- El-Obour Prim. School	- Repair & maintenance of W.C.s - Repair of electricity	3,000 2,000
2- El Nasr Prim. School	- Repair the WC, electricity, doors and windows - Furniture; chairs, desks, teachers' desks and and typing machines	5,500 20,000
3- Youssef Ashour Prim. School	- Maintenance of W.C.s - Maintenance of doors & windows - Maintenance of electricity works	3,000 500 1,000
4- Port Fouad Prep. School for Boys	- Construction of 18 classrooms - Equipment and Furniture - Paving the school's courtyard - Desk saw + Tape saw + Yogurt machine	100,000 8,000 48,000 5,000
5- Port Fouad Sec. School for Boys	- Repair the W.C.s and electricity - Furniture; chairs, and photocopy machines - General maintenance for the building - Fixing the doors & windows	5,000 13,000 20,000 500
6- Port Fouad Sec. School for Girls	- Repair the W.C.s - Repair of electricity - Typing and photocopy machines - Chairs & cupboards	3,000 2,000 5,000 1,500
7- Port Fouad Commercial Sec. Sch. for Girls	- Building and WC maintenance - Equipment	20,000 3,000
	TOTAL	269,000

Health Facilities

1. Policies and Standards of Public Health :

Following are the policies and standards of public health as per Alex. 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.
- c. 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 Service:

- a- The shortages of medical equipment.
- b- There is no land assigned for health services the efficiency level of the health services can be raised by:
 - 1- Support the health facilities by modern medical equipment.
 - 2- Regular maintenance for the existing structures.
 - 3- Provide with the required spare parts for the maintenance of medical equipment.
 - 4- Hold a training courses for the doctors and technicians

4. Needs assessment and Estimated Cost :

(Table H-3)

The total estimated cost amounts to LE 857,495.

Governorate : Port Said
 District : Port Fouad

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
 PUBLIC HEALTH FACILITIES

Date Prepared: 1959

FACILITY		OUT-PATIENT					IN-PATIENT					FACILITY CONDITION (1)								EXP. POT. (2)		
NO.	NAME	SERVICE AREA	AVE. PATS /DAY	PHYSICIAN TECH. STAFF	NURSES GTH. STAFF	TREATMENT	AVE. PATS /DAY	AVERAGE STAY	NL. BEDS	PHYSICIAN TECH. STAFF	NURSES GTH. STAFF	TREATMENT	BUILDING	PHARMACY	ENERG. ROOM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS	WATER SEWER		N.C.S.	
1	Port Fouad General Hospital	Port Fouad	110	65 TOTAL	71/70	Gynaecology Obstetrics Surgery / Orthopedics Urology Dental / Pediatrics Medicine	15	--	10	65	71/70	Same	E	E	E	E	E	E	E	E	E	V

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

ES/H-2PFFS

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Port Said
District : Port Fouad

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
* <u>Port Fouad General Hospital</u>	- Medical equip. and apparatuses	857,495
	TOTAL	857,495

* The description of Health Facilities improvement for Port Fouad General Hospital (Table H-3) is in Arabic report only.

ES/H-3PFP51

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's assumed that the other 20% will 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 31,000.

PUBLIC HEALTH CENTERS

SURVEY SUMMARY & BASIC DATA AND OBSERVATIONS

Governorate : Port Said
 District : Port Fouad

Date Prepared: 1966

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-	Port Said rowing club	Sports/Social	Rowing Activity	1,120	Port Said	10,000	C	B	C	A	C	E	A	H
2-	Port Fouad Youth Club	Sports/Social	All types of Activities	1,600	Port Said	15,000	B	B	C	A	B	A	A	V
NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), E (Serious) (2) Expansion potential - H (horizontal), V (vertical), N (No) - units of m2														

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Port Said
 District : Port Fouad

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LF)
Port Fouad Youth Center	Renovation of the existing structure Renovation and maintenance of the exterior playground Maintenance of the activity hall - Purchasing of equipment including 50 chairs, 20 tables and 10 desks - Sporting instruments to be used in the following activities - Music instruments - Physical Fitness equipment - Sauna equipment	11,000 20,000
	TOTAL	31,000

ES/Y-3PFPS

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