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# 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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**PILOT PROJECT**  
**AUTOMATION OF NEEDS ASSESSMENT SURVEY**  
**PORT SAID GOVERNORATE**  
**TECHNICAL ASSISTANCE REPORT**

**Submitted to: Wilbur Smith Associates**  
**Local Development II Urban Project**  
**February 15, 1990**

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## EXECUTIVE SUMMARY

As stated in Local Development II Urban (LDII) project paper and later referenced in the "Final Diagnostic Report" :

"One of the two explicit purposes of the LDII Project is 'to improve the capacity of local government to plan, finance, implement and maintain locally chosen basic service projects', which include education, sanitation, roads, public health and social services. (p.18)

In order to do so the MIS staff of the Governorate of Port Said Information Center, under the direction of LDII Urban staff, designed and implemented an automated version of the Basic Services Delivery System (BSDS) Technical Assistance group's District Needs Assessment. The Governorate counterpart to BSDS in carrying out the Needs Assessment was the Planning and Follow-up department.

The Needs Assessment covered the social services areas of health, youth, and education. The survey was a replication of a similar effort carried out by the Neighborhood Urban Services (NUS) project in 1983. That effort was the first of its kind in Local government in Egypt, and was considered by USAID and others to have been highly successful.

The purpose of the needs assessment is to provide managers at the governorate level with information on project needs at the district level. It has been shown that the detailed summaries of estimates of the cost of projects necessary to bring facilities up to standards have been valuable management tools. This is particularly true with regard to the governorate budgeting process and the development of the Investment and Maintenance Plans.

In the past both collection and compilation of the data in other governorate has been done manually. Problems such as mathematical and compilation errors have been found in the results of the manual systems. More importantly, district staff have resisted carrying out the annual update of data.

This is the first major system produced by the MIS Group in Port Said and therefore has several limitations. Nonetheless, it is a functioning system and by automating the process we have been able to reduce the compilation errors, improve the chances of thorough annual update, and eliminate much of the mundane compilation.

### RECOMMENDATIONS

Ideally, two somewhat diverse activities will result from this assessment effort. The first is the expansion of the system to include all of the basic services being provided by the governorate. The system concept would remain the same, with only the forms and data collection process needing to be altered.

The second is the implementation of the Needs Assessment program in the other Urban governorate. The system was designed so as to be applicable to any governorate and not just Port Said.

Under LD II supervision, staff members from the Port Said MIS section would be available to assist similar staff in other governorate in modifying and installing the Needs Assessment System.

This pilot project has been considered a success and hopefully only the first of many. The LD II staff member has made the following recommendations based on the process :

#### District Orientation

A major reason behind the groups inability to meet its deadline was the collection of data from the districts. This was due in part to a lack of understanding on the part of district or facility personnel on how to fill out the forms. Even though the BSDS group had done rather intensive training of this sort at the district level, it was found that often the persons filling the forms had not been part of the group receiving the initial training.

In the future, a mechanism should be created guaranteeing that the person(s) who will be responsible for filling out the forms are not only the people who are most familiar with the data, but are

also those who have been trained properly in the process.

#### **Further MIS Training**

In order for the Governorate MIS group to become totally self sufficient, in programming and analysis, it still requires a great deal of training. Other system projects, such as the district Needs Assessment, should be jointly undertaken by the LD II Project officer, MIS Group and the GOE MIS. A significant advance in the independent system development capacity of Port Said has resulted from this effort. A continued curriculum of formal training in advanced programming and engineering skills should be applied in tandem. The process of developing automation to serve the objectives of Planning & Follow up (P&F) as other departments in the governorate can thereby be institutionalized.

#### **Restructure Forms**

The data collection forms were designed during the NUS project and were minimally revised for this needs assessment. They were created as manual data collection forms.

In order to eliminate weak components in the forms and make them more appropriate for an automated system, they should be thoroughly revised by BSDS and governorate staff prior to the next round of data collection. The forms (data collection) that have been used for input to the automated system were designed during the NUS Project which preceded LD II. They may no longer be appropriate in some respects, particularly with respect to BSD's Needs Assessment objectives. Some revision may therefore be needed to obtain the most pertinent information in the most expedient manner.

## Section 1

### INTRODUCTION AND BACKGROUND

#### 1.1 INTRODUCTION

This report, entitled "BSDS - Automation of Needs Assessment Survey", has two main objectives. The first is the presentation of a summary of the development of an automated record keeping and delivery system for the BSDS Needs Assessment in the Port Said Governorate. The second is to set out the procedures for implementing the system in the other urban governorate.

This report was submitted to the Local Development II Urban project by a Wilbur Smith Associates staff member who was appointed for a four month period to :

- Assess the skills of the Port Said governorate staff in the areas of programming, systems analysis and design.
- Monitor data collection.
- Supervise the development of the automated system.
- Develop innovative MIS training procedures within the Governorate.

Other sections in the report include the following :

**Section 2** of the report covers the analysis of the data generated in the system reports.

**Section 3** covers the activities of the LD II staff member, the BSDS TA group, and the Governorate MIS section in the Port Said governorate.

**Section 4** covers an assessment of the success of the pilot project in achieving its goals.

**Section 5** covers recommendations based on the results of the pilot project.

**Section 6** covers the procedures necessary to implement the Needs Assessment System in other governorate.

## 1.2 BACKGROUND

### 1.21 Diagnostic

The "LDII Urban Project Final Diagnostic Report" was completed by the Technical Assistance groups in December of 1988. In that document a number of observations were made concerning the roles of the BSDS, MIS and Training TA groups in the governorate, as they relate to the Needs Assessment survey :

#### BSDS TA Group

- BSDS has an obligation to "conduct and plan working seminars in the districts during the early stages of each plan development cycle, making full use of the Needs Assessment." (p.11)
- "In planning the Team orchestrates and leads in the conducting of the Needs Assessment Surveys that identify and quantify deficiencies in these basic service delivery systems. Then continuing the planning function, the Team works with engineers, planners and local Popular Council members in establishing investment and maintenance programs within LDII Urban and GOE budgetary constraints." (p.9)
- "Needs Assessment surveys serve as basis for Investment Plan and Maintenance Plan preparation." (p.7)

#### MIS TA Group

- "The existing MIS environment generally supports the Planning and Follow-up Department." (p.94)
- "To date the personnel at the governorate do not have the capability to do their own application development or program maintenance. Training is minimal and not specifically related to the existing hardware / software installed at the governorate. Some personnel have University degrees but little experience." (p.94)
- The MIS TA group is responsible for the "creation of a skilled LDII Urban MIS unit in each governorate through appropriate equipping, training and sustained on-site follow-up efforts." (p.13)
- "The Project terms of reference indicate the technical assistance should lead to 'institution building'. The function of the MIS TA staff is to impart to the GOE personnel chosen to participate in the LDII Urban Project, sufficient skills to eventually develop their own computer applications. This can be accomplished only by formal training supplemented by on the job training with ongoing MIS TA staff support." (p.102)

### Training TA Group

The training TA group should

"identify and recommend new and innovative training courses, programs, etc. in response to unfulfilled training needs." (p.12)

As stated in the Diagnostic, each TA group faced unmet needs in the governorate. BSDS was having difficulty in getting districts to carry out that year's Needs Assessment and projected the same problems for the upcoming year. The MIS TA group felt the MIS staff in governorate were inadequately trained and incapable of developing applications to respond to organizational needs. The Training TA group was looking for innovative ways of institutionalizing in the areas covered by key training programs, including BSDS and MIS.

In March of 1989, it was decided to run a pilot project in Port Said governorate that would address the concerns of all three TA groups. Using the Needs Assessment as a focus, Governorate MIS staff would be led by LD II staff through the process of carrying out a systems analysis, design, and implementation.

The Port Said pilot was begun in April of 1989. BSDS had already begun its Needs Assessment survey in all six urban governorate, including Port Said. BSDS staff had visited the governorate and carried out training in the processing of the Needs Assessment survey form (see Survey Form, Appendix C).

#### 1.22 MIS Staff

By the time the Needs Assessment effort was begun, the nine Governorate MIS staff had received the following training as implemented by the Training TA group :

- Introduction to Computers, DOS (5 days)
- Advanced DOS, D BASE III Plus (10 days)
- MIS Supervisors Seminar (1 person, 1 day)

This was the same level of training that had been carried out in the other five Urban governorate. Port Said was chosen as the pilot governorate for the following reasons :

- It had a well organized Information Center.
- Training vendor's assessment that Port Said had one of the most capable MIS staff of the six urban governorate.
- The Governorate MIS staff in Port Said had shown a great deal of cooperation with MIS TA group.
- The Governorate OMED group had not been established in Port Said and there were no plans for the Capital or Current budget systems to be placed in the Governorate by the OMED TA group during that period.

#### 1.23 Needs Assessment

The Needs Assessment covered the social services areas of health, youth, and education. The Governorate counterpart to BSDS in the Needs Assessment was the Planning and Follow-up department.

The survey was a replication of a similar effort carried out by the Neighborhood Urban Services (NUS) project in 1983. That effort was the first of its kind in Local government in Egypt, and was considered by USAID and others to have been highly successful.

The purpose of the Needs Assessment is to provide managers at the governorate level with information on project needs at the district level. It has been shown that the detailed summaries of estimates of the cost of projects necessary to bring facilities up to standards have been valuable management tools. This is particularly true with regard to the governorate budgeting process and the development of the Investment and

## Maintenance Plans.

In the past both collection and compilation of the data in other governorate has been done manually. Problems such as mathematical and compilation errors have been found in the results of the manual systems. More importantly, district staff has resisted carrying out the annual update of data vital to the long term use of the system.

By automating the process as much as possible, the MIS group has been able to reduce the compilation errors, improve the chances of thorough annual update, and eliminate much of the mundane processing work.

### 1.3 Goals and Objectives

The Needs Assessment pilot was carried out Port Said addressing the following major goals :

1. BSDS, through the Governorate's Planning and Follow-up Department, would have access to adequate and timely data from which to successfully develop its Investment and Maintenance Plans.
2. The LDH project in general and the MIS and Training groups in particular, will be able to determine if the capacity has been developed within the Governorate MIS section to respond to the needs of the organization (Governorate).
3. The MIS section will be further institutionalized in the Governorate through the application of innovative training procedures.

These goals were set to meet the needs of several groups, including the governorate, the MIS, BSDS and Training TA groups. In order to reach them it was felt the following objectives had to be met :

#### Objectives for Goal 1

The Port Said Governorate MIS section would be able to :

- analyze the Needs Assessment survey process and recommend ways of it improving it.
- analyze, design, and implement the automated data storage and reporting portion of the overall Needs Assessment process.
- generate reports by the end of 1989 for the use of Planning and Follow up and the BSDS TA group for the development of the Investment Plan.

#### Objectives for Goal 2

The LDH staff member would :

- observe the MIS group during all formalized training to assess their performance in all areas considered relevant to MIS section.
- spend 60% or more of his time in the governorate working with the Governorate MIS staff, supervising the development of the system.
- observe the Governorate MIS staff as it carried out training of other Governorate staff.

### Objectives for Goal 3

The Governorate MIS section would :

- complete additional formalized training by vendors contracted by the LDII TA group.
- demonstrate to the organization its ability to analyze an existing system, design and program a new one, and successfully implement it.

The LDII staff member would :

- carry out informal and on the job training in order to fill the skill gaps left by formal training.

## Section 2

### DATA COLLECTION AND ANALYSIS

#### 2.1 Data Collection

In early 1989, the LD II BSDS TA group carried out data collection training in the districts of the Governorate of Port Said. This included the concept behind the Needs Assessment and how to fill out the data collection forms (see Survey Forms, Appendix B). These forms were designed by the LD II project staff. They were to be used by facility administrators with the help of the district and sector (Health, Education, and Youth) engineers to collect the data. The data was to be used by the Governorate Planning and Follow up department in budgeting and the development of the Maintenance and Investment Plans. The forms were sent by the Governorate Planning and Follow up department to the Planning department of the Sectors, who in turn distributed them to the Districts. In theory, the trained District staff would then supervise the collection of data at each facility. What occurred more often, however, was that either the process was taken over by untrained District staff, or that the forms were sent unattended to the facility.

The result was that there were long delays in the data collection process, with the data coming in a full two months behind schedule. Even now, some of the cost estimates, particularly in the Health sector, are incomplete.

Incomplete data can also be attributed to the data collection forms themselves. A number of people, particularly those not attending the initial BSDS training, found the forms confusing. Before any subsequent data collection takes place, it is recommended that the forms be modified.

Once completed, the forms were returned to the Sector offices, where they were combined and forwarded to the Management Information System (MIS) section in the Governorate Information Center. There, data was entered by MIS staff into the newly automated collection and reporting system. Reports were then generated for the Planning and Follow up department.

#### 2.2 Data Analysis

The initial system output was the production of the standard Needs Assessment tables (see Health/Youth/Education reports, Appendices C,D,E). These include the facility condition (E2,E3,H2,Y2) and needs listings (E5,H3,Y3) for the three sectors. A five year classroom projection (E4) was also developed for the Education sector. Both textual and graphic samples of summaries of the data for the three sectors can be found on the following pages :

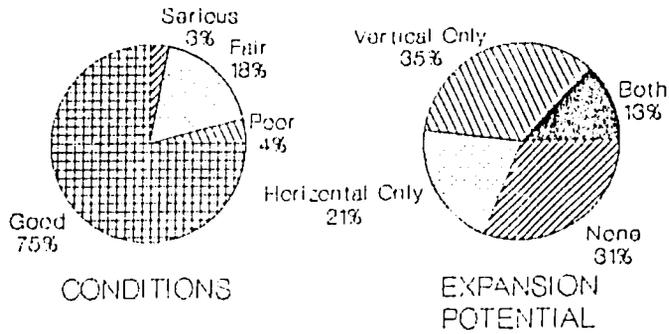
##### 2.21 Education

93% of the schools in the Governorate of Port Said are in good or fair condition, whereas 7% are in poor or serious condition and in need of repair. (see Education Reports, Appendix C)

The projected need, estimated for the five districts totals L.E. 2,211,935. This total is based upon needs projections from school administrators in collaboration with District and Sector engineers.

52% of the schools are running one shifts, with the remaining 48% running two shifts. No schools in Port Said are running three shifts. (see Education Reports, Appendix C)

# EDUCATION FACILITY CONDITIONS

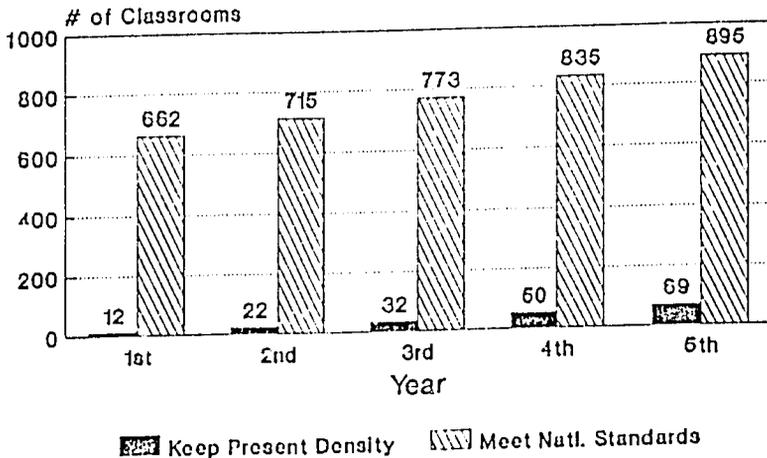


Source : P3 Information Center

The different classroom projections are a result of differing density criteria. Of most interest are those projections based upon maintaining present classroom densities and those based upon nationally set density standards. The main thrust of the national standards is to run only a single shift and to keep classroom densities between 32 and 40, depending upon the stage of the school, i.e. primary, secondary, etc.

The Governorate of Port Said will need to construct 12 classrooms during the next year, and 69 during the next five in order to maintain present classroom densities. Should an attempt be made to meet national standards, it would require the construction of 662 classrooms next year and 895 over the next five years. (see Education Reports, Appendix C)

## PROJECTED CLASSROOM NEEDS (Present vs. Standard Densities)



Source : P3 Information Center

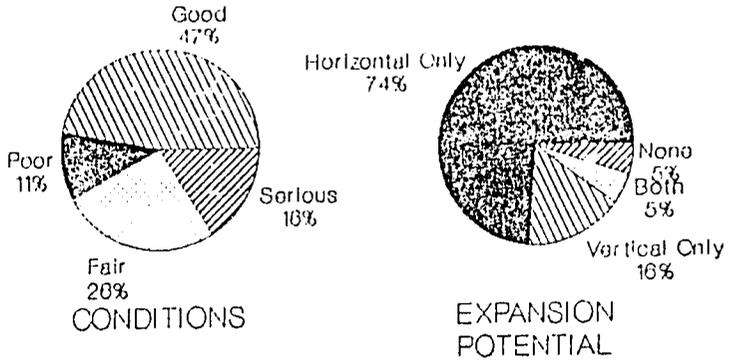
2.22 Youth

74% of the youth facilities in the Governorate of Port Said are in good or fair condition, whereas 26% are in poor or serious condition and in need of repair. (see Youth Reports, Appendix D)

The projected needs estimates for the five districts totals L.E. 1,653,850. This total is based upon needs projections from Youth administrators in collaboration with District and Sector engineers.

National standards of one center per 10,000 people with an 80% public sector service rate dictate that the Governorate of Port Said should have 34 clubs or centers. At present there are only 8 clubs and 7 centers in addition to the Port Said Stadium, October Sports Hall, and the Boy Scouts Camp in the Governorate, for an average of one club/center for every 22,603 people. (see Youth Reports Appendix D)

### YOUTH FACILITY CONDITIONS



Source : PS Information Center

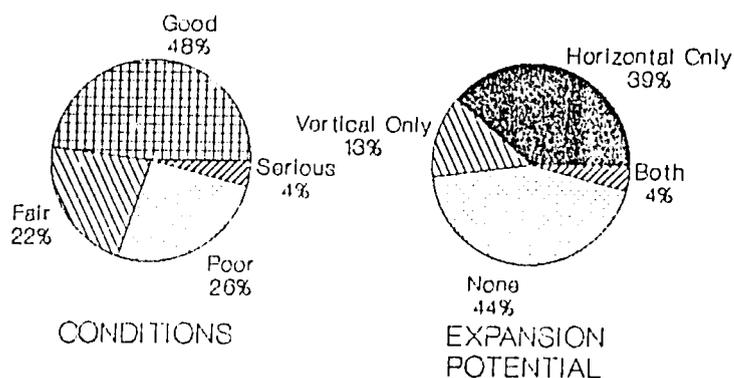
### 2.2.3 Health

70% of the health facilities in the Governorate of Port Said are in good or fair condition, whereas 30% are in poor or serious condition and in need of repair. (see Health Reports, Appendix E).

Due to difficulties in the data collection process, districts were able to collect the projected needs from the districts, but cost estimates were incomplete. The total for the estimates received was L.E. 3,151,945. (see table page 10).

Based upon the population of the five districts, national standards of 35-40 beds / 10,000 people dictate that the Governorate of Port Said should have 1503 hospital or clinic beds. Presently there are only 941 beds, for an average of 22 beds per 10,000 people. (see Health Reports, Appendix E)

## HEALTH FACILITY CONDITIONS



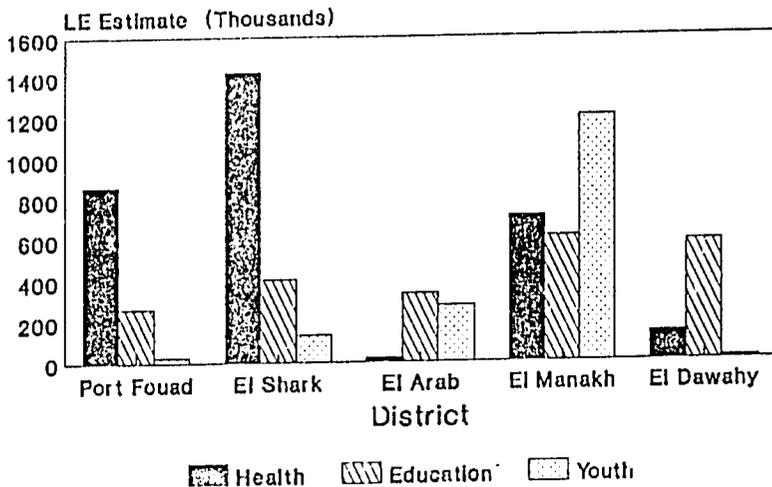
Source : PS Information Center

DISTRICT NEEDS

<u>DISTRICT</u>	<u>EDUCATION</u>	<u>HEALTH</u>	<u>YOUTH</u>
Port Fouad	269,000	857,495	31,000
Shark (East)	407,000	1,422,150 incomplete	135,000
Arab	338,750	22,400	278,000
Manakh	612,185	709,900	1,198,850
Dawahy	585,000	140,000 incomplete	11,000
	-----	-----	-----
	2,211,935	3,151,945	1,653,850

Note : all figures in L.E

**DISTRICT NEEDS ASSESSMENT**



Note :Manakh district data not complete in Health.

## Section 3

### ACTIVITIES

LD II staff members were involved in two primary efforts: the monitoring of data collection and supervision of the MIS section in its training and systems development efforts. The following is a sequential summary of the activities carried out in each of these areas.

#### 3.1 Data Collection Activities

- BSDS staff addressed the Governorate MIS staff, explaining in detail the purpose of the Needs Assessment survey, data collection procedures, and definition of the data elements.
- Meetings were held between the Director of Planning and Follow up department, to determine who was responsible in the governorate for the data collection process, the LD II staff member, and key MIS staff discussed data collection and reporting procedures and requirements.
- MIS staff visited the Health, Youth and Education organization offices as part of the systems analysis in order to better understand the flow of data through those organizations.
- The LD II staff member and Governorate MIS staff periodically checked status of data collection.
- Recommendations were made for revision to the data collection process for future surveys.

#### 3.2 System Development Activities

- Additional formalized training for Governorate MIS staff members by Computer Scientific Center (CSC) of Port Said, contracted by the LDII Training TA group, entailed :
  1. Advanced DBASE III+ (8 days)
  2. Introduction to Systems Analysis (10 days)
  3. Harvard Graphics / Nafitha pt.2 (6 days)
- Informal on the job training carried out by LD II staff member.
- Governorate MIS staff carried out an analysis of the existing system (see "Study Plan". Appendix ??)
- Governorate MIS designed, programmed and implemented a new system.
- Governorate MIS staff designed and wrote both user and programmer documentation.
- Governorate MIS designed a new system for data collection in subsequent years.
- Governorate MIS staff Generated required Needs Assessment reports for Planning and follow up and the LD II Project Implementation Coordinator.

## Section 4

### CONCLUSIONS

As indicated below, the pilot project met the majority of its goals and objectives as stated in Section II.

#### 4.1 Goal One

BSDS, through the Governorate's Planning and Follow-up Department, now has access to adequate data from which to successfully develop its Investment and Maintenance Plans. In the future that data should be available on a more timely basis.

- The Governorate MIS group has analyzed the Needs Assessment survey process and recommended ways of it improving.
- The Governorate MIS group has analyzed, designed, and implemented the automated data storage and reporting portion of the overall Needs Assessment process.
- The Governorate MIS group was not able to generate reports until January for the use of Planning and Follow up and the BSDS TA group for the development of the Investment Plan. This is due primarily to the interactive process of correcting data as it is entered in the system.

#### 4.2 Goal Two

The LDII project in general and the MIS and Training groups in particular, are now able to determine if the capacity has been developed within the Governorate MIS section to respond to the needs of the organization (Governorate).

- The LD II staff member observed the MIS group during formalized training to assess their performance in all areas considered relevant to MIS section.
- The LD II staff member spent 60% or more of his time in the governorate working with the Governorate MIS staff, supervising the development of the system.
- The LD II staff member observed the Governorate MIS staff as it carried out training of other Governorate staff.

#### 4.3 Goal Three

The Governorate MIS section will be further institutionalized through the application of innovative training procedures.

- The Governorate MIS group completed additional formalized training by vendors contracted by the LDII TA group.
- The Governorate MIS group has demonstrated to the organization its ability to analyze an existing system, design and program a new one, and successfully implement it.

The LDII staff member :

carried out informal and on the job training (OJT) in order to fill the skill gaps left by formal training.

## **Section 5 RECOMMENDATIONS**

In addition to the generation of data necessary for the Needs Assessment process, the pilot project has as an aim to strengthen the existing Governorate MIS section.

As a result of over six month association with the Needs Assessment effort in Port Said, the LD II staff member has made the following recommendations :

### **5.1 District Training**

A major reason behind the groups inability to meet its deadline was the collection of data from the districts. This was due in part to a lack of understanding on the part of district or facility personnel on how to fill out the forms. Even though the BSDS group had done rather intensive training of this sort at the district level, it was found that often the persons filling the forms had not been part of the group receiving the initial training.

In the future, a mechanism should be created guaranteeing that the person(s) who will be responsible for filling out the forms are not only the people who are most familiar with the data, but are also trained properly in the process. Lastly, forms should be modified to reduce the confusion that their completion appears to be generating. An evaluation of the data actually required by the system should be conducted to eliminate extraneous information from the collection process.

### **5.2 Further Training**

In order for the MIS group to become self sufficient, it still requires a great deal of training. Most of the members of the group joined with little or no computer background. Though they have had over 200 hours of training through the LD II Training TA group, this is far too little theoretical training for them to be considered programmers or analysts.

### **5.3 Applications**

The group has also received far too little practical experience in developing applications. The LD II MIS TA group should work directly with the governorate group in developing applications relevant to the organization's needs.

### **5.4 Diversification**

To date, all members of the MIS group have received nearly identical training. During the process, various members have demonstrated strength in particular areas, i.e. programming, analysis, etc.

It is unrealistic to assume that all members of the group be functional programmers, nor is it desired. There is a need for analysts, documentation specialists, data entry personnel, and supervisory staff.

In the near future, both the Governorate and LD II staff (both Training and MIS), need to establish a mechanism for selecting trainees for courses designated necessary by either of them. A course stream is being developed to establish clear training needs at levels of achievement by the GOE personal. This is a cooperative effort between the TA MIS and Training Groups.

### **5.5 Incentives**

Because of the relatively low salaries in the public sector and an increasing demand for trained computer staff within the private sector, we will soon face the possibility of the loss of key MIS personnel. Therefore, it is very important at this point to consider the idea of incentives.

Advanced training as an incentive is already built into the project. So, hopefully, is a certain degree of job satisfaction, which should increase as the project goes on and staff obtains more skills.

What is missing are financial incentives. Due to the nature of USAID funding, direct administration of this type of incentive is very difficult.

A more logical approach would be to use the group, which is already well trained in the introductory concepts of computer use and its operating system, to function as contracted trainers. An initial attempt along these lines is presently being carried out in Port Said.

#### **5.6 Demonstration**

In order to highlight the effort being made by the Port Said MIS group, and to demonstrate applicability of in-house generated systems within the governorate, the Needs Assessment should be demonstrated to key personnel from both Port Said and the other five Urban governorate.

#### **5.7 Restructure Forms**

The data collection forms were designed during the NUS project and were minimally revised for this Needs Assessment. They were created as manual data collection forms.

In order to eliminate weak components in the forms and make them more appropriate for an automated system, they should be thoroughly revised by BSDS and governorates staff prior to the next round of data collection.

## Section 6

### IMPLEMENTATION PROCEDURES

It is the intent of the project to implement the system in all of the other five Urban governorates. The program was designed to be easily tailored to accommodate the differences between each governorate. Typically, responsibility for the system will fall under the Planning and Follow up department, being the primary user of the information generated.

The Basic Services Delivery System (BSDS) TA group from the LD II project is responsible for assisting the governorates in implementing the system. It should be noted, however, that their role is advisory and that the actual implementation and data collection will be the responsibility of the Planning and Follow up departments, the Health, Youth and Education administrations, and district engineers.

The implementation process will vary slightly between the governorate, but in general, it will consist of the following steps :

#### 1. TRAIN DISTRICT AND SECTOR STAFF IN DATA COLLECTION

The Planning and Follow up department, with the help of the LD II BSDS TA group, must design and implement training to be focused at the district and service sectors (governorate level Health, Education, and Youth engineers). The training, should include :

- purpose of the needs assessment
- orientation to the data collection forms
- data collection procedures
- reporting procedures

#### 2. PLANNING AND FOLLOW UP DISTRIBUTE FORMS TO DISTRICT ENGINEERS

The Planning and Follow up department should distribute the health , education and youth forms to the participating engineers in every district. It should be made clear that those engineers are responsible for the timely and accurate collection of the data.

#### 3. DISTRICT ENGINEERS ASSIST FACILITY STAFF IN FILLING FORMS

District engineers contact facility (i.e hospital, school, or youth center) administrators to arrange for data collection. Administrators appoint person(s) within the facility to be responsible for completing the forms with the assistance of the district engineer(s).

#### 4. DISTRICT ENGINEERS REVIEW FORMS WITH SECTOR ENGINEERS

Upon completion of the forms, the district engineers should review them with the engineers from the respective sectors . The data should be assessed for its accuracy and completeness.

#### 5. UPDATE MISSING OR INACCURATE DATA

Any form which is determined to be incomplete or inaccurate should be returned by the district engineer to the facility from which it came. After they are revised, the forms should again be reviewed by the district and sector engineers.

#### 6. INSTALL NEEDS ASSESSMENT COMPUTER APPLICATION

Prior to receiving the completed forms for data entry activities, staff from the governorate MIS section should install the Needs Assessment computer package. This should be done with the assistance of MIS staff from Port Said and/or LD II MIS TA staff.

**7. TRAIN GOVERNORATE MIS STAFF**

Governorate MIS staff will then be given an orientation to the Needs Assessment package, which will include:

- Installation
- Introduction to the features of the package
- Setup
- Operation, including data entry and reporting

The orientation will be given by those persons who assisted the governorate MIS staff in the installation of the package.

**8. SUBMIT COMPLETED DATA ENTRY FORMS TO GOVERNORATE MIS SECTION**

Sector engineers, upon collecting the forms from the district engineers and confirming their accuracy, should submit them to the governorate MIS section.

**9. DATA ENTRY**

Staff assigned from the MIS and P&F Departments of the Governorate will be responsible for accurate keying of data from the forms to the computer. They will not be responsible for the accuracy of the data on the forms as they are received.

**10. GENERATE REPORTS TO SUBMIT TO PLANNING & FOLLOW UP, SECTORS**

Staff from the MIS group will generate designated reports from the data entered, submitting them to the Planning and Follow up department and to the three sector administrators.

**11. UTILIZATION OF INFORMATION**

At this point, the data collection process will have been completed. The managers of the Planning and Follow up and other relevant departments will use the information from the reports that have been generated to develop the Investment and Maintenance Plans.

**12. DECENTRALIZATION OF SYSTEM MAINTENANCE**

In governorate where the P&F dept. has already procured computer hardware, or where a budget exists to do so, it is strongly recommended that the BSDS Needs Assessment be implemented in the P&F dept, rather than the MIS facility. The proximity of user department, data, and system within the beneficiary organization inevitably results in improved data accuracy, a faster Needs Assessment process, and a higher level of sustainability. MIS' long term involvement should be limited to support of the system's hardware and software not maintenance of the Database.

# APPENDIX A

## Study Plan

**Port Said - BSDS Needs Assessment  
Study Plan**

**I. INTRODUCTION**

- A. The governorate of Port Said wishes to provide the best facilities possible for the people of Port Said in the areas of Health, Youth, and Education.

**II. CURRENT PROBLEMS TO BE ADDRESSED**

- A. Determine departments responsible for data collection
- B. Study existing data collection forms and procedures and sources of data.
- C. Determine timing in flow of data between departments.
- D. Determine processes (methods) of preparing and storing data collected.
- E. Study processes for verifying data accuracy.
- F. Determine what output is necessary for making appropriate decisions.

**III. GATHER INFORMATION ON EXISTING SYSTEM**

- A. Interview affected personnel
  - 1. Documents : input/output
  - 2. Interaction with other departments
  - 3. Organizational chart
  - 4. "Efficiency" of persons/department interviewed.
- B. Cultural
  - 1. Attitudes about automation
  - 2. Conflicts between people in departments
  - 3. Conflicts between departments
  - 4. Flexibility

**IV. DEVELOP PHYSICAL MODEL OF EXISTING SYSTEM**

- A. Context diagram
- B. Physical data flow diagram (DFD)
- C. Begin data stores
- D. Begin data dictionaries

**V. DEVELOP PHYSICAL MODEL OF EXISTING SYSTEM**

- A. Logical DFD
- B. User validation

**VI. DEFINE USER REQUIREMENTS**

- A. New logical DFD
- B. Mini-specifications
- C. New data store contents
- D. Normalization
- E. User walk throughs
- F. User acceptance

**VII. DEVELOP PHYSICAL MODEL**

- A. New physical DFD
- B. Convert logical data dictionary to physical data dictionary
- C. Complete normalization
- D. Data structure diagrams
- E. Data access diagrams
- F. System structure charts
- G. Complete mini-specifications
- H. Assemble pertinent logic process documentation
- I. Photo typing for user verification

**VIII. PRESENT NEW SYSTEM**

- A. User walk through
- B. User acceptance

**IX. SCHEDULE IMPLEMENTATION**

**X. IMPLEMENTATION**

- A. Schedule
- B. Program
- C. Test
- D. Install

# APPENDIX B

## Survey Forms



DISTRICT NEEDS ASSESSMENT  
YOUTH AND CULTURE

Governorate: \_\_\_\_\_ District: \_\_\_\_\_ Date: \_\_\_\_\_

Director: \_\_\_\_\_

BASIC DATA

Name of facility: \_\_\_\_\_

Address: \_\_\_\_\_ Code No.: \_\_\_\_\_

Type of facility: \_\_\_\_\_

Activities Provided: \_\_\_\_\_

Number of Participants: \_\_\_\_\_

Approximate Area & Population Served: \_\_\_\_\_

Facility/Grounds Condition

Good Fair Poor Serious

Building Structures: \_\_\_\_\_

Equipment: \_\_\_\_\_

W.C. Condition: \_\_\_\_\_

Water/Sewer Status: \_\_\_\_\_

Surrounding Area Status: \_\_\_\_\_

Lighting: \_\_\_\_\_

Playground: \_\_\_\_\_

Site Size & Building as % of Site: \_\_\_\_\_

Expansion Potential (Horizontal/Vertical): Units of Square Meters

H ( ) V ( ) NONE ( )

List of Improvements: (Equipment/Renovations) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

LD-11/NUS S.P. No.: \_\_\_\_\_

DISTRICT NEEDS ASSESSMENT  
EDUCATIONAL FACILITIES

Governorate: \_\_\_\_\_  
District: \_\_\_\_\_ Date: \_\_\_\_\_

Headmaster/Headmistress: \_\_\_\_\_

BASIC DATA

School Name: \_\_\_\_\_

Address: \_\_\_\_\_

Ownership: Government (G) Rented (R) Moana (MO): \_\_\_\_\_

Male/Female/Mixed: \_\_\_\_\_ Code No.: \_\_\_\_\_

Type: Primary (P)/Preparatory (PR) /Secondary (S) \_\_\_\_\_

Site Size and Building as % of Site: \_\_\_\_\_

1st. Shift      2nd. Shift      3rd. Shift

No. of Classrooms: \_\_\_\_\_  
No. of Students: \_\_\_\_\_  
Classrooms Density/Shift: \_\_\_\_\_


FACILITY/GROUNDS CONDITION (good/fair/poor/serious)

Building: \_\_\_\_\_

Classroom Illumination: \_\_\_\_\_

W.C.: (Condition and Number) \_\_\_\_\_

Condition of Equipment (desks or lab): \_\_\_\_\_

Water /Sewer Status: \_\_\_\_\_

Surrounding Area Status: \_\_\_\_\_

Expansion Potential: Only for Government owned schools; consider both "H&"V"  
"H" is horizontal, "V" is vertical. Provide No. of classrooms which could  
be obtained by expansion ("H" or "V" or NONE) H (    )    V (    ) NONE (    )  
Headmaster/Headmistress and/or District Comments: (List of needs) \_\_\_\_\_

SUMMARY/REMARKS (status)

Classrooms: \_\_\_\_\_  
Illumination: \_\_\_\_\_  
W.C.: \_\_\_\_\_

Existing Condition			
good	fair	poor	serious

Published Rate of Growth: \_\_\_\_\_  
Education Density Criteria: \_\_\_\_\_  
N.U.S. or LD-II S.P. No. : \_\_\_\_\_

# APPENDIX C

## Education Reports

Governorate : Port Said  
District : Port Fouad

## SURVEY SUMMARY OF BASIC DATA &amp; OBSERVATIONS EDUCATIONAL FACILITIES

Date Prepared: 1989

FACILITY					ENROLLMENT BY SHIFT									CONDITIONS (4)				EXPAN- SION POT. (5)
CODE NO.	NAME	OWNERSHIP (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	El Cbour	G	P	B	12	566	47							A	A	B	A	N
2	El Nasr	G	P	B	12	569	47							B	B	B	B	N
3	Youssef Ashour	G	P	B	10	456	46	6	244	41				A	A	D	B	V
4	El Sayeda Khadiga	G	P	B	12	510	43	6	222	34				A	C	B	C	V
5	Gawad Hosny / Taha Hussein	G	P	B	8	265	33	7	270	39				A	B	C	B	N
6	Sinai / Port Fouad	G	P	B	9	377	42	9	347	39				A	A	B	C	V
7	Port Fouad	G	PR	M	19	825	43							C	A	C	B	H
8	Port Fouad	G	PR	F	26	907	35							A	A	A	C	H
9	Port Fouad	G	S	M	10	289	29							A	A	B	B	N
10	Port Fouad	G	S	F	13	367	28							B	A	C	B	H
11	Port Fouad (commer.)	G	S	F	14	317	23							B	A	B	A	H
12	Industrial Sec. Sch.	G	S	B	45	1007	22							A	A	A	A	H

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

Source: Wilbur Smith and Associates

Schools, Physical Condition  
Summary Sheet

Governorate: Port Said  
District : Port Fouad

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	6	5	1														5	1	-	-	3	-
Preparatory	2	1	-	1	-												1	-	1	-	-	2
Secondary	2	1	1														1	1	-	-	-	1
Special (Commercial)	2	1	1														1	1	-	-	-	2
<b>TOTAL</b>	<b>12</b>	<b>8</b>	<b>3</b>	<b>1</b>	<b>-</b>												<b>8</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>3</b> Schools	<b>5</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)

ES/E-3PFPS



## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Port Said  
 District : Port Fouad

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
1- El-Obour Prim. School	- Repair & maintenance of W.C.s - Repair of electricity	3,000 2,000
2- El Nasr Prim. School	- Repair the WC, electricity, doors and windows - Furniture; chairs, desks, teachers' desks and and typing machines	5,500 20,000
3- Youssef Ashour Prim. School	- Maintenance of W.C.s - Maintenance of doors & windows - Maintenance of electricity works	3,000 500 1,000
4- Port Fouad Prep. School for Boys	- Construction of 18 classrooms - Equipment and Furniture - Paving the school's courtyard - Desk saw + Tape saw + Yogurt machine	100,000 8,000 48,000 5,000
5- Port Fouad Sec. School for Boys	- Repair the W.C.s and electricity - Furniture; chairs, and photocopy machines - General maintenance for the building - Fixing the doors & windows	5,000 13,000 20,000 500
6- Port Fouad Sec. School for Girls	- Repair the W.C.s - Repair of electricity - Typing and photocopy machines - Chairs & cupboards	3,000 2,000 5,000 1,500
7- Port Fouad Commercial Sec. Sch. for Girls	- Building and WC maintenance - Equipment	20,000 3,000
	TOTAL	269,000

Governorate : Port Said  
District : East

## SURVEY SUMMARY OF BASIC DATA &amp; 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.					
1	El Nile	R	P	B	10	173	17							D	C	C	C	N
2	El Taymoreya / El malek Feysal	G	P	B	10	460	46	10	450	45				B	B	B	D	V
3	El Kanal	G	P	B	9	423	47							A	A	A	C	V
4	Amr Ebn Elas/ Aly Ebn Aby Taleb	G	P	B	15	655	44	15	631	42				A	B	B	C	V
5	El Zaher / El Fath	G	P	B	9	321	36	11	400	36				A	A	B	B	V
6	Om El Moamenen / Hamed El Alfy	G	P	B	6	291	49	7	277	40				A	A	B	C	V
7	El Farma / El Andalos	G	P	B	11	505	46	11	412	37				A	A	B	B	V
8	Aly Mobarak	G	P	B	17	922	54							A	A	B	C	H
9	El Kanal / El Malek Feysal	G	PR	M	30	1121	37	30	973	32				A	A	B	B	H
10	El Mosheer Ahmed Ismail	G	S	F	26	685	26							B	C	C	C	H/V

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

Source: Wilbur Smith and Associates

Schools, Physical Condition  
Summary Sheet

Governorate: Port Said  
District : East

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	8	6	1	-	-				1					6	1	-	1	6	-
Preparatory	1	1	-	-	-									1	-	-	-	-	-
Secondary Commercial	1	-	1	-	-									-	1	-	-	1	1
Special Education																			
<b>TOTAL</b>	<b>10</b>	<b>7</b>	<b>2</b>	<b>-</b>					<b>1</b>					<b>7</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>7</b> School	<b>1</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)

Type	Shifts (as of 85)						Total	Additional Classrooms Needed																					
	1 Shift		2 Shifts		3 Shifts			1st Year				2nd Year				3rd Year				4th Year				5th Year					
	No. of Class	No. of Stud.	Dens.	No. of Class	No. of Stud.	Dens.		No. of Class	No. of Stud.	Dens.	F	T	SH	SH	T	F	T	SH	SH	T	F	T	SH	SH	T	F	T	SH	SH
P.	87	2747	40	84	2170	40	241	5917	40	-	-	58	27	-	-	62	29	-	-	66	32	-	-	70	38	-	-	74	40
Pre.	20	1101	37	20	970	32	40	2094	28	-	-	71	24	-	-	77	28	-	-	83	32	-	-	87	38	4	-	93	44
S.T.	26	138	26	-	-	-	26	138	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.E.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	147	5564	37	84	3140	37	287	8607	36	-	-	97	51	4	-	9	54	5	-	101	52	4	-	107	58	8	-	113	62

P = Preparatory  
 Pre = 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, SH = 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, SH = 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.1, SH.2 and T do not take into consideration the number needed for F.) The District would construct SH.1 or SH.2 or T. No. of classrooms, not F plus that number.

STANDARD DENSITY :

- (40 P./ Pre.)
- (26 S. General)
- (22 S.T. & C.)

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

Average Density (C)

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

Average Density (C)

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

Average Density (C)

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

Standard Density

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATION FACILITIES

Governorate : Port Said  
 District : El Arab

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
Kasem Amin	Repair and maintenance of the buildings&W.C.s	25,000
Ashtoum El Gaxeel	Repair of roof (5 classes)	37,000
El Gonhorreya/El Wasfeya	Maintenance	25,000
Omar Ebnel Khattab	Equipment for carpentry workshop	15,000
Khaled Ebnel Waleed	Construction	72,000
El Khalifa El Maamoun/ Omar Ebn Abdel Aziz	Maintenance	3,000
Port Said Preparatory School	Maintenance of building	25,000
El Tahrir	Repair and maintenance of building and WC	20,000
Port Said/ Hoda Shaarawi	Repair of building	15,000
Ebn Khaldoun	Purchase of desks	3,750
Port Said Secondary School, for boys	Maintenance of building and repair of electricity	13,000
Port Said Secondary School, for girls	Repair and maintenance of building	45,000
Port Said Commercial School, for boys	Repair and maintenance	20,000
Ahmed Orabi Commercial School, for girls	Comprehensive repair	20,000
<b>TOTAL</b>		<b>338,750</b>

run/E-5arab

Governorate : Port Said  
District : El Manakh

E-2

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	El Fekria	G	SE	B	16	90	6							B	B	B	F	V
2	El Zohour 1/2	G	P	B	14	626	45	14	633	45				A	A	A	A	V
3	El Shaima-El Khanaas	G	P	B	13	644	50	13	610	47				A	A	B	A	V
4	Nabil Mansour Mohamed Farid	G	P	R	12	532	44	12	482	40				A	A	B	A	V
5	Omar Makram-Abbas EL Akkad	G	P	B	23	1027	45	22	1037	47				B	C	A	B	V
6	El Naser Salah El Din	G	P	B	19	880	46	18	777	43				C	C	C	A	N
7	El Salam El Aasher Min Ramadan	G	P	B	13	613	47	13	533	41				A	B	B	C	V
8	El Kuwait Rafea El Tahtawy	G	P	B	13	530	41	13	537	41				A	B	B	B	V
9	Omar Bin El Khattab	G	P	B	11	380	35	10	367	37				A	B	D	E	H/V
10	Khaled Bin El Walid	G	P	B	13	564	43	12	459	38				A	B	B	A	V
11	Nabil El Wakkad-Mohamed Karim	G	P	B	14	588	42	14	658	47				A	A	A	A	V
12	El Manakh- Mohamed Sarhan	G	P	B	14	632	45	14	665	48				A	A	A	E	H
13	Malhaket El Molemat	G	P	B	16	676	42	16	671	42				A	A	B	B	N
14	Osman Bin Affan-Emad Oraby	G	P	B	12	563	47	12	453	38				A	A	A	B	V
15	El Shaheed El Safty-El Zahraa	G	P	B	12	450	38	13	450	35				A	B	B	B	V
16	Tarek Bin Zyad-El Fateh	G	P	B	13	575	44	13	603	46				A	B	A	A	V
17	El Shohada-El Shahid El Makadim	G	P	B	14	617	44	13	575	44				A	B	B	B	N
18	El Amin - Salah Salem	G	P	B	13	550	42	12	526	44				A	B	A	C	H/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

af/E-2 PSH

Governorate : Port Said  
District : El Manakh

E-2

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.	
19	El Galaa-Abu Sakr El Seddik	G	P	B	13	559	43	12	439	37				C	A	B	B	H/V
20	Mostafa Kamel	G	P	B	13	672	52							A	A	B	A	N
21	El Batal	G	P	B	16	703	44							B	A	B	D	H
22	El Gamal Yousef/Talaat Harb	G	P	B	8	260	33	6	196	33				A	B	B	B	N
23	Teniass	MO	P	B	15	738	49							A	A	B	A	H
24	Naser - El Salam	G	PR	F	30	1036	35							A	C	B	B	V
25	Ebn Sinaa	G	PR	M	25	929	37							A	A	A	A	H
26	El Naser	G	PR	M	23	821	36							A	A	A	A	V
27	Saad Zaghloul-Abd El Rahman Shokry	G	PR	M	16	556	35	15	458	31				A	A	A	A	H
28	El Salamia	G	PR	F	29	911	31							A	A	A	A	V
1	El Kanal	G	S	M	21	496	24							A	A	B	B	N
2	El Naser	G	S	M	26	799	31							A	A	A	A	V
3	6 October	G	S	F	26	652	25											
4	Mechanical Port Said	G	S	M	49	1300	27							A	C	B	C	V/H
5	Port Said	G	S	F	27	837	31							A	B	C	B	N
6	El Maamaria	G	S	M	25	700	28							A	D	A	A	H
7	Dar El Moolemat	G	S	F	16	495	31							A	A	A	A	N
8	Dar El Moolmeen	G	S	M	10	247	25							A	A	A	B	N
9	Commercial Port Said	G	S	M	36	830	23							A	A	D	D	V
10	El Sadat El Tagribia	G	S	B	25	700	28							A	A	A	A	N
11	El-Zokhrofia	G	S	M	14	447	32							B	C	D	D	V/H

NOTES: 1. Ownership - G (Government), R (Rented), MO (Moana)  
2. Schools - P (Primary), PR (Preparatory), S (Secondary), SE (Special Education)  
3. Sex - F (Female), M (Male), B (Both)

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

Source: Wilbur Smith and Associates

Schools, Physical Condition  
Summary Sheet

Governorate: Port Said  
District : El Manakh

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	22	18	2	2	-													18	2	2	-	15	5
Preparatory	6	6	-	-	-									6	-	-	-					5	2
Secondary	3	3	-	-	-									3	-	-	-					-	2
Secondary (Technical)	9	6	3	-	-									6	3	-	-					4	3
Special Education	1	-	1	-	-									-	1	-	-					1	-
<b>TOTAL</b>	<b>41</b>	<b>33</b>	<b>6</b>	<b>2</b>	<b>-</b>									<b>33</b>	<b>6</b>	<b>2</b>	<b>-</b>					<b>25</b> Schools	<b>12</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)

No.	Schools (as of 59)									Total		Additional Classrooms Needed																			
	1 Shift			2 Shifts			3 Shifts			(1)	(2)	1st year				2nd Year				3rd Year				4th Year				5th Year			
	No. of Clr.	No. of Stu.	Dens.	No. of Clr.	No. of Stu.	Dens.	No. of Clr.	No. of Stu.	Dens.	No. of Clr.	No. of Stu.	Dens.	F	J	2	T	F	J	2	T	F	J	2	T	F	J	2	T	F	J	2
P.	93	4021	43	51	1378	27				144	5919	41	-	55	59	-		59	63	-		63	67	-		68	72	-		72	76
Pr.	128	4484	35	22	608	28				150	5092	34	-	25	2	-		20	6	-		24	10	-		29	14	-		43	17
S.	78	2497	32	-	-	-				75	2497	33	3	-	-	8	-	-	-	7	-	-	9	-	-	9	-	2	11	-	4
S. T.	42	1000	24	-	-	-				40	1000	25	1	-	-	2	-	-	3	-	-	6	-	-	6	-	-	6	-	-	
S. E.																															
Total:	339	12002	35	73	2586	34				412	14509	35	4	81	62	7		59	69	10		97	77	14		107	88	17		115	97

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

F = Additional Classrooms Per Year Needed to be Constructed for Future Population at Existing Student 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 Student Density Level, Based on Declared Rate of Growth.

T. = Additional Classrooms Needed to be Constructed to Meet Education Department's Student 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.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.)
- (28 S. General)
- (22 S.T. & C.)

33

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

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

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

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

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATIONAL FACILITIES

Governorate : Port Said  
 District : East

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
1- El Nile Prim. Sch.	- Needs new building	400,000
2- El Malek Feysal Prim. Sch.	- General maintenance.	3,000
3- El Kanal Prim. Sch.	- Maintenance of W.C.s.	1,000
4- Amr Ebn Ellass Prim. Sch.	- Maintenance of W.C.s.	3,000
	TOTAL	407,000

ES/E-5EP

Governorate : Port Said  
District : El Arab

## SURVEY SUMMARY OF BASIC DATA &amp; 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 SCHCOL (2)	SEX (3)	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	CLASS- ROOMS	STUD- ENTS	AVE. DENS.	EUILD- ING	LIGHT- ING	EQUIP- MENT	W.C.	
1	Ibn Khaldoun	G	PR	M	20	648	32							A	A	B	B	H
2	Kasem Amin	R	P	B	9	394	44	9	321	37				B	B	B	D	N
3	Safeya Zaghloul	G	P	B	8	352	44							A	A	A	A	N
4	Ashtoun El Gameel	G	P	B	32	1545	48							A	A	A	A	V
5	El Gonnoreya/El Wasfeya	MO	P	B	13	533	41	12	452	38				A	A	B	A	N
6	Omar Ebnel Khattab /El Farouk	G	P	B	11	380	35	10	367	37				B	B	D	B	V
7	Khaled Ibnel Waleed	G	P	B	13	564	43	12	459	38				A	B	B	A	V
8	El Khalifa El Maamour/ Omar Ebn Abdel Aziz	G	P	B	7	253	36	8	289	36				A	A	B	B	N
9	Port Said	G	PR	M	33	1203	36							A	A	B	B	N
10	El Tahrir	G	PR	F	31	1037	33							A	A	B	A	H
11	Port Said/ Hoda Shaarawi	G	PR	F	24	750	31	22	608	28				B	A	B	C	H
12	El Hadi/ El Hadidi	G	PR	F	20	846	42							A	A	C	A	H/V
13	Port Said Sec. Sch., for boys	G	S	M	33	946	29							A	C	B	C	N
14	Port Said Sec. Sch., for girls	G	S	F	42	1551	37							A	A	A	C	V
15	Port Said Commercial School	G	S	M	18	333	19							A	B	B	A	N
16	Ahmed Orabi Commercial	G	S	F	25	697	28							A	A	B	C	V

Notes: 1. Ownership - G (Governorate), R (Reneted), 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 Associates

Schools, Physical Condition  
Summary Sheet

Governorate: Port Said  
District : El Arab

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	7	4	1				1			1								5	2			3	-
Preparatory	5	4	1															4	1			1	4
Secondary (General)	4	4																4				2	-
Primary/Preparatory/Secondary																							
Preparatory/Secondary																							
Secondary (Technical)																							
Special Education																							
<b>TOTAL</b>	<b>16</b>	<b>12</b>	<b>2</b>				<b>1</b>				<b>1</b>							<b>13</b>	<b>3</b>			<b>6 sch.</b>	<b>4 sch.</b>

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 59)									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 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.	304	13379	44	252	10571	42	-	-	-	556	24050	43	-	-	270	713	-	-	256	330	-	-	302	347	7	-	318	365	15	-	333	382
Pr.	140	4849	35	61	2222	36	-	-	-	201	7071	35	-	-	67	42	-	-	72	46	-	-	79	51	-	-	88	57	-	-	91	62
S.	70	1947	27	-	-	-	-	-	-	70	1947	27	-	-	-	-	3	-	-	-	5	-	-	-	7	-	-	-	9	-	-	
S.T.	270	7655	28	76	1094	30	-	-	-	346	8750	29	-	-	40	11	-	-	48	18	17	-	57	26	-	-	66	34	-	-	75	42
S.E.	16	50	3	-	-	-	-	-	-	16	50	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	802	27921	35	349	13787	40	-	-	-	1152	41908	36	1	-	377	766	3	-	407	374	5	-	428	424	14	-	467	456	24	-	511	487

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.

n = 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.)
- (26 S. General)
- (32 S.T. & C.)

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

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

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

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

Governorate : Port Said  
District : El Manakh

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATION FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
1. El Shaimaa / El Khansaa	Procurement of chairs Procurement of cupboards Procurement of teachers desks	3,750 120 400
2. Onar Makram / Abbas El Akkad	Procurement of teachers desks Procurement of chairs	3,750 350
3. El Naser / Salah El Din	Procurement of chairs Procurement of Desks Procurement of teachers desks	4,500 350 300
4. El Salam / El Aasher Min Ramadan	Procurement of chairs	3,750
5. El Kuwait / Rafea El Tahtawi	Procurement of desks Procurement of chairs	350 3,750
6. Onar Bin El Khattab / El Farouk	Procurement of chairs Procurement of teachers desks Procurement of desks	2,250 300 350
7. Khaled Bin El Walid / Mohamed Karim	Construction of 6 classrooms Procurement of desks	78,000 3,750
8. Nabil El Wakkad / Mohamed Karim	Construction of 6 classrooms	78,000
9. El Manakh / Mohamed Sarhan	Procurement of desks Construction of 3 classrooms	3,750 39,000
10. Molhaket El Moalemat / Port Said	Procurement of desks Construction of 6 classrooms	3,000 78,000
11. Osman Bin Affan / Ahmed Orabi	Construction of 6 classrooms Procurement of desks	78,000 3,750
12. El Shahid El Santi / El Zahran	Procurement of desks Construction of 3 classrooms Procurement of chairs	3,750 39,000 700

af/E-5 PSH

Governorate : Port Said  
 District : El Manakh

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## EDUCATION FACILITIES

Date Prepared: 1989

Facility Titles	Description of Improvement	Total Estimated Cost (LE)
13. Tarik Bin Zyad / El Fateh	Procurement of chairs Procurement of desks Construction of 3 classrooms	350 3,750 39,000
14. El Shohada / El Shahid Abdel Mokadem	Construction of 3 classrooms Procurement of chairs Procurement of desks	39,000 700 3,750
15. Naser / El Salam	Procurement of teacher desks Procurement of chairs	320 3,750
16. El Fakria	Construction of 4 classrooms Procurement of Audio-Phones.	52,000 1,600
17. Port Said Sec. School	Procurement of desksclassroom	15,000
18. Nabil Mansour Prim. School	Procurement of desksbs Teacher's desks	10,875 120
19. El Zhour Prim. School	Procurement of desks	3,750
20. El Amin Prim. School	Procurement of desks	1,500
21. Port Said Industrial for girls	Procurement of desks	3,750
	total	612,185

af/E-5 PSM1

Governorate : Port Said  
District : El Dawahy

## SURVEY SUMMARY OF BASIC DATA &amp; 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			BULD- 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	Al Kab	G	P	B	6	181	30							B	A	B	B	N
2	Al Madina Al Monawna	G	P	B	16	751	47							A	A	D	D	H
3	El Emam El Houssien/El Yarnouk	G	P	B	18	836	46	18	841	47				A	A	D	B	H
4	El Kabouti/ Asmaa Bent Abu Bakr	G	P	B	12	539	45	6	281	47				A	B	B	B	H
5	Saad Zaghloul / El Ahd.	G	P	B	17	716	42	17	651	38				A	C	B	C	H
6	Attef El Sadaat/Abdel Moneem Feyad	G	P	B	9	401	45	9	409	45				Moved to El Kabouti Primary School				
7	Ismail El Kabbany / Badr.	G	P	B	13	573	44	13	582	45				D	B	C	B	H
8	El Emam Mohamed Abdou	G	P	B	13	591	45							A	D	B	B	N
9	El Sayeda Aesha	G	P	B	23	1011	44	23	1009	44				A	A	B	A	H/V
10	Belal Ebn Rabah	G	P	B	12	504	42							A	A	C	A	H
11	El Monasera	G	P	B	15	135	9							A	A	B	A	H/V
12	Mahmoud Nabil	G	P	B	6	243	41							B	B	B	B	N
13	El Sayeda Nafisa	G	P	B	14	627	45							B	B	C	C	H
14	El Kabouti	G	Pr	M	14	526	38	14	556	40				C	B	B	C	V
15	Port Said	G	Pr	M	7	181	26							A	B	D	B	V
16	Hafiz Ibrahim	G	Pr	M	16	497	31							A	A	B	A	V/H
17	El Sayeda Nafisa	G	Pr	B	3	65	22							A	B	C	B	N
18	Ahmed Shawi	G	Pr	M	16	558	35							A	A	B	A	H/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

Schools, Physical Condition  
Summary SheetGovernorate: Port Said  
District : El Dawahy

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	12+	8	3	-	:													8	3	-	1	2	9
Preparatory	1 moved 5	4	-	1	-													4	-	1	-	4	2
Secondary	-	-	-	-	-													-	-	-	-	-	-
Special Education	-	-	-	-	-													-	-	-	-	-	-
<b>TOTAL</b>	<b>17+</b> <b>1 Moved</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>1</b>													<b>12</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>6</b> <b>Schools</b>	<b>11</b> <b>Schools</b>

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 &amp; minor repairs) &lt;10% of facility needs work

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

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

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

ES/E-3Dawah1

Type	Schools (as of 89)									Total	Additional Classrooms Needed																					
	1 Shift			2 Shifts			3 Shifts				1st year <sup>1</sup>				2nd Year <sup>1</sup>				3rd Year <sup>1</sup>				4th Year <sup>1</sup>				5th Year <sup>1</sup>					
	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	1 SH	2 SH	T	F	1 SH	2 SH	T	F	1 SH	2 SH	T	F	1 SH	2 SH	T	F	1 SH	2 SH
P.	174	7108	41	86	7770	44	--	--	--	260	10881	42	-	-	92	105	--	--	99	110	--	--	107	121	--	--	114	129	--	--	122	137
PR.	56	1827	33	14	552	40	--	--	--	70	2380	34	-	-	14	5	--	--	16	7	--	--	20	8	--	--	22	10	--	--	24	12
S.	--	--	--	--	--	--	--	--	--	--	--	--	-	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
S. E.	--	--	--	--	--	--	--	--	--	--	--	--	-	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total	230	8935	39	100	8329	43	--	--	--	330	13264	40	-	-	106	110	--	--	117	120	--	--	127	130	--	--	136	139	--	--	146	149

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.

<sup>1</sup> = 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.)

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

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

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

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

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Port Said  
 District : El Dawahy

## EDUCATIONAL FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
1. El Madina Al Monawara Prim. School	- W.C.s repair	25,000
2. El Kabouty / Asmaa Bent Abu Bakr. Prim. School	- Construction of (6) classrooms	90,000
3. El Kabouty Prep. School for Boys.	- Upgrading of the old building	350,000
4. El-Emam El-Houssien / El-Yarmouk Prim. School	- W.C.s repair	40,000
5. Port Said El-Mehania Prep. School	- Construction of 2 labs.	30,000
	- Construction of W.C.	20,000
	- Construction of 2 workshops.	30,000
<b>TOTAL</b>		<b>585,000</b>

ES/E-5Dawahe1

# APPENDIX D

## Youth Reports

## PUBLIC YOUTH CENTERS

## SURVEY SUMMARY &amp; BASIC DATA AND OBSERVATIONS

Governorate : Port Said  
District : Port Fouad

Date Prepared: 1969

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-	Port Said rowing club	Sports/Social	Rowing Activity	1,120	Port Said	10,000	C	B	C	A	C	B	A	H
2-	Port Fouad Youth Club	Sports/Social	All types of Activities	1,600	Port Said	15,000	B	B	C	A	B	A	A	V

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



## PUBLIC YOUTH CENTERS

## SURVEY SUMMARY &amp; BASIC DATA AND OBSERVATIONS

Governorate : Port Said  
District : East

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	A.C.	LIGHTING	PLAYGROUND	WATER/SEWER	SURROUNDING AREA	
1	El Deal Club.	Sports and social club	All activities	2,027	El-Arab and East District	20,000	B	B	B	B	B	B	A	V

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

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## YOUTH FACILITIES

Governorate : Port Said  
 District : East

Date Prepared: 1989

Youth facility	Description of Improvement	Total Estimated Cost (LE)
1- El Qnal Club.	Theater preparing	30,000
	Construction of additional floor	20,000
	Construction of computer center	30,000
	Maintenance and fixing of doors and windows.	10,000
	Construction of additional floor	45,000 -----
	TOTAL	135,000

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## PUBLIC YOUTH CENTRES

## SURVEY SUMMARY &amp; BASIC DATA AND OBSERVATIONS

Governorate : Port Said  
District : El Arab

Date Prepared: 1989

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 Maaref Club	Sporting, Social	All types of activities		El Arab/ East Districts	C	C	D	C	C	C	C	B	H
2	El Mareikh Club	Sporting, Social	All types of activities		El Masken El Ehaabeyar/ El Golf/ El Klit	A	A	D	B	A	A	A	A	H/V
3	El Salaa Youth Club	Sporting, Social	All types of activities		El Salaa/ El Daway	B	B	B	C	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 (No) - units of #2

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## PUBLIC YOUTH CENTERS

## SURVEY SUMMARY &amp; BASIC DATA AND OBSERVATIONS

Governorate : Port Said  
District : El-Manakh

Date Prepared: 1967

NO.	FACILITY						FACILITY CONDITION (1)							EXPANSION POTENTIAL (2)
	NAME	TYPE OF FACILITY	ACTIVITIES PROVIDED	MEMBERSHIP	APPROXIMATE AREA SERVED	APPROXIMATE POPULATION SERVED	BUILDING	EQUIPMENT	M.C.	LIGHTING	PLAYGROUND	WATER/SEWER	SURROUNDING AREA	
1	Port Said Club	Sports & Social	All-activities	600	El-Manakh District	10,000	A	B	A	B	C	A	B	V
2	October Sports Hall	Sports & Social	" "	50,000	Port Said Clubs	5,000	B	D	C	A	C	C	B	H
3	Port Said Stadium	Sports & Social	" "	25,000	Port Said	25,000	B	D	B	B	B	C	A	H
4	El-Johor Youth Center	Sports & Social	" "	200	El-Johor	250	A	D	A	D	D	C	A	H
5	El-Shatea Youth Center	Sports & Social	" "	5,000	All Governorate	50,000	B	B	C	B	B	C	B	H
6	El-Sarabas Youth Center	Sports & Social	" "	200	El-Sarabas	200	A	D	A	D	D	D	B	H
7	El-Manasra Youth Center	Sports & Social	" "	250	El-Manasra	250	A	D	A	D	D	D	B	N
8	The Scouting	Sports & Social	" "	50,000	All Governorate	50,000	A	B	C	A	B	A	A	H
9	Popular Area	Sports & Social	" "	2,000	El-Manakh	2,000	C	B	B	B	A	A	B	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														

Governorate : Port Said  
 District : El-Manakh

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## YOUTH FACILITIES

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
1. Port Said Club	- Equipment	76,350
2. Port Said Stadium	- Equipment	448,500
3. The Scouting Camp	- Construction of additional Unit. - Construction of W.C.	222,000 40,000
4. The Popular area	- Construction of a new administration building	169,000
5. El-Shatea Youth Center	- Construction preparation of the court yard (playground). - Construction of lockers	243,000
	Total Cost	1,198,850

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## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## YOUTH FACILITIES

Governorate : Port Said

District : El Dawahy

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
El-Shark Club	<ul style="list-style-type: none"> <li>- Completing the club building.</li> <li>- Furniture</li> </ul>	10,000 1,000
TOTAL		11,000

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# APPENDIX E

## Health Report

Governorate : Port Said  
 District : Port Fouad

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR  
 PUBLIC HEALTH FACILITIES

Date Prepared: 1959

FACILITY		OUT-PATIENT					IN-PATIENT					FACILITY CONDITION (1)								EXP. POT. (2)	
NO.	NAME	SERVICE AREA	AVE. PATNS /DAY	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	AVE. PATNS /DAY	AVERAGE STAY/	No. BEDS	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS	WATER SEWER	W.C.'S	
1	Port Fouad General Hospital	Port Fouad	110	65 TOTAL	71/73	Dermatology Obstetrics Surgery / Orthopedics Urology Dental / Pediatrics Medicine	15	--	160	65	71/73	Safe	B	B	B	B	B	B	C	C	V

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 : Port Said  
District : Port Fouad

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
Port Fouad General Hospital	- Medical equip. and apparatuses	857,495
	TOTAL	857,495

\* The description of Health Facilities improvement for Port Fouad General Hospital (Table H-3) is in Arabic report only.

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Governorate : Port Said  
District : East

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR  
PUBLIC HEALTH FACILITIES

Date Prepared: 1989

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/	No. BEDS	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. RDM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS		WATER SEWER	W.C.'S
1	Port Said Public Hospital	East Dist.	340	--	--	Surgery Dental Orthopedics Pediatrics ENT Medicine Obstetrics Gynecology Dermatology	31	--	315	150 / 11 for both sections	150 / 60 for both sections	The same	A	B	B	A	A	A	B	B	V
2	Health Office (1)	East Dist.	40	1 / 2	2 / 10	Immunization Family planning Infectious diseases							A	N	N	A	N	N	C	A	H
3	Ei Karantina	P. Said Gover.	120	7 / -	7 / 120	Endemic diseases							C	N	N	B	N	N	C	A	H
4	Poisons Lab.	P. Said Gover.		2 / 4	--	Food analysis for Toxins.							C	N	N	A	N	N	B	B	No
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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Governorate : Port Said  
District : East

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR  
PUBLIC HEALTH FACILITIES

Date Prepared: 1959

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	EMERG. ROOM	ILLUMI-NATION	TREATM. ROOMS	OPERAT. ROOMS	WATER SEWER	W.C.'S		
5	Bacteriological lab.	P. Said Gover.		4 / 2	8 / -	Food analyses for Bacteria.							B	No	No	A	No	No	B	B	B	H
6	Foods Lab.	P. Said Gover.		6 / 2									A	No	No	A	No	No	A	A	A	H
7	Chemical Lab.	ES Scarok		- / 2	- / 4	Imported Food analysis							A	No	No	C	No	No	A	A	A	H
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 : Port Said  
District : 1st

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
- Quarantine	<ul style="list-style-type: none"> <li>- Speedy boats</li> <li>- Ambulance car</li> <li>- Fixed wireless sets.</li> <li>- Wireless Sets</li> </ul>	<ul style="list-style-type: none"> <li>600,000</li> <li>100,000</li> <li>24,000</li> <li>9,000</li> </ul>
- Toxicology Lab.	<ul style="list-style-type: none"> <li>- Chemical toxineter apparatus</li> <li>- Blood analysis apparatus</li> <li>- Repair the floor &amp; the lab. bathroom</li> <li>- Minerals toxineter apparatus</li> <li>- Repair of ceiling and stairs of the lab.</li> <li>- Construction of chemical store (50m2)</li> <li>- Scientific books and shelves.</li> </ul>	<ul style="list-style-type: none"> <li>30,000</li> <li>60,000</li> <li>100,000</li> <li>5,000</li> </ul>
- Bacteriological Lab.	<ul style="list-style-type: none"> <li>- Repair the bathroom.</li> <li>- Construction of store (50 m2)</li> </ul>	
- Food Chemical Lab.	<ul style="list-style-type: none"> <li>- Measuring of SO2 percentage apparatus</li> <li>- Holders &amp; Clippers</li> <li>- Electrical balance</li> <li>- Electrical heater</li> <li>- Heat distribution network</li> <li>- Auto heater</li> <li>- Measuring of CO2 percentage apparatus</li> <li>- Repair the ceiling of the lab.</li> <li>- Construction of store (100m2)</li> </ul>	<ul style="list-style-type: none"> <li>500</li> <li>500</li> <li>6,000</li> <li>500</li> <li>300</li> <li>500</li> <li>300</li> </ul>

MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Port Said  
District : East

HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
<ul style="list-style-type: none"> <li>- Chemical Lab. (for food analysis)</li> </ul>	<ul style="list-style-type: none"> <li>- Small wash machine</li> <li>- Over-heated electric oven</li> <li>- Electric fans for walls</li> <li>- Electric heaters for the Lab.</li> <li>- Construction of store and bathroom</li> </ul>	<ul style="list-style-type: none"> <li>150</li> <li>7,000</li> <li>800</li> <li>1,600</li> </ul>
TOTAL		1,422,150

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SUMMARY OF BASIC DATA AND OBSERVATIONS FOR  
PUBLIC HEALTH FACILITIESGovernorate : Port Said  
District : El Arab

Data Prepared: 1989

FACILITY		OUT-PATIENT					IN-PATIENT						FACILITY CONDITION (1)							EXP. POT. (2)	
NO.	NAME	SERVICE AREA	AVE. PATNS /DAY	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	AVE. PATNS /DAY	AVERAGE STAY	No. BEDS	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS	WATER SEWER	W.C'S	
1	El Arab School Health Center	El Arab Dist.	25	7/1	37/21	Dental/ Internal Medicine/ ENT/ Cardiology/ Skin / Ophthalmology Immunization							A	A	-	A	B	-	C	A	N
2	Child Care Center	El Arab District	-	12/-	7/8	Family planning/ Epidemics			14				A	A	-	B	A	-	A	B	N
3	Health Office (2)	El Arab District	80	1/2	5/13	Immunization against all diseases							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)																					

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## HEALTH FACILITIES

Governorate : Port Said  
 District : El Arab

Date Prepared: 1989

Youth Facility	Description of Improvement	Total Estimated Cost (LE)
El Arab School Health Center	<ul style="list-style-type: none"> <li>- Construction of an examination room</li> <li>- Painting all the rooms</li> <li>- Furniture for all the rooms</li> <li>- Construction of Analysis lab.</li> <li>- Construction of secretarial office</li> <li>- Construction of WC</li> <li>- Repair of wooden floor</li> <li>- Equipment: electric fan</li> </ul>	1,500 2,000 4,000 1,000 1,000 5,000 3,000 400
Child Care Center	<ul style="list-style-type: none"> <li>- Completion of guard room</li> <li>- Medical equipment</li> </ul>	2,000 2,500
TOTAL		22,400

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Governorate : Port Said  
 District : El Manshi

H-2

SUMMARY OF BASIC DATA AND OBSERVATIONS FOR  
 PUBLIC HEALTH FACILITIES

FACILITY		OUT-PATIENT					IN-PATIENT						FACILITY CONDITION (1)						EXP POT (2)			
NO.	NAME	SERVICE AREA	AVG.PATNS /DAY	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	AVG.PATNS /DAY	AVERAGE STAY/DAYS	NO. BEDS	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	BLDG.	PHARMACY	EMER- ROOM	ILLUM- INATION	TREATM. ROOMS	OPER. ROOMS		WATER SEWER	N.C.S	
1	El Naser Public Hospital	El Manshi Dist.	200	45/5	9/10	Medicine Surgery Obstetrics Pediatrics Urology Dental Dermatology	181		200	100/15	105/60	Surgery Obstetrics Urology Pediatrics Dental	A	A	A	A	A	A	A	A	A	H
2	Fever Hospital	All Dist.	100	2/-	46/-	Fever Infectious Diseases	25		104	25/-	46/70	Fever Infectious Diseases	B	B	A	A	A	A	A	A	A	H/V
3	El-Rasad	All Dist.	170	39/16	41/66	Ophthalmology	35	2-3	68	39/16	41/66	Ophthalmology	A	A	A	A	A	A	B	A	A	V
4	M.M.R.Unit (Mass-Miniature- Radiography Unit)	All Dist.	150	1/1	7/8	Tuberculo- sis (T.B.) Immuniza- tions							A	-	C	A	A	-	A	A	A	N
NOTES: 1. Conditions - A (Good), B (Fair), C (Poor), D (Serious) 2. Expansion Potential - H (Horizontal), V (Vertical), N (No)																						

Source: Wilbur Smith and Associates

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SUMMARY OF BASIC DATA AND OBSERVATIONS FOR  
 PUBLIC HEALTH FACILITIES

NO.	FACILITY NAME	SERVICE AREA	OUT-PATIENT				IN-PATIENT						FACILITY CONDITION (1)							EXP. POT. (2)	
			AVG. PATNS /DAY	PHYSICIAN/TECH. STAFF	NURSES/OTH. STAFF	TREATMENT	AVG. PATNS /DAY	AVERAGE STAY/DAYS	NO. BEDS	PHYSICIAN/TECH. STAFF	NURSES/OTH. STAFF	TREATMENT	BLDG.	PHARMACY	EMER. ROOM	ILLUMINATION	TREATM. ROOMS	OPER. ROOMS	WATER SEWER		W.C.'S
5	Medical Center in El-Kuwait	El Manakh Dist.	500	35/9	40/103	Simple Surgery Obstetrics Prevention Medicine							C	D	C	B	C	B	C	B	N
6	El-Manasra Health Center	El Manakh Dist.	90	12/2	2/2	Dermatology Medicine Dental							D	C	C	C	C	C	C	D	H
7	Health Office (2)	El Manakh Dist.	75	1/2	4/18	Dermatology Medicine Dental							C	-	-	B	-	-	A	A	N
8	El-Manakh School Health Center	El Manakh Dist.	100	3/2	0/4	Dermatology Dental Immunizations Psychiatrics							B	B	-	C	B	-	C	B	N

NOTES: 1. Conditions - A (Good), B (Fair), C (Poor), D (Serious)  
 2. Expansion Potential - H (Horizontal), V (Vertical), N (No)

Source: Wilbur Smith and Associates

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Governorate : Port Said  
District : El-Manakh

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
1. El-Ramad Hospital	<ul style="list-style-type: none"> <li>- Surgical Microscope for operations.</li> <li>- Purchasing of 30 beds.</li> <li>- Purchasing of 30 closets.</li> <li>- Purchasing of 10 big tables.</li> </ul>	
2. El-Kuwait medical Center	<ul style="list-style-type: none"> <li>- X-ray apparatus and preparing of Radiology room.</li> <li>- 10 Sphygmomanometers.</li> <li>- 10 Stethoscopes.</li> <li>- 4 Fetal Stethoscopes.</li> <li>- Sonogram apparatus</li> <li>- Preparing and equipping an operation room.</li> <li>- 100 Chairs.</li> <li>- 10 Desk fans.</li> <li>- 10 Desks.</li> <li>- 10 Cupboards.</li> <li>- Construction of fence around the center.</li> <li>- General maintenance.</li> </ul>	40,000
3. El-Manasra Rurla Unit	<ul style="list-style-type: none"> <li>- Reconstructing the building.</li> </ul>	120,000
4. Fever Hospital	<ul style="list-style-type: none"> <li>- Complete the construction of 4 rooms for out-patient clinic.</li> <li>- Sonogram apparatus.</li> <li>- Electric oven</li> <li>- Preparing an air-conditioned room for the sunstroke cases.</li> <li>- Purchasing of 5 refrigerators.</li> <li>- Purchasing of 10 Sphygmomanometers.</li> <li>- Purchasing of 100 Stethoscopes.</li> <li>- Providing W.C. with hotwater.</li> </ul>	40,000 50,000 35,000 12,000 5,000 200 200 5,000

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Governorate : Port Said  
District : El-Manakh

## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

## HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
5. El-Manakh School Health Center	<ul style="list-style-type: none"> <li>- Preparing of dressing room.</li> <li>- Preparing and equipping the Lab.</li> <li>- Purchasing of furniture.</li> </ul>	- 2,000 -
6. M.M.R. Unit (Mass-Miniature-Radiography Unit)	<ul style="list-style-type: none"> <li>- M.M.R car</li> <li>- Bag for Immunizations.</li> <li>- Immunological syringes.</li> <li>- Need false teeth.</li> <li>- X-ray apparatus for M.M.R.</li> </ul>	160,000 500 1,000 1,000 100,000
7. El-Nasr Public Hospital	<ul style="list-style-type: none"> <li>- Gastro-Scope apparatus</li> <li>- Dietrice apparatus with 400 watt power.</li> <li>- Orthopedics apparatus.</li> <li>- Portable X-ray apparatus.</li> <li>- Ultrasonic apparatus for Physio-Therapy.</li> <li>- Colonoscope apparatus, with accessories.</li> <li>- Laryngoscope apparatus.</li> </ul>	45,000 9,000 15,000 18,000 8,000 35,000 8,000
	TOTAL	709,900

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FACILITY		OUT-PATIENT					IN-PATIENT						FACILITY CONDITION (1)							EXP. POT. (2)	
NO.	NAME	SERVICE AREA	AVE. PATNS /DAY	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	AVE. PATNS /DAY	AVERAGE STAY/	No. BEDS	PHYSICIAN/ TECH. STAFF	NURSES/ OTH. STAFF	TREATMENT	BUILDING	PHARMACY	EMERG. ROOM	ILLUMINATION	TREATM. ROOMS	OPERAT. ROOMS	WATER SEWER		W.C.'S
1	El Kabouty Health Center	El Kabouty	150	12 Dr. --	9 Nurses / 28 employees	General / Dermatology / Internal Medicine							A	A	N	A	A	N	A	B	H
2	El Kab Unit	El Kab/ Ca Khalaf	25	1 Dr. --	2 Nurses / 4 employees	Simple Surgery							B	A	N	B	A	N	C	C	H
3	Baher El Baker El Kadisa Unit	Baher El Baker	50	2 Dr. / 2 Tech.	2 Nurses / 5 employees	Dermatology / Pediatrics / Malnutrition / Infectious diseases							C	B	N	N	C	N	C	C	N
4	Baher El Baker El Gadida Unit	El Awasera / El Mallaha / El Ballata / El Matbaria	50	1 Dr. ---	2 Nurses / 5 employees	Dermatology / Bilharzia / Malnutrition / Parasites							C	D	N	B	B	N	D	D	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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## MULTI-YEAR CAPITAL IMPROVEMENTS PROGRAM

Governorate : Port Said  
 District : El Dawahy

## HEALTH FACILITIES

Date Prepared: 1989

Facility Title	Description of Improvement	Total Estimated Cost (LE)
1. Urban Medical Center - in El-Kabouty	<ul style="list-style-type: none"> <li>- Cardiographic apparatus</li> <li>- Window screens</li> <li>- Blood analysis equipment</li> <li>- Fans and iron screens</li> <li>- Ventilators and fans.</li> <li>- Chairs for waiting room.</li> <li>- Fence (to surround the building).</li> </ul>	15,000
2. Rural Unit - in El Kab.	<ul style="list-style-type: none"> <li>- Complete Dental unit,</li> <li>- Desk, shelves and seats for the clinic &amp; warehouse.</li> <li>- Complete electric maintenance work.</li> <li>- Carpets for the clinic &amp; the doctors' residence</li> <li>- Plumbing equipment.</li> </ul>	85,000
3. Baher El Baker El-Kadima Unit	<ul style="list-style-type: none"> <li>- Maintenance of sewerage &amp; potable water networks</li> <li>- Lab. equipment.</li> <li>- Stoves, refrigerators &amp; electric water pumps.</li> <li>- Examining beds and furniture.</li> <li>- Surgery equipment.</li> <li>- Delivery room.</li> <li>- Water tanks</li> <li>- Electric generator</li> </ul>	40,000
4. Baher El Baker Rural El-Gedida Unit	<ul style="list-style-type: none"> <li>- Fence (to surround the building.)</li> <li>- Ceiling repair</li> <li>- Completing the Lab. equipment.</li> <li>- Plumbing works</li> <li>- Furniture and carpets.</li> <li>- Water pipes and water tanks.</li> </ul>	140,000
TOTAL		140,000

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