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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 AND TOUCHE
ENGINEERING AND GEOLOGICAL
CONSULTING OFFICE**

Needs Assessment Report
For
Educational, Health, and Youth Facilities
Waily District - Cairo Governorate

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INTRODUCTION

1. Location:

Waily District is one of Cairo Governorate's districts. It includes 3 kisms :

- El Daher Kism
- El Waily Kism
- Monsheit Naser Kism

Waily is a populous district as it attracts many of the Upper Egypt and Delta citizens who relocate to Mansheit Nasser Zone seeking work opportunities after being encouraged by their relatives who reside in the Zone.

2. Area:

The area of this district is about 9.4 km².

3. Population:

The population is estimated as 1,250,000. Most of them are low income laboring class. The population is gradually increasing as is seen by the haphazardously spreading buildings in Mansheit Nasser zone. The increase in population is also reflected in the increasing number of students admitted to primary schools.

The district needs are surveyed to encompass not only the actual needs of the large population but also to consider population expansion potential during the coming years.

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 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 stage.
- 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. Education Facilities :

Enrollment and condition data are displayed on (Table E-2).

The district now operates 72 schools with a current student population of 58,174.

3. School Shifts :

- a. 56 schools (78%) have one shift only
- b. 16 schools (22%) have two shifts

Governorate : Cairo
District : Waily

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.					
1	Khaled Ebnel Waleed	G	P	B	9	571	63	9	550	61				A	A	C	C	H
2	Gamel Abdel Maser	G	P	B	26	1433	55	26	1567	60				A	A	A	A	H
3	El Safa	G	P	B	11	637	57	11	693	63				A	A	B	B	H
4	Ahmed Abdel Aziz	G	P	B	13	800	61	13	777	59				A	A	B	A	N
5	Manshaet Naser	G	P	B	22	1313	60	22	1324	65				A	A	B	A	N
6	El Gaberti	G	P	B	22	1130	51	20	998	50				A	A	B	B	H
7	El Marwa	G	P	B	24	1247	53	24	1241	51				A	A	B	C	H
8	Qaitebai	Mo	P	B	6	339	57	6	329	54				B	B	C	C	N
9	Bein El Ganayen	G	P	B	13	491	35							A	A	B	C	N
10	El Sayeda Nafisa	G	P	B	11	420	40							A	A	A	A	H/V
11	Mostafa Kamel	G	P	B	13	613	47							A	A	B	A	H
12	Tor Sinaa	G	P	B	24	980	40							A	A	B	A	N
13	El Shorafa	G	P	B	14	500	35							A	A	B	A	V
14	El Shaheid Emad Kamel	G	P	B	13	477	37							A	A	B	C	V
15	Ahmed Shawki	G	P	B	6	153	26							D	B	B	A	N
16	Talaat Harb	G	P	B	13	429	33							A	A	B	A	N
17	El Koba El Fedaweys	G	P	B	11	437	34							D	A	A	A	V
18	El Husseineya	G	P	B	7	209	30							B	B	B	B	V
19	Ammar Ebn Yasser	G	P	B	12	400	34							A	A	B	D	V

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 : Cairo
District : Waily

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			BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
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.					
20	El Galaa	G	P	B	13	525	40							A	A	A	A	N
21	Sakr Koureish	G	P/Pr/S	B	22	604	27							A	A	A	A	V
22	El Baramouni	G	P	B	13	451	35							A	A	B	D	N
23	El Demerdash	G	P	B	12	409	34							A	A	B	A	N
24	El Nozha	R	P	B	9	258	28							D	A	B	B	N
25	Mahmoud Fahmi	R	P	B	7	250	35							D	A	B	B	V
26	El Molhaka, for girls	R	P	F	6	272	45							A	A	B	A	N
27	El Molkaka, for boys	R	P	M	6	301	50							A	A	B	A	N
28	Kobri El Seyoufi	R	P	B	7	282	40	7	319	46				B	A	B	A	N
29	Amin Fekri	R	P	B	9	277	31							B	C	D	D	N
30	El Bostan	R	P	B	11	397	36							B	B	B	D	N
31	El Shaheid Ahmed Sabri	R	P	B	12	454	38							D	D	B	A	N
32	El Andalos	R	P/Pr	B	18	784	44							A	A	B	A	N

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Date Prepared: 1989

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					FIRST			SECOND			THIRD			BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
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.					
33	Said	R	P	B	12	402	34							B	A	B	C	N
34	El Kobeisi	R	P	B	10	363	36							B	A	B	B	N
35	El Shaheid Adnan El Madani	R	P	B	12	532	44							A	A	D	A	N
36	Gharb El Kashlak	R	P	B	6	151	25							A	A	B	A	N
37	El Mabetat El Misria	Mo	P	B	9	210	24							B	B	B	A	N
38	Samret El Tawfik El Kabtia	Mo	P	B	14	478	34							A	A	B	A	N
39	El Engilia, mixed	Mo	P	B	6	148	30							A	A	B	D	N
40	El Amel	G	SE	B	12	156	13							D	D	D	D	H
1	El Salam Prep., for boys	G	Pr	M	20	834	41	20	795	40				A	A	B	A	H
2	Ghamra Prep., for boys	G	Pr	M	11	461	42							J	B	B	C	H/V
3	Mabil El Khazendar, for boys	R	Pr	M	13	518	40							B	A	B	A	N
4	El Husseineya Prep., for boys	R	Pr	M	28	985	42							B	A	B	B	N
5	El Abassia Prep., for boys	G	Pr	M	13	656	51							B	A	B	A	H/V
6	El Seddik Prep., for boys (sporting)	G	Pr	M	12	537	45							A	A	B	A	N
7	El Zaafran Prep., for boys	R	Pr	M	14	482	35							B	A	B	A	N
8	El Raggala Prep., for girls	G	Pr	F	10	450	45							A	A	B	B	N

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District : Waily

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					FIRST			SECOND			THIRD			BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
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.					
9	Ghamra Prep., for girls	G	Pr	F	33	1132	35							A	A	A	B	N
10	El Mahaba Prep., for girls	Mo	Pr	F	14	565	45							A	A	A	A	N
11	El Moasa Prep., for girls	Mo	Pr	F	15	597	40							A	B	B	A	N
12	El Sarayat Prep., for girls	R	Pr	F	14	500	39							A	A	B	C	V
13	El Abassia El Gadida Prep. for girls	R	Pr	F	11	393	36							A	A	B	A	N
14	El Kobe El Fedawia Prep., for girls	R	Pr	F	17	500	30							B	A	C	B	N
15	El Abassia Prep., for girls	R	Pr	F	24	1080	45							A	B	B	A	V
16	El Mehaneya Prep., for girls	R	Pr	F	6	226	38							A	B	C	A	N
17	El Mehaneya for boys (at El Husseineya)	R	Pr	M	6	209	35							B	B	C	A	N
1	Ismael El Kabanni	G	S	M	42	1769	42							A	A	A	A	N
2	El Husseineya	G	S	M	41	1598	47							A	A	A	A	N
3	El Ahran	R	S	M	17	693	41	10	379	38				A	A	B	B	N
4	El Abassia El Kadima	R	S	F	28	893	32							B	B	B	B	N
5	El Daher	R	S	F	27	1019	38							B	B	B	C	N
6	El Abassia El Tagrebeya	G	S	F	45	1874	42							A	A	A	A	N

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Governorate : Cairo
District : Waily

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Date Prepared: 1989

FACILITY					ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPAN- SION POT. (5)
					FIRST			SECOND			THIRD			BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
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.					
1	El Husseineya Commercial, for girls	R	S	F	23	725	32	23	695	30				B	B	B	B	N
2	El Abassia Commercial, for girls	G	S	F	28	954	37	22	753	37				A	A	A	A	H
3	El Daher Commercial, for girls	G	S	F	33	1134	40							D	A	B	C	H/V
4	El Abassia Mechanical, for boys	G	S	M	23	750	33	26	850	33				A	A	C	B	N
5	Ornamental Arts, for boys	G	S	M	31	1175	39	30	946	35				B	B	B	A	V
6	El Abassin Elect., for boys	G	S	M	19	611	31	14	488	38				A	A	A	A	H
7	El Abassia Industrial, for girls	G	S	F	15	517	34	15	~73	32				B	B	C	C	H
8	Abassia Educational, for girls	G	S	F	16	539	34							B	B	A	B	V
9	El Fesoul El Tagrebeya (at Abassia educational for girls)	G	S	F	4	138	34							B	B	A	B	V

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3. Sex - F (Female), M (Male), B (Both)

4. Conditions - A (Good), B (Fair), C (Poor), D (Serious)
5. Expansion Pot. - H (Horizontal), V (Vertical), N (No)

Source: Wilbur Smith and Associates

4. **Education Facilities Status :**

(Table E-3)

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

(Table E-4)

6. **Expected Future Increases :**

- a. 6.5% expected annual increase in Basic Education (Primary & Preparatory)
- b. 2.7% expected annual increase in the Secondary stage.

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

- a. There is a large number of rented and moana schools which represents about 44% of the total number of the districts schools, and thus building replacement and expansion operations are difficult.
- b. There is no vacant land allocated for educational services. Land is very expensive as well. Moreover, there are no financial resources sufficient to purchase the land assuming it is available.
- c. Expansion is not possible except in a limited way which cannot meet the expected future increases.

Schools, Physical Condition
Summary Sheet

Governorate: Cairo
District : Haily

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	20	19	1	-	2	5	4	-	4	2	2	-	-	26	7	-	6	8	7
Preparatory	17	3	3	-	-	3	6	-	-	2	-	-	-	8	9	-	-	3	4
Secondary	15	6	4	-	1	2	2	-	-	-	-	-	-	8	6	-	1	4	4
Special Education	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1
TOTAL	72	28	8	-	4	10	12	-	4	4	2	-	-	42	22	-	8	15 Schools	16 Scho.'s

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)

Type	Schools (as of 89)									Total		Additional Classrooms Needed																				
	1 Shift			2 Shifts			3 Shifts					1st year				2nd Year				3rd Year				4th Year				5th Year				
	No. of Clsr	No. of Stu.	Dens.	No. of Clsr	No. of Stu.	Dens.	No. of Clsr	No. of Stu.	Dens.	No. of Clsr	(1) No. of Stu.	(2) Dens.	F	3 SH	2 SH	T	F	3 SH	2 SH	T	F	3 SH	2 SH	T	F	3 SH	2 SH	T	F	3 SH	2 SH	T
P.	484	20327	42	138	7798	57	-	-	-	622	28125	45	-	-	182	265	-	-	225	134	-	-	271	365	-	-	320	421	-	-	372	479
Pr.	261	10125	39	20	795	40	-	-	-	281	10920	39	-	-	37	30	-	-	57	49	-	-	77	69	-	-	99	90	-	-	123	113
S.	200	7846	39	10	379	38	-	-	-	210	8225	39	-	-	17	35	-	-	22	41	-	-	28	47	-	-	35	54	-	-	41	61
S. T.	192	6543	34	130	4205	32	-	-	-	322	10748	33	-	-	142	153	-	-	152	162	-	-	161	172	-	-	170	182	-	-	180	192
S. E.	12	156	13	-	-	-	-	-	-	12	156	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	1149	44997	39	298	13177	44	-	-	-	1447	58174	40	-	-	378	483	-	-	256	566	-	-	537	653	-	-	624	747	-	-	716	845

P = Primary
 Pr = Preparatory
 S = Secondary
 S.T. = Secondary Technical & Commercial
 S.E. = Special Education

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

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

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

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

F = Additional Classrooms Per Year Needed to be Constructed for Future Population at Existing Students 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 Students Density Criteria Working One Shift Only Based on Declared Rate of Growth.

i = 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./ Pr.)
- (36 S. General)
- (32 S.T. & C.)

8. Development Potential in Educational Services :

a. (Table E-4) reflects the need for classrooms according to the "expected future increases" (Item 6), during the coming five years:

- * In case the second shift is cancelled with the classroom density meeting the standard, an additional 845 classrooms are needed. This means the construction of 169 classrooms, approximately, per year.

b. It is essential that the district:

1. Increase the funds allocated for maintenance.
2. Provide adequate equipment and furniture at classrooms, laboratories and workshops.
3. Build additional classrooms according to available expansion potential.
4. Raise the efficiency level of the teachers by means of holding training sessions to them in their specific fields of specialization.
5. Use modern educational aids.

9. Needs Assessment and Estimated Cost :

(Table E-5)

The total estimated cost amounts to L.E. 1,154,670

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Cairo
District : Waily

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Khaled Ebnel Waleed Primary school	WC for students, sewerage, scientific lab.	30,000
Gamal Abdel Naser	WC, scientific lab.	25,000
El Safa	50 desks	2,250
Ahmed Abdel Aziz	Expansion of courtyard	4,000
Hanshaet Naser	50 student desks, scientific lab.	10,000
El Gaberti	50 student desks, scientific lab.	10,000
El Marwa	100 student desks, scientific lab.	12,500
Qaitebai	30 student desks	1,500
Bein El Ganayen	100 student desks	5,000
El Sayeda Nafisa	WC	15,000
Mostafa Kamel	100 student desks	5,000
Tor Siya	100 student desks, sewerage network	10,000
El Shorafa	50 student desks	2,250
El Shaheid Emad Kamel	70 student desks	3,500
Ahmed Shawki	70 student desks	3,500
Talaat Herb	50 student desks, sewerage network	10,000
El Koba El Fedawia	Scientific laboratory	7,000
El Husseineya	WC, painting, sewerage	20,000
Anmar Ebn Yasser	WC	15,000
El Galaa	Completion of building (12 rooms)	35,000
Sakr Koureish	In good condition	----
El Baramouni	Repair of sewerage	2,000
Sub-total		228,500

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Cairo

District : Waily

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
El Demerdash	Construction of a theatre or classes on top of the WC; construction of basic education workshop	40,000
El Nazha	Repair of WC and urinals	5,000
Mahmoud Fahmi	Sewerage, classrooms	45,000
El Molhaka, for girls	50 student desks, 6 chairs	2,370
El Molhaka, for boys	50 student desks, 6 teacher tables	2,500
Kobri El Seyoufi	30 student desks, WC	1,600
Amin Fekri	Pull down the supplementary building and construct a new one	60,000
El Bostan	Repair of building and WC	20,000
El Shaheid Ahmed Sabri	Repair of classrooms	12,000
El Andelos	In good condition	----
Said	50 student desks, 6 tables	2,500
El Kobeisi	Repair of classrooms	10,000
El Shaheid Adnan El Medeni	50 student desks; construction of 8 classrooms; lab; workshop	100,000
Gharb El Keshlak	Repair of school building, raise the fence	10,000
El Wabatat El Misria	40 student desks, 4 classroom doors, special water connection	3,000
Samret El Tawfik	50 student desks	2,250
El Engelia	WC, 3 tables, 12 chairs	16,000
	Sub. total	332,220

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Cairo
District : Waily

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
El Salam, for boys	50 student desks	2,250
Ghamra, for boys	WC, sewerage, building replacement	60,000
Nabil El Khazendar, for boys	Building replacement	60,000
El Husseineya, for boys	Scientific lab.	10,000
El Abassia, for boys	Building replacement is in operation	---
Abu Bakr El Seddik, for boys	100 student desks	5,000
El Zaafran, for boys	Scientific lab; agricultural education, basic education workshop	5,000
El Fagal, for girls	WC for administration, repair of upper floor ceiling.	7,000
Ghamra, for girls	Construction of an exit-gate for girls	1,000
El Mahaba, for girls	Paving the courtyard, the school is in good condition.	3,000
El Moa'a	Repair of carpentry work, painting classrooms	5,000
El Sarayat	Replacement of water and sewerage network	5,000
El Abassia El Gadida	100 student desks	5,000
El Koba El Fedawia	Carpentry workshop; renovation of library; lighting network	6,000
El Abassia	Pull down wood-classes, and construction of a new wing	100,000
	Sub-total	274,250

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Cairo
District : Waily

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Ismael El Kabanni, for boys	10 student desks, 10 teacher tables	,700
El Husseinay, for boys	Reise fence, repair of the school gate	3,000
El Ahran, for boys	Maintenance of WC, opening closed WCs.	4,000
El Abassia, for girls	Building replacement	60,000
El Daher, for girls	Renovation of electricity network, repair of 2 ceilings	3,000
El Abassia El Tagrebeya	200 student desks	10,000
El Husseineya commercial, for girls	Painting classrooms. the school is in fair condition	12,000
El Abassia commercial, for girls	250 student desks, electricity network, water network	15,000
El Daher commercial, for girls	Urgent replacement of building	60,000
El Abassia Mechanical, for boys	Urgent electricity connection to the new building; 300 student desks	20,000
Ornamental Arts, for boys	300 student desks; scientific lab.	20,000
El Abassia mechanical, for boys	300 student desks; electricity lab; filing and cooling; electronics; computer	25,000
El Abassia Industrial, for girls	Rooms; WCs.; student desks	30,000
El Abassia educational, for girls	Repair; painting; blackboards; maintenance of WCs.	10,000
El Mehaneya Prep. for girls	Repair of the burnt building	20,000
El Mehaneya Prep. for boys	Workshop; painting; body work	15,000
El Amel Primary and Preperatory	Building in poor condition; repair is required	12,000
	Sub. total	319,700
	TOTAL	1,154,670

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 person in the population served.
- d. 4 hospitals for each 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)

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIESGovernorate : Cairo
District : Naily

Date Prepared: 1985

NO.	FACILITY NAME	SERVICE AREA	OUT-PATIENT				IN-PATIENT				FACILITY CONDITION (1)								EXP. POT. (2)		
			AVE. PATNS /DAY	PHYSICIAN TECH. STAFF	NURSES OTH. STAFF	TREATMENT	AVE. PATNS /DAY	AVERAGE STAY/DAYS	NO. BEDS	PHYSICIAN TECH. STAFF	NURSES OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREAT. ROOMS	OPERAT. ROOMS		WATER SUPPLY	W.C.'S
1	El Telaha Public Hospital at El South El Ismailia City	Naily / Near City Helwan	300	70	90	Medicine Surgery Ophthalmology Orthopedics E.N.T diseases/ Physiotherapy	15	6	110	70	6	Surgery / E.N.T. / Medicine/ Dermatologist	A	A	-	B	A	A	E	E	N
2	Abassia Fever Hospital	South Walsubra / North Helwan	320	34	18	All types of hot zone diseases / All types of fever / Quarantine of AIDS Patients	170	15	1547	70	324	All types of hot zone diseases / Fever / AIDS	A	A	A	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)

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3. Deficiencies, Shortages and Development Potential in Health Services :

- a. Shortage in medical equipment.
- b. No vacant land allocated for health services.

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

- 1. Provide health facilities with needed equipment.
- 2. Periodical maintenance for health facilities.
- 3. Provide spare part needed for maintenance of equipment.
- 4. Conduct training sessions for physicians and technical staff.

4. Needs Assessment and Estimated Cost :

(Table H-3)

The total estimated cost amounts to LE 170,000

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

HEALTH FACILITIES

Governorate : Cairo

District : Waily

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
Abassia Fever Hospital El-Talabba Public Hospital	Radiographic apparatus - Laundry - Operating Theater - Anaesthesia instruments - Suctors - 2 operation theatre search lights	100,000 50,000 7,000 5,000 5,000 3,000
TOTAL		170,000

ES/H-3WC

Section III

Youth Facilities

1. Standards :

- a. One youth center for each 10,000 person.
- 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 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 LE 45,000

PUBLIC YOUTH CENTERS

SURVEY SUMMARY & BASIC DATA AND OBSERVATIONS

Governorate : Cairo
District : Wally

Date Prepared: 1989

NO.	FACILITY						FACILITY CONDITION (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	Wally Youth Center	Youth Center	Sporting, Cultural, Social & Artistic	3155	Abassia Zone and surrounding schools	3155 of Wally Dist.	A	A	B	A	B	A	B	V
2	Manshaet Nasr Youth Center (under construction)	Youth Center	No activities are performed so far	-	Manshaet Naser zone	-	A	-	A	C	C	C	B	V
3	October Youth Center (under construction)	Youth Center	No activities are performed so far	-	El Galaa / El Sayeda Eisha	-	The center has obtained decrees and light building from the Government Urban planning Dept.							
4	El Daher Youth Center	Youth Center	Sporting, Cultural, Social & Artistic	2100	El Daher / Abassia	The center severs / El Daher	A	A	B	B	B	A	B	V
NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious) (2) Expansion potential - H (Horizontal), V (Vertical), N (No) - units of m ²														

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Cairo

District : Waily

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
Waily Youth Center	Repair and grassing the football playground Repair and equipping the boxing ring	1,000 1,000
Mansheat Naser Youth Center	Furnishing 3 administration rooms	5,000
October Youth Center	The center is under construction	15,000
El Daher Youth Center	Construct boxing ring	5,000
	Construct iron fence for football playground	8,000
	Repair of floor and building; painting body building hall	4,000
	Equipping for locker room	3,000
	Renovation of playground lighting network	3,000
TOTAL		45,000

ES/Y-3WC

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