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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

DELOITTE HASKINS AND SELLS
ENGINEERING AND GEOLOGICAL
CONSULTING OFFICE

**Needs Assessment Report
For
Educational, Health and Youth Facilities
Suez District - Suez Governorate**

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INTRODUCTION

Introduction

1. Location:

The Suez district is one of the Suez Governorate Districts. This district is regarded as one of the elegant districts, with wide streets, a large area of greenery and parks, and it also includes most of the administrations, utilities & services.

This district is situated in the East side of Suez Governorate and it starts from El Arbeen kism on the West and extends to Port Tawfik and Houd El Dars on the East, and from the old Kornish on the North to Petrojet company on the South.

2. Area:

The area of this district is about 20 km².

3. 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 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 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 (22 Schools):

(Table E-2)

3. School Shifts:

- a. (10) schools (45%) operate one shift only.
- b. (12) schools (55%) operate two shifts.

4. Educational Facilities Status :

(Table E-3)

5. Student Density and Needs for Classrooms :

(Table E-4)

6. Expected Future Increases :

The expected future increase is 2.7% annually.

Governorate : Suez
District : Suez

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	Port Tawfik	G	P/Pr	B	14	611	44	9	261	29				B	A	B	B	N
2	El Enam El Shafie	G	P	B	9	433	48	9	425	47				B	A	B	B	N
3	Mohamed Hafez	G	P	B	13	567	44							B	A	B	B	N
4	Kasem Amin	G	P	B	12	497	41	12	474	40				B	A	B	B	N
5	El Kanah	G	P	B	11	485	44	11	407	37				B	B	B	C	N
6	El Ansary	G	P	B	10	389	39	11	358	33				B	A	B	B	H
7	Salah El Din	G	P	B	11	362	33	11	358	33				B	A	B	C	V
8	Suez El-Kadima	G	Pr	M	22	961	44							C	B	C	D	H
9	Suez El-Gedida	G	Pr	M	18	683	38	10	369	37				B	B	A	B	V
10	Suez El-Kadima	G	Pr	F	24	880	37							B	A	B	B	V
11	Molhak El-Suez El-Kadima	G	Pr	F	Previously - Dar El Moallemein & Moallemat									B	A	B	A	V
12	Suez El-Haditha	G	Pr	F	17	642	38							B	A	B	C	V
13	El Arbeen	G	Pr	F	9	325	36	8	328	41				B	A	B	B	N
14	Suez Military School	G	S	M	28	877	31							B	A	9	B	H
15	Suez	G	S	F	30	1073	36							A	A	B	A	N
16	Suez Commercial / Vocational Preparatory School	G	Pr/S	M	4	114	29	16	1113	70				B	B	B	B	N
17	6th of October - Commercial	G	S	M	11	225	20							B	A	B	B	N
18	Suez Commercial - Secondary School	G	S	F	23	650	28							B	A	B	B	N
19	Suez Industrial	G	S	M	22	618	28	14	495	35				B	A	B	B	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 : Suez
District : Suez

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.					
20	Suez - Marine (Military School)	G	S	M	19	638	34	12	396	33				A	A	B	C	H
21	Suez - Technical	G	S	F	21	797	38	13	470	36				A	A	A	A	N
22	El Khalilia Language School	G	S	B	12	394	33							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

Schools, Physical Condition
Summary Sheet

Governorate: Suez
District : Suez

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	1	6	-										1	6	-	-	6	6
Preparatory / Primary	1	-	1	-										-	1	-	-	-	-
Preparatory	6	-	5	1										-	5	1	-	42	2
Preparatory / Secondary	1	-	1	-										-	1	-	-	-	-
Secondary	7	3	4	-										3	4	-	-	-	9
TOTAL	22	4	17	1										4	17	1	-	48 classrooms	17 classrooms

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)

Department: E-1
 Division: E-1

ACADEMIC PERFORMANCE
 Academic Report on the Department

Fiscal Year: 1999

Year	Department: E-1										Academic Performance									
	Grade 10 (1998)					Total					Department: E-1					Department: E-1				
	No. of Class	No. of Students	Average Score	Standard Deviation	Grade Point Average	No. of Class	No. of Students	Average Score	Standard Deviation	Grade Point Average	No. of Class	No. of Students	Average Score	Standard Deviation	Grade Point Average	No. of Class	No. of Students	Average Score	Standard Deviation	Grade Point Average
1998	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
1999	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2000	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2001	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2002	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2003	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2004	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2005	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2006	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2007	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2008	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2009	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2010	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2011	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2012	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2013	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2014	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2015	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2016	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2017	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2018	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2019	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2020	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2021	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2022	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2023	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2024	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2025	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2026	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2027	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2028	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2029	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75
2030	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75	1	100	75	10	75

E-1: English
 E-2: Mathematics
 E-3: Science
 E-4: Social Studies
 E-5: Foreign Languages
 E-6: Art
 E-7: Music
 E-8: Physical Education
 E-9: Health
 E-10: Career Education

- 1. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 2. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 3. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 4. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 5. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 6. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 7. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 8. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 9. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.
- 10. Academic Performance is based on the Department's Academic Report on the Department's Academic Performance.

$\frac{\text{Total No. of Students in the State of Georgia}}{\text{Average Score}} = \text{No. of Class in First State}$	$\frac{\text{Total No. of Students in the State of Georgia}}{\text{Average Score}} = \text{No. of Class in First State}$
$\frac{\text{Total No. of Students in the State of Georgia}}{\text{Average Score}} = \text{No. of Class in First State}$	$\frac{\text{Total No. of Students in the State of Georgia}}{\text{Average Score}} = \text{No. of Class in First State}$
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$\frac{\text{Total No. of Students in the State of Georgia}}{\text{Average Score}} = \text{No. of Class in First State}$	$\frac{\text{Total No. of Students in the State of Georgia}}{\text{Average Score}} = \text{No. of Class in First State}$
$\frac{\text{Total No. of Students in the State of Georgia}}{\text{Average Score}} = \text{No. of Class in First State}$	$\frac{\text{Total No. of Students in the State of Georgia}}{\text{Average Score}} = \text{No. of Class in First State}$

NOTE:
 - Data on the test with reference are not based on the results from other categories: E-1, E-2, E-3, E-4, E-5, E-6, E-7, E-8, E-9, E-10. The Department's Academic Report on the Department's Academic Performance.

- STANDARD CATEGORIES:
- 1st State
 - 2nd State
 - 3rd State

7. Deficiencies and Shortages in The Educational Services:

- a. Absence of land allocated for the educational services.
- b. Scarcity of vacant land.
- c. Deficiency of financial resources for purchasing land, if available.
- d. The limited ability of expansion does not cover the expected future increases.

8. Development Potential in Educational Services:

- a. (Table E-4) shows the educational requirements during the coming five years according to the expected future increases (Item 6). We may conclude that the total number of classrooms that have to be constructed while cancelling the 2nd shift and maintaining the standard rate is 199 classrooms, that is approximately 40 classrooms per year.
- b. Increase the funds allocated for maintenance.
- c. Providing equipment and furniture for classrooms, labs. & workshops.
- d. Construct of additional classrooms according to the available expansion potential.
- e. Boosting the efficiency level of teachers by means of conducting specialized teachers training courses for them.
- f. Use of modern educational aids.

9. Needs Assessment and Estimated Cost :

(Table E-5)

The total estimated cost amounts to L.E. 1,015,000.

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
District : Suez

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
1 Port Tawfik (Prim. + Prep.)	Restoration of W.C.s (internal sanitary & potable water pipes) + painting of blackboards & classrooms + changing the tiles of the ground floor + repair of wooden doors and windows.	8,000
2 El Emam El Shafie Primary (2 shifts)	Restoration of W.C.s (internal sanitary & potable water pipes) + painting of blackboards and classrooms and facades + replacing the tiles of the ground floor + repair of wooden doors & windows.	9,000
3 Mohamed Hafez - Primary	Restoration of W.C.s (internal sanitary & potable water pipes) + painting of blackboards and classrooms + repair of wooden doors & windows + changing the tiles of the ground floor.	9,000
4 Kasem Amin / El Horreya - Primary	Restoration of W.C.s (internal sanitary & potable water pipes) + painting of blackboards & classrooms + repair of wooden doors & windows + renovation of the internal electricity network.	9,000
5 El Kanah Primary (2 shifts)	Restoration of W.C.s (internal sanitary & potable water pipes) + painting of blackboards & classrooms + repair of wooden doors & windows + construction of a new sanitary pipe line to connect the external with the internal.	9,000
6 El Ansary Primary School (2 shifts)	Construction of 6 complete classrooms + restoration of W.C.s + painting of blackboards & classrooms + repair & renovation of wooden doors & windows.	80,000

ES/E-5Suez1

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
District : Suez

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
7 Salah El Din - Primary (2 shifts)	Construction of 6 classrooms + restoration of W.C.s & the whole school building (painting the building interior & exterior)	65,000
8 Suez El-Kadima (Prep. for Boys)	Construction of 2 complete W.C.s + restoration of the old building (external & internal paintings) + demolition of the old building + construction of 2 classrooms (on the ground & 1st floor).	50,000
9 Suez El-Gedida (Prep. for Boys)	Construction of 6 classrooms + restoration of W.C.s + changing of tiles of the ground floor + painting of blackboards and classrooms + changing the internal electric network.	50,000
10 Suez El-Kadima (Prep. for Girls)	Construction of 12 classrooms (vertical addition) + restoration of W.C.s (internal sanitary & potable water pipes) + replacing the tiles + painting the blackboards and classrooms + repair of wooden windows & doors.	180,000
11 Suez El-Kadima (Prep. for Girls) Annex building (Previously the Suez - Dar Moallemat)	Construction of an additional 1st & 2nd floors (6 classrooms on each floor) + restoration of classrooms (painting) + changing the ground floor tiles.	160,000
12 Suez El-Haditha (Prep. for Girls.)	Construction of 6 classrooms (on the 1st floor) + 6 classrooms (on the 2nd floor) + 2 W.C.s + repair of the internal electric network.	180,000
13 El Arbeen Prep. School for Girls.	Restoration of W.C.s (sanitary & potable water pipes) + replacement of some sanitary units + repair of wooden doors & windows + painting of classrooms, blackboards and facades	9,000

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
District : Suez

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
14 Suez Military Secondary School	Construction of 6 classrooms (2 on the ground floor + 2 on the 1st floor + 2 the on 2nd floor + restoration of the social building + W.C.s in it. (2 W.C.s) + restoration of schools W.C.s + painting of blackboards & classrooms.	50,000
15 Suez Commercial Secondary School	Restoration of W.C.s (internal sanitary & potable water pipes) + painting of blackboards, classrooms and corridors + replacing the ground floor tiles + repair of wooden doors & windows + repair of the electric network	9,000
16 6th of October - Secondary for Boys (Commercial)	Restoration of W.C.s (sanitary & potable water pipes) + painting of classrooms & blackboards + replacement of tiles (ground floor) + repair of wooden windows & doors.	8,000
17 Suez Commercial Secondary for Girls	Restoration of W.C.s (sanitary & potable water pipes) + painting of classrooms + repair of wooden doors and windows + replacing the tiles of the ground floor (0.30 x 0.30 x 3cm)	8,000
18 Suez Industrial - Secondary for Boys	Restoration of W.C.s (internal sanitary & potable water pipes) + painting of classrooms & corridors + replacing the tiles of the ground floor + repair of wooden doors & windows + repair of some electric wires.	8,000
19 Suez Marine (Military School) Secondary for Boys	Construction of 9 classrooms (3 on the ground floor + 3 on the 1st floor + 3 on the 2nd floor) + restoration of W.C.s (sanitary & potable water pipes) + construction of sanitary drainage cess pool + painting of classrooms & blackboards.	100,000

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez

EDUCATIONAL FACILITIES

District : Suez

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
20 Suez - Technical Secondary School for Girls	Restoration of W.C.s and replacement of the deteriorating potable water pipe lines + changing the ground floor tiles.	5,000
21 El-Tagribia Languages School (El-Rasmin)	Restoration of W.C.s (sanitary & potable water pipes + painting of blackboards + changing the workshop's floor tiles + repair of (4) wooden windows + painting the workshop (interior walls) + repair of the internal electric network for the workshop.	9,000
TOTAL		1,015,000

ES/E-5Suez4

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 each 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- One health unit for each 10,000 persons.
- e- One urban health unit consisting of an out-patient clinic, a school health unit, a health office and a mother/child care center for each 50,000 persons.

2 Health Facilities :

(Table H-2)

3 Deficiencies, Shortage and Development Potential in Health Services:

- a- Deficiency of medical equipment.
- b- Deficiency of allocated land.

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

- 1- Supplying the health facilities with the required equipment.
- 2- Periodic maintenance of health facilities.
- 3- Supply of medical equipment spare parts.
- 4- Conducting training courses for doctors and technicians.

4 Needs Assessment and Estimated Cost :

(Table H-3)

The total estimated cost amounts to L.E. 2,054,300

Governorate : Suez
 District : Suez

SUMMARY OF STATISTICAL DATA AND OBSERVATIONS FOR
 PUBLIC HEALTH FACILITIES

Date Prepared: 1959

No.	FACILITY NAME	TYPE OF FACILITY	OUT-PATIENT				IN-PATIENT				FACILITY CONDITION (1)							STC. POT. (2)			
			NO. OF CONSULTATIONS	NO. OF PATIENTS	TREATMENT	NO. OF CONSULTATIONS	NO. OF PATIENTS	TREATMENT	GOOD	FAIR	POOR	VERY POOR	NO WATER SUPPLY	NO SEWERAGE	NO DRAINAGE						
1.	Suez General Hospital	Gen. Hosp. (Res. Sec. + Sick + Small)	579	165 M., 21 F.	124 M., 222 F.	General	250	17	400	Gen.	Gen.	General	D	F	B	D	E	A	E	D	H
2.	Suez Chest Hospital	Spec. Hosp. (Infectious Diseases)	110	9 M., 7 F.	11 M., 21 F.	Chest diseases	0	40	125	Spec.	Spec.	Chest diseases	D	E	-	D	E	-	E	D	H
3.	Suez Fever Hospital	Spec. Hosp.	10	27 M., 2 F.	10 M., 24 F.	Infectious diseases	0	7	80	-	-	Infectious diseases	F	F	-	E	F	-	D	F	G
4.	Suez Health Office	Spec. (District Hospital)	-	1 M., 2 F.	7 M., 9 F.	General	-	-	-	-	-	-	E	-	-	F	-	-	E	F	A
5.	Endeemic Branch in Suez	Spec. Hosp.	47	1 M., 1 F.	1 M., 2 F.	Check up Treatment of Endemic diseases	-	-	-	-	-	-	D	D	-	F	E	-	E	D	H
6.	Nutritionists Check-up Center	Spec. Hosp.	21	1 M., 2 F.	1 M., 1 F.	Diagnosis of malnutrition	-	-	-	-	-	-	D	-	-	D	-	-	F	F	G
7.	The School age health Group - Suez	Spec. district	81	24 M., 5 F.	24 M., 12 F.	School age diseases	-	-	-	-	-	-	D	D	-	D	E	-	E	D	A

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)
 (2) Expansion potential - H (horizontal), V (vertical), N/A (None)

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
District : Suez

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
1- Suez General Hospital.	<ul style="list-style-type: none"> - Restoration and painting the hospital's building + repair of all W.C.s + construction of a new completed section of 3 stories for reception and emergency with an operation theatre. This new building is to provide 30 beds. - Purchasing a boiler (capacity = 1500 pounds) and water tanks & water pumps + replacing the steam pipe lines + purchasing a washing machine (capacity = 60 pounds) + purchase of dryers + incinerators for burning the waste + Physio-therapy apparatuses + wheeled chairs for transporting the patients + Radiology apparatus (Made in West Germany) + apparatus for measuring the hearing ability + apparatus for an artificial kidney lab. + Flamotometer apparatus + Clordmeter apparatus water basin + blood refrigerator + chemical materials. 	1,414,800
2- Chest Hospital - Suez.	<ul style="list-style-type: none"> - Broncho-scope + computerized radiology apparatus + Dental tools + Dental equipment + a complete radiology apparatus (ramgran) + I.B. culture apparatuses + 2 Cardiographic apparatuses. - Construction of 4 wards (50m long & 20m width) + construction of warehouses + 4 rooms for physicians and administrative persons + construction of 15 W.C.s for the new wards + painting & restoring the hospital's building & W.C.s + construction of a new sanitary & potable water networks + repair of doors & windows + installation of glass & window's screens for the patients' rooms + cleaning the vacant area of the garbage and plants + purchasing of (4 desks + 15 chairs + 5 sharons + deepfreezer + 3 refrigerators (8 feet) + 100 fixed chairs + 6 fans + 2 wall fans+ 3 carpets + 6 coloured T.V.s (20 inches) 	321,000

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
District : Suez

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
3- Suez Fever Hospital	Repair of doors & windows + painting & restoring the building + repair of the steam boilers + construction of the physicians' residence + construction of hospital's warehouses + construction of the Quarantine vehicle's garage + construction of the hospital's fence + Purchasing (4 wheel chairs for moving the patients + 20 chairs.	301,000
4- Suez Health Office	Painting & restoration of the building + installation of wall tiles for the W.C.s + purchasing (serums refrigerator + Opto-scope + 4 fans + stove (4 burners) + drapes and carpets for 5 rooms + electricity panel	14,000
5- Nutritionists Check up Center	Restoration & painting of the building & W.C.s + construction of a wall between the lab. & the administration office + repair of doors & windows + providing the building with appropriate lighting + purchasing of (2 desks + 10 chairs + closet <ideal>)	3,500
TOTAL		2,054,300

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. 375,000.

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Suez

District : Suez

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
El Hadina Youth Center - The Athletic Stadium	<ul style="list-style-type: none"> - Construction of wrestling hill - Upgrading the youth hostel (affiliated to the stadium) - Renovation & construction of sanitary drainage net work. 	265,000
The Suez Youth - Youth Center	<ul style="list-style-type: none"> - Construction of a summer resort & tourist coast - Construction of a workshop - Construction of the tennis playground & its lighting. - Renovation of locker rooms & W.C.s - Completing the construction of the covered hall. - Upgrading the center's furniture. 	110,000
TOTAL		375,000

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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