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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 & Youth Facilities
in El Shorabia & El Zawia District
Cairo Governorate**

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Introduction

1. Location:

El Shorabia and El Zawia district is situated in Cairo Governorate.

2. Boundaries:

- El Ismailia Canal form the north.
- The railway from the south.
- El Sharikat St. from the east.
- The railway from the west.

3. Area:

The area of the district is about 7.8 km².

4. Population:

The population according to the latest census is 602,600 persons approximately.

5. The nature of the district:

The majority of the district's residents are from the middle class. The district includes a number of companies and factories. Most of the workers are residents of the district. The residents of the district are joined by various social, cultural & regional ties, thus it is easy to know their needs, and desires except for the residential area in El Zawia El Hamra which is inhabited with citizens from different districts. The original residents of this area started to form societies to tie them together to serve their needs.

6. 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 per 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. (5) schools (8.5%) work one shift.
- b. (54) schools (91.5%) work two shifts.

4. Educational Facilities Status:

(Table E-3)

5. Student Density and Needs for Classrooms:

(Table E-4)

6. Expected Future Increases:

The annual expected increase is 2.7%.

7. Deficiencies and Shortages in The Educational Services:

- a. There is a large number of rented and moar a schools which represents about 20% of the total number of the district's schools. Therefore, the building replacement operations are difficult.
- b. There is no vacant land assigned to the educational services.
- c. Scarcity of vacant land.
- d. Scarcity of financial resources to purchase land if available.

| CODE NO. | FACILITY NAME | OWNER-SHIP (1) | TYPE SCHOOL (2) | SEX (3) | ENROLLMENT BY SHIFT | | | | | | | | | CONDITIONS (4) | | | | EXPAN-SION POT. (5) |
|----------|-----------------------------|----------------|-----------------|---------|---------------------|-----------|------------|-------------|-----------|------------|-------------|-----------|------------|----------------|-----------|------------|------|---------------------|
| | | | | | 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 | El Shorabia Primary | MO | P | B | 6 | 174 | 29 | 6 | 162 | 27 | | | | C | B | C | D | N |
| 2 | El Maarref El Masrya (Boys) | R | P | M | 11 | 372 | 34 | 10 | 287 | 29 | | | | C | B | C | D | N |
| 3 | El Zaher (Mixed) | R | P | B | 15 | 471 | 31 | | | | | | | B | B | D | C | N |
| 4 | Mahasha (Girls) | S | P | F | 22 | 993 | 45 | 22 | 1002 | 46 | | | | A | A | B | B | N |
| 5 | Mahasha (Boys) | R | P | M | 9 | 246 | 27 | | | | | | | B | A | B | A | N |
| 6 | Mohamed Sharaf El Eskandran | R | P | B | 12 | 381 | 32 | | | | | | | B | A | B | D | N |
| 7 | El Maarref (Mixed) | MO | P | B | 12 | 407 | 34 | 12 | 404 | 34 | | | | C | B | B | D | N |
| 8 | El Engilia (Mixed) | MO | P | B | 6 | 232 | 39 | 7 | 217 | 31 | | | | A | B | A | D | N |
| 9 | Aer Ebn El Ass | G | P | B | 34 | 1030 | 43 | 24 | 928 | 39 | | | | A | A | B | C | N |
| 10 | 10th of Ramadan | G | P | B | 20 | 1492 | 75 | 20 | 1466 | 73 | | | | A | A | B | B | V |
| 11 | El Masrya El Balad | R | P | B | 6 | 236 | 40 | 6 | 228 | 38 | | | | A | A | B | D | N |
| 12 | Suez City | G | P | B | 26 | 1400 | 54 | 26 | 1598 | 62 | | | | A | A | B | B | V |
| 13 | El Salam Leisohagreen | G | P | B | 24 | 1791 | 75 | 24 | 1908 | 80 | | | | A | A | A | B | N |
| 14 | El Moganaa El Taaliev | G | P | B | 21 | 1356 | 65 | 21 | 1328 | 63 | | | | A | A | A | A | V |
| 15 | Moustafa Kaael | G | P | B | 22 | 1350 | 61 | 22 | 1290 | 59 | | | | B | B | B | D | N |
| 16 | Mahadet Shawa El Kahera | G | P | B | 15 | 918 | 55 | | | | | | | A | A | B | B | N |
| 17 | 6th of October | G | P | B | 13 | 675 | 52 | 13 | 629 | 46 | | | | A | A | B | A | N |
| 18 | El Salam El Gedida | G | P | B | 25 | 1921 | 77 | 25 | 1942 | 78 | | | | A | A | B | B | N |
| 19 | Aseaa Bent El Seddik | MO | P | B | 13 | 786 | 61 | 13 | 801 | 62 | | | | A | D | D | B | N |
| 20 | El Fateh Primary School | G | P | B | 13 | 956 | 74 | 13 | 920 | 71 | | | | A | A | B | A | N |
| 21 | El Kantara Shark | G | P | B | 15 | 1017 | 68 | 15 | 983 | 66 | | | | A | A | B | B | N |
| 22 | Abtal Fort Said | G | P | B | 16 | 1169 | 73 | 16 | 1100 | 69 | | | | A | C | D | A | N |
| 23 | Issaail El Kabbany | G | P | B | 20 | 1369 | 69 | 20 | 1370 | 69 | | | | A | B | B | B | N |
| 24 | Ahsed Shawky | G | P | B | 13 | 703 | 54 | 13 | 665 | 51 | | | | A | A | D | B | N |
| 25 | Nandet El Maarref | R | P | B | 6 | 191 | 32 | 6 | 169 | 28 | | | | A | A | D | B | N |
| 26 | Bellal (Mixed) | G | P | B | 34 | 1655 | 49 | 34 | 1707 | 50 | | | | A | A | B | A | N |
| 27 | Sawaal El Din El Afghany | G | P | M | 13 | 625 | 33 | 13 | 674 | 52 | | | | A | A | B | A | H |
| 28 | El Jawia El Haera (Boys) | G | P | M | 35 | 2000 | 57 | 35 | 2000 | 57 | | | | A | C | B | D | N |
| 29 | Reffaa El Tahawy | G | P | B | 12 | 674 | 56 | 12 | 614 | 51 | | | | A | E | A | A | N |
| 30 | Bellal (Boys) | G | P | B | 24 | 1194 | 50 | 24 | 1178 | 49 | | | | A | A | A | A | N |
| 31 | Abdel Monesa Reyad | G | P | B | 12 | 620 | 52 | 12 | 614 | 51 | | | | A | A | A | A | H/V |
| 32 | Abdel Aziz Sawish | G | P | B | 34 | 1657 | 49 | 34 | 1642 | 49 | | | | A | B | B | A | H |
| 33 | El Mansouria Primary | G | P | F | 26 | 1070 | 41 | 26 | 954 | 37 | | | | A | D | A | B | N |
| 34 | Zahret El Maddeen | G | P | B | 13 | 904 | 70 | 13 | 935 | 72 | | | | A | B | B | A | N |
| 35 | El Gallaa Primary | G | P | B | 13 | 935 | 72 | 13 | 904 | 70 | | | | A | D | D | D | N |
| 36 | El Yarakuk Primary | G | P | B | 12 | 768 | 64 | 12 | 725 | 60 | | | | A | A | A | A | N |
| 37 | Saad Zaghloul | G | P | B | 12 | 732 | 61 | 12 | 649 | 54 | | | | A | A | A | A | N |
| 38 | Sowhar Al Sekkelly | G | P | B | 18 | 1313 | 73 | 18 | 1203 | 67 | | | | A | A | B | B | N |

NOTES: 1. Ownership - G (Government), R (Rented), MO (Mona)
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 : Qadix
 District : El Shorabia & El Dem...

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1981

| FACILITY | | | | | ENROLLMENT BY SHIFT | | | | | | | | | CONDITIONS (4) | | | | EXPAN- SION POT. (5) |
|-------------|-----------------------------------|----------------|----------------|-----|---------------------|---------------|---------------|-----------------|---------------|---------------|-----------------|---------------|---------------|----------------|---------------|----------------|------|-------------------------------|
| CODE NO. | NAME | OWNER- SH.F | TYPE SCHOO. | SEX | 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. | | | | | |
| 35 | El Shaheed Mostafa El Tabbakh | B | F | P | 24 | 954 | 40 | 24 | 959 | 40 | | | A | A | C | A | N | |
| 41 | El Zawiya El Haara (Girls) | B | F | F | 45 | 2092 | 46 | 11 | 2111 | 47 | | | A | D | E | D | H | |
| 41 | Abdel Kader El Bazaery | B | F/F | B/M | 10 | 691 | 69 | 10 | 577 | 49 | | | A | D | A | D | H | |
| 42 | El Sayeda Khadija Primary | B | F | F | 0 | 1471 | 7 | 0 | 100 | 60 | | | A | A | A | E | N | |
| 1 | El Zaher | B | S | P | 24 | 1001 | 42 | 24 | 1079 | 45 | | | A | A | E | D | V/H | |
| 2 | El Zawiya El Haara | B | S | M | 21 | 869 | 41 | 21 | 1251 | 60 | | | A | D | E | E | V/H | |
| 3 | El Zawiya El Haara Tech.(5 years) | B | S | B | 40 | 1219 | 30 | 40 | 1184 | 30 | | | A | A | A | B | N | |
| 4 | Bellal - Commercial | B | S | F | 46 | 1674 | 36 | | | | | | A | A | A | E | V/H | |
| 5 | El Sayeda Khadija-Commercial | B | S | F | 15 | 651 | 43 | 15 | 640 | 42 | | | A | E | A | E | N | |
| 6 | El Mqanna El Talteeny-Prep. | B | F | M | 11 | 1135 | 57 | 11 | 1216 | 60 | | | A | A | E | E | H | |
| 7 | El Zaher-Prep. | B | F | F | 24 | 1514 | 63 | 24 | 1594 | 66 | | | A | A | E | D | V/H | |
| 8 | Ahmed Lotfy El Saved | B | F | F | 24 | 1651 | 69 | 24 | 1651 | 69 | | | A | A | A | E | V/H | |
| 9 | El Dour | B | F | M | 3 | 1251 | 42 | 3 | 1045 | 34 | | | E | E | E | E | N | |
| 10 | Mahdot Masr | B | F | F | 10 | 817 | 81 | 10 | 917 | 91 | | | A | E | E | D | N | |
| 11 | Mahdot Shama El Kanera | B | F | M | 11 | 407 | 37 | 11 | 224 | 20 | | | A | A | E | A | N | |
| 12 | Moustafa Kamei | B | F | M | 26 | 1000 | 38 | 26 | 1271 | 48 | | | A | A | E | D | N | |
| 13 | Bellal El Baida (Arab El-Des) | B | F | F | 19 | 822 | 43 | 19 | 695 | 37 | | | A | A | E | A | N | |
| 14 | Bellal El Adawa | B | F | F | 19 | 956 | 50 | 19 | 1011 | 53 | | | A | E | E | D | V | |
| 15 | Saad Zaghoul | B | F | M | 29 | 1354 | 47 | 29 | 1224 | 42 | | | A | E | D | E | H | |
| 16 | Eber Sina | B | F | F | 31 | 1974 | 64 | 31 | 1771 | 57 | | | A | A | E | E | N | |
| 17 | Taha Hussein | B | F | M | 21 | 1477 | 70 | 21 | 1070 | 51 | | | A | E | D | E | N | |

NOTE: 1. Ownership - B (Government), P (Private), M (Munici-)
 2. Schools - P (Primary), PP (Preparatory), E (Secondary), SE (Special Education)
 3. Sex - F (Female), M (Male), B (Both)
 4. Conditions - A (Good), E (Fair), D (Poor), C (Serious)
 5. Expansion Potential - H (Horizontal), V (Vertical), N (No)

Source: Wilbur Smith and Associates

af-E-0 DS21

Schools, Physical Condition
Summary Sheet

Governorate: Cairo

District : El Shorabia & El Zawia

Date Prepared: 1989

| School Type | Total No. of Schools | Physical Condition | | | | | | | | | | | | | | | | Expansion Potential | |
|-----------------------|----------------------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|---------------------|----------------------|
| | | Government | | | | Rented | | | | Moena | | | | Total | | | | Governorate | |
| | | A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D | V | H |
| Primary | 42 | 31 | 1 | - | - | 1 | 4 | 1 | - | 2 | - | 2 | - | 34 | 5 | 3 | - | 4 | 5 |
| Preparatory | 12 | 10 | 1 | - | - | - | 1 | - | - | - | - | - | - | 11 | 1 | - | - | 2 | 4 |
| Secondary (General) | 2 | 1 | - | - | - | 1 | - | - | - | - | - | - | - | 2 | - | - | - | 1 | 1 |
| Secondary / Technical | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 1 | 1 |
| Special Education | | | | | | | | | | | | | | | | | | | |
| TOTAL | 59 | 45 | 2 | - | - | 2 | 5 | 1 | - | 2 | - | 2 | - | 50 | 6 | 3 | - | 8 Schools | 11 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)

Governorate : Cairo
 District : El Shorabia & El Zawi

CLASSROOM PROJECTIONS
 Additional Classrooms Needed to be Constructed

Date Prepared: 1989

| YPR | School's (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 Cls | No. of Stu. | Dens. | No. of Cls | No. of Stu. | Dens. | No. of Cls | No. of Stu. | Dens. | | No. of Cls | No. of Stu. | Dens. | F | 3 | 2 | 1 | F | 3 | 2 | 1 | F | 3 | 2 | 1 | F | 3 | 2 | 1 | F | 3 | 2 |
| P. | 744 | 42100 | 57 | 690 | 38070 | 55 | - | - | - | 1407 | 79170 | 56 | - | - | 724 | 1285 | 15 | - | 774 | 1244 | 16 | - | 615 | 1400 | 23 | - | 857 | 1458 | 17 | - | 901 | 1517 |
| Pr. | 275 | 14569 | 53 | 278 | 13728 | 49 | - | - | - | 557 | 28297 | 51 | 6 | - | 291 | 445 | 14 | - | 311 | 467 | 15 | - | 322 | 488 | 15 | - | 329 | 516 | 16 | - | 355 | 530 |
| S. | 41 | 1869 | 45 | 45 | 2335 | 52 | - | - | - | 90 | 4204 | 47 | 1 | - | 47 | 75 | 2 | - | 47 | 75 | 3 | - | 50 | 81 | 5 | - | 55 | 85 | 6 | - | 57 | 88 |
| S. T. | 107 | 3509 | 32 | 58 | 1828 | 31 | - | - | - | 165 | 5337 | 32 | - | - | 64 | 64 | - | - | 64 | 65 | - | - | 74 | 74 | - | - | 79 | 79 | - | - | 84 | 84 |
| S. E. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 1171 | 61090 | 52 | 1074 | 55974 | 52 | - | - | - | 2249 | 117024 | 52 | 7 | - | 1134 | 1676 | 15 | - | 1198 | 1958 | 16 | - | 1267 | 2043 | 17 | - | 1333 | 2133 | 17 | - | 1397 | 2219 |

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

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.

Y = No. of years in future

NOTES:

- Calculations for each category are not based on the results from other categories. (i.e. Sh.2, Sh.3 and T do not take into consideration the number needed for F.) The District would construct Sh.2 or Sh.3 or T. No. of classrooms, not F plus that number.

STANDARD DENSITY:

- 140 P./Pr.
- 136 S. General
- 132 S.T. & C.

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

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

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

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

8. Development Potential in Educational Services:

- a. (Table E-4) shows the educational requirements during the coming 5 years according to the Expected Future Increases (Item 6), we may conclude that the total number of classrooms that have to be constructed while canceling the 2nd shift and classroom density meeting the standard is (2219) classrooms, that is approximately (444) classrooms per year.
- b. Increasing the funds allocated for maintenance.
- c. Providing equipment and furniture for classrooms, labs, and workshops.
- d. Construction of additional classrooms according to the available expansion potential.
- e. Boosting the efficiency level of the teachers by means of conducting 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 1,242,000.

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Cairo

District : El Shorabia & El Zawia

Date Prepared: 1989

| Facility Titles | Description of Improvement | Total Estimated Cost (LE) |
|--|--|---------------------------|
| 1. El Shorabia Primary School | Regular Restoration & electric and sanitary works. | 5,000 |
| 2. El Maaref El Masria School | Urgent demolition & reconstruction of W.C. | 20,000 |
| 3. El Zaher Primary Mixed | Regular & sanitary restoration + construction of W.C. | 15,000 |
| 4. Mahmasha Primary (Girls) | Regular & sanitary restoration | 12,000 |
| 5. Mahmasha Primary (Boys) | Completing the regular & sanitary restoration | 5,000 |
| 6. Mohamed Sharaf Al Askandarany Primary | Regular & sanitary restoration, demolition & reconstruction of W.C. | 20,000 |
| 7. El Maaref Primary Mixed | Regular & Sanitary restoration work, demolition & reconstruction of W.C. | 27,000 |
| 8. El Engilia Mixed | Regular & sanitary restoration work | 5,000 |
| 9. Amer Ebn El Ass Primary | Regular & sanitary restoration work | 15,000 |
| 10. 10th of Ramadan | Regular & sanitary restoration work | 10,000 |
| 11. El Amiria El Balad Primary | " " + changing the external drainage pipelines. | 5,000 |
| 12. Suez City Primary | Regular & sanitary + changing the external drainage pipelines. | 10,000 |
| 13. El Salam Lelmohagarien | Regular & sanitary + changing the external drainage pipelines. | 5,000 |
| 14. El Mogamma Al Taallemy | " " " " " | 5,000 |
| 15. Moustafa Kamel Primary | " " " " " | 10,000 |
| 16. Mahatet Shamal El Kahera | " " + building a fence | 25,000 |
| 17. 6th of October | " " | 5,000 |
| 18. El Salam El Gedida | " " | 15,000 |
| 19. Asmaa Bent El Sedik | Regular, sanitary and electric restoration work. | 10,000 |
| 20. El Fateh primary | Regular & sanitary restoration work | 5,000 |
| 21. El Kantara Shark Primary | Regular & Sanitary restoration work | 5,000 |
| 22. Abtal Port Said | Regular, sanitary & electric restoration work | 10,000 |

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Cairo

District : El Shorabia & El Zawia

Date Prepared: 1989

| Facility Titles | Description of Improvement | Total Estimated Cost (LE) |
|----------------------------------|--|---------------------------|
| 23. Ismail El Kabbany | Regular, sanitary & electric restoration work | 10,000 |
| 24. Ahmed Ghawki Primary | " " " " " | 12,000 |
| 25. Nahdet El-Mraref | Regular & sanitary restoration work+demolition & reconstruction of W.C.s | 20,000 |
| 26. Bellal - Mixed Primary | Regular & sanitary electric restoration work | 15,000 |
| 27. Gamal El Dine El Afghany | Regular, sanitary & electric restoration work enclose part of the ground floor area | 15,000 |
| 28. El Zawia El-Hamra Primary | Regular, sanitary electric restoration of W.C.s demolition | 55,000 |
| 29. Reffaa El Tahtawi Primary | Regular sanitary & electric restoration work " | 15,000 |
| 30. Bellal Primary (Boys) | " " " " " " | 10,000 |
| 31. Abdel Moneim Reyad | " " " + raise the height of The fence | 10,000 |
| 32. Abdel Aziz Gawish | " " " " " " | 25,000 |
| 33. El Mansouria Primary School | " " " " " " | 15,000 |
| 34. Zahret El Madaeen Primary | " " " " " " | 10,000 |
| 35. Gallal Primary School | " " " " + raise the height of the fence | 10,000 |
| 36. El Yarmouk Primary | " " " " " " | 5,000 |
| 37. Saad Zaghoul Primary | " " " " " " | 5,000 |
| 38. Gawhar El Sekelly Primary | Regular and sanitary restoration work + raise the height of the fence. | 10,000 |
| 39. El Shahid moustafa El Tabbak | Regular, sanitary & electric restoration work & demolition & reconstruction of fence | 25,000 |
| 40. El Zawia El Hamraa (Girls) | Regular, sanitary & electric restoration work | 40,000 |
| 41. Abdel Cader El Gazaery | Regular, sanitary & electric restoration work construction of W.C in the playground | 25,000 |
| 42. El Sayeda Khadiga Primary | Raise the height of the fence, construction of a main gate. | 8,500 |

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

EDUCATIONAL FACILITIES

Governorate : Cairo

District : El Shorabia & El Zawia

Date Prepared: 1989

| Facility Titles | Description of Improvement | Total Estimated Cost (LE) |
|---|---|-----------------------------|
| 1. El Zaher Secondary School | Regular & sanitary restoration work | 25,000 |
| 2. El Zawya El Hamra Secondary | " " " " | 5,000 |
| 3. El Zawya El Hamra Technical | " " " " | 45,000 |
| 4. Bellal (for teachers) Commercial Secondary School | " " " " | 10,000 |
| 5. El Sayeda Khadiga Secondary | " " " " | 10,000 |
| 6. El Mogamaa El Taaleemy Preparatory School | " " " " | 10,000 |
| 7. Ahmed Loutfy El Said Preparatory School | " " " " | 10,000 |
| 8. El Zaher Preparatory School (Girls) | " " " + demolition & replacement of W.C. (in the playground) | 60,000 |
| 9. El Obour Preparatory School | Regular & sanitary restoration work | 25,000 |
| 10. Nahdet Misr, Preparatory School | Regular & sanitary restoration work + demolition & replacement of W.C. (in the playground) | 55,000 |
| 11. Mahatet Shamal Preparatory School | Regular & sanitary restoration work in a good condition | |
| 12. Moustafa Kamel Preparatory School | Regular & sanitary restoration work | 30,000 |
| 13. Bellal El Gadida Preparatory School | " " " " | 5,000 |
| 14. Bellal El Kadima Preparatory School Girls | " " " " + demolition & reconstruction of W.C. (to be higher than the street level) | 40,000 |
| 15. Saad Zaghloul Preparatory School | Regular sanitary & electric restoration work + raise the height of fence + construction of 10 W.C.s | 40,000 |
| 16. Ebn Seina Preparatory School | Regular, sanitary & electric restoration work + enclose ground floor area | 25,000 |
| 17. Dr. Taha Husein Preparatory School | " " " " " | 15,000 |
| Primary Education preparatory & Secondary Education Technical Education | Furniture required for the various educational stages Students desks Students desks Students desks | 120,000 85,000 42,500 |
| | | 1,242,000 |

Section II Health Facilities

1. Policies & Standards of public health:

Following are the policies & 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. 4 hospitals for each 200,000 persons.
- e. One health unit for each 10,000 persons.
- f. One urban health unit consisting of an outpatient clinic, a school health unit, a health office and a maternity/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. Deficiency of assigned 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. Supplying medical equipment with spare parts.
4. Conducting training courses for doctors & technicians.

4. Needs Assessment and Estimated Cost:

(Table H-3)

The total estimated cost amounts to L.E.70,030.

Governorate : Cairo
 District : El Shorabia & El Zawia

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
 PUBLIC HEALTH FACILITIES

Date Prepared: 1969

| NO. | FACILITY NAME | OUT-PATIENT | | | | | IN-PATIENT | | | | | | FACILITY CONDITION (1) | | | | | | | EXP. POT. (2) | | |
|-----|---------------------------------------|---------------------------------|-----------------|------------------------|--------------------|---|-----------------|--------------|----------|------------------------|--------------------|-----------|------------------------|----------|-------------|--------------|---------------|---------------|-------------|---------------|--------|---|
| | | SERVICE AREA | AVE. PATNS /DAY | PHYSICIAN/ TECH. STAFF | NURSES/ DTH. STAFF | TREATMENT | AVE. PATNS /DAY | AVERAGE STAY | No. BEDS | PHYSICIAN/ TECH. STAFF | NURSES/ DTH. STAFF | TREATMENT | BUILDING | PHARMACY | EMERG. ROOM | ILLUMINATION | TREATM. ROOMS | OPERAT. ROOMS | WATER SEWER | | W.C.'s | |
| 1 | Child Care Center - El Zawia El Maara | Shaykhat El Zawia El Maara | 45 | 3/2 | 2/1 4 Assist./1 | Pregnancy Follow-up | - | - | - | - | - | - | A | A | A | A | A | - | A | A | A | N |
| 2 | El Shorabia Child Care Center | Shaykhat El Shorabia | 70 | 4/4 | 6/5 | * | - | - | - | - | - | - | A | A | - | A | A | - | A | A | A | N |
| 3 | El Egliall Child Care Center | Some of Shaykhat El Zawia | 50 | 3/2 | 3/2 | * | - | - | - | - | - | - | E | E | E | C | B | - | C | E | N | |
| 4 | El Shorabia School Health Unit | Shaykhat El Shorabia | 30 | 11/4 | 18 V8/9 | School Children Check-up | - | - | - | - | - | - | V | A | - | A | A | - | B | A | N | |
| 5 | El Zawia El Kasma School Health Unit | El Zawia El Maara Schools | 75 | 6/4 | 15 V8/2 | * | - | - | - | - | - | - | C | E | - | C | C | - | E | C | N | |
| 6 | El Zawia El Bedica School Health Unit | El Zawia El Bedica Schools | 65 | 11/4 | 4 V2/3 | * | - | - | - | - | - | - | E | E | - | E | E | - | E | C | N | |
| 7 | El Shorabia & Maahasha Health Office | Shaykhat El Shorabia & Maahasha | 120 | 4/4 | 6/4 | Vaccination, Immunization, Death & Birth Certificates | - | - | - | - | - | - | E | - | - | E | E | - | E | E | N | |

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

Governorate : Cairo
District : El Shorabia & El Zawia

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIES

Date Prepared: 1969

| FACILITY | | OUT-PATIENT | | | | | IN-PATIENT | | | | | FACILITY CONDITION (1) | | | | | | | EXP. POT. (2) | | |
|----------|--|---|-----------------|------------------------|--------------------|--|-----------------|---------------|----------|------------------------|--------------------|------------------------|----------|----------|-------------|---------------|---------------|---------------|---------------|-------------|--------|
| NO. | NAME | SERVICE AREA | AVE. PATNS /DAY | PHYSICIAN/ TECH. STAFF | NURSES/ DTH. STAFF | TREATMENT | AVE. PATNS /DAY | AVERAGE STAY/ | No. BEDS | PHYSICIAN/ TECH. STAFF | NURSES/ DTH. STAFF | TREATMENT | BUILDING | PHARMACY | EMERS. ROOM | ILLUMI-NATION | TREATM. ROOMS | OPERAT. ROOMS | | WATER SEWER | W.C.'s |
| 8 | El Arab Health Office | Sheyakh El Shorabia | 70 | 2/2 | 5/4 | Vaccination immunization + Death & Birth Certi- ficates. | | | | | | | | B | - | - | B | B | - | B | B |
| 9 | El Zawia El Haera El Kadssa Health Office | Sheyakh El Zawia | 80 | 2/3 | 6/5 | * | | | | | | | | B | - | - | A | A | - | B | B |
| 10 | El Zawia El Haera El Bedosa Health Office | * | 35 | 2/5 | 4/4 | * | | | | | | | | A | - | - | A | B | - | B | B |
| 11 | El Zawia El Haera Health Center | * | 120 | 18/3 | 10/12 | General Check up & Out-patient Clinic | | | | | | | | A | B | B | B | B | - | C | C |
| 12 | El Shorabia Health Center | Sheyakh El Shorabia | 70 | 11/5 | 10/12 | * | | | | | | | | A | A | B | B | B | - | B | B |
| 13 | El Arab Health | Sheyakh El Arab & El Shorabia | 35 | 13/4 | 9/8 | * | | | | | | | | A | A | - | B | B | - | B | B |
| 14 | El Gorn Health Center | Sheyakh El Gorn & El Zawia | | | | | | | | | | | | | | | | | | | |
| 15 | El Shorabia Speciali- zed Medical Center | Sheyakh El Shorabia, Mahasha & El Zawia | 150 | 10/3 | 8/10 | Internal Medicine/ Gynecology/ Pediatrics/ Orthopedics/ Dermatology | | | | | | | | B | B | B | B | B | - | B | B |

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 : Cairo

HEALTH FACILITIES

District : El Shorabia & El Zawia

Date Prepared: 1989

| Facility Title | Description of Improvement | Total Estimated Cost (LE) |
|---|--|---------------------------|
| El Zawia El Karima Child Care Center | The Health Department is currently restoring the center. | |
| El Shorabia Child Care Center | Appropriate restoration work was performed | |
| El Eglall Child Care Center | Painting, Sanitary, Electric & Carpentry works | 5,100 |
| El Shorabia School Health Unit | Restoration was performed under the supervision of district. | 7,200 |
| El Zawia El Gedida School Health Unit | Painting, Plastering, Electric, Sanitary and carpentry works. | |
| El Zawia El Kadima School Health Unit | Painting, Plastering, Electric work, Internal Sanitary work, External Sanitary work, and wall tiles work. | 11,180 |
| El Shorabia & Mahmasha Health Office | Painting, Plastering, Wall tiles, Carpentry work, Electric & Sanitary works. | 6,190 |
| El Arab Health Office | Painting, Sanitary work, Carpentry work, Electric work & Plastering. | 4,500 |
| El Zawia El Hamra El Kadima Health Office | Oil painting, Plastering, Sanitary work, Carpentry work & Electric work. | 6,050 |
| El Zawia El Hamra El Gedida Health Office | Oil painting, Carpentry work, Electric work and Sanitary work | 3,700 |
| El Zawia El Hamra Health Center | Painting, Plastering, Carpentry, Electric works & Sanitary work. | 11,000 |
| El Shorabia Health Center | Painting, Restoration, Construction work, Plain concrete, Sanitary, Electric, Carpentry work, Tile installation, & Insulating layer. | 9,215 |
| El Arab Health Center | Painting, Sanitary and Other works. | 5,900 |
| El Gorn Health Center | Restoration work was performed by the Health Department | |
| | TOTAL | 70,035 |

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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. Providing 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.880,000.

PUBLIC YOUTH CENTERS

SURVEY SUMMARY - BASIC DATA AND OBSERVATIONS

Governorate : Cairo

District : El Shorabia & El Zawia

Date Prepared: 1985

| 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 | El Shorabia Youth Center | Youth Center | Sporting / Social / Cultural / Artistic | 1500 | El Shorabia | 1500 | C | C | A | B | B | C | E | V |
| 2 | El Zawia El Haara Youth Center | * | * * * | 123E | El Zawia El Haara | 123E | B | E | B | B | B | B | B | H |
| NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious) (2) Expansion potential - H (Horizontal), V (Vertical), N (None) - units of m2 | | | | | | | | | | | | | | |

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Cairo

District : El Shorabia El Zawia

Date Prepared: 1989

| Youth Facility | Description of Improvement | Total Estimated Cost (LE) |
|--------------------------------|---|---------------------------|
| El Zawia El Hamra Youth Center | Construction of Halls for sporting activities; sporting equipment; supporting the center lighting network; providing artistic activities requirements (brass and other musical instruments) | 190,000 |
| El Shorabia Youth Center | Construction of an administrative building comprising many levels, sports equipment, grassing the soccer and other playgrounds, providing musical instruments and other arts. | 490,000 |
| TOTAL | | 680,000 |

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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