

PN-AP-129

LOCAL DEVELOPMENT II URBAN PROJECT

Submitted to
USAID / CAIRO

Submitted by
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in association with

PUBLIC ADMINISTRATION SERVICE
DEVELOPMENT CONSULTING OFFICE

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**Needs Assessment Report
For
Educational, Health and Youth Facilities
Nasr City District - Cairo Governorate**

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

Introduction

1. Location :

Nasr City is one of the Seventeenth Districts of Cairo , recently constructed together with 3 other districts. Upon the ministerial decree No. 886/1987 issued on 7/28/1987.

Nasr City is the East Boarder of Cairo Governorate.

Boundaries:

On the North: El-Thawra and El-Merghany Streets.

On the East : El-Emam Hussein Maamoun Streets.

On the South: Dr. Mohamed El-Nabawy El-Mohandess Street.

On the West : Ezbet El-Arab.

2. Area:

The area of Nasr City district was estimated by 27 km² and increased to 36 km² upon the construction of the ring road.

3. Population :

The population of the district is estimated by 236,000 persons.

The number of housing units is 76,789 unit approximately.

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 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:

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

3. School Shifts:

All schools operate one shift and implement the full day system.

4. Educational Facilities Status :

(Table E-3)

- * (13) schools (76%) are in good condition.
- * (4) schools (24%) are in fair condition.

5. Student Density and Needs for Classrooms :

(Table E-4)

6. Expected Future Increase :

The projected annual increase in the Primary stage is 12.8% approx., in the Preparatory stage is 8% approx., and in the Secondary stage is 10.2% approx. As for the special education schools; the anticipated annual increase is 11.9% approx.

Due to this expected future increase, as shown on (Table E-4), we can see the educational needs through the next five years. We came to the conclusion that the total number of classrooms to be erected to face this projected escalation, while maintaining the standard rate is 385 classrooms, that is approximately (77) classrooms / year.

Governorate : Cairo
District : Nasr City

SURVEY SUMMARY OF BASIC DATA & OBSERVATIONS FOR EDUCATIONAL FACILITIES

Date Prepared: 1989

FACILITY					ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPAN- SION POT. (5)
					FIRST			SECOND			THIRD							
CODE NO.	NAME	OWNER- SHIP (1)	TYPE SCHOOL (2)	SEX (3)	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	BUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
1	Mohamed Farid	G	P	B	22	913	42							B	B	B	C	V
2	Sadek Gohar	G	P	B	12	490	41							A	B	B	C	N
3	El Sediek Experimental Language School	G	P	B	18	765	43							A	A	B	B	N
4	El Shahied Ismaiel Fahmi	G	P	B	21	1300	62							A	B	B	C	V/H
5	Omar Makram	G	P	B	17	744	44							A	A	B	C	N
6	Abdallah Al Nadim	G	P/Pr	B	12/2	462/117	39/59							A	A	B	A	V/H
7	Rafaa El Tahtawy	G	P	B	22	1277	58							A	A	B	C	V/H
8	Mohamed Refaat	G	P	B	12	540	45							A	A	B	C	N
9	Abess El Akkad	G	P/Pr	B	33/11	1691/389	51/35							B	A	A	A	H
10	Abd El Aziz Gawish	G	P	B	27	1600	59							A	A	B	B	V
11	Asmaa Fahmi	G	P	B	12	592	49							B	A	B	B	N
12	Tawfik Al Hakim	G	Pr	B	15	570	38							A	A	B	B	V/H
13	The Experimental School (Mixed)	R	P/Pr/S	B/F	11/11/12	530/371/567	30/34/47							B	B	B	C	N
14	Zaky Moubarak	R	Pr/S	M	19/8	978/307	51/38							A	C	B	C	V
15	Nasr City	G	Pr/S	B/M	26/17	1300/852	50/50							A	A	B	A	N
16	Safia Zaghloul	G	Pr/S	F	16/7	836/286	52/41							A	B	B	B	N
17	Intellectual Education El Tarbia El Fekreya	G	SE	B	8	120	15							A	A	B	C	N

NOTES: 1. Ownership - G (Government), R (Rented), MO (Moana)
2. Schools - P (Primary), PR (Preparatory), S (Secondary), SE (Special Education)
3. Sex - F (Female), M (Male), B (Both)
4. Conditions - A (Good), B (Fair), C (Poor), D (Serious)
5. Expansion Potential - H (Horizontal), V (Vertical), N (No)

Source: Wilbur Smith and Associates

Schools, Physical Condition
Summary SheetGovernorate: Cairo
District : Nusr City

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	9	7	2											7	2			4	3
Preparatory / Primary	2	1	1											1	1			1	2
Prep.	1	1	-											1	-			1	1
Preparatory / Secondary	3	2	-		1									3	-			1	-
Secondary	-	-	-											-	-			-	-
Primary / Prep. / Sec.	1	-	-			1								-	1			-	-
Special Education	1	1	-											1	-			-	-
TOTAL	17	12	3			1	1							13	4			7	6

Expansion potentials are only for Government-owned Schools

H is horizontal, V is vertical, provide No. of clas:rooms which have potential for expansion

A = Good (needs only periodical maintenance, for example, painting & minor repairs) <10% of facility needs work

B = Fair (needs some renovations, for example, replacing of sewer risers, door frames & stair steps); 10-25% of facility needs work

C = Poor (needs major upgrading); > 50% of facility needs work

D = Serious (including building subject to failure or not economical to repair)

ES/E-3Nusr

7. Recommendations:

We recommend that more care is directed to expanding, repairing, restoring and developing the educational services. Increasing the number of W.C.s and its repair and maintenance is also very important. We also recommend increasing vertical and horizontal expansion and boosting the standard of furniture and fixture to achieve more comfort and ability to the educational purposes. It is very important to provide a good secondary school in the district.

The following schools are currently under construction:

- Basic Education military school in the 8th area (11) classrooms.
- Basic Education school next to Abu Bakr El Sediek - Preparatory language school in block No. 95 - (5) classrooms.
- Secondary school (commercial Education) - (11) classrooms.

The Basic education school next to the Arab industrial authority is under construction and is financed through LDII - (10) classrooms. Other pieces of land are allocated for the construction of schools but they have lack of funding.

These schools are expected to work through the coming school year 89/90. This will helping confronting the projected increase in the next year and will reduce the current of classroom density.

8. Needs Assessment and Estimated Cost:

(Table E-5)

The total estimated cost is L.E. 970,500

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo
District : Nasr City

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Primary Schools: 1. El Sediek Experimental School	<ol style="list-style-type: none"> 1. Transforming the Ashian type W.Cs to European type. 2. Building an extra vertical levels for the new annex + Constructing a conference room. 3. Increasing the number of classrooms in the new annex. 4. Using the area under the shed as sports rooms 	100,000
2. El Shahied Ismail Fahmi	<ol style="list-style-type: none"> 1. Constructing an annex with the capacity of (12) classrooms for the 1st Prep. students, and to reduce the classroom density in the main building 2. Restoration of the main building W.Cs. 3. The building needs patching repair work (carpentry-tiles-painting) 4. Construction of a sepearte W.C. 	245,000
3. Omar Makram Primary School	<ol style="list-style-type: none"> 1. Providing a room for the use of the lab. 2. Equipping the school playground. 3. Constructing more W.Cs. 	50,000
4. Abdallah Al Nadim Primary School	<ol style="list-style-type: none"> 1. Canteen 2. Warehouse 3. Labs. 4. Equipping the playground 	30,000
5. Rfaaa El Tahtawi Primary School	<ol style="list-style-type: none"> 1. A sepearte W.C. for girls. 2. Constructing 12 classrooms to reduce the classroom density 3. Paving the playground & planting trees 	155,000
6. Mohamed Refaat Primary School	<ol style="list-style-type: none"> 1. Lab. 2. Equipping the playground & increasing the number of classrooms 	15,000

ES/E-5Nasr

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo
 District : Nasr City

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
7. Abbas El Akkad Languages School	1. A school gate over looking the back street. 2. Cleaning, paving and planting trees in the street	7,000
8. Abd El Aziz Gawish	1. Construction of (10) classrooms in the new building. (Vertical addition)	110,000
9. Assma Fahmi for (Basic Education)	1. Equipping the playground 2. Removal of building debris surrounding the fence	7,000
10. Mohamed Farid Prim. School	1. Supporting the LSDF to complete the proposed W.C. 2. Raise the school's fence. 3. Repair of the existing W.Cs. 4. Making the school's gate higher 5. Equipping the playground 6. Repairing the school side walk.	33,000
11. Sadek Gowhar	No need for improvement	-----

ES/E-5Nasr2

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo
 District : Nasr City

EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost L.E.
Preparatory Schools:		
1. Tawfik El Hakim Prep. School (Mixed)	<ol style="list-style-type: none"> 1. Widening the back gate - warehouses 2. Patching the W.C.s & paving the school 3. Flag stand - Canteen 4. Expanding the school Mosque - In case an annex is constructed for the school it should contain a celebration hall. 5. Equipping the playground. 	40,000
2. Zaki Moubarak (Classrooms annexed to the Secondary School)	<ol style="list-style-type: none"> 1. Repairing the W.Cs in the prep. & Secondary schools 2. Lab., classrooms for the Secondary stage and lighting the school. 	110,000
3. Nasr City Prep./ Secondary School	<ol style="list-style-type: none"> 1. Construction of W.C especially for the Secondary school building as the existing W.C.s are insufficient for the school density. 	25,000
4. Safia Zaghloul	<ol style="list-style-type: none"> 1. Repair of main building W.Cs 	10,000

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo

EDUCATIONAL FACILITIES

District : Nasr City

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Special Education Schools: 1. Unified Experimental School	1. Lighting the school's fence 2. Raising the school's fence (iron) 3. Preparing & leveling the fence. 4. Repair of the entrance stairs. 5. Repair of floor tiles.	23,000
2. El Tarbia El Fekria Experimental School	1. Planting trees in the playground (very important) 2. Repair of W.Cs.	10,500
TOTAL		970,500

ES/E-5Nasr4

Section II

Health Facilities

Nasr City includes a number of Health Facilities to serve the needs of Health & Preventive Medicine.

1 Policies and Standards of Public Health:

Following are the policies and standards of public health as the 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- 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 Recommendations :

Nasr City is in need of a Public Hospital, a school health unit and a general clinic to serve the district population. The 8th and 10th areas are deficient of a medical centers. The number of hospitals must increase to cover the medical and health needs of the low income class and to boost the health level.

4 Needs Assessment and Estimated Cost :

(Table H-3)

The total estimated cost is L.E. 382,000.

Governorate : Cairo
District : Nasr City

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
PUBLIC HEALTH FACILITIES

Date Prepared: 1989

NO.	FACILITY NAME	OUT-PATIENT					IN-PATIENT					FACILITY CONDITION (1)							EXP. POT. (2)			
		SERVICE AREA	AVE. PATNS /DAY	PHYSICIAN TECH. STAFF	NURSES/ DPH. STAFF	TREATMENT	AVE. PATNS /DAY	AVERAGE STAY	NO. BEDS	PHYSICIAN TECH. STAFF	NURSES/ DPH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS		WATER SEWER	W.C.'S	
1	Helipolis Endemic Hospital	Helipolis	20	7 Dr. 7 T.	-- 7 Empl.	Epilepsia Eskares Dysentary		Non applicable					E	E	-	C	E	-	C	C	N	
2	Insects fighting Unit	6th, 7th, 8th 10th areas Public houses Jasra Public gardens surrounding the stadium Osman Houses Swiss project Arab Industrial housing units		4 Chemist 3 Agriculturist	-- 4 Empl.	Domestic Insect Fighting		Non applicable					C	-	-	C	-	-	A	A	N	
3	General Health Center 7th Zone in Nasr City	6th, 7th, 8th, 9th & 10th areas	2	211 Dr. - 12 Empl.	10 N. 12 Empl.	Medicine / Pediatrics/ Gynecology/ Dental / Ophthalmology/ Dermatology/ Lab.	1	1	3	Same			D Obstetrics	C	E	-	E	E	-	E	E	N
NOTES: (1) Facility condition: - A (Good), B (Fair), C (Poor), D (Serious) (2) Expansion potential: - H (horizontal), V (vertical), N (No)																						

ES/H-ZNASR1

Governorate : Cairo
 District : Nasr City

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR
 PUBLIC HEALTH FACILITIES

Date Prepared: 1989

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	NL. BEDS	PHYSICIAN TECH. STAFF	NURSES/ DTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS	WATER SEWER	W.C.'S	EXP. POT. (2)
5	1st Nasr City health Office	3rd & 4th areas/ El Tawfik City/ half of Tawarak St./half of Youssef Abbas St./ Raasia extension/ half of El Sekka El Bida until El Abbassa Fever hospital		3 Dr.	3 Clerks		Non applicable						C	E	-	E	C	-	C	E	N
6	The General Health Center, 6th area Nasr City	Nasr Road 66 from the North /Mostafa Hanass from the South/Els Desert from the East/ Bourder e- Nasr City with Attara Police Station & the Red Mountain from the West	66	35 Dr. 6 T.	13 N.		2	1	2	See		Obstetrics	A	E	E	A	A	E	C	C	N

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), E (Serious)
 (2) Expansion potential - H (horizontal), V (vertical), N (No)

ES/N-2nasr3

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo
 District : Nasr City

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
1. Nasr City 1st Health Office	1. The equipment needs to be written off through the medical supply affiliated to Heliopolis Medical area 2. Repair of the health office, W.Cs & carpets 3. Books for completing the work	5,000
2. Insects Fighting Unit	1. In need of a vehicle for spraying insecticides 2. Manual spraying equipment 3. Patching & painting the unit, upgrading the lighting and increasing the number of workers & employees.	30,000 10,000 15,000
3. General Medical Center in the 6th area of Nasr City	1. New furniture, fans and Radiology apparatus. 2. Specialized doctor, cleaning workers and guards. 3. Scales and beds. 4. Exhaust ventilator for the clinical lab. 5. Installation of glass & iron rods for the ground floor, painting works. 6. Painting and writing of signs. 7. Desks, closets & chairs	150,000 2,000 7,000 2,000 1,000
4. General Medical Center in the 7th area of Nasr City	1. Completing the lab. equipment 2. Equipping the Dental section with a complete Dental set and Dental Radiology equipment 3. 2 Cardiographic apparatuses for the Internal Medicine section. 4. Ultra-Violet X-Ray apparatus and Cautery apparatus for the Dermatology section.	5,000 30,000 20,000 10,000

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MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Cairo

HEALTH FACILITIES

District : Nasr City

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
	5. Ultra-sonic Diagnostic apparatus for the Gynecology & Obstetric section. 6. Completing the equipment needed for the Ophthalmology section 7. Supplying the needed furniture and renovating the old furniture. 8. Supplying nurses & employees for the center. 9. Supplying the center with records & publications 10. Reinforcing the electricity and maintaining the plumbing works. 11. Supplying the center with boilers and sterilizing apparatus.	50,000 10,000 5,000
5. Health Awareness in Heliopolis	1. Equipped vehicle for cinema projection together with audio-visual equipment. 2. A technician for cinema projection and maintenance of the equipment as the center technician has retired. 3. A series of Health Awareness Movies concerning Drug Addiction, Smoking, Bilharsia and Aids together with publications and posters. 4. Painting and furnishing of the office 5. T.V & Video set together with relevent films now available at the Ministry of Health.	25,000 5,000
TOTAL		382,000

ES/H-3Nasr2

Section III

Youth Facilities

1. Standards:

Nasr City includes a number of youth centers to serve its population (236,000 person approximately). The typical youth center should serve 10,000 persons. The private sporting clubs serve 20% of the Nasr City population leaving the rest of the youth (80% i.e 188,800 persons) in need of (18) youth facilities, Nasr City has (2) youth facilities, thus there is a need for (16) more youth centers.

2. Youth Facilities:

(Table Y-2)

Due to the deficiency of youth facilities, schools can be utilized during the summer vacations as summer clubs and we can overcome the insufficiency of youth facilities by adding simple equipment to these existing schools.

3. Needs Assessment and Estimated Cost:

(Table Y-3)

The total estimated cost is LE 235,000.

PUBLIC YOUTH CENTERS

SURVEY SUMMARY & BASIC DATA AND OBSERVATIONS

Governorate : Cairo

District : Nasr City

Date Prepared: 1969

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	Nasr City Youth Center	General	Social, Sports, Cultural, Religious and Artistic.	1240	Nasr City	----	A	B	A	B	B	B	B	H
2	10th Zone Youth Center	General	Social, Sports, Cultural, and Artistic	459	10th area/ Market area	----	C	C	C	C	C	B	H	H

NOTES: (1) Facility condition - A (Good), B (Fair), C (Poor), D (Serious)
(2) Expansion potential - H (Horizontal), V (Vertical), N (No) - units of m²

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

YOUTH FACILITIES

Governorate : Cairo

District : Nasr City

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
1. Nasr City Youth Center	1. Vocational training center and its furnishing following the model of the previously constructed centers.	100,000
2. The 10th Zone Youth Center	1. Activity Hall, this was approved before in the framework as 1st stage of the five years plan 88/89, and was ratified by the Supreme Council as to be financed with the amount of L.E. 35,000	135,000
TOTAL		235,000

ES/Y-3Nasr1

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

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