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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**  
**Education, Health and Youth Facilities**  
**Rod El Farag District**  
**Cairo Governorate**

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## **Introduction**

### **1. Location:**

Rod El Farag is one of Cairo Governorate Districts and is among the districts of the North Zone. It is considered one of the commercial, popular and deep rooted Districts.

The district's boundaries are:

On the East : Shoubra St. from Shoubra Tunnel to Dawaran Shoubra.

West: Kornishe El Nil St., from the Water Station to Embaba Tunnel.

North: Rod El Farag St. and the Water Authority.

South: Upper Egypt Railways.

### **2. Area:**

The area of the district is approximately 3 Km2.

### **3. Population:**

The population according to 1985 Census is about 318,700 persons. This district is considered one of the most density populated areas; as it has 118,000 persons per square Kilometer.

### **4. The Report Components:**

The report includes the following three sections:

Section I: Educational Facilities

Section II: Health Facilities

Section III: Youth Facilities

## Section I

### Educational Facility

#### 1. Standards:

- a. Classroom density (40) Primary/ Preparatory; (36) Secondary (General Education); and (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 stage.
- f. The minimum classroom number for a Primary or Preparatory school is 18. The minimum classroom number for Secondary school is 18 to 24.

#### 2. Educational Facilities:

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

#### 3. School Shifts:

- a. 34 schools (62%) have one shift.
- b. 21 schools (38%) have two shifts.

#### 4. Educational Facilities Status:

- a. 9 school buildings (16%) are in good condition.
- b. 22 school buildings (40%) are in fair condition.
- c. 8 school buildings (15%) are in poor condition.
- d. 16 school buildings (29%) are in serious condition.

#### 5. Student Density and Needs for Classrooms:

Table (E-4)

#### 6. Expected Future Increases:

The expected future increases for all educational stages are 2.7%.

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1985

CODE NO.	NAME	FACILITY			ENROLLMENT & STAFF									CONDITIONS (4)				EXPAN- SION POT. (5)	
		CATER TYPE	TYPE STRIK	SE	PRIMARY			SECOND			THIRD			ELECT- RIC	WATER SUPPLY	ELEVAT- ION	W.D.		
					CLASSE ROOMS	STUD- ENTS	AVG ENR.	CLASSE ROOMS	STUD- ENTS	AVG ENR.	CLASSE ROOMS	STUD- ENTS	AVG ENR.						
1	El Nasr				10	100	10												
2	Toda				14	57	4	10	44	4									
3	El Nasr El Rasr				4	10	3												
4	El Nasr El Rasr				4	21	5												
5	El Nasr				1	70	7												
6	El Nasr El Rasr				11	40	4												
7	El Nasr El Rasr				11	70	6												
8	El Nasr El Rasr				17	40	2	10	40	4									
9	El Nasr				8	24	3												
10	El Nasr				10	40	4												
11	El Nasr El Rasr				11	30	3												
12	El Nasr El Rasr				11	40	4												
13	El Nasr				10	40	4												
14	El Nasr				10	30	3												
15	El Nasr				10	30	3												
16	El Nasr				10	30	3												
17	El Nasr				10	30	3												
18	El Nasr				10	30	3												
19	El Nasr				10	30	3												
20	El Nasr				10	30	3												
21	El Nasr				10	30	3												
22	El Nasr				10	30	3												
23	El Nasr				10	30	3												
24	El Nasr				10	30	3												
25	El Nasr				10	30	3												
26	El Nasr				10	30	3												
27	El Nasr				10	30	3												
28	El Nasr				10	30	3												
29	El Nasr				10	30	3												
30	El Nasr				10	30	3												
31	El Nasr				10	30	3												
32	El Nasr				10	30	3												
33	El Nasr				10	30	3												
34	El Nasr				10	30	3												
35	El Nasr				10	30	3												
36	El Nasr				10	30	3												
37	El Nasr				10	30	3												
38	El Nasr				10	30	3												
39	El Nasr				10	30	3												
40	El Nasr				10	30	3												
41	El Nasr				10	30	3												
42	El Nasr				10	30	3												
43	El Nasr				10	30	3												
44	El Nasr				10	30	3												
45	El Nasr				10	30	3												
46	El Nasr				10	30	3												
47	El Nasr				10	30	3												
48	El Nasr				10	30	3												
49	El Nasr				10	30	3												
50	El Nasr				10	30	3												

NOTES: 1. Ownership - G (Government), P (Private), M (Mixed)  
 2. Structure - B (Block), R (Residential), S (Secondary), SE (Special Education)  
 3. Expansion Potential - H (Horizontal), V (Vertical), N (No)  
 4. Conditions - A (Good), B (Fair), C (Poor), D (Serious)

Source: World Bank and Associates

3-

Governorate of Qena  
District of El Faraf

GENERAL SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1988

CODE NO.	NAME	CLASS. BHP	TYPE SCHOOL	SE	ENROLLMENT DATA									CONDITIONS				EXPLANATORY NOTES			
					1987			1986			1985			CLUB ROOMS	STUD. ENTS	AV. SEAT	ELECT. INC		LIBR. INC	EQUIP. REPAIR	WATER
					CLUB ROOMS	STUD. ENTS	AV. SEAT	CLUB ROOMS	STUD. ENTS	AV. SEAT	CLUB ROOMS	STUD. ENTS	AV. SEAT								
1	Mohamed El Nassar	C	F	E	00	000	49	00	000	49				C	C					N	
2	Dear El Moutar	C	F	E	00	000	50	00	000	40				A	C					N	
3	Shoubra	C	F	A	20	000	00	00	000	00				C	C					N	
4	Shoubra Hama	C	F	A	11	000	00	10	000	00				C	C					N	
5	El Sayed Hama	C	F	A	10	000	00	10	000	00				C	C					N	
6	Abd El Faraf	C	F	A	10	000	00	10	000	00				C	C					N	
7	Shoubra Hama	C	F	A	40	000	00	40	000	00				B	A					N	
8	Shoubra El Hassab	C	F	F	10	000	00	10	000	00				B	A					N	
9	Kasser Abu	C	F	F	10	000	40	10	000	00				B	B					N	
10	El Jeir	F	F	M	01	000	00							C	C					N	
11	Mahmud El Amlal	F	F	M	00	000	00							C	C					N	
12	Dear El El Hassan	F	F	A	00	000	00							C	C					N	
13	El Tarek El Hassab	F	F	A	0	000	00							C	C					N	
14	Mahmud El Amlal	F	F	A	0	000	00							C	C					N	
15	El Jaber El Hassab	F	F	A	0	000	00							C	C					N	
16	El Faraf	C	F	A	00	000	00	00	000	00				C	C					N	
17	Shoubra	C	F	A	00	000	00							C	C					N	
18	Abd El Faraf	C	F	A	00	000	00	00	000	00				C	C					N	
19	El Jeir	F	F	A	00	000	00							C	C					N	
20	El Jeir	F	F	A	00	000	00							C	C					N	
21	Rady El Hassan	C	F	A	10	000	00							C	C					N	
22	Dear Moulana Shoubra	C	F	A	0	000	00	00	000	00				A	C					N	
23	El Ghor (Commercial)	C	F	F	10	000	00	10	000	00				A	A					N	

NOTES: 1. Classification of Government: F (Public), M (Mixed), P (Private). 2. Status: C (Complete), F (Fair), A (Average), B (Below Average), E (Extension Potential). 3. Extension Potential: C (Complete), F (Fair), A (Average), B (Below Average), E (Extension Potential). 4. Horizontal Ventilation: A (Yes), N (No).

Source: Author Study and Associates.

81/82-001

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Schools, Physical Condition  
Summary Sheet

Governorate: Cairo  
District : Rod El Farag

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	34	2	6	3	1	2	8	1	11					4	12	6	12	1	1
Preparatory	13	-	3	1	2	2	3	-	2					2	6	1	4	-	3
Secondary	8	3	3	-	-	-	1	1	-					3	4	1	-	1	2
Secondary / Technical																			
Special Education																			
<b>TOTAL</b>	<b>55</b>	<b>5</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>12</b>	<b>2</b>	<b>13</b>					<b>9</b>	<b>22</b>	<b>8</b>	<b>16</b>	<b>2</b> Schools	<b>6</b> 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)

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

- a. There are a large number of rented schools which represents approximately 56% of the total number of the District's schools. Therefore, the building replacement or expansion operations are difficult.
- b. There is no vacant land assigned to the educational services.
- c. There are no available resources to buy land.
- d. Equipment and furniture available at schools is insufficient.

8. **Development Potential in Educational Services:**

- a. Table (E-4) shows the needs for classrooms according to the expected future increases (Item 6) during the coming five years. The total number of the required classrooms to meet the expected increase, assuming that the second shift is cancelled and the standards are met is 533 classrooms or 107 classrooms per year.
- b. Purchase the rented land.
- c. Increase the funds allocated for renovation and maintenance.
- d. Provide adequate equipment and furniture specially for labs and workshops.
- e. Raise the efficiency of teachers by holding training sessions according to their field of specialization.
- f. Use of modern educational aids.
- g. Construction of additional classrooms at schools having horizontal or vertical expansion potential.

9. **Needs Assessment and Estimated Cost:**

Table (E-5).

Partial estimated cost amounts to L.E.1,365,500.  
(Remainder of costs to be determined by district officials).

Governorate : Cairo  
District : Rod El FaragCLASSROOM PROJECTIONS  
Additional Classrooms Needed to be Constructed

Date Prepared: 1989

Type	Schools (as of 87)									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	(1) No. of Stu.	(2) Dens.	F	Sh	2 Sh	T	F	Sh	2 Sh	T	F	Sh	2 Sh	T	F	Sh	2 Sh	T	F	Sh	2 Sh	T		
P.	408	19837	37	150	6117	41	-	-	-	578	21950	39	-	-	166	126	-	-	181	151	-	-	195	166	-	-	215	182	-	-	202	199		
Pr.	248	9712	39	179	5925	33	-	-	-	427	14647	34	-	-	194	128	-	-	206	128	-	-	219	149	-	-	221	159	-	-	244	170		
S.	372	9511	25	116	4228	36	-	-	-	390	10749	28	-	-	131	120	-	-	142	121	-	-	154	142	-	-	165	157	-	-	177	164		
S. T.	7	12	4	-	-	-	-	-	-	3	12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
S. E.																																		
Total	951	34072	36	447	16286	36	-	-	-	1398	50358	36	-	-	491	334	-	-	529	420	-	-	571	457	-	-	611	494	-	-	653	570		

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.

X = No. of years in future

## NOTE:

- Calculations for each category are not based on the results from other categories. (i.e. Sh. 2, 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 :

- (10 P./ Pr.)
- (26 S. General)
- (22 S.T. & C.)

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

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

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

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

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
1. El Yazgi Prim. Sch.	- Repair of doors, windows & W.C.s / Painting/ Raising the fence.	60,000
2. Tosson Prim. Sch.	- Repair of electrical network	4,000
3. Gamaet El Asdekaa Sch.	" " "	3,000
4. Ahmed Abdel Aziz Sch.	" " "	3,000
5. El Amreya Sch.	" " "	7,000
6. El Ahd El Guedid Sch.	" " "	29,000
7. Gameyet El Salam Prim. Sch.	" " "	4,000
8. Shoubra El Kadima Prim. Sch.	- The school needs to raise the level of the drainage system. - Repair the fence separating the school from Shoubra Prep. sch. for Girls.	20,000
9. Radioan Prim. Sch.	- Repair of electrical network	3,000
10. El Nile Prim. Sch.	- Repair of electrical network	4,000
11. El Nahda El Nessaeya Prim. Sch.	- Repair of 7 clsrms having wooden ceilings - repair of the training room - repair of W.C.s (10 units).	25,000
12. Molhaket Moalemat Shoubra Prim. Sch.	- Constr. of a fence to separate the school from Dar El Moalemat building.	45,000
13. Messarra Prim. Sch.	- Repair and painting the Bldg., - Repair of W.C.s, replace some of the clsrms flooring, 12 tables for teachers, 1 desk, 1 cupboard, 40 desks, mobile science lab, broadcast unit.	40,000

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
14. El Shawkeya Prim. Sch.	Repair of electrical network	4,000
15. 23rd of July Prim. Sch.	" " "	3,000
16. Ansar El Ensaneya Prim. Sch.	" " "	3,000
17. Nahdet El Morshedat Prim. Sch.	" " "	--
18. Samaret El Ekhlas Prim. Sch. (Boys)	Replacement of W.C.s (7 units) - Replacement of the wooden ceiling	35,000
19. Samaret El Ekhlas Prim. Sch. (Girls)	Insulation of the School's roof / Maintenance of W.C.s and sinks (10 units) / Construction of a new W.C./Replacement of the staircase.	40,000
20. Geziret Badran Prim. Sch.	Maint. of the W.C. of the new bldg / Repair and Painting of the old bldg / Electrical network maintenance.	18,000
21. El Nasser Prim. Sch. (Mixed)	Repair of W.C.s (15 units) / Painting of class- rooms and yard / Repair of the adm. W.C.	15,000
22. El Ingilia Prim. Sch. at Seteiti	Repair of electrical network	5,500
23. Shoubra El Guedida Prim. Sch.	" " "	6,000
24. Khaled Ebnel Walid Prim. Sch.	Repair of clsrms and W.C.s / Raising the height of the yard's fence.	45,000
25. Omar Ebnel Khattab Prim. Sch.	Maintenance Works for the bldg, " " " the main bldg's W.C. / Renov. of electrical network.	20,000
26. El Iman Prim. Sch.	Repair and Painting for the bldg.	20,000

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
27. El Iman Prim. Sch. (Mixed)	Repair & painting of the bldg./Renov. of the elect. network and the W.C. / Purchasing of 30 desks , 10 chairs, mobile science lab.	25,000
28. El Guehad Prim. Sch.(Boys)	Raising the fence's height / Repair of doors, W.C.s / Painting .	50,000
29. Abul Farag Prim. Sch.	Maintenance of old bldg. / Purchasing of 1 cupboard, 50 desks, 43 teacher's tables, 12 chairs, mobile science lab.	45,000
30. Mahmoud Sami El Baroudi Prim. Sch.	Painting / Repairs of W.C.s	50,000
31. El Takadam El Adabi Prim. Sch.	Paving of the school's street and construction of side walk / fixing of wire on windows / Insulation and tiling of the roof.	20,000
32. Moussa Ebn Nosceir Prim. Sch.	The school needs repairs & painting and repairs for W.C.s.	40,000
33. Omar El Mokhtar Prim. Sch.	Repair of the bldg / Renov. of W.C.s / Painting	45,000
34. Shoubra Prep. Sch. (Boys)	Demolition of the main bldg./Repair of the newest wing of the bldg.	40,000
35. Saint Helana Prep. Sch.	Repair and painting of the bld./Constr. of a new W.C./Renov. of the clasrm's floor / Repair of electr. network.	34,000
36. El Sayeda Hanifa Sch. (Boys)	Repair of the ground floor, repair of the main bldg.	4,000
37. Shoubra Prep. Sch. (Girls)	Insulation of the old bldg roof / Repair and painting of the new bldg./sewerage repair.	50,000

af/E-5 CRF2

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
38. Rod El Farag Prep. Sch. (Boys)	Repair of W.C.s/Repair and painting of bldg. / Demolition of the burnt bldg.	20,000
39. Shoubra El Hadissa Prep. Sch. (Girls)	Repair and painting of bldg./Demolition of the old W.C./Repair of windows and doors.	4,000
40. Kasr Amin Prep. Sch. (Girls)	Repair and painting of the bldg./Repair of W.C.s	35,000
41. El Yman Prep. Sch. (Boys)	Repair of doors and windows, staircase, W.C.s	30,000
42. Omr Ebn El Khattab Prep. Sch. (Boys)	Repair and painting of the building / Renov. of electrical network / Repair of W.C.s	25,000
43. El Tarbeya El Hadissa Prep. Sch.(Boys)	Repair and painting of the bldg./Renov. of elect. network/Repair of W.C.s.	25,000
44. Makarem El Akhlak Prep. Sch. (Girls)	Repair and painting of the bldg./ Repair and painting of W.C.s/Renov. of elect. network.	20,000
45. El Licee El Mesreya Prep. Sch. (Girls)	Repair and painting of bldg./Repair of W.C.s.	35,000
46. El Tawfikeya Sec. Sch. (Boys)	Rehabilitation of the old bldg./const. of an amphitheater.	40,000
47. Rod El Farag Sec. Sch.	Repairs	2,000
48. El Iman Sec. Sch. (Boys)	Replacement of the bldg.	30,000
49. El Iman Sec. Sch. (Girls)	Repair and painting of the bldg.	32,000
50. Rokey El Maaref Industrial Sec. Sch. (Girls)	Repair and painting of the bldg. & W.C.s	40,000
51. Hosni Mobarak Commercial Sch. (Girls)	Repair of the bldg.	2,000

af/E-5 CRF3

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
52. Dar Moallemat Shoubra (Girls)	Const. of new W.C.'s (20 units)	50,000
53. El Obour Commercial Sch. (Girls)	Repair, Painting and Sewerage	25,000
54. Shoubra Sec. Sch. (Boys)	Normal and electrical works / Construction of W.C.'s (10 units)	50,000
El Sayeda Hanifa Prep. Sch. (Boys) (morning shift)	The school needs the following: <ul style="list-style-type: none"> <li>- Equipment for science and math.</li> <li>- Sports equipment</li> <li>- Equipment for Social Studies (Geography - History) such as teaching aids, maps and others.</li> <li>- Colored T.V. (20 inch)</li> <li>- Refrigerator (10 cubic feet)</li> <li>- 2 metal cupboards</li> <li>- Electric fan</li> <li>- Carpets for administration room</li> </ul>	
El Sayeda Hanifa Prep. Sch. (evening shift)	<ul style="list-style-type: none"> <li>- Equipment for Science, Maths, Social Studies and sports.</li> <li>- Colored T.V. (20 inch)</li> <li>- Refrigerator (10 cubic ft)</li> <li>- Two metal cupboards</li> <li>- Carpets for administration room</li> </ul>	
Shoubra Vocational Prep. Sch. (Girls)	<ul style="list-style-type: none"> <li>- Lab. sewerage repairs</li> <li>- Video set</li> <li>- T.V. set</li> <li>- 200 desks</li> <li>- 100 chairs</li> </ul>	
Saint Helana Prep. Sch. (Girls)	<ul style="list-style-type: none"> <li>- Sewing and embroidering materials.</li> <li>- Four sewing tables</li> <li>- 5 cupboards</li> <li>- 30 chairs</li> <li>- Sewing machine</li> <li>- 4 ironing tables</li> <li>- 6 chairs for students</li> </ul>	

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
	<ul style="list-style-type: none"> <li>- 50 Chairs for cooking section</li> <li>- 2 Refrigerators</li> <li>- 2 Blackboards</li> <li>- 4 Gas stoves and gas bottle</li> <li>- Complete kitchen utensils</li> </ul>	
<u>Shoubra El Hadissa Prep. Sch. (Girls)</u>	<u>Equipment Needed:</u> <ul style="list-style-type: none"> <li>- Refrigerator</li> <li>- 1 Band saw</li> <li>- 1 Apparatus for wood burning</li> <li>- One wooden measuring rule</li> <li>- 8 Fire extinguisher stands</li> <li>- 3 Boards for graphics</li> <li>- 1 Wooden double ladder</li> <li>- Offset machine for examination printing</li> </ul> <u>Furniture Needed:</u> <ul style="list-style-type: none"> <li>- 45 Desks for prep. students</li> <li>- 35 Seats</li> <li>- 4 "Ideal" desks</li> <li>- 4 Teacher's desks</li> <li>- 6 Drawers</li> <li>- 3 Metal cupboards</li> </ul>	
El Iman Prep. Sch. (Boys)	<ul style="list-style-type: none"> <li>- 75 Double seats for students</li> <li>- 5 Metal cupboards</li> <li>- 36 Cane chairs</li> <li>- 21 Blackboard</li> <li>- 3 Chansons</li> </ul>	
Omar Ebnel Khattab Prep. Sch. (Boys)	<ul style="list-style-type: none"> <li>- 50 Student desks</li> <li>- 50 Chairs for teachers &amp; administration</li> <li>- 4 Desks for administration</li> </ul>	
El Tarbeya El Hadissa Prep. Sch. (Boys)	<ul style="list-style-type: none"> <li>- 60 Two - student desks</li> <li>- 12 Cane chairs</li> <li>- 4 Desks for administrators</li> <li>- 4 Filing cabinets</li> <li>- 40 Chairs for the library</li> <li>- 4 Book cases for library</li> <li>- 4 Lab. cupboards</li> <li>- 2 Maps (world maps)</li> </ul>	

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
	<ul style="list-style-type: none"> <li>- 2 Maps for Africa</li> <li>- 2 Maps for America</li> <li>- 2 Maps for Asia</li> <li>- 2 Maps for Europe</li> </ul>	
Makarem El Akhlak Prep. Sch. (Girls)	<ul style="list-style-type: none"> <li>- 2 Cupboards</li> <li>- 2 Desks</li> <li>- 12 Chairs</li> </ul>	
El Iman Sec. Sch. (Boys)	<ul style="list-style-type: none"> <li>- 200 Two-student desks</li> <li>- 36 Cane chairs</li> <li>- 8 Medium sized desks "Ideal"</li> <li>- 5 "Ideal" or wooden cupboards</li> <li>- 24 Blackboards</li> <li>- 30 waste baskets</li> <li>- 48 Complete fluorescent lamps</li> <li>- Rubber hose 1/2 inch-30 meters</li> </ul>	
Rod El Farag Sec. Sch. (Girls)	<ul style="list-style-type: none"> <li>- 50 Teacher Chairs</li> <li>- 6 Filing cabinets</li> </ul>	
El Tawfikeya Sec. Sch. (Boys)	<ul style="list-style-type: none"> <li>- 300 Cane chairs</li> <li>- 200 Desks</li> <li>- 10 Cupboards "Ideal"</li> <li>- 5 Four drawer desks</li> <li>- 10 Wool rugs</li> <li>- 100 Desks for drawing</li> <li>- 5 Wool blankets</li> <li>- 300 sweepers</li> </ul>	
Shoubra Sec. Sch. (Boys)	<ul style="list-style-type: none"> <li>- Install an A/C to provide a computer room</li> <li>- 30 Chairs</li> <li>- 15 Table: and plastic blackboards</li> <li>- Thick black draperies for 3 windows (3.5 m height)</li> <li>- Cabinet for storing diskettes</li> <li>- 5 Metal cupboards</li> </ul>	

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
	<ul style="list-style-type: none"> <li>- Lighting and painting of room</li> <li>- 50 Teachers desks</li> <li>- 10 Metal cupboards</li> <li>- 4 "Ideal" desks</li> </ul>	
Dar Moallemat Shoubra	<ul style="list-style-type: none"> <li>- 2 Pianos</li> <li>- 10 accordeons</li> <li>- 1 Fridge</li> <li>- 2 Stoves</li> <li>- 1 Electric mixer</li> <li>- 1 Electric egg - beten</li> <li>- Complete kitchen utensils</li> </ul>	
	TOTAL	1,365,500

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## Section II

### Health Facilities

#### **1. Policies and Standards of Public Health:**

Following are the policies and Standards of Public Health as per Alexandria Governorate Health Dept. in 1983.

- a. Average number of beds 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 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, Shortages and Development Potential, in Health Services:**

- a. Lack of medical equipment.
- b. No vacant land is assigned to health services.

The efficiency level of health facilities can be raised by the following:

- a. Equipping health facilities with needed equipment.
- b. Handling periodic maintenance for health facilities.
- c. Providing the spare parts needed for the medical equipment.
- d. Holding training sessions for physicians and technicians.

#### **4. Needs Assessment and Estimated Cost:**

(Table H-3)

Total Estimated cost amounts to LE 214,000.

Governorate : Cairo  
 District : Rod El Farag

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR  
 PUBLIC HEALTH FACILITIES

Date Prepared: 1981

NO.	FACILITY NAME	SERVICE ARE.	AUG. PAT. CAP.	OUT-PATIENT			IN-PATIENT				FACILITY CONDITION (1)							EXP. POT. (2)		
				PHYSICIAN TECH. STAFF	NURSES STAFF	TREATMENT	Avg. PATNS /DAY	AVERAGE BEDS	NO. PHYSICIAN TECH. STAFF	NURSES DTP. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS		WATER SEWER	A.C.'s
1	Rod El Farag Awal Health Office	Rod El Farag	21	1/6	6/2	Birth Death Register, Immunizations, Vaccinations						A	-	-	A	-	-	E	E	K
2	Rod El Farag Thani Health Office	Rod El Farag	21	1/2	5/2	" "						A	-	-	A	-	-	E	E	K
3	Rod El Farag El Balad Health Office	Rod El Farag	41	2/4	2/2	" "						A	A	-	A	E	-	E	E	K
4	Buqaret Badrar Child Care Center	Rod El Farag	5	1/2	2/10	Motherhood Childrenhood Care, Contraceptive						A	E	-	A	A	E	E	F	M
5	El Sabieva Child Care Center	Rod El Farag	1	2/4	2/2	" "						A	A	-	A	E	-	E	E	F
6	Masara Treatment Unit (School Health Office)	Rod El Farag	12	50/10	20/5	Internal Medicine, Dental, Gynaecology, ENT, Dermatology						C	-	-	E	-	-	C	C	A

NOTES: (1) Facility condition: - A Good, B Fair, C Poor, D Serious  
 (2) Expansion potential: - Horizontal, V Vertical, A No

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo

## HEALTH FACILITIES

District : Rod El Farag

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
1. Gueziret Badran Child Care Center	<ul style="list-style-type: none"> <li>- 2 Small cars with four doors for obstetrics</li> <li>- 2 Incubators for premature babies</li> <li>- 2 Operation trolleys for the transfer of Obstetric patients.</li> <li>- 2 Fully equipped operation cupboards. The needed maintenance and rehabilitation were carried out under LDII Program.</li> </ul>	30,000
2. El Sabteya Child Care Center	<ul style="list-style-type: none"> <li>- 2 Small cars with four doors for obstetrics</li> <li>- 2 Incubators for premature babies</li> <li>- 2 Operation trolleys for the transfer of Obstetrics patients.</li> <li>- 2 Fully equipped operation cupboards. The needed repair and upgrading were carried out under LDII Program</li> </ul>	30,000
3. Rod El Farag Awal Health Office	- 3 Pick-ups, 4 gasoline cylinders	60,000
4. Rod El Farag Thani Health Office	- 3 Pick-ups, 4 Gasoline cylinders, repairs needed were carried out under MUS program.	60,000
5. Rod El Farag El Balad Health Office	- 3 Sterilization stoves	6,000
	The former health offices as well as motherhood /childhood care centers were subject to repair under the MUS Project.	
6. Messarra Treatment Unit (School Health Office)	Repair and construction works	28,000
TOTAL		214,000

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### Section III

#### Youth Facilities

1- Standards

- a- One youth center for each 10,000 persons.
- b- The typical youth center should occupy approximately 5.5 feddans.
- c- Each center includes a swimming pool.
- d- Provide facilities to serve 80% of the district's youth. It is assumed that the other 20% will use facilities in private clubs.

2- Youth Facilities

(Table Y-2)

3- Needs Assessments and Estimated Cost :

(Table Y-3)

PUBLIC YOUTH CENTERS

SURVEY SUMMARY - BASIC DATA AND OBSERVATION

Governorate : Cairo  
 District : Rod El Farag

Date Prepared: 1989

NO.	FACILITY DATA						FACILITY CONDITION (1)						EXPANSION POTENTIAL (2)	
	NAME	TYPE OF FACILITY	ACTIVITIES PROVIDED	MEMBERSHIP	APPROXIMATE AREA SERVED	APPROXIMATE POPULATION SERVED	BUILDING	EQUIPMENT	A.C.	LIGHTING	PLAYGROUND	WATER SEWER		SURROUNDING AREA
1	Buzzaret Badran Youth Center	Youth Center	Sports - Cultural-Socia. Artistic	1800	Rod El Farag & Buzzaret Badran	150,000	A	A	A	A	A	A	B	N
2	Rod El Farag Youth Center	Youth Center	Sports - Cultural-Socia. Artistic	2000	Rod El Farag	170,000	B	B	C	C	B	B	B	N

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)  
 (2) Expansion potential - H (Horizontal), V (Vertical), N (No) - units of #.

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## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## YOUTH FACILITIES

Governorate : Cairo

District : Rod El Farag

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
Rod El Farag Youth Center	<ul style="list-style-type: none"> <li>- 12 Chairs, 15 desks</li> <li>- 10 Cupboards, 1 safe</li> <li>- 4 Conference tables</li> <li>- 5 Desk Chairs, 5 canteens</li> <li>- 20 Beach umbrellas with tables</li> <li>- 40 Beach chairs</li> <li>- 1 Microphone, 1 video</li> <li>- 10 Tennis tables</li> <li>- 1 Wrestling carpet</li> <li>- 10 m X 10 m Mattresses</li> <li>- 50 Soccer balls</li> <li>- 10 Dust carrier carts</li> </ul> <p>There is no potential for expansion. The center's land has not being assigned for this purpose.</p>	
Gueziret Badran Youth Center	<ul style="list-style-type: none"> <li>- 5 Small desks, 5 large desks</li> <li>- 5 Book cupboards</li> <li>- 2 Large tables for reading</li> <li>- 25 Chairs for library</li> <li>- 6 Fans for the library hall</li> <li>- Complete music set</li> <li>- Equipping a meeting hall (tables and chairs)</li> <li>- Lighting the theater</li> <li>- 10 Beach umbrellas with tables for the playgrounds</li> </ul> <p><u>Sports Equipment</u></p> <ul style="list-style-type: none"> <li>- 10 Soccer balls</li> <li>- 15 Basket balls</li> <li>- 15 Volley balls</li> <li>- 5 Volley ball nets</li> <li>- 15 Hand balls</li> </ul>	

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## YOUTH FACILITIES

Governorate : Cairo  
 District : Rod El Farag

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
Gueziret Badran Youth Center (continued)	<ul style="list-style-type: none"> <li>- 5 Pairs of basketball nets</li> <li>- 20 Medical balls (different sizes)</li> <li>- 20 Swedish chairs</li> <li>- 5 Tennis tables</li> <li>- 10 Dozens of tennis table balls</li> <li>- 10 Tennis table rackets</li> <li>- 1 Wrestling carpet</li> <li>- Shot put, discus &amp; javelins</li> </ul> <p>The center needs a second floor on top of the ground floor on an area of 750 m2 and completion of construction of ground floor.</p>	

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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