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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

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ENGINEERING AND GEOLOGICAL
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**Needs Assessment Report
For
Education, Health, and Youth Facilities
El Manakh District - Port Said Governorate**

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INTRODUCTION

Introduction

1. Location

El Manakh is one of Port Said's districts.

It's boundaries are as follows

On the East : El Menya St.

On the South: Manzala Lake.

On the West : Port Said Governorate boundaries.

Km 25/43 Port Said / Damietta Road.

On the North : Mediterranean Sea.

2. Area

The area of this district is about 265.57 Km².

3. Population

The population of the district in 1989 is 185,077 assuming continuation of previous growth rates. The district has a commercial and industrial nature.

4. The report components

Section I: Educational Facilities

Section II: Health Facilities

Section III: Youth Facilities

Section I

Educational Facilities

El Manakh district offers educational services to residents through Primary, Preparatory and Secondary schools. There are 41 schools with 803 classrooms accommodating 41,908 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 for each 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 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 (39 Schools)

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

3. School Shifts

- a. 17 schools (41%) have one shift only
- b. 24 schools (59%) have two shifts

4. Educational Facilities Status

(Table E-3)

5. Students Density and Needs for classrooms

(Table E-4)

6. Expected Future increases

2.7% is the expected annual increase.

7. Deficiencies and Shortages in the Educational Services

- a. There is no land allocated for Educational services.
- b. Vacant land is rare.
- c. There are no financial resources to purchase the land even if it is available.
- d. Expansion is only possible in a limited amount which does not meet the expect growth increases.

8. Development Potential in Educational Services

- a. From (Table E-4) the need for classrooms is apparent, according to the projected increase (item 6), in the next 5 years.

If the second shift were to be cancelled, an additional 487 classrooms are needed in order to meet the appropriate density standard for one shift or full day system.

Schools, Physical Condition
Summary Sheet

Governorate: Port Said
District : El Manakh

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	22	18	2	2	-													18	2	2	-	15	5
Preparatory	6	6	-	-	-													6	-	-	-	5	2
Secondary	3	3	-	-	-													3	-	-	-	-	2
Secondary (Technical)	9	6	3	-	-													6	3	-	-	4	3
Special Education	1	-	1	-	-													-	1	-	-	1	-
TOTAL	41	33	6	2	-													33	6	2	-	25 Schools	12 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)

1. Approved: [Signature]
 District: [Text]

CLASSROOM PROVISIONS
 Additional Classrooms Needed to be Constructed

Date Prepared: 1957

Grade	No. of Classrooms	No. of Seats	No. of Students	Density of Seats	No. of Classrooms	No. of Seats	No. of Students	Density of Seats	Standard Density			Additional Classrooms Needed		
									100	125	150	100	125	150
1-5	2000	40	80000	40	850	34000	40	13750	100	125	150	100	125	150
6-8	400	20	80000	20	200	40000	20	20000	100	125	150	100	125	150
9-12	150	20	30000	20	150	30000	20	15000	100	125	150	100	125	150
Total	2550	80	190000	23.5	1200	110000	23.5	46250	100	125	150	100	125	150

- 1. Standard Density
- 2. Additional Classrooms
- 3. Additional Seats
- 4. Additional Students
- 5. Additional Density

- 6. Additional Classrooms Needed to be Constructed for Future Population at Existing Schools
- 7. Additional Classrooms Needed to be Constructed in the First Shift as Declared by the Board of Education
- 8. Additional Classrooms Needed to be Constructed in the Second Shift as Declared by the Board of Education
- 9. Additional Classrooms Needed to be Constructed to Meet Education Department's Students Density Criteria Working the First Shift Based on Declared Rate of Growth
- 10. No. of Years in Future

$$\frac{\text{Total No. of Students} \times \text{Rate of Growth}}{\text{Average Density (2)}} = \text{No. of Classrooms in First Shift} \times \text{No. of Seats}$$

$$\frac{\text{Total No. of Students} \times \text{Rate of Growth}}{\text{Average Density (2)}} = \text{No. of Classrooms in First Shift} \times \text{No. of Seats}$$

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$$\frac{\text{Total No. of Students} \times \text{Rate of Growth}}{\text{Average Density (2)}} = \text{No. of Classrooms in First Shift} \times \text{No. of Seats}$$

Standard Density is based on the rate of growth of the population of the district as of 1957. The Board of Education will determine the rate of growth of the population of the district as of 1957. The District will construct 1000 or more additional classrooms in the next five years.

STANDARD DENSITY:

- 100 S.E. 1st
- 125 S.E. General
- 150 S.E. 2nd

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This number takes into consideration the rate of growth for the upcoming 5 years.

This means constructing approximately 97 classrooms per year.

- b. Increase the funds allocated for maintenance work.
- c. Provide equipment and furniture for classrooms, labs and workshops.
- d. Construction of additional classrooms. This depends upon the available expansion potential.
- e. Raise the efficiency level of teachers by means of holding training courses for them.
- f. Use modern educational aids.

9. Needs Assessment and the estimated cost:

(Table E-5)

The total estimated cost is LE 612,185.

Governorate : Port Said
 District : El Manakh

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATION FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
1. El Shaimaa / El Khansaa	Procurement of chairs	3,750
	Procurement of cupboards	120
	Procurement of teachers desks	400
2. Omar Makram / Abbas El Akkad	Procurement of teachers desks	3,750
	Procurement of chairs	350
3. El Naser / Salah El Din	Procurement of chairs	4,500
	Procurement of Desks	350
	Procurement of teachers desks	300
4. El Salam / El Aasher Min Ramadan	Procurement of chairs	3,750
5. El Kuwait / Rafaa El Tahtawi	Procurement of desks	350
	Procurement of chairs	3,750
6. Omar Bin El Khattab / El Farouk	Procurement of chairs	2,250
	Procurement of teachers desks	300
	Procurement of desks	350
7. Khaled Bin El Walid / Mohamed Karim	Construction of 6 classrooms	78,000
	Procurement of desks	3,750
8. Nabil El Wakkad / Mohamed Karim	Construction of 6 classrooms	78,000
9. El Manakh / Mohamed Sarhan	Procurement of desks	3,750
	Construction of 3 classrooms	39,000
10. Molhaket El Moalemat / Port Said	Procurement of desks	3,000
	Construction of 6 classrooms	78,000
11. Osman Bin Affan / Ahmed Orabi	Construction of 6 classrooms	78,000
	Procurement of desks	3,750
12. El Shahid El Santi / El Zahraa	Procurement of desks	3,750
	Construction of 3 classrooms	39,000
	Procurement of chairs	700

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Governorate : Port Said
District : El Manakh

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATION FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
13. Tarik Bin Zyad / El Fateh	Procurement of chairs Procurement of desks Construction of 3 classrooms	350 3,750 39,000
14. El Shohada / El Shahid Abdel Mokadem	Construction of 3 classrooms Procurement of chairs Procurement of desks	39,000 700 3,750
15. Naser / El Salam	Procurement of teacher desks Procurement of chairs	320 3,750
16. El Fakria	Construction of 4 classrooms Procurement of Audio-Phones.	52,000 1,600
17. Port Said Sec. School	Procurement of desksclassroom	15,000
18. Nabil Mansour Prim. School	Procurement of desksbs Teacher's desks	10,875 120
19. El Zhour Prim. School	Procurement of desks	3,750
20. El Amin Prim. School	Procurement of desks	1,500
21. Port Said Industrial for girls	Procurement of desks	3,750
	Total	612,185

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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 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. Four 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 services.

Also, the efficiency level of the health services can be raised by:

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

4. Needs Assessment and estimated Cost:

(Table H-3)

The total estimated cost amounts to L.E.709,900.

Governorate : Port Said
 District : El-Manakh

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
1. El-Ramad Hospital	<ul style="list-style-type: none"> - Surgical Microscope for operations. - Purchasing of 30 beds. - Purchasing of 30 closets. - Purchasing of 10 big tables. 	
2. El-Kuwait medical Center	<ul style="list-style-type: none"> - X-ray apparatus and preparing of Radiology room. - 10 Sphygmomanometers. - 10 Stethoscopes. - 4 Fetal Stethoscopes. - Sconogram apparatus - Preparing and equipping an operation room. - 100 Chairs. - 10 Desk fans. - 10 Desks. - 10 Cupboards. - Construction of fence around the center. - General maintenance. 	40,000
3. El-Manasra Rurla Unit	<ul style="list-style-type: none"> - Reconstructing the building. 	120,000
4. Fever Hospital	<ul style="list-style-type: none"> - Complete the construction of 4 rooms for out-patient clinic. - Sonogram apparatus. - Electric oven - Preparing an air-conditioned room for the sunstroke cases. - Purchasing of 5 refrigerators. - Purchasing of 10 Sphygmomanometers. - Purchasing of 100 Stethoscopes. - Providing W.C. with hotwater. 	40,000 50,000 35,000 12,000 5,000 200 200 5,000

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Governorate : Port Said
 District : El-Manakh

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
5. El-Manakh School Health Center	<ul style="list-style-type: none"> - Preparing of dressing room. - Preparing and equipping the Lab. - Purchasing of furniture. 	- 2,000 -
6. M.M.R. Unit (Mass-Miniature-Radiography Unit)	<ul style="list-style-type: none"> - M.M.R. unit - Bag for Immunizations. - Immunological syringes. - Need false teeth. - X-ray apparatus for M.M.R. 	160,000 500 1,000 1,000 100,000
7. El-Nasr Public Hospital	<ul style="list-style-type: none"> - Gastro-Scope apparatus - Diatrics apparatus with 400 watt power. - Orthopedics apparatus. - Portable X-ray apparatus. - Ultrasonic apparatus for Physio-Therapy. - Colonoscope apparatus, with accessories. - Laringoscope apparatus. 	45,000 9,000 15,000 18,000 8,000 35,000 8,000
	TOTAL	709,900

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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 1,198,850.

YOUTH CENTERS

EL-ZOHAR AND EL-ZOHAR YOUTH CENTERS

El-Zohar - Fort Saida
Director - El-Zohar

Date Program - 1977

NO.	NAME	TYPE OF PROJECT	ACTIVITIES PROVIDED	BUDGET	CITY/TOWN	APPROXIMATE POPULATION SERVED	PROJECT COSTS					TOTAL SERVED	EVALUATION	EXPANSION POTENTIAL
							PERSONNEL	MATERIALS	TRAVEL	OTHER	TOTAL			
1	Fort Saida Club	Sports & Social	Recreation	20	El-Zohar	10,000	1	1	1	1	1	1	1	1
2	Summer Sports Club	Sports & Social		500	Fort Saida	5,000	1	1	1	1	1	1	1	1
3	Fort Saida Stadium	Sports & Social		25,000	Fort Saida	25,000	1	1	1	1	1	1	1	1
4	El-Zohar Youth Center	Sports & Social		200	El-Zohar	200	1	1	1	1	1	1	1	1
5	El-Shade Youth Center	Sports & Social		5,000	El-Zohar	5,000	1	1	1	1	1	1	1	1
6	El-Zohar Youth Center	Sports & Social		1	El-Zohar	1	1	1	1	1	1	1	1	1
7	El-Mansara Youth Center	Sports & Social		25	El-Mansara	25	1	1	1	1	1	1	1	1
8	The Scouters	Sports & Social		5,000	El-Zohar	5,000	1	1	1	1	1	1	1	1
9	Popular Area	Sports & Social		2,000	El-Zohar	2,000	1	1	1	1	1	1	1	1

NOTE: 1. Personnel includes all staff, including administrative staff.
2. Material includes all supplies, including consumables.

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APPENDIX

Governorate : Port Said
 District : El-Manakh

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
1. Port Said Club	- Equipment	76,350
2. Port Said Stadium	- Equipment	448,500
3. The Scouting Camp	- Construction of additional Unit. - Construction of W.C.	222,000 40,000
4. The Popular area	- Construction of a new administration building	169,000
5. El-Shatea Youth Center	- Construction preparation of the court yard (playground). - Construction of lockers	243,000
	Total Cost	1,198,850

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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