

PN-ABQ-903

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
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CONSULTING OFFICE

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

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

INTRODUCTION

Introduction

1. Location :

Attaka is one of the modern districts as it was constructed in Suez in the wake of the glorious October War, for the Suez returning immigrants whose houses were wrecked during the war.

Attaka is a housing and industrial district and it includes Fissal city, El-Sabbah city, Craftsmen city, the 24th of October city, El-Moushy city, The Future city, El-Ammal city, The industrial area in El-Zaytiat and El-Semad area.

2. Arca:

Boundaries

Attaka district includes 2 kisms, they are as follows:

- Fissal police kism
- Attaka police kism

This was established upon the Ministerial decree No. 63 for 1987 to redistribute Suez Governorate into 4 districts.

3. Population :

The population amounts to 150,000 persons approximately, most of the residents are of the low income population, with a few high income residents.

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 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 :

(Table E-2)

3. School Shifts:

- a. (4) schools (21%) operate one shift only.
- b. (13) schools (68%) operate two shifts.
- c. (2) schools (11%) operate three 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 : Attaka

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	Khaled Ebn El Walid / El Eiman	G	P	B	22	1008	46	22	811	37				A	A	B	B	H
2	El Nasr	G	P	B	10	413	41	10	405	41				B	A	B	B	H
3	El Shahid Ibrahim Soliman	G	P	B	12	533	44	12	502	42				B	A	B	B	H
4	El Sahid Ashraf Abdel Daiem	G	P	B	14	632	45	13	482	37				A	A	B	B	H
5	El Malek Fisal	G	P	B	12	461	38	12	358	30				A	A	B	B	H
6	El Hegaz / El Shahid Ahmed Abu Mashen	G	P	B	13	574	44	13	553	43				B	A	B	C	V
7	El Sabbah	G	P	B	20	917	46	19	795	42				B	A	B	B	N
8	El Gomhoria	G	P	B	17	699	41	15	597	40				B	A	B	B	V
9	24th of October / 15th of May.	G	P	B	15	767	51	15	766	51				A	A	B	A	H
10	El Addabia	G	P	B	6	222	37	--	---	--				A	A	B	A	H
11	Salah Mesim	G	P/P/Pr.	B	7	334	48	6	293	49	9	304	34	B	A	B	B	H
12	El Maamel	G	P/P/Pr.	B	8	396	50	13	614	47	7	296	42	B	A	B	B	N
13	El Malek Fisal	G	Pr.	M/F	23	797	35	23	833	36				A	A	B	B	V
14	El Sabbah	G	Pr.	M/F	24	1042	43	24	1090	45				A	A	B	B	N
15	El Nasr	G	Pr.	B	12	459	38	--	---	--				B	A	B	B	N
16	El Salam	G	S	B	24	656	27	--	---	--				A	A	B	B	H
17	El Sabah commercial	G	S	F	23	684	30	--	---	--				A	B	B	B	N
18	Moallimein & Moallimat El- Sabbah	G	S	B	33	1266	38	2	64	32				A	A	B	A	H
19	Secondary - Technical	G	S	F	18	623	35	11	432	39				A	A	A	C	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)

Schools, Physical Condition
Summary Sheet

Governorate: Suez
District : Attaka

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	10	5	5	-														5	5	-	-	3	34
Primary / Preparatory	2	-	2	-														-	2	-	-	-	6
Preparatory	3	2	1	-														2	1	-	-	4	6
Secondary (General)	2	2	-	-														2	-	-	-	-	28
Secondary (Commercial & Technical)	2	2	-	-														2	-	-	-	-	48
TOTAL	19	11	8	-														11	8	-	-	7	122
																						classrooms	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)

ES/E-3Atka1

Grade	1965-66					1966-67					1967-68					1968-69				
	No. of Class	Avg. No. of Students	Total	Standard Density	No. of Classes	No. of Class	Avg. No. of Students	Total	Standard Density	No. of Classes	No. of Class	Avg. No. of Students	Total	Standard Density	No. of Classes	No. of Class	Avg. No. of Students	Total	Standard Density	No. of Classes
P.	156	455	70,380	451	451	156	455	70,380	451	451	156	455	70,380	451	451	156	455	70,380	451	451
Ev.	80	1000	80,000	1000	80	80	1000	80,000	1000	80	80	1000	80,000	1000	80	80	1000	80,000	1000	80
Z.	57	1600	91,200	1600	57	57	1600	91,200	1600	57	57	1600	91,200	1600	57	57	1600	91,200	1600	57
T.	41	1700	69,700	1700	41	41	1700	69,700	1700	41	41	1700	69,700	1700	41	41	1700	69,700	1700	41
Total	334	12445	371,260	12445	334	334	12445	371,260	12445	334	334	12445	371,260	12445	334	334	12445	371,260	12445	334

- P. - Pregrade
- Ev. - Elementary
- Z. - Secondary
- T. - Secondary Technical & Vocational
- S.E.A. - Special Education

Sh.1

Total No. of Students	111	No. of Classes	No. of Classes
Average Density	111		

Sh.2

Total No. of Students	111	No. of Classes	No. of Classes
Average Density	111		

Sh.3

Total No. of Students	111	No. of Classes	No. of Classes
Average Density	111		

Sh.4

Total No. of Students	111	No. of Classes	No. of Classes
Standard Density	111		

- Additional classroom facilities needed to be constructed and future population of existing students (density) based on the year 1968-69 report, showing the year 1968-69.
- Additional classroom facilities needed to be constructed and future population of existing students (density) based on the year 1968-69 report, showing the year 1968-69.
- Additional classroom facilities needed to be constructed and future population of existing students (density) based on the year 1968-69 report, showing the year 1968-69.
- Additional classroom facilities needed to be constructed and future population of existing students (density) based on the year 1968-69 report, showing the year 1968-69.
- Additional classroom facilities needed to be constructed and future population of existing students (density) based on the year 1968-69 report, showing the year 1968-69.

NOTES:

- 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 higher need for S.E.A. The District would construct Sh.1 or Sh.2 or T. No. of classrooms, and P plus any higher.

- STANDARD DENSITY:
- 140 P, Ev.
 - 170 S. Elementary
 - 150 S.E.A. & Z.

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7. Deficiencies and Shortages in The Educational Services:

- a. Absence of land assigned to the educational services.
- b. Scarcity of vacant land.
- c. Absence of financial resources to purchase land if available.
- d. The limited expansion ability does not cover the projected increases.

8. Development Potential in Educational Services:

- a. From (Table E-4) the need for classrooms is apparent according to the expected future increases (Item 6) for the five coming years. Thus we conclude that the total number of classrooms to be constructed in order to face the expected future increases, cancel the 2nd and 3rd shifts while maintaining the standard rate is (325) classrooms, that is 65 classrooms per year.
- b. Increase the funds allocated for maintenance.
- c. Provide adequate equipment and furniture for labs. & workshops.
- d. Construct additional classrooms according to 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 Estimated Cost :

(Table E-5)

The total estimated cost amounts to L.E. 1,183,942

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
 District : Attaka

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
1. Khaled Ebn El-Walid + El-Eiman Primary Schools	Restoration & repair of W.C.s + ground floor tiles repair + construction of 6 classrooms (on the ground floor) + construction of 6 classrooms (on the 1st floor).	62,000
2. El-Wasr Primary School (2 shifts)	Construction of (3) additional classrooms on the ground floor + 3 classrooms on the 1st floor + restoration of W.C.s & the tiles of the ground floor	30,000
3. Ibrahim Soliman Primary School (2 shifts)	Restoration & repair of W.C.s + changing the sanitary & potable water pipes + painting the blackboards & classrooms' walls + repair of the classrooms' wooden doors & repair of glass.	18,000
4. Ashraf Abdel Daiem Primary School (2 shifts)	Repair & restoration of the sanitary & potable water pipes inside the building + changing the walls' ceramic (0.15 x 0.15) + painting the blackboards & classrooms + changing the tiles of the ground floor (Mosaic) (0.20 x 0.20).	15,000
5. El Malek Faisal Primary School (2 shifts)	Restoration of sanitary & potable water pipes + replacement of walls' ceramic (0.15 x 0.15) + painting the blackboards & classrooms & bathrooms' ceilings + replacement of the ground floor tiles (Mosaic) (0.25 x 0.25) + replacement of the classrooms' doors.	25,422
6. El-Hegaz + Ahmed Abu Hashem Primary Schools.	Replacement of the outer sanitary & potable water pipes + painting the blackboards and classrooms + fixing the deteriorating pavements with concrete and tiles (0.20 x 0.20) + replacement of the mosaic tiles of the ground floor.	25,000

ES/E-5Attaka1

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
District : Attaka

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
7. El-Sabbah Primary School (2 shifts)	Renovation of the external sewerage line + and potable water pipes + painting the blackboards & classrooms + renovation of the ground floor tiles (0.20 x 0.20).	28,000
8. El Gomhoria Primary School (2 shifts)	Changing the tiles of the ground floor (0.20 x 0.20) + restoration of W.C.s + changing the classrooms' doors + construction of 3 classrooms on the 2nd floor.	45,000
9. 24th of October + 15th of May Primary Schools	Construction of 12 classrooms.	110,000
10. El Addabia Primary School.	Restoration of the old building: Painting the classrooms + facade + polishing of wooden works + construction of 4 classrooms (2 on the ground floor + 2 on the 1st floor).	50,000
11. Salah Nesim Primary School-Mixed (2 shifts)	Restoration of W.C.s + painting the blackboards & classrooms + pouring of plain concrete and tiling the area around the building + changing the tiles of the ground floor + renovation of electric wires + construction of 6 classrooms (3 on the ground floor + 3 on the 1st floor).	80,000
12. El Maamal Primary & Preparatory School (2 shifts)	Restoration of W.C.s & changing the potable & sanitary drainage pipes (internal) + painting the classrooms + blackboards + some of the deteriorating classrooms' doors.	12,000

ES/E-5Attaka2

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
District : Attaka

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
13. Fisal Preparatory School (Boys + Girls)	Restoration of W.C.s + changing the deteriorating potable & sanitary drainage pipes + painting the blackboards & classrooms + changing the tiles, plain concrete & tiles around the building.	23,520
14. El Sabbah Preparatory School (Boys + Girls)	Raising the school's fence + painting the blackboards & classrooms + restoration of W.C.s + changing the ground floor tiles (0.20 x 0.20)	25,000
15. El-Nasr Mixed School.	Restoration of W.C.s + painting the blackboards & classrooms.	8,000
16. El-Salam Secondary School. (Mixed)	Repair of W.C.s + painting the blackboards & classrooms + changing the tiles of the ground floor + construction of 12 classrooms (6 on the ground floor + 6 on the 1st floor.)	90,000
17. El-Sabbah Secondary School - Commercial for Girls	Restoration & repair of W.C.s + changing the tiles of ground floor + painting the blackboard & classrooms + construction of 5 W.C.s + pavement of the sidewalks surrounding the building (tiles) + construction of a corridor connecting the 2 new buildings in the 1st floor to facilitate the movement of the teachers & students + pouring of cement blocks (divided as 1m x 1m) for the school's playground and making divisions.	53,000
18. Dar El-Moallimein & Moallimat El Sabbah + El-Tagribia Secondary School	Construction of 16 classrooms (on the ground floor, 1st floor and 2nd floor)	164,000

ES/E-5Attaka3

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Suez
 District : Attaka

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
19. El-Senaet Secondary School for Girls (Previously called: El-Salam Secondary School - in El-Herrafien)	Construction of a new school building consists of 16 classrooms on (ground floor, 1st floor & 2nd floor) + addition of 32 classrooms on the 2nd floor & replacement of the deteriorating tiles of the ground floor.	320,000
TOTAL		1,183,942

ES/E-5Attaka4

Section II

Health Facilities

1 Policies and Standards of Public Health:

The following are the policies and standards of public health as per Alexandria Governorate Health Dept. in 1983.

- a- Average number of beds in a 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 for each 200,000 persons.
- e- One health unit 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- Deficiency of medical equipment.
- b- Absence of allocated land.

The efficiency level of the health services can be raised by means of:

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

4 Needs Assessment & Estimated Cost :

(Table H-3)

The total estimated cost is not prepared by the district's officials.

Environment : Sur
District : Attava

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIES

Date Prepared: 1982

No.	FACILITY NAME	OUT-PATIENT				IN-PATIENT							FACILITY CONDITION (1)							EXP. POT. (2)	
		SERVICE AREA	POPULATION	PHYSICIAN TECH. STAFF	NURSES OTH. STAFF	TREATMENT	AVERAGE PATIENTS /DAY	AVERAGE STAYS	No. BEDS	PHYSICIAN TECH. STAFF	NURSES OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS	WATER SEWER		ELECTR.
1.	El Sabbar Medical center	El Sabbar & El-Saar cities	207	8/14	11/07	General	--	---	--	---	--	--	F	F	F	F	F	-	F	F	F
2.	Fiscal Health Office	Fiscal area	Variable	2/0	2/10	General	--	---	--	---	--	--	F	-	-	F	-	-	F	-	N
3.	Magernahy Registrar Center	Fiscal area	Variable	5/0	7/00	Maternity Registrar	--	---	--	---	--	--	F	F	-	F	F	-	F	F	N
4.	School Health Unit in Fiscal	Fiscal Schools	Variable	5/1	17/10	General school's age diseases	--	---	--	---	--	--	F	F	-	F	F	-	F	F	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

Governorate : Suez

HEALTH FACILITIES

District : Attaka

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LF)
1. El Sabbah Medical Center	Restoration & painting of the upper level + procurement of (10 desks + 10 shanons + 20 chairs + 20 mattresses + 20 blankets) + 2 examining beds (Gynecology) + 2 sight markers + 2 electric cautery apparatuses (Gynecology) + 3 Casco speculums.	
2. Maternity & Pediatric Care in Fisal.	Restoration & painting of the building + repair of W.C.s + procurement of (Simple equipment fo. Lab.+ Electric cautery apparatus + Fetal Stethoscope + Circumcision tools + Complete educational kitchen + Obstetrical examining bed + equipped Obstetrical bed + Serums refrigerator). and procurement of (2 complete Pediatric beds + Intensive light for examination rooms + 10 chairs + 2 desks + 3 shanons + 2 color T.V + 2 reception-sets + 2 refrigerators (8 feet) + 1 stove (4 burners) + 6 complet bed set with closet.)	
3. School Health Unit in Fisal.	Restoration & painting of the building + procurement of (10 chairs + 2 closets + 2 wall fans + Dental examination chair + 2 scales + Endemic diseases lab.+ equipment for measuring (Hemoglobine Sedimentation + E.S.R. + bleeding & coagulation)+ 2 Stethoscopes + 2 Sphygmanometers + 5 Sterilization boxes + 4 apparatuses for child's length measurement + Dental equipment + sight measuring boards.	
TOTAL		

ES/H-3Attaka1

Section III

Youth Facilities

1. Standards :

- a- One youth center per 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. 95,000.

15

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FACILITY DATA SHEET

FOR USE WITH A STATE DATA ACQUISITION SYSTEM

Government of Utah
Department of Energy

Data Preparation: 1983

NO.	FACILITY				FACILITY CHARACTERISTICS								EXPANSION POTENTIAL (%)	
	NAME	TYPE OF FACILITY	ACTIVITIES PROVIDED	NEWSPROJECT	APPROXIMATE AREA SERVED	APPROXIMATE POPULATION SERVED	BUILDING	EQUIPMENT	M.C.	LIGHTING	PLAYGROUND	WATER SEWER		SURROUNDING AREA
1	City of Salt Lake	Operating District Office	All activities	187	City of Salt Lake Government District	18								

NOTE: (1) Expansion potential in this column is based on a 100% increase in population.
(2) Expansion potential in this column is based on a 100% increase in area.

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Suez
 District : Attaka

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
Fisal City Youth Center	1- Renovation of the workshop to suite the investment projects.	40,000
	2- Restoration of the Basketball & Volleyball playgrounds' floors.	25,000
	3- Restoration of the potable & sanitary water networks.	30,000
TOTAL		95,000

ES/Y-3Attaka1

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