

AID 1350-1X (7-71)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country Egypt	Page 1 of 5 Pages
		2. PIO/T No. 263-016-3-70005	3. <input checked="" type="checkbox"/> Original or Amendment No. _____
		4. Project/Activity No. and Title 263-0016 PD-AAC-250 Applied Science and Technology	

DISTRIBUTION	5. Appropriation Symbol 72-1171006		6.A. Allotment Symbol and Charge 756-54-263-00-69-71		6.B. Funds Allotted to: <input type="checkbox"/> A.I.D./W <input checked="" type="checkbox"/> Mission																																									
	7. Obligation Status <input type="checkbox"/> Administrative Reservation <input type="checkbox"/> Implementing Document				8. Funding Period (Mo., Day, Yr.) From <u>7/23/77</u> to <u>8/15/77</u>																																									
	9.A. Services to Start (Mo., Day, Yr.) Between <u>July 23, 1977</u> and <u>July 25, 1977</u>				9.B. Completion date of Services (Mo., Day, Yr.) <u>August 15, 1977</u>																																									
	10.A. Type of Action <input checked="" type="checkbox"/> A.I.D. Contract <input type="checkbox"/> Cooperating Country Contract <input type="checkbox"/> Participating Agency Service Agreement <input type="checkbox"/> Other																																													
	10.B. Authorized Agent AID/W																																													
	<table border="1"> <thead> <tr> <th colspan="2">Estimated Financing</th> <th>(1)</th> <th>(2)</th> <th>(3)</th> <th>(4)</th> </tr> <tr> <th colspan="2"></th> <th>Previous Total</th> <th>Increase</th> <th>Decrease</th> <th>Total to Date</th> </tr> </thead> <tbody> <tr> <td colspan="6">\$1.00=</td> </tr> <tr> <td rowspan="2">11. Maximum A.I.D. Financing</td> <td>A. Dollars</td> <td></td> <td>\$2,500</td> <td></td> <td>\$2,500</td> </tr> <tr> <td>B. U.S.-Owned Local Currency</td> <td></td> <td>LE 1,850</td> <td></td> <td>LE 1,850</td> </tr> <tr> <td rowspan="2">12. Cooperating Country Contributions</td> <td>A. Counterpart</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>B. Other</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Estimated Financing		(1)	(2)	(3)	(4)			Previous Total	Increase	Decrease	Total to Date	\$1.00=						11. Maximum A.I.D. Financing	A. Dollars		\$2,500		\$2,500	B. U.S.-Owned Local Currency		LE 1,850		LE 1,850	12. Cooperating Country Contributions	A. Counterpart					B. Other				
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B. U.S.-Owned Local Currency			LE 1,850		LE 1,850																																									
12. Cooperating Country Contributions	A. Counterpart																																													
	B. Other																																													

13. Mission References Cairo 10888 Cairo 11542	14. Instructions to Authorized Agent SER/CM is requested to negotiate a Personal Services Contract for the services described herein (Mr. Edward Falk, 601 Morningstar Lane, Madison, Wisconsin is recommended for this assignment.)
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15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.	
A. The specifications in the scope of work are technically adequate NE/TECH/HRST:Edgar N. Pike ^{EP}	B. Funds for the services requested are available Cairo 10888
C. The scope of work lies within the purview of the initiating and approved Agency Programs	D. NE/ME:Frank L. Gillespie ^{Frank}
E.	F. NE/TECH:Thelma Patterson ^{TP}

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to Signature and date: _____ Title: _____	17. For the Agency, for International Development Signature: <u>David R. Steinberg</u> Title: Director	18. Date of Signature <u>7/18/77</u>
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SCOPE OF WORK

19. Scope of Technical Services

A. Objective for which the Technical Services are to be Used

Assist the Government of Egypt and USAID/Cairo in refinement of final lists of equipment for initial implementation of the Science and Technology Project.

B. Description

A. Contractor will review with the Egyptian Academy of Scientific Research and Technology (ASRT) the initial lists of scientific and technological equipment recommended as first year components of Science and Technology applied research project

B. Following this review, he will develop recommendations for ASRT on materials required for adequate maintenance and repair of such equipment.

C. He will also advise and assist ASRT on initial preparation of laboratories (at the National Research Center Complex) in which electronic testing maintenance and repair equipment will be placed.

D. Finally, he will initiate development of an overall layout system for remainder of equipment to be placed in NRC.

C. Technicians

(1) (a) <u>Number</u>	(b) <u>Specialized Field</u>	(c) <u>Grade and/or Salary</u>	(d) <u>Duration of Assignment (Man-Months)</u>
1	Scientific Instrumentation	\$ 150.00	1

(2) Duty Post and Duration of Technicians' Services

1 Month Cairo, Egypt

(3) Language requirements

None

(4) Access to Classified Information

None

(5) Dependents Will Will Not Be Permitted to Accompany Technician

D. Financing of Technical Services

(1) By AID - \$ 2,500 LE 1,850

(2) By Cooperating Country -

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20. Equipment and Supplies (Related to the services described in Block 19 and to be procured outside the Cooperating Country by the supplier of these services)

A. (1) <u>Quantity</u>	(2) <u>Description</u>	(3) <u>Estimated Cost</u>	(4) <u>Special Instructions</u>
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NONE

B. Financing of Equipment and Supplies

(1) By AID - \$

(2) By Cooperating Country -

21. Special Provisions

- A. This PIO/T is subject to AID (contracting) (~~PASA implementation~~) regulations.
- B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services authorized under this PIO/T must be obtained from U.S. sources.
- C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.
- D. Other (specify):

Contract^{or} authorized six-day work week in Egypt.

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22. Reports by Contractor or Participating Agency (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports, and any special requirements)

He will submit 5 copies of his report summarizing his findings and recommendations to the Mission in USAID/Cairo prior to his departure. In addition, he will forward two copies of this report to NE/TECH/HRST, AID/W.

23. Background Information (Additional information useful to Authorized Agent and Prospective Contractors or Participating Agency; if necessary cross reference Block 19.C(4) above.)

Academy has requested two-week visit by Dr. Edward Falk, consultant from the University of Wisconsin (Madison) Instrumentation Systems Center, to help refine final lists of equipment for initial implementation stage of Science and Technology Project. Falk currently completing work under Contract AID/NE-C-1339. Proposed TDY activity will be follow-on to efforts under that contract. Falk now has especially thorough-going knowledge of NRC equipment needs.

24. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities

Mission Director and his designee

B. Cooperating Country Liaison Official

Abu El Azm, Director, ASRT; Mohammed Kamel, Director, NRC.

C. AID Liaison Officials

Edgar N. Pike, NE/TECH/HRST, AID/W
James Riley, USAID/Cairo

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LOGISTIC SUPPORT

26. Provisions for Logistic Support A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")	IN KIND SUPPLIED BY		FROM LOCAL CURRENCY SUPPLIED BY		TO BE PROVIDED OR ARRANGED BY SUPPLIER
	AID	COOPERATING COUNTRY	AID	COOPERATING COUNTRY	
(1) Office Space		X			
(2) Office Equipment		X			
(3) Housing and Utilities					
(4) Furniture					
(5) Household Equipment (Stoves, Refrig., etc.)					
(6) Transportation in Cooperating Country			X		
(7) Transportation To and From Country			X		
(8) Interpreter Services/Secretarial			X		
(9) Medical Facilities					
(10) Vehicles (official)					
(11) Travel Arrangements/Tickets	X				
Other: (12)					
(specify) (13)					
(14)					
(15)					

B. Additional Facilities Available From Other Sources

- APO PX COMMISSARY

 OTHER (specify, e.g., duty free entry, tax exemption) N/A

C. Comments

Local currency costs should be charged to Appropriation No. 72-FT-745,
Allotment 34-10-099-00-87-00

CONTINUATION
SHEETDEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT Worksheet Issuance

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FORM SYMBOL

TITLE OF FORM

1. Cooperating County
Egypt

2.a. Code No.

2.b. Effective Date

2.c. Amendment
 Original OR No: _____

3. Project/Activity No. and Title

263-0016

Applied Science and Technology

Indicate block
numbers.

Use this form to complete the information required in any block of a PIO or PA/PR form.

Budget (dollars)

1. Salary (14 days x \$150)	2100.00
2. Transportation	50.00
3. 6% Salary	126.00
4. Int'l Per diem	150.00
5. Other direct cost	74.00
Total	<u>2,500</u>

Budget (pounds)

1. Round Trip	LE 900.00
2. Excess Baggage	LE 105.00
3. Local Transportation	LE 125.00
4. Per diem (14 days x LE 394)	LE 552.00
5. Other direct cost	LE 168.00
Total.	<u>1,850</u>

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PIO/T	PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	2. PIO/T No. 263-0016-2-70011	3. <input checked="" type="checkbox"/> Original or Amendment No. _____		
		4. Project/Activity No. and Title 263-0016 Applied Science and Technology Research			
DISTRIBUTION	5. Appropriation Symbol 72-1171006	6.A. Allotment Symbol and Charge 756-54-263-00-69-71	6.B. Funds Allotted to: <input type="checkbox"/> A.I.D./W <input checked="" type="checkbox"/> Mission		
	7. Obligation Status <input type="checkbox"/> Administrative Reservation <input checked="" type="checkbox"/> Implementing Document		8. Funding Period (Mo., Day, Yr.) From 10/1/77 To 11/30/79		
	9.A. Services to Start (Mo., Day, Yr.) Between 10/4/77 and 10/30/77		9.B. Completion date of Services (Mo., Day, Yr.) 10/30/79		
	10.A. Type of Action <input type="checkbox"/> A.I.D. Contract <input type="checkbox"/> Cooperating Country Contract <input checked="" type="checkbox"/> Participating Agency Service Agreement <input type="checkbox"/> Other				
	10.B. Authorized Agent AID/W				
	Estimated Financing				
	\$1.00=				
	11. Maximum A.I.D. Financing		(1) Previous Total	(2) Increase	(3) Decrease
					(4) Total to Date
	A. Dollars			\$528,506	\$528,506
B. U.S.-Owned Local Currency			LE 51,900	LE 51,900	
12. Cooperating Country Contributions		A. Counterpart			
		B. Other		4	
13. Mission References Cairo 12738 13512	14. Instructions to Authorized Agent AID/W is requested to negotiate a Participating Agency Service Agreement (PASA) with NSF for the latter to perform the scope of work required for the Scientific and Technical Information (STI) Component of Subject Project.				
15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.					
A. The specifications in the scope of work are technically adequate NE/TECH/HRST, S.E. Suggs		B. Funds for the services requested are available NE/DP, I. Allen/A. Reich (info)			
C. The scope of work lies within the purview of the initiating and approved Agency Programs NE/TECH/HRST, E. Pike (info)		D.			
E. NE/ME/E, F. Gillespie		F. NE/TECH, H. Armistead			
16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to Signature and date: _____ Title: _____		17. For the Agency for international Development Signature: <i>Russell Peterson</i> Title: Acting Director, NE/TECH		18. Date of Signature	

AID 1350-1X (9-70)	Cooperating Country Egypt	PIO/T No. 263-0016-2-70011	Page 2 of 28 Pages
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SCOPE OF WORK

19. Scope of Technical Services

A. Objective for which the Technical Services are to be Used

See Attached.

B. Description

The National Science Foundation's Division of Science Information shall provide overall management and technical services to implement a two-year, Phase I Scientific and Technical Information Sub-Project as described in the "Project Grant Agreement between the Arab Republic of Egypt and the U.S.A. for Applied Science and Technology Research, "A.I.D. Project Number 263-0016, dated March 29, 1977. (continued on attachment)

C. Technicians

(1) (a) <u>Number</u>	(b) <u>Specialized Field</u>	(c) <u>Grade and/or Salary</u>	(d) <u>Duration of Assignment (Man-Months)</u>
8	Project Specialists	Avg \$20,000 p.a.	12
18	Consultants (library, information science, systems design and analysis programming, etc.)	\$100-150 day	11
2	NSF Management	GS-15	6

(2) Duty Post and Duration of Technicians' Services

Egypt (2-6 weeks)

(3) Language requirements

None

(4) Access to Classified Information

None

(5) Dependents Will Will Not **Be Permitted to Accompany Technician**

D. Financing of Technical Services 1st year (See attached budget)

(1) By AID - \$ 528,506 LE 51,900 (2) By Cooperating Country -

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20. Equipment and Supplies (Related to the services described in Block 19 and to be procured outside the Cooperating Country by the supplier of these services)

A. (1) Quantity	(2) Description	(3) Estimated Cost	(4) Special Instructions
15	Microfiche/readers, reproducers, and associated equipment to be specified by Planning Study in Phase I of Project I.C.		

N.B. only year 2 funding applicable.

B. Financing of Equipment and Supplies

(1) By AID - \$ 200,000 (year 2)

(2) By Cooperating Country -

21. Special Provisions

- A. This PIO/T is subject to AID (contracting) (PASA implementation) regulations.
- B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services authorized under this PIO/T must be obtained from U.S. sources.
- C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.
- D. Other (specify):

The National Science Foundation is authorized to sub-contract with qualified organizations to obtain necessary consultants and assistances to provide the services required.

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PIO/T	Project/Activity No. and Title 263-0016 Applied Science and Technology Research		

22. Reports by Contractor or Participating Agency (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports, and any special requirements)

Three Semi-Annual status reports and one final report.

Reports of Subcontractors, Technical Advisory Group, Evaluation Group as available.

Project Status reports of Subcontractors and consultants at conclusion of visits.

23. Background Information (Additional information useful to Authorized Agent and Prospective Contractors or Participating Agency; if necessary cross reference Block 19.C(4) above.)

Included in Scope of Work. (See attachment)

24. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities

The U.S. National Science Foundation will provide assistance to the GOE Academy of Scientific Research and Technology (ASRT) and to Universities and other Research Centers.

B. Cooperating Country Liaison Official

Prof. Dr. Abou El-Azm, President ARST Dr. Osman Galal, Representative NRC
 Prof. Dr. Mohamed Kamel, Director NRC
 Dr. Ahmed El-Nokrashy, Representative Head R and D office

C. AID Liaison Officials

Donald S. Brown, USAID Director
 Stanley A. Applegate, ADIR for TA, USAID
 James B. Riley, Project Manager

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LOGISTIC SUPPORT

25. Provisions for Logistic Support A. Specific Items (<i>Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments"</i>)	IN KIND SUPPLIED BY		FROM LOCAL CURRENCY SUPPLIED BY		TO BE PROVIDED OR ARRANGED BY SUPPLIER
	AID	COOPERATING COUNTRY	AID	COOPERATING COUNTRY	
(1) Office Space		X			
(2) Office Equipment		X			
(3) Housing and Utilities					
(4) Furniture					
(5) Household Equipment (<i>Stoves, Refrig., etc.</i>)					
(6) Transportation in Cooperating Country			X		
(7) Transportation To and From Country			X		
(8) Interpreter Services/Secretarial		X			
(9) Medical Facilities					
(10) Vehicles (official)		X			
(11) Travel Arrangements/Tickets					X
Other: (12)					
(specify) (13)					
(14)					
(15)					

B. Additional Facilities Available From Other Sources

- APO PX COMMISSARY

 OTHER (specify, e.g., duty free entry, tax exemption)

C. Comments

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PIO/T	Project/Activity No. and Title: AID PROJECT No. 263-0016 -- APPLIED SCIENCE AND TECHNOLOGY RESEARCH		
PIO/T No. 263-016-2-70011; Scientific and Technical Information			

SCOPE OF WORK

19. Scope of Technical Services

A. Objective for which the Technical Services are to be Used
 Improvement of scientific and technical information services to meet the information needs of the Egyptian scientific and technical community.

B. Description
 The National Science Foundation's Division of Science Information shall provide overall management and technical services to implement a two-year, Phase I Scientific and Technical Information Sub-Project as described in the "Project Grant Agreement Between the Arab Republic of Egypt and the U.S.A. for Applied Science and Technology Research," A.I.D. Project Number 263-0016, dated March 29, 1977. 4

The two-year program of work shall consist in general of the following major elements:

I. Four major scientific and technical information projects: (A) design study for a nationwide network of S&T information services, (B) a pilot experiment with a computer-accessed information service, (C) a (Phase I) planning study to identify the documentary literature critical to Egyptian [See

C. Technicians Continuation sheets attached

(1) (a) Number	(b) Specialized Field	(c) Grade and/or Salary	(d) Duration of Assignment (Man-Months)
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(2) Duty Post and Duration of Technicians' Services

(3) Language requirements

(4) Access to Classified Information

(5) Dependents Will Will Not Be Permitted to Accompany Technician

D. Financing of Technical Services

(1) By AID - \$

(2) By Cooperating Country -

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		3. Project/Activity No. and Title	

Indicate block numbers.

Use this form to complete the information required in any block of a PIO or PA/PR form.

S&T needs and to specify both the literature and associated equipment for subsequent (Phase II) acquisition and delivery; and (D) a short-term training program for key information personnel.

II. Ad Hoc Training Opportunities

III. Project management and evaluation, including a Proposal Review Panel, Technical Advisory Group, Performance Evaluation Panel and NSF management services.

The specific scope of work for each of the major elements follows:

I. Four Major S&T Information Projects

The following four S&T information projects will be undertaken by qualified organizations selected on a competitive basis under NSF management and procurement procedures:

A. Project I - Design Study for a Nationwide Network of S&T Information Services

The objective is to provide policy, methodological and technical guidance and assistance to a designated Egyptian group in the design, planning and implementation of a nationwide STI network in Egypt.

Results from the design study are expected to include:

- (1) a draft statement of a national S&T information policy;
- (2) a survey assessment of information needs and information resources available in Egypt;
- (3) a draft plan or blueprint for a nationwide system of S&T information services, based on an assessment of needs and existing resources, and including a proposed schedule for implementation;
- (4) specification of the appropriate technology to be introduced in various stages of network evolution;
- (5) guidelines and short- and long-term plan for an education and training program to supply personnel required to implement and operate the national information network.
- (6) a plan for developing and operating a continuing inventory or register of ongoing research projects initially for the Academy of Scientific Research and Technology and later for the entire country; and

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Indicate block numbers.

Use this form to complete the information required in any block of a PIO or PA/PR form.

(7) a survey of technical assistance programs and projects in the information field in Egypt currently supported or planned by international organizations (such as Unesco), regional organizations (such as the Arab League Educational, Cultural and Scientific Organization--ALESCO) and foundations and development assistance organizations of other countries (such as Germany, France, Saudi Arabia).

A U.S. team of qualified information scientists and other experts will work with a designated group of managers and specialists of Egyptian information centers in collecting and analyzing the necessary data and in developing the design for the nationwide network. The ASRT National Information and Documentation Center (NIDOC) will serve as the major node in the network and will be the principal Egyptian agency for coordinating the design and development of the network. A steering committee consisting of at least five prominent Egyptian information managers, representing the interested segments of the information and research communities, will help guide the project. NIDOC and initially various departments of the University of Cairo, including the computer center and the library, will contribute staff and resources.

Project Duration: 18 months

B. Project II -- Computer-Accessed Information Reference Service

The purpose of this project is to test at least one way of providing Egyptian researchers with current information relevant to their research interests, namely Selective Dissemination of Information (SDI).

NIDOC will serve as the cooperating Egyptian agency.

The establishment of such a demonstration service will require:

(1) Identification of an initial set of topics and researchers in priority research and development fields. Egyptian officials have designated these fields as chemical technology, food and agriculture, health and hygiene, energy, petroleum, natural resources, and building and construction. Because of a present lack of appropriate computer capability and certain communications technology difficulties, the running of SDI profiles shall be performed in the U.S. on appropriate computerized data bases, with the printout results being mailed by the most effective means to be determined by the Foundation and Egyptian collaborating organizations.

(2) Profile Construction. Profiles shall be constructed that uniquely define individual or team information needs. The total number of profiles shall be limited to 150; retrospective searches to 15-20.

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		2.b. Effective Date	2.c. <input type="checkbox"/> Original CR Amendment No: _____
		3. Project/Activity No. and Title	

Indicate block numbers.

Use this form to complete the information required in any block of a PIO or PA PR form.

(3) Training in Profile Construction. A training program shall be established in Egypt for personnel selected from NIDOC and other appropriate agencies. One or more U.S. experts on SDI shall conduct training sessions in Egypt, guide the development of SDI profile construction capability, and supervise actual construction of 150 profiles. Provision shall be made in the training program at a later stage, in anticipation of an on-line capability, to bring four or five qualified Egyptian information specialists to the United States for a period of time (6-8 weeks) for additional intensive training at appropriate information centers in the United States.

(4) Testing of profiles. The 150 profiles generated in Egypt shall be run against data bases at least quarterly and at most monthly for a period of approximately 12 months, so that from 4 to 12 runs will have been tested. The results of each run will be dispatched to the individuals in Egypt by the most effective mailing means, for example, by F.P.O. Arrangements shall be made for testing the value of the information delivered, and for improvement of the SDI services.

(5) Acquisition of documents. Appropriate arrangements shall be made for obtaining a limited number of documents of interest from U.S. or other sources.

(6) Evaluation. Appropriate evaluation measures shall be used throughout the demonstration to feed back corrective actions, adjust for anomalies and improve the demonstration. The final technical report on this project shall include an overall evaluation of the demonstration with recommendations for future improvements.

Project Duration: 20 months. The first 4-6 months shall be devoted to start-up (profile construction, training, etc.); the next 12 months to operation and testing of the service; and the final two months to review and evaluation of the pilot service.

C. Project III - Planning Study on Supplying Current S&T Literature

Egyptian libraries and information centers lack current S&T information materials, notably journals and reports. To correct this situation it is intended to develop NIDOC into a comprehensive information center containing the results of basic and applied research, particularly in areas of concern to national economic, industrial and social development. Other information centers and university libraries will be assisted as well in developing specialized collections, but only NIDOC will be developed as the comprehensive (repository), national S&T information center.

CONTINUATION
SHEET

FORM SYMBOL

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

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1. Cooperating County

2.a. Code No.

2.b. Effective Date

2.c.

 Original OR Amendment No: _____

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Indicate block
numbers.

Use this form to complete the information required in any block of a PIO or PA/PR form.

Two phases in this effort to supply current materials are projected.

In the first phase the following shall be performed or provided.

(1) Identify Egyptian needs for current S&T information materials, including types of material, by comprehensively surveying NIDOC and by estimating needs of other major libraries and information centers on a sample basis.

(2) Determine availability in the U.S. or elsewhere of the needed materials.

(3) Develop detailed estimates for costs of providing the needed current materials and future issues of serials in printed copy and microfiche. Assuming that microfiche may be a more feasible form in which to supply current materials because of storage, cost, handling and delivery advantages, identify which of the materials needed exist in microfiche, and estimate costs for acquiring, operating and maintaining the equipment for an adequate microfiche service operation.

Estimates should be provided by increments, based on an increasing number of journals to an increasing number of information centers, and for varying numbers of years--both backward to capture recent past materials, and forward for five years. Estimates for retrospective materials should take into account the availability and costs of the materials in various forms, such as print, microfilm and microfiche.

(4) Recommendations, based on survey observations of the situation in Egypt, for implementing a program to supply the needed S&T information materials.

Project Duration: 6 months.

In the second phase, to be undertaken in Year 2, the following shall be performed or provided:

(1) Acquisition and delivery of microfiche, or other forms, of specified journals and report literature;

(2) Acquisition, installation and servicing of any equipment (for microfiche handling);

(3) Establishment of a training program for users of the equipment;

(4) Establishment of an equipment maintenance program, including training; and

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(5) Assessment of the effort after one year of operation.

After equipment specifications have been accepted, NSF together with AID/Cairo and AID/Washington shall decide on the most efficient and effective means for procuring the specified equipment.

Project Duration: 18 months

D. Project IV - Short-term Training Program for Information Specialists

The purpose of this project is to initiate a short-term (6-9 months) non-degree training program to provide for immediate development of special competencies, initially for NIDOC and the Cairo University Department of Archives and Librarianship. Needs of other institutions should be determined and eventually included in the project.

The project shall have the following characteristics:

(1) On-the-job or in-service training shall be provided for a period of 6-9 months in the United States at appropriate information centers and facilities.

(2) On-the-job-training exercise shall be coupled with the opportunity for taking at least one semester of course work at a U.S. university library and information science school sufficiently convenient to the on-the-job-training site. Also, for each trainee, field visits shall be arranged to pertinent information projects, centers and facilities that can demonstrate operations that could be used by the trainee's organization.

(3) An Egyptian coordinating committee comprised initially of the principal participating institutions shall be established to work out details of institutional participation and candidate selection.

(4) During the first year, a maximum of four candidates shall be selected for training in the United States from NIDOC and the Cairo University Department of Archives and Librarianship with at least one candidate being selected from the latter institution. NIDOC and Cairo University shall nominate trainees. Topics for training are likely to include abstracting and indexing, thesaurus building, reprography, reference activity, and computerized publishing.

(5) During the second year, contingent on availability of funds a maximum number of four candidates will be selected, but among whom shall be included candidates from institutions other than NIDOC and

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		2.b. Effective Date	2.c. <input type="checkbox"/> Original OR Amendment No. _____
		3. Project/Activity No. and Title	

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Cairo University, as determined by the Egyptian coordinating committee.

(6) Egyptian institutions shall describe qualifications criteria for selection of candidates which must include English language fluency and a university degree.

(7) Acceptance of selected candidates rests with the host U.S. institution.

(8) The U.S. host institution shall be responsible for development of the training program to fit individual needs, arrangements for on-the-job training with U.S. participating institutions, the counseling and guiding of trainees during their stay, and for the provision of financial support to the trainees (travel, subsistence, tuition fees, health insurance and incidental expenses).

(9) A suitable scheme for evaluating the success of each trainee's internship shall be developed and applied.

Duration: 24 months

II. Ad Hoc Training Opportunities

In addition to the Project IV Short-Term Training Program for Information Specialists, which limits training opportunities to persons annually in a special program conducted in the United States only, provision shall be made to take advantage of other training opportunities of a special nature that may present themselves from time to time both in the United States and Egypt. A number of meetings, special seminars, workshops, and institutes of several days to several weeks duration are held in the United States on a recurring or irregular basis. These training opportunities are part of the continuing education efforts sponsored by universities (library and information science schools), private industry, or professional associations.

Opportunity for such training, identified by NSF and NIDOC, shall be provided for three or more Egyptian specialists to be selected by NIDOC.

To reach a wider Egyptian group of information specialists and users, special workshops shall be arranged to be held in Egypt from time to time, for example, in abstracting and indexing as developed and conducted by the U.S. National Federation for Abstracting and Indexing Services and designed especially for developing country needs.

AID-1500-1X (7-69) CONTINUATION SHEET FORM SYMBOL	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT TITLE OF FORM	<input checked="" type="checkbox"/> Worksheet <input type="checkbox"/> Issuance	13 of 28 PAGE 4 OF 8 PAGES
		1. Cooperating County	2.a. Code No.
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III. Project Management and Evaluation

On the U.S. side, NSF shall provide for the technical services necessary to manage and evaluate the overall S&T information effort. In addition to acquiring the services of qualified organizations to implement the four major S&T information projects, NSF shall establish three groups of an advisory and evaluative nature: (A) a Proposal Review Panel, (B) a Scientific and Technical Information Technical Advisory Group (STITAG), and (C) a Performance Evaluation Panel. All groups shall be bilateral in membership and shall meet both separately and jointly at specified intervals.

Sections A, B and C below describe briefly the functions of the three evaluative and advisory groups. The costs attached to these functions are mainly for travel and per diem to enable these groups to meet. Section D describes the general nature of NSF personnel services and categories of compensation.

A. Proposal Review Panel

NSF is expected to procure competitively the services of qualified organizations to implement the four major information projects. Proposals received in response to an NSF-issued RFP shall be reviewed by a joint Proposal Review Panel of U.S. and Egyptian specialists and experts in accordance with NSF proposal review policies and procedures.

At least 2 - 3 members of the panel shall be Egyptian, and the review of proposals shall take place in Washington.

B. STI Technical Advisory Group (STITAG)

A joint Scientific and Technical Information Technical Advisory Group (STITAG) shall be established to provide technical advice to bilateral project management on project design, implementation, progress, and Phase II planning. The functions of STITAG shall be to (1) review and assess technical progress of the various information projects at critical implementation points; (2) recommend on technical aspects of plans for Phase II; and (3) provide a common forum for communication, cooperation and coordination among different Egyptian information institutions and communities participating or having an interest in the upgrading of information services in Egypt.

The Group shall be composed of four or five members from each side. U.S. members shall be competent in education and training; systems analysis and design; information center management and operation; program policy, planning and management (all with

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experience or familiarity with information problems of developing countries). On the Egyptian side, members shall represent the various major communities (ASRT-NRC, universities, industry, etc.). The Group shall meet at least twice during Phase I, and more frequently contingent on availability of additional funds.

C. Performance Evaluation Panel

In addition to the normal evaluation by project management and the general evaluation to be performed by the Joint Consultative Committee, a joint Performance Evaluation Panel of special experts not connected with either of the aforementioned groups shall be set up. This Panel shall consist of three U.S. and three Egyptian members including at least two members who served on the Proposal Review Panel.

The Performance Evaluation Panel shall evaluate Phase I project performance and assess the Phase II plan and design for continued project activities. The U.S. side shall be under the aegis of the U.S. National Academy of Sciences' Committee on International Scientific and Technical Information Programs (CISTIP). The Egyptian side shall be similarly under the aegis of an appropriate organization. Each side shall meet separately in their own countries as often as necessary to engage in the evaluation exercise and jointly, at least once, in Cairo to integrate their evaluations. More frequent meetings shall be planned as necessary, contingent on availability of additional funds.

D. NSF Management Services

The Foundation's Division of Science Information shall make available the part-time services of one senior professional staff, technically competent in the S&T information area and with pertinent foreign experience, to serve as Project Manager and principal liaison official with AID/Washington and Cairo, and the GOE Academy of Scientific Research and Technology, and to universities and other research centers. Appropriate administrative and secretarial support shall also be provided. Such personnel services shall be compensated on a cost-reimbursable basis, including indirect costs.

The Project Manager shall assure the conduct of the project in accordance with a bilateral project management plan and with applicable NSF and AID policies and procedures. During the two-year period of Phase I, the Project Manager shall make at least quarterly site visits to AID/Cairo, GOE ASRT and other institutions, as appropriate, for purposes of liaison, project management, and performance monitoring, or at such other intervals of time as may be deemed critical to project

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progress by NSF, AID, or the GOE.

Consultants shall be used, as necessary, to assist the Foundation in providing technical support services required for project management.

The attached Budget Plan presents cost estimates for both Year 1 and Year 2 of Phase I of this activity.

AID Project No. 263-0016--Applied Science and Technology Research

PIO/T No. 263-0016-2-7011. Scientific and Technical Information

BUDGET PLAN
SUMMARY

	<u>Year 1</u>		<u>Year 2</u>	
	<u>U.S. \$</u>	<u>LE</u>	<u>U.S. \$</u>	<u>LE</u>
<u>I. Project Contracts</u>				
A. Design Study	175,400	6,160	600	5,820
B. Computer-Accessed Information	100,200	2,880	2,700	3,940
C. Current Information Resources	—	—		
Phase I - Planning Study	50,400	4,920	—	—
Phase II - Acquisition & Deliver	—	—	216,270	18,000
D. Short-Term Training Program	102,320	6,040	—	—
II. <u>Ad Hoc Training Opportunities</u>	15,600	10,500	—	—
<u>III. Project Management & Evaluation</u>				
A. Proposal Review Panel	6,600	6,600	—	—
B. Technical Advisory Group	2,500	6,640	2,500	6,640
C. Performance Evaluation Panel	3,780	—	8,680	7,080
D. NSF Management Services	71,700	8,760	69,250	8,760
	\$	LE	\$	LE
	528,506	51,900	300,000	50,240

EXPLANATORY BUDGET NOTES

- 1/ The cost estimates for each contract project is based on a "rule of thumb", viz. the estimated level of effort in person/years times the average estimated cost per person/year. The cost per person/year (\$50,000) includes all direct costs (salaries, wages, fringe benefits, equipment, materials and supplies, communications and shipping, domestic travel, consultant services, etc.) and indirect costs. Foreign travel to Egypt and the U.S. is the only cost estimated separately based on the estimated number of trips and persons and the use of Egyptian pounds.
- 2/ Foreign Travel Costs
- a. Currency Equivalents

\$1.00 = 0.70 Egyptian Pounds (LE); LE 1.00 = U.S. \$1.43
 - b. International Air Transportation (June 1977)

Round-trip Washington, DC to Cairo = LE 1,000
 - c. Dollar Costs Enroute

Intermediate Stopovers

One day, each direction	2 x \$60 =	\$120
Misc. (Taxis, visa fees, inoculations, etc)	=	80
Total		\$200
 - d. Per diem

Egypt, Cairo only = LE 39.4 rounded to LE 40
 - e. Miscellaneous (Cairo)

LE 5.00 per day
LE 100 for 3 weeks (21 days)
LE 200 for 4-6 weeks
- 3/ Training Costs in U.S. (in U.S. Dollars)
- a. Per diem = \$35.00/day for stay of 30 days or less
 - b. International Travel (Intermediate Stopovers) = \$200 per round-trip
- 4/ Training costs in U.S.A. for a period of 5 months or more includes tuition, health insurance, books, travel, living allowances = \$1500/month

Table I.A. - Design Study

	Year 1		Year 2	
	U.S. \$	LE	U.S. \$	LE
I. Design Team ^{1/} 3.5 person/yr. @ \$50,000	175,000			
II. Foreign Travel ^{2/}				
A. Initial Visit 2 persons, 6 weeks	400	6,160		
B. Mid-Term Visit 1 person, 3 weeks			200	1,940
C. Final Visit 2 persons, 3 weeks			400	3,880
	\$ 175,400	LE 6,160	\$ 600	LE 5,820

1/ See Explanatory Budget Note

2/ See Explanatory Budget Note

Table I.B - Computer-Accessed Information

	Year 1		Year 2	
	U.S. \$	LE	U.S. \$	LE
I. Direct & Indirect Costs ^{1/} 2.0 person/yr. @ \$50,000	100,000			
II. Foreign Travel ^{2/}				
A. Initial Visit 1 person, 6 weeks	200	2,880		
B. Mid-Term Visit 1 person, 3 weeks			200	1,940
C. Egyptian Trainees to U.S., 2 Egyptians, 30 days ^{3/}			2,500	2,000
	<u>\$</u>	<u>LE</u>	<u>\$</u>	<u>LE</u>
	100,200	2,880	2,700	3,940

1/ See Explanatory Note

2/ See Explanatory Note

3/ See Explanatory Note

Table I.C - Current Information Resources (Phase I)
Planning Study

	<u>Year 1</u>		<u>Year 2</u>	
	U.S. \$	LE	U.S. \$	LE
I. Direct & Indirect Costs ^{1/}				
1.0 person/yr. @ \$50,000	50,000			
II. Foreign Travel ^{2/}				
A. Initial Visit				
1 person, 5 weeks	200	2,600		
B. Final Visit				
1 person, 4 weeks	200	2,320		
	<u>\$</u>	<u>LE</u>	<u> </u>	<u> </u>
	50,400	4,920	-	-

Table I.C - Current Information Resources (Phase II)
Acquisition & Delivery

	Year 1		Year 2	
	<u>U.S. \$</u>	<u>LE</u>	<u>U.S. \$</u>	<u>LE</u>
I. Purchase of Material and Equipment			216,270	
II. User Training Workshops				10,000
III. Maintenance Training				8,000
	<u>—</u>	<u>—</u>	216,270	18,000

Table I.D - Short-Term Training Program

	<u>Year 1</u>		<u>Year 2</u>	
	<u>U.S. \$</u>	<u>LE</u>	<u>U.S. \$</u>	<u>LE</u>
I. Contractor Direct & Indirect Costs ^{1/} (excluding Trainee Costs and Foreign Travel)	40,000			
II. Foreign Travel ^{2/}				
A. 1 U.S. person, 3 weeks	200	2,040		
B. Trainee Travel to U.S. 4 Egyptians	<u>800</u> 1,000	<u>4,000</u> 6,040		
III. Training Costs in U.S. 4 persons, 6-9 months \$1600 x 9 mos x 4 pers ^{4/}	<u>57,600</u>			
Total (I+II+III)	\$ 102,320	^{LE} 6,040		

^{1/} See Explanatory Budget Note

^{2/} See Explanatory Budget Note

^{4/} Training costs in U.S.A. for a period of 5 months or longer (include tuition, health insurance, books, living allowances) = \$1600/month

Table II - Ad Hoc Training Opportunities

	<u>Year 1</u>		<u>Year 2</u>	
	<u>U.S. \$</u>	<u>LE</u>	<u>U.S. \$</u>	<u>LE</u>
<u>I. NFAIS Workshop (Cairo)</u>				
3 U.S. persons, 25 days				
Airfare			3,000	
Cairo Perdiem			3,000	
International Travel	600			
Misc. (Materials)	3,000		1,500	
Consultant Fees @ \$100/day	7,500			
	<u>11,100</u>		<u>7,500</u>	
 <u>II. Seminars, Workshops (U.S.A.)</u>				
3 persons, 21 days				
Airfare			3,000	
International Travel	600			
U.S. Perdiem (21 days @ \$35)	2,205			
Miscellaneous (\$265 ea.)	795			
Workshop fees (\$300 ea.)	900			
	<u>4,500</u>		<u>3,000</u>	
Total (I + II)	\$ 15,600	LE		10,500

III.A

Table III.A - Proposal Review Panel

	<u>Year 1</u>		<u>Year 2</u>	
	<u>U.S. \$</u>	<u>LE</u>	<u>U.S. \$</u>	<u>LE</u>
<u>I. Four Projects Proposal Review</u>				
3 Egyptians to U.S., 15 days				
Airfares			3,000	
International Travel	600			
U.S. Perdiem (3x15x\$50)	2,250			
Misc. (3 x \$150)	450			
	<u>3,300</u>		<u>3,000</u>	
 <u>II. Equipment Proposal Review</u>				
Same as I' above	<u>3,300</u>		<u>3,000</u>	
	<u>6,600</u>		<u>6,000</u>	

Table III.B - Technical Advisory Group

	<u>Year 1</u>		<u>Year 2</u>	
	<u>U.S. \$</u>	<u>LE</u>	<u>U.S. \$</u>	<u>LE</u>
<u>I. Two Meetings (Cairo)</u>				
4 U.S. persons, 14 days				
Airfare		4,000		4,000
International Travel	800		800	
Perdiem (14x40x4)		2,240		2,240
Misc.		400		400
	<u>800</u>	<u>6,640</u>	<u>800</u>	<u>6,640</u>
 <u>II. U.S. Side Meetings (Wash.)</u>				
4 persons, 2 meetings				
Airfare (\$250 avg.)	1,000		1,000	
Perdiem (2 days @ \$50)	400		400	
Misc.	300		300	
	<u>1,600</u>	<u>—</u>	<u>1,700</u>	<u>—</u>
Total (I + II)	2,500	6,640	2,500	6,640

Table III.C - Performance Evaluation Panel

	Year 1		Year 2	
	U.S. \$	LE	U.S. \$	LE
I. <u>Meetings U.S. Side (Wash.)</u>				
3 persons, 3 meetings				
Airfare (\$250 avg.)	750		1,500	
Perdiem (2 days @ \$50)	600		1,200	
Misc.	150		300	
	<u>1,500</u>	<u>—</u>	<u>3,000</u>	<u>—</u>
II. <u>One Joint Meeting (Cairo)</u>				
4 U.S. persons (including 1 NAS Staff), 14 days				4,000
Airfare				
International Travel			800	
Cairo Perdiem				2,240
Misc.				840
	<u>—</u>	<u>—</u>	<u>800</u>	<u>7,080</u>
III. <u>NAS Staff</u>				
.04 person/yr. x \$30,000	1,200			
.08 person/yr. x \$30,000			2,400	
Indirect on I,II,III (40%)	1,080		2,480	
	<u>2,280</u>	<u>—</u>	<u>2,480</u>	<u>—</u>
Total (I + II + III)	3,780	—	8,680	7,080

Table III.D - NSF Management

	<u>Year 1</u>		<u>Year 2</u>	
	<u>U.S. \$</u>	<u>LE</u>	<u>U.S. \$</u>	<u>LE</u>
<u>I. Personnel Compensation</u>				
A. Project Manager				
<u>Year 1</u>				
0.8 person/yr. (\$40,545)	32,436			
11.5% Benefits (\$4,662)	3,730			
<u>Year 2</u>				
0.7 person/yr. (\$44,200)			30,940	
11.5% Benefits (\$5,100)			3,577	
	<u>36,166</u>	<u> </u>	<u>34,517</u>	<u> </u>
B. Secretarial-Clerical				
<u>Year 1</u>				
0.5 person/yr. (\$11,408)	5,704			
11.5% Benefits (\$1,312)	656			
<u>Year 2</u>				
0.5 person/yr. (\$12,500)			6,250	
11.5% Benefits (\$1,438)			719	
	<u>6,360</u>	<u> </u>	<u>6,969</u>	<u> </u>
Total (I.A + I.B)	\$42,526		\$41,486	
 <u>II. Travel</u>				
A. Foreign				
8 Wash-Cairo trips		3,000		3,000
International Travel	800		800	
Cairo Perdiem (21 daysx8xLE40)		3,360		3,360
Cairo Misc.		400		400
	<u>800</u>	<u>6,760</u>	<u>800</u>	<u>6,760</u>

	<u>Year 1</u>		<u>Year 2</u>	
	<u>U.S. \$</u>	<u>LE</u>	<u>U.S. \$</u>	<u>LE</u>
<u>B. Domestic</u>				
4 site visits (Avg. Airfare + P.D. = \$500)	1,000		1,000	
	<u>1,800</u>	6,760	<u>1,800</u>	6,760
 <u>III. Consultants</u>				
50 days @ \$150		3,750		3,750
<u>Domestic Travel</u>				
8 trips, 5 days ea. (airfare \$250 avg; P.D. \$50)		2,000		2,000
<u>Foreign Travel</u>				
2 trips (Cairo), 21 days ea.		200		200
Airfare		1,000		1,000
Perdiem		840		840
Misc.		160		160
	\$	<u>2,000</u>	\$	<u>2,000</u>
	5,950	LE	5,950	LE
 <u>IV. * Indirect Cost (40% of I,II,III)</u>				
	20,110		19,694	
	<u>70,386</u>	8,760	<u>68,930</u>	8,760
		LE		LE
Round to	\$71,706	8,760	69,250	8,760

* Applicable only to U.S. dollar amounts

September 21, 1977

AID 1350-1X (7-71)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country Egypt	Page 1 of 5 Pages
		2. PIC/F No. 263-016-3-70013	3. <input checked="" type="checkbox"/> Original or Amendment No. _____
PIO/T	PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	4. Project/Activity No. and Title 263-0016 PD-AAC-250 Applied Science and Technology Research ²⁵⁷	

DISTRIBUTION	5. Appropriation Symbol 72-1171006(\$) 72-FT-745 (LE)	6.A. Allotment Symbol and Charge 756-54-263-00-69-71	6.B. Funds Allotted to: <input type="checkbox"/> A.I.D./W <input checked="" type="checkbox"/> Mission
	7. Obligation Status <input checked="" type="checkbox"/> Administrative Preservation <input type="checkbox"/> Implementing Document	(\$) B42-10-099-00 37-00 (LE)	8. Funding Period (Mo., Day, Yr.) From 10/1/77 To 11/30/77
9.A. Services to Start (Mo., Day, Yr.) Between 10/1/77 and 10/30/77		9.B. Completion date of Services (Mo., Day, Yr.) 10/30/79	

10.A. Type of Action <input checked="" type="checkbox"/> A.I.D. Contract <input type="checkbox"/> Cooperating Country Contract <input type="checkbox"/> Participating Agency Service Agreement <input type="checkbox"/> Other					
10.B. Authorized Agent AID/W SER/CM/NE					
Estimated Financing		(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
\$1,000=					
11. Maximum A.I.D. Financing	A. Dollars		631,500		631,500
	B. U.S.-Owned Local Currency		LE 106,400		LE 106,400
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References Cairo 12738 13512	14. Instructions to Authorized Agent AID/W SER/CM is requested to negotiate a contract with National Academy of Sciences on a non-competitive procurement basis (see Attachment for justification) for the latter to perform the scope of work required for the following components of subject project: policy, planning and management; research and development of subject project support; demonstration of subject project support; and phase II project design, in cooperation with National Science Foundation, as noted in block 19 and attachment.
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15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.	
A. The specifications in the scope of work are technically adequate NE/TECH/HRST, S.E. Suggs <i>SS</i>	B. Funds for the services requested are available NE/DP, I. Allen/A. Reich (info)
C. The scope of work lies within the purview of the initiating and approved Agency Programs NE/TECH/HRST, E. Pike <i>EP</i>	D.
E. NE/ME, F. Gillespie <i>FG</i>	F. NE/TECH, T. Patterson <i>td</i>

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to	17. For the Agency for International Development	18. Date of Signature
Signature and date:	Signature: <i>D. O. [Signature]</i>	8/22/77
Title:	Title: Director, NE/TECH	

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SCOPE OF WORK

19. Scope of Technical Services

A. Objective for which the Technical Services are to be Used To implement a) policy planning and management; b) R&D Sub-project Support; c) demonstration Sub-project Support; d) Phase II project design.

B. Description

See Attached Scope of Work and Budget

C. Technicians

(1) (a) <u>Number</u>	(b) <u>Specialized Field</u>	(c) <u>Grade and/or Salary</u>	(d) <u>Duration of Assignment (Man-Months)</u>
1 HRST Advisor	Science Tech. Mgmt.	45.0/yr.	12
1 NRC Advisor	Science Tech. Mgmt.	45.0/yr.	12
Consultants	Science Eng. App. Tech. Mgmt.	\$150/day	18

(2) Duty Post and Duration of Technicians' Services

Egypt - 12-18 mos.

(3) Language requirements

none

(4) Access to Classified Information

no

The two Advisors to HRST and NRC are scheduled for two-year tours and will be the only technicians who will be permitted to bring dependents.

(5) Dependents Will Will Not Be Permitted to Accompany Technician

D. Financing of Technical Services

(1) By AID - \$ 631.5 LE 106.4

(2) By Cooperating Country -

(See attached budget)

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20. Equipment and Supplies (Related to the services described in Block 19 and to be procured outside the Cooperating Country by the supplier of these services)

<u>A. (1) Quantity</u>	<u>(2) Description</u>	<u>(3) Estimated Cost</u>	<u>(4) Special Instructions</u>
	None		

B. Financing of Equipment and Supplies

(1) By AID - \$

(2) By Cooperating Country -

21. Special Provisions

- A. This PIO/T is subject to AID (contracting) ~~(and implementation)~~ regulations.
- B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services authorized under this PIO/T must be obtained from U.S. sources.
- C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.
- D. Other (specify):
NE/TECH/HRST, E. Pike

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22. Reports by Contractor or Participating Agency (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports, and any special requirements)

I. 2 Semi-annual reports

II. Project status reports from consultants and/or consultant teams at conclusion of visits

III. Contractee will maintain liason with other U.S. teams, academic and commercial doing work which is related to project purposes.

23. Background Information (Additional information useful to Authorized Agent and Prospective Contractors or Participating Agency; if necessary cross reference Block 19.C(4) above.)

See Attached

24. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities

Principal advisors and consultants will be assigned to Egyptian Academy of Scientific Research and Technology and the National Research Center.

B. Cooperating Country Liaison Official

Abu El Azm, President ASRT and Mohammed Kamel, Director NRC.

C. AID Liaison Officials

NE/TECH/HRST, E. Pike; USAID Egypt, James Riley

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LOGISTIC SUPPORT

25. Provisions for Logistic Support A. Specific Items (<i>Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments"</i>)	IN KIND SUPPLIED BY		FROM LOCAL CURRENCY SUPPLIED BY		TO BE PROVIDED OR ARRANGED BY SUPPLIER
	AID	COOPERATING COUNTRY	AID	COOPERATING COUNTRY	
(1) Office Space		X			
(2) Office Equipment		X			
(3) Housing and Utilities			X		
(4) Furniture			X		
(5) Household Equipment (<i>Stoves, Refrig., etc.</i>)			X		
(6) Transportation in Cooperating Country			X		
(7) Transportation To and From Country			X		X
(8) Interpreter Services/Secretarial		X	X		X
(9) Medical Facilities					X
(10) Vehicles (official)			X		
(11) Travel Arrangements/Tickets			X		
Other: (12)					
(specify) (13)					
(14)					
(15)					

B. Additional Facilities Available From Other Sources

- APO

 PX

 COMMISSARY

 OTHER (specify, e.g., duty free entry, tax exemption)

C. Comments

OVERALL BUDGET SUMMARY

By Major Activity

	US \$, (1,000)		LE x (1,000)	
	Year 1	Year 2	Year 1	Year 2
1. ASRT Advisor	100.4	104.5	11.9	14.5
2. NRC Advisor	100.4	104.5	11.9	14.5
3. Joint Consult. Comm.	18.6	18.6	11.1	11.1
4. ASRT Consultants	68.7	68.2	26.1	23.4
5. ASRT Training (Egypt)	14.1	14.1	5.0	5.0
6. ASRT Training (USA)	31.0	31.0	3.3	3.3
7. NRC Consultants	46.5	36.8	16.8	12.6
8. NRC Training (Egypt)	31.1	31.1	9.9	9.9
9. NRC Training (USA)	30.8	30.8	5.5	5.5
10. Invitational Travel	6.2	6.2	2.2	2.2
11. Contractor Mgt.	180.9	187.0	2.7	2.4
12. Phase II Planning	<u>2.8</u>	<u>21.7</u>	<u>0</u>	<u>0</u>
	631.5	644.5	106.4	104.4

7/15/77

Egypt
NAS-ASRT Joint Program

Table 1
Program Advisors (Resident in Egypt)

	US \$, (1,000)		LE x (1,000)	
	Year 1	Year 2	Year 1	Year 2
I. Salary and Allowances				
(a) Base salary	45.00	47.25		
(b) Fringe benefits (20%)	9.00	9.45		
(c) Post differential (10%)	<u>4.50</u>	<u>4.73</u>		
Subtotal	58.50	61.43		
(d) Overhead (40%)	<u>23.40</u>	<u>24.57</u>		
Subtotal I	81.90	86.00		
II. Location/Relocation				
(a) Location to Egypt (1)	7.5		2.0	
(b) Relocation to U.S.A. (1)		7.0		2.0
(c) Allowances in Egypt (2)	5.0	5.0	7.5	10.5
III. Travel				
(a) International (3)	0.2	0.2	1.4	1.0
(b) U.S.A. (4)	0.5	1.0		
(c) In Egypt, 30 days (5)	<u> </u>	<u> </u>	<u>1.0</u>	<u>1.0</u>
Subtotal II & III	13.2	13.2	11.9	14.5
(d) Overhead 40%	<u>5.3</u>	<u>5.3</u>		
	18.5	18.5		
Grand Total, I, II, & III	100.4	104.5	11.9	14.5

Numbers in Parenthesis (1) refer to Footnotes

Table 1

Footnotes

- (1) Assumes travel of Advisor + 3 dependents over age 12; total 4 adult fares.
One way fare U.S.A. to Cairo = LE500
4 persons x LE 500 = LE 2,000
Dollar costs given by AID/Cairo at \$7,500 to Cairo and \$7,000 Cairo return to U.S.A.
- (2) Allowances in Egypt are Housing, Temporary Quarters and Education.
Housing = LE 1,000/month but reduced by number of months in temporary quarters
Education allowance is paid in dollars.
AID/Cairo recommended LE 11,500 for 1st. year and LE 10,500 for 2nd year. This figure assumes 90 days in temporary quarters in Year 1 and 30 days in temporary quarters in Year 2.
Note: The Year 1 figure is recuded by 33% because it assumes arrival at post in month 5, Year 1.
- (3) Year 1: International travel is pre-hire interview visit to Egypt, assumes 7 days (LE \$1.4 + U.S. 0.2) x 1,000
Year 2: International travel is consultation trip to Washington
Travel = \$0.2 plus LE 1.0
- (4) U.S.A. travel includes \$500 for Year 1 pre-hire interview visit to Washington; Year 2 travel in U.S.A. = 15 days at \$50/day + \$250 dollar additional costs.
- (5) In Egypt travel costs from USAID/Cairo
30 days x LE 20/day + LE 400 transportation = LE 1,000

Table 2

Joint Consultative Committee

	US \$1,000		LE x 1,000	
	Year 1	Year 2	Year 1	Year 2
I. Consulting Fees (1)	9.0	9.0		
II. Consultant Travel, Int'l (2)	0.6	0.6	8.4	8.4
III. Consultant Travel, USA (3)	2.4	2.4		
IV. Contractor Travel				
(a) USA (4)	0.9	0.9		
(b) Int'l (5)	<u>0.4</u>	<u>0.4</u>	<u>2.7</u>	<u>2.7</u>
Subtotal	13.3	13.3	11.1	11.1
Overhead, 40%	<u>5.3</u>	<u>5.3</u>		
Grand Total	18.6	18.6	11.1	11.1

Foot Notes

- (1) Assume consulting fee = \$150/day; Joint Consul't. Comm. = 3 persons
Joint Consultative Committee assumed to work 12 days/year in Egypt
+ 8 days/year in U.S.A. = 20 days

Total consulting fee = 20 days x \$150/day x 3 persons = U.S. \$9,000

- (2) Assumes 2 trips, 7 days/trip to Egypt
3 persons x 2 trips x LE 1,400 = LE 8,400
- (3) U.S.A. travel for Consultants
Assume 2 trips/person x 3 persons x \$400 US\$2,400
- (4) U.S.A. travel for Contractor
Assume 3 trips/year x US\$ 300/trip US\$,900
- (5) International travel for Contractor
Assume 14/21 day Excursion fare USA-Egypt = LE 750
Assume 15 days/trip for per diem = 15 x LE 40 LE 600
2 trips/year x LE 1,350 = LE 2,700
International stopovers 2 x \$0.2 = US\$ 0.4

Table 3

ASRT Consultant Teams

	US\$ x 1,000		LE x 1,000	
	Year 1	Year 2	Year 1	Year 2
I. Project Design Teams				
A. Consultant Fees (1)	9.0	9.0		
B. Consultant Travel: Int'l (2)	1.2	1.2	8.4	8.4
C. Contractor Staff Travel (3)	0.4	0.0	2.7	0.0
II. Project Consultant Teams				
A. Consultant Fees (4)	27.0	27.0		
B. Consultant Travel, Int'l (5) (Includes per diem)	1.2	1.2	12.0	12.0
C. <u>No</u> Contractor Staff Travel				
III. Other Costs				
A. Secretarial Support (6)	4.8	4.8	1.6	1.6
B. USA travel (7)	4.0	4.0		
C. Transport in Egypt (8)			1.4	1.4
D. Reports of Design Teams and Consultant Teams (9)	<u>1.5</u>	<u>1.5</u>		
Subtotal	49.1	48.7	26.1	23.4
Overhead, 40%	19.6	19.5		
Grand Total	68.7	68.2	26.1	23.4

Table 3

Foot Notes

- (1) Assume Consulting Fee = \$150/day
 For Project Design Teams
 Year 1: 3 teams x 2 persons/team x 10 days/year x \$150/day = \$9,000
 Year 2: Same as Year 1 9,000
- (2) Design Team Travel
 Year 1: 3 teams x 2 $\frac{\text{persons}}{\text{team}}$ x 1 $\frac{\text{trip}}{\text{year}}$ x $\frac{\text{LE } 1,400}{\text{pers.}}$ = LE 8,400
 Year 2: Same as Year 1 LE 8,400
 Dollar Component = \$0.2/pers./trip
- (3) Contractor Staff Travel (14 days/trip)
 Year 1: Contractor staff accompanies 2 teams* LE 2,700
 Year 2: No contractor staff travel from USA
 *See Footnote (5), Table 2
- (4) Consultant Teams Fees = \$150/day
 Year 1: 3 teams x 2 persons x 30 days x \$150 = US 27,000
 Year 2: Same as Year 1 US 27,000
- (5) Consultant Team Travel, International
 Assume 22/45 day Excursion tickets = LE 750
 Per diem = LE 40 x 30 = LE 1,200
 Total LE 2,000
 Year 1: 3 teams x 2 $\frac{\text{persons}}{\text{team}}$ x $\frac{\text{LE } 2,000}{\text{per}}$ LE 12,000
 Year 2: Same as Year 1 LE 12,000
- (6) Year 1: Assume 4 person month secretarial support in USA and in Egypt
 Year 2: Assume 4 person-month in USA and in Egypt
 1 Person month in USA = \$1,200 (includes fringe benefits)
 in Egypt - LE 400
- (7) USA travel assumes visits of consultants to Washington prior to travel to Egypt
 Year 1: 10 persons x \$400/person US\$4,000
 Year 2: 10 persons x \$400/person US\$4,000

Table 3

Foot Notes (cont'd)

(8) Transport in Egypt	
Year 1: 4 month car rental x LE 350/mo.	LE 1,400
Year 2: Same as Year 1	LE 1,400
(9) Reports calculated at US \$500/each (Assumes all prepared in USA)	
Year 1: 3 teams x \$500	US\$1,500
Year 2: 3 teams x \$500	US\$1,500

Table 4

ASRT Training in Egypt

	US \$ x 1,000		LE x 1,000	
	Year 1	Year 2	Year 1	Year 2
I. Consultant Fees (1)	6.3	6.3		
II. Consultant Travel, Int'l (2)	0.6	0.6	4.2	4.2
III. Contractor Travel, Int'l	0	0	0	0
IV. Other Costs				
A. Secretarial (3)	1.2	1.2	0.4	0.4
B. Car Transport in Egypt (4)			0.35	0.75
C. Workshop Materials (5)	<u>2.0</u>	<u>2.0</u>		
Subtotal	10.1	10.1	4.95	4.95
Overhead 40%	<u>4.0</u>	<u>4.0</u>		
Grand Total	14.1	14.1	5.0	5.0

Table 4

Foot Notes

- (1) Consultant Fees based on \$150/day
Year 1: 1 Workshop x 3 consultants x 14 days x \$150/day \$6,300
Year 2: Same as Year 1 \$6,300
- (2) Consultant Travel
Assume 14/21 day Excursion = LE 750
Assume 15 day x LE 40/day = LE 600
Total LE 1,350 = LE 1,400
Year 1: 1 Wk. x 3 $\frac{\text{pers.}}{\text{Wk.}}$ x 1,400 LE 4,200
Year 2: Same as Year 1 LE 4,200
- (3) Secretarial Costs
Year 1: 1 pers.-mo. in USA and in Egypt
USA 1 x \$1,200; Egypt 1 x LE 400
Year 2: Same as Year 1
- (4) Transport in Egypt
Year 1: 1 Mo. x LE 350
Year 2: Same as Year 1
- (5) Workshop Materials
Assume \$2,000/Workshop
Year 1: \$2,000; Year 2: \$2,000

Table 5

ASRT Training in USA

	US \$, (1,000)		LE x (1,000)	
	Year 1	Year 2	Year 1	Year 2
I. Direct Training (1)	21.6	21.6		
II. Travel, Int'l (2)	<u>0.6</u>	<u>0.6</u>	<u>3.3</u>	<u>3.3</u>
	22.2	22.2		
Overhead 40%	<u>8.8</u>	<u>8.3</u>		
	31.0	31.0	3.3	3.3

Foot Notes

(1) Assume 3 persons x 4 months x \$1,800/mo.

\$21,600

(2) Assume LE 1,100/person x 3 persons

Table 6
NRC Consultant Teams

	US \$, (1,000)		LE x (1,000)	
	Year 1	Year 2	Year 1	Year 2
I. Project Design Teams				
A. Consultant Fees (1)	4.2	4.2		
B. Consultant Travel, Int'l (2)	0.8	0.8	5.6	5.6
II. Project Consultant Teams				
A. Consultant Fees (3)	9.0	9.0		
B. Consultant Travel, Int'l (4)			4.0	4.0
III. Scientist/Engineer Consultants				
A. Consultant Fees (5)	6.3			
B. Consultant Travel (6)	0.6		4.2	
IV. Other Costs				
A. Secretarial Support (7)	4.8	4.8	1.6	1.6
B. Transport in Egypt (8)			1.4	1.4
C. U.S.A. travel (9)	4.0	4.0		
D. Reports (10)	3.5	3.5		
Subtotals	<u>33.2</u>	<u>26.3</u>	<u>16.8</u>	<u>12.6</u>
Overhead, 40%	<u>13.3</u>	<u>10.5</u>		
Grand Total	46.5	36.8	16.8	12.6

Table 6

Foot Notes

- (1) Consulting Fees = \$150/day, Project Design Teams
 Year 1: 2 teams x 2 $\frac{\text{persons}}{\text{team}}$ x $\frac{7 \text{ days}}{\text{trip}}$ x 1 trip x $\frac{\$150}{\text{day}}$ US \$4,200
 Year 2: Same as Year 1 4,200
- (2) Project Design Team Travel, Int'l
 Year 1: 2 teams x 2 $\frac{\text{person}}{\text{team}}$ x $\frac{\text{LE } 1.4}{\text{per trip}}$ x 1 trip LE 5,600
 Year 2: LE 8,400
- (3) Project Consultant Teams, Consulting Fees @ \$150/day
 Year 1: 2 persons x 30 $\frac{\text{days}}{\text{person}}$ x $\frac{\$150}{\text{day}}$ US \$9,000
 Year 2: Same as year 1 US \$9,000
- (4) Consultant Travel, Int'l
 Assume 22/45 day Excursion = LE 750
 Per diem: 30 x LE 40 $\frac{1,200}{\text{Av. LE } 2,000}$
 Year 1: 2 persons x LE \$2,000 LE 4,000
 Year 2: Same as Year 1 LE 4,000
- (5) Consultant Fees = \$150/day, Scientists/Engineers
 Year 1: 3 persons x \$150/day x 14 days US \$6,300
 Year 2: None
- ((.) Consultant Travel, Excursion Rate = LE 750
 Per diem 15 x 40 $\frac{\text{LE } 600}{\text{LE } 1,350 =}$ LE 1,400
 Year 1: 3 persons x LE 1,400 LE 4,200
 Year 2: None
- (7) Secretarial Support
 See Table 3, Footnote (6)
- (8) Transport in Egypt
 See Table 3, Footnote (8)

Table 6

Foot Notes (Cont'd)

- (9) USA Travel
See Table 3, Footnote (7)
- (10) Reports
- | | |
|------------------------------------|------------|
| Year 1: $(2 + 2 + 3) \times \$500$ | US \$3,500 |
| Year 2: Same as Year 1 | US \$3,500 |

Table 7
NRC Training in Egypt

	US \$, (1,000)		LE x (1,000)	
	Year 1	Year 2	Year 1	Year 2
I. Management Trg.				
A. Consultant Fees (1)	6.3	6.3		
B. Consultant Travel, Int'l (2)	0.6	0.6	4.2	4.2
II. Marketing Seminars (3)				
A. Consultant Fees	6.3	6.3		
B. Consultant Travel Int'l	0.6	0.6	4.2	4.2
III. Other Costs				
A. Secretarial (4)	2.4	2.4	0.8	0.8
B. Transport in Cairo (5)			0.7	0.7
C. U.S.A. Travel (6)	2.0	2.0		
D. Materials (7)	<u>4.0</u>	<u>4.0</u>		
	22.2	22.2	9.9	9.9
Overhead, 40%	<u>8.9</u>	<u>8.9</u>		
	31.1	31.1	9.9	9.9

Table 7

Foot Notes

(1) Consultant Fees, Mfg. Trg. Courses	(\$150/day)	
Year 1:	1 course x 3 pers. x 14 day x 150/day	US \$6,300
Year 2:	Same as Year 1	6,300
(2) Consultant Travel		
	See table 4, footnote (2)	
Year 1:	3 persons x LE 1,400	LE 4,200
Year 2:	Same as Year 1	LE 4,200
(3) Marketing Seminars		
	See Footnotes (1) and (2) above.	
(4) Secretarial Services		
Year 1:	USA, 2 person-mo; Egypt 2 person-mo.	
Year 2:	Same as Year 1	
(5) Transport in Cairo		
Year 1:	2 mo. car rental x LE 350	LE 700
Year 2:	2 mo. car rental x LE 350	LE 700
(6) USA Travel		
Year 1:	5 trips x \$400	\$2,000
Year 2:	5 trips x \$400	\$2,000
(7) Materials for Seminars		
	Assume \$2,000 per seminar or workshop	
Year 1:	2 x \$2,000	\$4,000
Year 2:	2 x \$2,000	\$4,000

Table 8

NRC Training in USA

	US \$ x 1,000		Le x 1,000	
	Year 1	Year 2	Year 1	Year 2
I. Management Training				
A. Basic Cost (1)	10.8	10.8		
B. Supplemental Cost (2)	3.0	3.0		
C. International Travel (3)	0.6	0.6	3.3	3.3
II. Science/Engineering				
Short Courses				
A. Basic Costs (4)	7.2	7.2		
B. International Travel	<u>0.4</u>	<u>0.4</u>	<u>2.2</u>	<u>2.2</u>
Subtotal	22.0	22.0	5.5	5.5
Overhead, 40%	8.8	8.8		
Grand Total	30.8	30.8	<u>5.5</u>	<u>5.5</u>

Footnotes

- (1) Assume 3 persons x 2 mo. x $\frac{\$1,800}{\text{mo.}}$ US \$10,800
Year 1: \$10,800
Year 2: \$10,800
- (2) Short term management training typically has very high tuition.
Assume \$1,000/person/course
- (3) International Travel
3 persons x LE 1.1 = LE 3.3
- (4) Assume 2 persons x 2 mo. x \$1,800/mo. US \$ 7,200

Table 10
Contractor Staff

	US \$, (1,000)		LE x (1,000)	
	Year 1	Year 2	Year 1	Year 2
I. Personnel Salaries				
A. Program Mgt. Staff (1)	50.0	52.5		
B. Administrative (2)	12.0	12.6		
C. Secretarial (3)	12.0	12.6		
D. Fringe Benefits, 20%	14.8	15.5		
II. Travel				
A. U.S.A. (4)	4.0	4.0		
B. International (5)	0.4	0.4	2.7	2.4
III. Expendables (6)	12.0	12.0		
IV. Communications & Shipping (7)	<u>24.0</u>	<u>24.0</u>	<u> </u>	<u> </u>
Subtotal	129.2	133.6	2.7	2.4
Overhead, 40%	<u>51.7</u>	<u>53.4</u>	<u> </u>	<u> </u>
	180.9	187.0	2.7	2.4

Tabel 10

Foot Notes

- (1) Assumes 18 person-mo./year; 2nd year reflects 5% cost of living increase
- (2) Assumes 6 person-mo./year; 2nd year reflects 5% cost of living increase
- (3) Assumes 12 person-mo./year; 2nd year reflects 5% cost of living increase
- (4) U.S.A. Travel: Assume 5 trips x \$800 = \$4,000
- (5) Int'l. Travel: Assume 2 trips, Washington to Cairo
Year 1 2 x LE 1.35 = LE 2.7
Year 2 2 x LE 1.2 = LE 2.4
- (6) Expendables include xerox charges, office supplies, books and reference materials
- (7) Communications & Shipping include telephone, telex, cable, postage, shipment of supplies to Cairo, excess baggage allowances, etc.

Table 11
Phase II Planning

	US \$, (1,000)		LE x (1,000)	
	Year 1	Year 2	Year 1	Year 2
I. Consultant Fees (1)		10.5		
II. Travel				
A. U.S.A. (2)	2.0	5.0		
B. International (3)	<u>0</u>	<u>0</u>		
Subtotals	2.0	15.5		
Overhead 40%	0.8	6.2		
	<u>2.8</u>	<u>21.7</u>		

Foot Notes

- (1) Year 1: None
Year 2: 5 persons x 14 days x \$150/day U.S. \$10,500
- (2) U.S.A. Travel:
Year 1: 5 persons x \$400 2,000
Year 2: 10 persons x \$500 5,000
- (3) International
Deferred to Year 3

A.I.D. Project Number 263-0016

APPLIED SCIENCE AND TECHNOLOGY RESEARCH

SCOPE OF WORK

11.

1. Summary

The goal of the Applied Science and Technology Research Project is to assist the Egyptian scientific and technological research community in reorienting its research toward high priority national development problems by improving its institutional capability to develop and manage research programs applied to national development needs.

The project grant agreement (A.I.D. Number 263-0016, dated March 29, 1977) is for an initial period of two years. It is anticipated that the project will continue for 3 additional years beyond Phase I, ~~extended by 12 months~~, should a continuation be warranted. Phase II must be planned in detail during the Phase I time period which expires on October 1, 1979.

Under a contract to be negotiated within the terms of this PIO/T the contracting organization will provide the services needed to implement the grant agreement (A.I.D. 263-0016) for applied science and technological research with the Arab Republic of Egypt (GOE). These services are described under the following major categories:

- Policy Planning and Management;
- Research and Development Sub-project Support;
- Demonstration Sub-project Support;
- Phase II Project Design.

2. Policy Planning and Management

To implement the category of policy planning and management the Contractor will provide the services and establish the activities described below:

A. Joint Consultative Committee U.S.

Appoint three/members to a Joint Consultative Committee (JCC) who will serve with Three Egyptians appointed by the Academy of Scientific Research & Technology (ASRT). Each committee member will be a highly qualified professional having extensive experience in the management of applied research. The contractor will provide all necessary technical and logistic services to the U.S. members.

The functions of the JCC are as follows:

1) To meet and initially review the policies under which the program is to function and to outline procedures to follow in conducting periodic reviews;

2) To review at approximately six-month intervals, the accomplishments of the preceding period and make plans for the coming year, and to determine the extent to which operations are consistent with the program goal;

3) To provide guidance on program direction to the ASRT, and the National Research Centre (NRC) and other GOE institutions and agencies participating in the program;

4) To assist the ASRT and the NRC in establishing criteria for the identification and selection of projects that may be supported under the program;

5) To provide links with U.S. and Egyptian scientific insti-

tutions, individuals and other resources that may be called upon to assist in the program;

6) To serve as an integrative advisory group with the GOE in program related functions of the grant agreement (research and development subprojects, demonstration subprojects, scientific equipment subproject, scientific and technical information subproject, and Phase II planning.);

7) To function as a "sounding board" in relation to policy suggestions relating to the proper role of science and technology in Egyptian development; and

8) To maintain liaison with the Joint Working Group on *Technology, Research & Development* formed by the Governments of the United States of America and the Arab Republic of Egypt.

B. Advisor to the ASRT

Select, recruit, assign and provide logistic support in Egypt to one fully qualified professional who will serve as a full time Advisor to the ASRT for the program working closely with the President, Vice Presidents, Secretary General, Program Monitors and other senior officials of the ASRT and associated research institutions in:

1) Planning and structuring research and development sub-projects, and any demonstration sub projects which the ASRT may sponsor under the program;

2) Conceptualizing the role of the Academy Program Monitors, potential research managers, and directors in research institutions

supported by the Academy under the program. This may entail the establishing and/or extending of working relationships with ministries and departments of the GOE and with research institutions and other users of research results;

3) Advising the ASRT on new research program plans and modifying existing research programs in line with development objectives recommended by the JCC;

4) Providing guidance in the identification of, and liaison with, appropriate U.S. institutions and agencies in utilizing the other components of U.S. AID technical assistance such as training, short-term consultant teams, etc; and

5) Serving as a member ex officio of the JCC for purposes of program planning and evaluation in both Phase I and Phase II.

C. Consultant Teams to the Academy and Associated Institutions

Technical assistance teams whose members shall be recruited from United States sources will be provided to:

1) Assist in the conceptualization, design, and technical implementation of research and development and demonstration sub projects. Particular attention will be given to proposed and ongoing work to assure that it has not been conducted previously in other countries and is designed to take advantage of opportunities and capabilities in Egypt;

2) Assist in training Program Monitors, research and/or demonstration program managers, directors and technicians in all

phases of the program; and

3) Facilitate scientific and technical communication and information transfer between the Egyptian and U.S. scientific and technical communities in areas directly associated with the needs of the program.

D. Train Academy and Associated Staff

In addition to providing opportunities for the training of ASRT staff, the contractor will help train those other groups receiving research or demonstration sub project support in universities, institutes, other agencies and organizations. Training may be short or long term and may take the form of association with consultant teams while they are working in Egypt; specially organized workshops in Egypt, the U.S.A. or approved third countries; and individually arranged observation/study visits for the purpose of:

1) Formulation, execution, technical management and/or evaluation of research or demonstration projects; and

2) Fiscal and general management and evaluation of research and development, particularly for high level policy management.

E. Advisor to the NRC Program

Select, recruit, assign and provide logistic support in Egypt to one fully qualified individual who will serve as a full time advisor to the Director of the NRC and other high level NRC management staff in:

1) Planning and structuring demonstration sub projects under the program. In particular, attention will be given to

the development of the sub project designated by the title "More and Better Food";

2) Serving as a personal advisor, as requested by the NRC director, in such areas relating to the operation of the NRC as overall development and planning, organization and structure, management control, and evaluation;

3) Planning and coordinating arrangements for approximately four two-week management and administrative seminars which will then be provided by a U.S. organization or by consultants on-site in Egypt;

4) Identifying specialized skills and scientific techniques within the NRC that need strengthening. These can then be remedied through training either in Egypt, the U.S.A., or in approved third countries;

5) Providing information on technologies appropriate for adaptation to the Egyptian human and physical environment;

6) Strengthening the NRC's capability to work with research and development and users by assisting in the training in marketing methods which are appropriate to contract research organizations; and

7) Serving as a member ex officio of the JCC for purposes of program planning and evaluation in both Phase I and Phase II.

F. Consultant Teams to the NRC

Technical assistance teams whose members shall be recruited from United States sources will be provided to:

1) Assist the NRC in the conceptualization, preparation of a research plan, conduct research, and evaluate the preliminary results of the demonstration sub project identified as "More and Better Food." Planning for the continuation under Phase II will also be carried out with the assistance of consultant teams as may be required; and

2) Assist the NRC in training of staff in various aspects of marketing methods appropriate to contract research organizations.

G. Other Services

Opportunities will be provided for the NRC Director and for a limited number of high-level NRC and ASRT high level management officials to make and orientation and observation visit to appropriate organizations or programs in the U.S.A. These visits may also include attendance in management-type short courses in U.S. institutions.

A limited number of U.S. scientists-managers may also be brought to the NRC and ASRT and associated institutions on invitational travel for similar purposes.

3. Research and Development Sub Project Support

The category of research and development sub project support will be carried on by the ASRT with the assistance of the contractor as described in this PIO/T and with the assistance of the United States National Science Foundation (NSF) as described in a separate Participating Agency Service Agreement (PASA) on scientific instrumentation.

In general the roles of the contractor and the NSF during Phase I of the project are as follows:

The Contractor has the responsibility of providing overall advice to the ASRT in the process of design conceptualization, selection, implementation and evaluation of three to five research and development projects chosen from the list of 10 broad problem areas listed below:

- a) Plant production and protection
- b) Animal research and fisheries
- c) Soil and water resources
- d) Medical research
- e) Building technology
- f) Industrial research
- g) Petroleum and mineral resources
- h) Energy research
- i) Transportation research
- j) Physics and electronics applications

The Contractor also is responsible for assisting in specialized training of staff from ASRT, associated research institutions, and the NRC in areas directly related to the project. This training will generally be short term (4 months maximum) and may be carried out in Egypt or the U.S.A. so as to achieve most appropriately the objectives of the program.

The NSF has overall responsibility with the ASRT in the selection and provision of necessary scientific equipment for

the approved research and development sub projects.

It is understood that the Contractor and the NSF will work closely to coordinate their efforts with the ASRT in fulfilling their mutual responsibilities.

The ASRT will receive local currency funds for contract payments to be used as incentives in the research and development sub projects. The management and accounting for these funds is the responsibility of the ASRT. The Contractor will, from time to time, advise on criteria and procedures.

4. Demonstration Sub Project Support

Demonstration sub project support will be carried on by the NRC and the ASRT with the assistance of the Contractor as described in this PIO/T and with the assistance of the NSF as described in a separate PASA on scientific instrumentation.

The first demonstration sub project is to be carried out by the NRC in food technology and nutrition and is entitled "More and Better Food". In scope the proposed project is to begin with a multidisciplinary study of the complex and interactive elements of plant and animal production; food and agricultural by-products; non conventional methods of food production; and nutritional assessment of adults, young children, pregnant women and nursing mothers. This work will be done primarily at the NRC in Cairo. Later, (Phase II), the production, harvesting, preservation, transportation and marketing of local agricultural products will be included in the research with reference to a particular village and/or other rural location. The end goal

is to increase and possibly diversity the food production in the geographic area selected to improve the nutrition and socio-economic status of villagers at the lowest economic income levels.

The NRC has already begun to plan the experimental design of the "More and Better Food" project but because of the complex multidisciplinary nature of the task, it is planned that the design will be completed with the assistance of the contractor approximately 3-6 months after signing of the contract. Thereafter, technical assistance will be made available for detailed design and during the life of the project other assistance will be provided as needed. In Phase II the field work and village application will be undertaken. A comprehensive evaluation will be included in the program design.

The NSF under its PASA with AID has responsibility to assist the NRC in the selection and provision of necessary scientific equipment and instrumentation for the "More and Better Food" demonstration sub project in Phase I.

A second demonstration sub project is also included in the plan for Phase I of the overall program. It is to be managed by the ASRT and involve a number of Egyptian universities and other institutions. The advisor to the ASRT will work with individuals designated by the President of the ASRT in the program conceptualization during the first year of the contract. During the second 6-12 months of Phase I, the ASRT demonstration project will move forward to the detailed design stage so that its implementation may be in as soon as Phase II is funded.

Worksheet

AID 1350-1X (1-78)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country Egypt	Page 1 of 6 Pages		
PIO/T	PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	2. PIO/T No. 263-0016-2-80047	3. <input checked="" type="checkbox"/> Original or Amendment No. _____		
		4. Project/Activity No. and Title 263-0016 Applied Science and Technology Research			
DISTRIBUTION	5. Appropriation Symbol 72-1181006/72-FT-745	6. Allotment Symbol and Charge 856-50-263-00-69-81/B42-10-099-00-87-00			
	7. Obligation Status <input type="checkbox"/> Administrative Reservation <input checked="" type="checkbox"/> Implementing Document	8. Project Assistance Completion Date (Mo Day Yr) 10/31/80			
	9. Authorized Agent AID/W	10. This PIO/T is in full conformance with PRO/AG Date _____			
	11a. Type of Action and Governing AID Handbook <input type="checkbox"/> AID Contract (HB 14) <input checked="" type="checkbox"/> PASA/RSSA (HB 12) <input type="checkbox"/> AID Grant (HB 13) <input type="checkbox"/> Other	11b. Contract/Grant/PASA/RSSA Reference Number (If this is an Amendment)			
	12. Estimated Financing (A detailed budget in support of column (2) is attached as attachment no. <u>1</u>)				
		(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
	Maximum AID Financing	A. Dollars \$528,506	\$393,494		\$922,000
		B. U.S.-Owned Local Currency LE 51,900	LE 60,100		LE 112,000
13. Mission References Cairo 15671	14a. Instructions to Authorized Agent: SER/CM/NE is requested to amend PIO/T 70011 to revise Scope and Budget as described herein, to add funds to meet full objectives of project, and to negotiate a single PASA with NSF for the latter to perform the scope of work described in this and in PIO/T No. 80048. All other terms and conditions remain the same.				
	14b. Address of Voucher Paying Office USAID/Cairo, Office of the Controller				
15. Clearances—Include typed name, office symbol, telephone number and date for all clearances.					
A. The project officer certifies that the specifications in the statement of work are technically adequate	Phone No. 29734	B. The statement of work lies within the purview of the initiating and approved agency programs		Date	
Ed Pike, NE/TECH/HRST	Date 6/29/78	NE/EI: J. Roberts		Date for July 3, 1978	
C. _____	Date	D. Funds for the services requested are available			
James F. Smith, NE/TECH/HRST	7/3/78				
E. _____	Date				
NE/TECH, Thelma Patterson TP					
16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to		17. For the Agency for International Development			
Signature _____	Date _____	Signature <i>William J. Roberts</i>		Date 7/5/78	
		Title Director, NE/TECH			

Worksheet

AID 1350-1X (1-78)	1. Cooperating Country <u>Egypt</u>	2. PIO/T No. <u>263-0016-2-80047</u>	Page 2 of <u>6</u> , Pages
PIO/T	4. Project/Activity No. and Title <u>263-0016</u> <u>Applied Science and Technology Research</u>		

SCOPE OF WORK

18. THE SCOPE OF TECHNICAL SERVICES REQUIRED FOR THIS PROJECT ARE DESCRIBED IN ATTACHMENT NUMBER _____ HERETO ENTITLED "STATEMENT OF WORK".

19. SPECIAL PROVISIONS

- A. LANGUAGE REQUIREMENTS (SPECIFY) None
(IF MARKED, TESTING MUST BE ACCOMPLISHED BY AID TO ASSURE DESIRED LEVEL OF PROFICIENCY)
- B. ACCESS TO CLASSIFIED INFORMATION WILL WILL NOT BE REQUIRED BY TECHNICIAN(S).
- C. DUTY POST(S) AND DURATION OF TECHNICIANS' SERVICES AT POST(S) (MONTHS) Egypt 0.5 - 1.5 months
- D. DEPENDENTS WILL WILL NOT BE PERMITTED TO ACCOMPANY TECHNICIAN.
- E. WAIVER(S) HAVE BEEN APPROVED TO ALLOW THE PURCHASE OF THE FOLLOWING ITEM(S) (COPY OF APPROVED WAIVER IS ATTACHED)
- F. COOPERATING COUNTRY ACCEPTANCE OF THIS PROJECT (APPLICABLE TO AID/W PROJECTS ONLY)
 HAS BEEN OBTAINED HAS NOT BEEN OBTAINED
 IS NOT APPLICABLE TO SERVICES REQUIRED BY PIO/T
- G. OTHER (SPECIFY)

20. BACKGROUND INFORMATION (ADDITIONAL INFORMATION USEFUL TO AUTHORIZED AGENT)

21. SUMMARY OF ATTACHMENTS ACCOMPANY THE PIO/T (INDICATE ATTACHMENT NUMBER IN BLANK)

- 1 DETAILED BUDGET IN SUPPORT OF INCREASED FUNDING (BLOCK 12)
- _____ EVALUATION CRITERIA FOR COMPETITIVE PROCUREMENT (BLOCK 14)
- _____ JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT (BLOCK 14)
- 2 STATEMENT OF WORK (BLOCK 18)
- _____ WAIVER(S) (BLOCK 19) (SPECIFY NUMBER)

Worksheet

AID 1350-1X (1-78)	1. Cooperating Country Egypt	2. PIO/T No. 263-0016-2-80047	Page 3 of 6 Pages
PIO:T	4. Project/Activity No. and Title 263-0016 - Applied Science and Technology Research		

22. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities

B. Cooperating Country Liaison Official

C. AID Liaison Officials

LOGISTIC SUPPORT

23. Provisions for Logistic Support	IN KIND SUPPLIED BY		FROM LOCAL CURRENCY SUPPLIED BY		TO BE PROVIDED OR ARRANGED BY SUPPLIER
	AID	COOPERATING COUNTRY	AID	COOPERATING COUNTRY	
A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C, "Comments")					
(1) Office Space					
(2) Office Equipment					
(3) Housing and Utilities					
(4) Furniture					
(5) Household Equipment (Stoves, Refrig., etc.)					
(6) Transportation in Cooperating Country					
(7) Transportation To and From Country					
(8) Interpreter Services/Secretarial					
(9) Medical Facilities					
(10) Vehicles (official)					
(11) Travel Arrangements/Tickets					
(OTHER SPECIFY)					
(12)					
(13)					
(14)					
(15)					

B. Additional Facilities Available From Other Sources

- APO/FPO
 PX
 COMMISSARY
- OTHER (Specify, e.g., duty free entry, tax exemption)

BUDGET PLAN SUMMARY

	US DOLLARS	EGYPTIAN POUNDS
I. PROJECT CONTRACTS		
- A. DESIGN STUDY	181,000	12,000
- B. COMPUTER-ACCESSED INFO	123,000	7,000
- C. CURRENT INFO RESOURCES		
- PHASE I-PLANNING STUDY	60,400	5,000
- PHASE II-ACQ & DLVRY	275,000	18,000
- D. TRAINING PROGRAM	215,000	15,000
II. AD HOC TRAINING OPPORTUNITIES	15,600	10,500
III. PROJECT MGMT & EVALUATION		6,000
- A. PROPOSAL EVALUATION PANEL	6,000	6,000
- B. TECHNICAL ADVISORY GROUP	5,000	13,280
- C. PROJECT REVIEW PANEL	12,480	7,080
- D. NSF MANAGEMENT SERVICES	27,920	18,140
- TOTAL	922,000 922,000	112,000

AID-1300-1X (7-69)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	<input checked="" type="checkbox"/> Worksheet <input type="checkbox"/> Issuance	PAGE OF 5 PAGES
CONTINUATION SHEET		1. Cooperating Country Egypt	2.a. Code No.
FORM SYMBOL	TITLE OF FORM	2.b. Effective Date	2.c. <input type="checkbox"/> Original OR <input type="checkbox"/> Amendment No: _____
		3. Project Activity No. and Title 263-0016 Applied Science and Technology Research	

Use this form to complete the information required in any block of a PIO or PA, PR form.

Indicate black numbers.

No. 18
(Continued)

Statement of Work:

A. Objective: Improvement of scientific and technical services to meet the information needs of the Egyptian scientific and technical community.

B. Scope of Work: The National Science Foundation's Division of International Programs shall provide overall management and technical services to implement a two-year, Phase I scientific and technical information sub-project as outlined in the "Project Grant Agreement between the Arab Republic of Egypt and U.S.A. for Applied Science and Technology Research," A.I.D. Project Number 263-0016, the two-year Phase I effort shall consist of the following elements and sub-elements:

Sub-elements: (a) Design study for a nationwide network of S&T information services. The objective is to provide policy, methodological and technical guidance and assistance to designated Egyptian groups in design, planning and implementation of a nationwide STI network in Egypt. Results from the design study are expected to include: (1) a draft statement of a national S&T information policy; (2) a survey assessment of information needs and information resources available in Egypt; (3) a draft plan or blueprint for a nationwide system for S&T information services, based on an assessment of needs and existing resources, and including a proposed schedule for implementation; (4) specification of the appropriate technology to be introduced in various stages of network evolution; (5) guidelines and a short- and long-term plan for an education and training program to supply personnel required to implement and operate the national information network; (6) a plan for developing and operating a continuing inventory or registry of ongoing research projects initially for the Academy of Scientific Research and Technology and later for the entire country; and (7) a survey of technical assistance programs and projects in the information field in Egypt currently supported or planned by international organizations (such as UNESCO), regional organizations (such as the Arab League Educational, Cultural and Scientific Organization--ALESCO) and foundations and development assistance organizations of other countries (such as Germany, France, Saudi Arabia).

(b) Computer-accessed information reference services. The purpose of this project is to test at least one way of providing Egyptian researchers with current information re. relevant to their research interests, namely selective dissemination of information. This will involve: (i) identification of priority topics and researchers; (ii) construction of USER interest profiles; (iii) appropriate in-country training program; (iv) acquisition of information from U.S. data bases.

(c) Planning study on supplying current S&T literature. Two stages in this effort to supply current materials are projected: (i) identification of need, determination of availability and cost, and recommendation for implementation of a program to supply S&T information material to Egyptian scientists;

CONTINUATION
SHEET

FORM SYMBOL

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

263-0015

 Worksheet Issuance

PAGE 6 OF 6 PAGES

1. Cooperating Country

Egypt

2.a. Code No.

2.b. Effective Date

2.c.

 Original OR Amendment
No: _____

3. Project/Activity No. and Title

263-0015 Applied Science and Technology Research

Indicate block
numbers.

Use this form to complete the information required in any block of a PIO or PA, PR form.

(ii) acquisition and delivery of S&T information material and development of training programs for use and maintenance of accessory equipment.

(d) Short-term training program for information specialists. The purpose of this project is to initiate a short-term (6-9 months) non-degree training program in the U.S. for 10-12 information specialists to provide for immediate development of special competencies, initially for NIDOC and the Cairo University Department of Archives and Librarianship. Needs of their institutions shall be determined and eventually included in the project.

AD HOC Training Opportunities: In addition to the short-term training program for information specialists, which limits training opportunities to persons annually in a special program conducted in the U.S. only, provision shall be made to take advantage of other training opportunities of a special nature that may present themselves from time to time both in the U.S. and Egypt. Opportunity for such training, identified by NSF and NIDOC, shall be provided for three or more Egyptian Specialists to be selected by NIDOC. To reach a wider Egyptian group of information specialists and USERS, special workshops shall be arranged to be held in Egypt from time to time.

Further detail on the scope of this effort is contained in Annex, "Project Management Plan for Development of Egyptian S&T Information Services."

Worksheet

AID 1050-1X (1-78)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country EGYPT	Page 1 of 6 Pages
		2. PIO/T No. 263-0016-2-80047	3. <input checked="" type="checkbox"/> Original or Amendment No. _____
		4. Project/Activity No. and Title 263-0016 Applied Science and Technology Research	

DISTRIBUTION	5. Appropriation Symbol 72-1181006/72-FT-745	6. Allotment Symbol and Charge 856-50-263-00-69-81 /B42-10-099-00-87-00
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7. Obligation Status <input type="checkbox"/> Administrative Reservation <input checked="" type="checkbox"/> Implementing Document	8. Project Assistance Completion Date (Mo., Day, Yr.) 10/01/80
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9. Authorized Agent AID/W	10. This PIO/T is in full conformance with PRO. AG Date _____
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11a. Type of Action and Governing AID Handbook <input type="checkbox"/> AID Contract (HB 14) <input checked="" type="checkbox"/> PASA/RSSA (HB 12) <input type="checkbox"/> AID Grant (HB 13) <input type="checkbox"/> Other	11b. Contract/Grant/PASA/RSSA Reference Number (if this is an Amendment)
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12. Estimated Financing (A detailed budget in support of column (2) is attached as attachment no. _____)					
Maximum AID Financing	A. Dollars	(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
	B. U.S.-Owned Local Currency		\$922,000		\$922,000
			LE 112,000		LE 112,000

13. Mission References CAIRO 15671	14a. Instructions to Authorized Agent SER/CM/SOD is requested to negotiate a single PASA with NSF to perform the scope of work described in this and PIO/T No. 263-0016-2-80048.
	14b. Address of Voucher Paying Office USAID/Cairo:Attention Comptroller

15. Clearances—Include typed name, office symbol, telephone number and date for all clearances.

A. The project officer certifies that the specifications in the statement of work are technically adequate NE/TECH, Thelma Patterson <i>T</i>	Phone No. 632-9721	B. The statement of work lies within the purview of the initiating and approved agency programs NE/EI:C.Buck (draft)	Date 7/3/78
C. NE/TECH/HRST, E.N. Pike <i>EP</i>	Date 7/13/78	D. Funds for the services requested are available	
E. NE/TECH/HRST, James Smith (draft)	Date 7/3/78		

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to	17. For the Agency for International Development
Signature _____ Date _____	Signature <i>William J. ...</i> Date 7/13/78
Title _____	Title Director, NE/TECH

Worksheet

AID 1350 (1-78)	1. Cooperating Country Egypt	2. P/O/T No. 263-0016-2-80047	Page 2 of 6, Pages
P/O/T	4. Project/Activity No. and Title 263-0016 Applied Science and Technology Research		

SCOPE OF WORK

18. THE SCOPE OF TECHNICAL SERVICES REQUIRED FOR THIS PROJECT ARE DESCRIBED IN ATTACHMENT NUMBER _____ HERETO ENTITLED "STATEMENT OF WORK".

19. SPECIAL PROVISIONS

- A. LANGUAGE REQUIREMENTS (SPECIFY) None
(IF MARKED, TESTING MUST BE ACCOMPLISHED BY AID TO ASSURE DESIRED LEVEL OF PROFICIENCY)
- B. ACCESS TO CLASSIFIED INFORMATION WILL WILL NOT BE REQUIRED BY TECHNICIAN(S).
- C. DUTY POST(S) AND DURATION OF TECHNICIANS' SERVICES AT POST(S) (MONTHS) Egypt 0.5 - 1.5 months
- D. DEPENDENTS WILL WILL NOT BE PERMITTED TO ACCOMPANY TECHNICIAN.
- E. WAIVER(S) HAVE BEEN APPROVED TO ALLOW THE PURCHASE OF THE FOLLOWING ITEM(S) (COPY OF APPROVED WAIVER IS ATTACHED)
- F. COOPERATING COUNTRY ACCEPTANCE OF THIS PROJECT (APPLICABLE TO AID/W PROJECTS ONLY)
 HAS BEEN OBTAINED HAS NOT BEEN OBTAINED
 IS NOT APPLICABLE TO SERVICES REQUIRED BY P/O/T
- G. OTHER (SPECIFY)

20. BACKGROUND INFORMATION (ADDITIONAL INFORMATION USEFUL TO AUTHORIZED AGENT)

21. SUMMARY OF ATTACHMENTS ACCOMPANY THE P/O/T (INDICATE ATTACHMENT NUMBER IN BLANK)

- 1 DETAILED BUDGET IN SUPPORT OF INCREASED FUNDING (BLOCK 12)
- _____ EVALUATION CRITERIA FOR COMPETITIVE PROCUREMENT (BLOCK 14)
- _____ JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT (BLOCK 14)
- 2 STATEMENT OF WORK (BLOCK 18)
- _____ WAIVER(S) (BLOCK 19) (SPECIFY NUMBER)

Worksheet

AID 1350-1-X (1-78)	1. Cooperating Country Egypt	2. PIO/T No. 263-0016-2-80047	Page 3 of 6 Pages
PIO/T	4. Project/Activity No. and Title 263-0016 - Applied Science and Technology Research		

22. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities

B. Cooperating Country Liaison Official

C. AID Liaison Officials

LOGISTIC SUPPORT

23. Provisions for Logistic Support

A. Specific Items <i>(Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")</i>	IN KIND SUPPLIED BY		FROM LOCAL CURRENCY SUPPLIED BY		TO BE PROVIDED OR ARRANGED BY SUPPLIER
	AID	COOPERATING COUNTRY	AID	COOPERATING COUNTRY	
(1) Office Space					
(2) Office Equipment					
(3) Housing and Utilities					
(4) Furniture					
(5) Household Equipment <i>(Stoves, Refrig., etc.)</i>					
(6) Transportation in Cooperating Country					
(7) Transportation To and From Country					
(8) Interpreter Services/Secretarial					
(9) Medical Facilities					
(10) Vehicles (official)					
(11) Travel Arrangements/Tickets					
(OTHER SPECIFY) (12)					
(13)					
(14)					
(15)					

B. Additional Facilities Available From Other Sources

APO/FPO

PX

COMMISSARY

OTHER (Specify, e.g., duty free entry, tax exemption)

BUDGET PLAN SUMMARY

	US DOLLARS	EGYPTIAN POUNDS
I. PROJECT CONTRACTS		
- A. DESIGN STUDY	181,000	12,000
- B. COMPUTER-ACCESSED INFO	123,000	7,000
- C. CURRENT INFO RESOURCES		
- PHASE I-PLANNING STUDY	60,400	5,000
- PHASE II-ACQ & DLVRY	275,000	18,000
- D. TRAINING PROGRAM	215,000	15,000
II. AD HOC TRAINING OPPORTUNITIES	15,600	10,500
III. PROJECT MGMT & EVALUATION		6,000
- A. PROPOSAL EVALUATION PANEL	6,600	6,600
- B. TECHNICAL ADVISORY GROUP	5,000	13,280
- C. PROJECT REVIEW PANEL	12,480	7,080
- D. NSF MANAGEMENT SERVICES	27,920	18,140
- TOTAL	922,000 922,000	112,000

AID-1300-1X (7-69) CONTINUATION SHEET FORM SYMBOL	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	<input checked="" type="checkbox"/> Worksheet <input type="checkbox"/> Issuance	PAGE ___ OF <u>5</u> PAGES
		1. Cooperating Country Egypt	2.a. Code No.
		2.b. Effective Date	2.c. <input type="checkbox"/> Original OR <input type="checkbox"/> Amendment No: _____
		3. Project Activity No. and Title 263-0016 Applied Science and Technology Research	

Use this form to complete the information required in any block of a PIO or PA, PR form.

Indicate block numbers.

No. 18

(Continued)

Statement of Work:

A. Objective: Improvement of scientific and technical services to meet the information needs of the Egyptian scientific and technical community.

B. Scope of Work: The National Science Foundation's Division of International Programs shall provide overall management and technical services to implement a two-year, Phase I scientific and technical information sub-project as outlined in the "Project Grant Agreement between the Arab Republic of Egypt and U.S.A. for Applied Science and Technology Research," A.I.D. Project Number 263-0016, the two-year Phase I effort shall consist of the following elements and sub-elements:

Sub-elements: (a) Design study for a nationwide network of S&T information services. The objective is to provide policy, methodological and technical guidance and assistance to designated Egyptian groups in design, planning and implementation of a nationwide STI network in Egypt. Results from the design study are expected to include: (1) a draft statement of a national S&T information policy; (2) a survey assessment of information needs and information resources available in Egypt; (3) a draft plan or blueprint for a nationwide system of S&T information services, based on an assessment of needs and existing resources, and including a proposed schedule for implementation; (4) specification of the appropriate technology to be introduced in various stages of network evolution; (5) guidelines and a short- and long-term plan for an education and training program to supply personnel required to implement and operate the national information network; (6) a plan for developing and operating a continuing inventory or registry of ongoing research projects initially for the Academy of Scientific Research and Technology and later for the entire country; and (7) a survey of technical assistance programs and projects in the information field in Egypt currently supported or planned by international organizations (such as UNESCO), regional organizations (such as the Arab League Educational, Cultural and Scientific Organization--ALESCO) and foundations and development assistance organizations of other countries (such as Germany, France, Saudi Arabia).

(b) Computer-accessed information reference services. The purpose of this project is to test at least one way of providing Egyptian researchers with current information re. relevant to their research interests, namely selective dissemination of information. This will involve: (i) identification of priority topics and researchers; (ii) construction of USER interest profiles; (iii) appropriate in-country training program; (iv) acquisition of information from U.S. data bases.

(c) Planning study on supplying current S&T literature. Two stages in this effort to supply current materials are projected: (i) identification of need, determination of availability and cost, and recommendation for implementation of a program to supply S&T information material to Egyptian scientists;

CONTINUATION SHEET

FORM SYMBOL

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

263-0015

Worksheet Issuance

PAGE 6 OF 6 PAGES

1. Cooperating Country
Egypt

2.a. Code No.

2.b. Effective Date

2.c. Original OR Amendment No. _____

3. Project Activity No. and Title
263-0015 Applied Science and Technology Research

Indicate block numbers.

Use this form to complete the information required in any block of a PIO or PA, PR form.

(ii) acquisition and delivery of S&T information material and development of training programs for use and maintenance of accessory equipment.

(d) Short-term training program for information specialists. The purpose of this project is to initiate a short-term (6-9 months) non-degree training program in the U.S. for 10-12 information specialists to provide for immediate development of special competencies, initially for NIDOC and the Cairo University Department of Archives and Librarianship. Needs of their institutions shall be determined and eventually included in the project.

AD HOC Training Opportunities: In addition to the short-term training program for information specialists, which limits training opportunities to persons annually in a special program conducted in the U.S. only, provision shall be made to take advantage of other training opportunities of a special nature that may present themselves from time to time both in the U.S. and Egypt. Opportunity for such training, identified by NSF and NIDOC, shall be provided for three or more Egyptian Specialists to be selected by NIDOC. To reach a wider Egyptian group of information specialists and USERS, special workshops shall be arranged to be held in Egypt from time to time.

Further detail on the scope of this effort is contained in Annex, "Project Management Plan for Development of Egyptian S&T Information Services."

Worksheet

2630016 (9)

AID 1350-1X (1-78)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country Egypt	Page 1 of 5 Pages
PIO/T	PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	2. PIO/T No. 263-0016-2-80048	3. <input checked="" type="checkbox"/> Original or Amendment No. _____
		4. Project/Activity No. and Title 263-0016 Applied Science and Technology PD - AAC - 250	
DISTRIBUTION	5. Appropriation Symbol 72-1181006/ 72-FT-745		6. Allotment Symbol and Charge 856-50-263-00-69-81/ B42-10-099-00-87-00
	7. Obligation Status <input type="checkbox"/> Administrative Reservation <input type="checkbox"/> Implementing Document		8. Project Assistance Completion Date (Mo., Day, Yr.) 10/01/80
	9. Authorized Agent ATD/W	10. This PIO/T is in full conformance with PRO/AG Date _____	
	11a. Type of Action and Governing AID Handbook <input type="checkbox"/> AID Contract (HB 14) <input checked="" type="checkbox"/> PASA/RSSA (HB 12) <input type="checkbox"/> AID Grant (HB 13) <input type="checkbox"/> Other		11b. Contract/Grant/PASA/RSSA Reference Number (if this is an Amendment)
	12. Estimated Financing (A detailed budget in support of column (2) is attached as attachment no. _____)		
		(1) Previous Total	(2) Increase
	A. Dollars	\$591,000	\$510,700
	B. U.S.-Owned Local Currency	LE 49,200	LE 120,400
	Maximum AID Financing		\$1,101,700
			LE 169,600
13. Mission References	14a. Instructions to Authorized Agent SER/CM/NE is requested to amend PIO/T 70012 to revise scope and budget as described herein, to add funds to meet full objectives of project and to negotiate a single PASA with NSF to perform the scope of work described in this and in PIO/T No. 80047. All other terms and conditions remain the same.		
	14b. Address of Voucher Paying Office USAID/Cairo, Office of the Controller		

15. Clearances—Include typed name, office symbol, telephone number and date for all clearances.

A. The project officer certifies that the specifications in the statement of work are technically adequate E. N. Pike, NE/TECH/HRST	Phone No. 29734	B. The statement of work lies within the purview of the initiating and approved agency programs NE/EI:C.Buck
	Date 6/27/78	Date July 3 1978
C. James F. Smith, NE/TECH/HRST	Date 7/3/78	D. Funds for the services requested are available
E. NE/TECH, Thelma Patterson	Date 6/30/78	

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature _____ Date _____

17. For the Agency for International Development

Signature **William F. Gelabert** Date **7/5/78**

Title **Director, NE/TECH**

CAIRO 15671

5P

Worksheet

AID 1350-1X
(1-78)1. Cooperating Country
Egypt2. PIO/T No.
263-0016-2-80048

Page 2 of 5 Pages

PIO/T

4. Project/Activity No. and Title
263-0016 Applied Science and Technology Research

SCOPE OF WORK

18. THE SCOPE OF TECHNICAL SERVICES REQUIRED FOR THIS PROJECT ARE DESCRIBED IN ATTACHMENT NUMBER _____
HERETO ENTITLED "STATEMENT OF WORK".

19. SPECIAL PROVISIONS

- A. LANGUAGE REQUIREMENTS (SPECIFY) _____
(IF MARKED, TESTING MUST BE ACCOMPLISHED BY AID TO ASSURE DESIRED LEVEL OF PROFICIENCY)
- B. ACCESS TO CLASSIFIED INFORMATION WILL WILL NOT BE REQUIRED BY TECHNICIAN(S).
- C. DUTY POST(S) AND DURATION OF TECHNICIANS' SERVICES AT POST(S) (MONTHS)
Egypt, 0.5 - 12 months
- D. DEPENDENTS WILL WILL NOT BE PERMITTED TO ACCOMPANY TECHNICIAN.
- E. WAIVER(S) HAVE BEEN APPROVED TO ALLOW THE PURCHASE OF THE FOLLOWING ITEM(S) (COPY OF APPROVED
WAIVER IS ATTACHED)
- F. COOPERATING COUNTRY ACCEPTANCE OF THIS PROJECT (APPLICABLE TO AID/W PROJECTS ONLY)
 HAS BEEN OBTAINED HAS NOT BEEN OBTAINED
 IS NOT APPLICABLE TO SERVICES REQUIRED BY PIO/T
- G. OTHER (SPECIFY)

20. BACKGROUND INFORMATION (ADDITIONAL INFORMATION USEFUL TO AUTHORIZED AGENT)

21. SUMMARY OF ATTACHMENTS ACCOMPANY THE PIO/T (INDICATE ATTACHMENT NUMBER IN BLANK)

- 1 DETAILED BUDGET IN SUPPORT OF INCREASED FUNDING (BLOCK 12)
- _____ EVALUATION CRITERIA FOR COMPETITIVE PROCUREMENT (BLOCK 14)
- _____ JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT (BLOCK 14)
- 2 STATEMENT OF WORK (BLOCK 18)
- _____ WAIVER(S) (BLOCK 19) (SPECIFY NUMBER)

AID-1300-1X (7-69) CONTINUATION SHEET FORM SYMBOL	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT TITLE OF FORM	<input checked="" type="checkbox"/> Worksheet <input type="checkbox"/> Issuance	PAGE <u>4</u> OF <u>5</u> PAGES
		1. Cooperating County Egypt	2.a. Code No.
		2.b. Effective Date	2.c. <input type="checkbox"/> Original OR Amendment No: _____
		3. Project/Activity No. and Title 263-0016 Applied Science and Technology	

Indicate block numbers. Use this form to complete the information required in any block of a PIO or PA/PR form.

12

BUDGET PLAN SUMMARY

	<u>U.S. DOLLARS</u>	<u>EGYPTIAN POUNDS</u>
I. U.S. CONTRACTOR		
- A. U.S. PERSONNEL BASED IN		
- 1. U.S.	134,000	24,000
- 2. EGYPT	147,000	34,000
- B. EGYPTIAN TRAINEES	500,000	50,000
II. NIH/BEIB		
- A. EXPENSES	100,000	40,000
- B. TRAINING AIDS	180,000	
III. NSF	40,700	21,600
- TOTAL	1,101,700	169,600

AIR-1300-1X (7-69)

CONTINUATION SHEET

FORM SYMBOL

TITLE OF FORM

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT Worksheet Issuance

PAGE 5 OF 5 PAGES

1. Cooperating Country
Egypt

2.a. Code No.

2.b. Effective Date

2.c. Original OR Amendment
No: _____

3. Project/Activity No. and Title 263-0016

Applied Science and Technology

Indicate block numbers.

Use this form to complete the information required in any block of a PIO or PA/PR form.

18

Statement of Work

OBJECTIVE The primary objective of this effort is to improve scientific instrumentation maintenance and repair (M&R) capability at six Egyptian institutions: The National Research Centre, The Scientific Instruments Centre, Cairo University, Tanta University, and Assiut and El-Minia Universities. The secondary objective is to assist the scientists of The Egyptian Academy of Scientific Research and Technology (ASRT) in the purchase of Scientific Research Instrumentation.

SCOPE OF WORK The scope of the two-year Phase I effort consists of the following elements and sub-elements:

1. Development and Assistance in Improvement in M&R Capabilities of the six Egyptian Institutions,
 - A. Recommendations for modification of existing facilities and administrative procedures;
 - B. Provision of training for selected personnel in the U.S. in Scientific Instrumentation M&R;
2. Development and Assistance in Implementation of Training Capability in Basic Electronics for staff of the six Institutions,
 - A. Advice in selection of course material;
 - B. Guidance in material presentation;
3. Provision of Professional Guidance to ASRT and USAID in Procurement of equipment, related supplies, and spare parts,
 - A. In-Country evaluation of adequacy of existing instrumentation;
 - B. Recommendation of appropriate level of research instrumentation;
 - C. Identify prospective manufacturers and/or suppliers;
 - D. In-Country assistance in transportation of instrumentation to ASRT laboratories;
 - E. Supervision of initial check-out and calibration of instrumentation.

(Further detail on the scope of work of this effort is contained in annex "Project Management Plan for Development of Egyptian S&T Instrumentation Technology.")

PD - AAC-250

BEST AVAILABLE DOCUMENT

4p.

NEAR EAST ADVISORY COMMITTEE MEETING

DATE : August 1, 1980

TIME : See Agenda

PLACE : 6439 NS

SUBJECT: Issues Paper AID Project Number 263-0016; Applied
Science and Technology Research

The Near East Advisory Committee will meet as scheduled above to
discuss the subject proposals and the attached Issues Paper.

Please refer all questions to the Chairperson.

Attachments:
Issues Paper

DISTRIBUTION:

A-AA/NE, Mr. A. White, 6724, NS
AA/NE, Mr. E. Vinson, 6732, NS
NE/DP, Mr. B. Langmaid, 6723, NS (4)
NE/PD, Mr. S. Taubenblatt, 4720, NS
NE/PD, Mr. R. Bell, 4720, NS
NE/TECH, Ms. K. MacManus, 4443, NS
NE/TECH, Dr. P. Benedict, 6664, NS
NE/PD, Mr. L. Rosenberg, 4712, NS
NE/PD, Mr. S. Lintner, 4709, NS
NE/PD, Mr. M. Kingery, 4712, NS
PPC/PDPR, Mr. B. Sidman, 3938, NS

PPC/PB, Mr. J. Segal, 3731, NS
PPC/WID, Ms. A. Fraser, 3245, NS
GC/NE, Mr. J. Mullen, 2638, NS
DS/ST, Mr. F. Maiolo, 203B, SA-18
CM/ROD/NE, Mr. Moulton, 729, SA-14
SER/COM/NE, Mr. Looper, 811D SA-18
DS/DIU/DI, Ms. Falbo, 505 SA-14 (4)
NE/PD, Ms. G. Shivers, 4709A NS (2)
NE/EI, Mr. G. Kamens, 5318, NS
NE/EI/E, Mr. G. Gower, 5318, NS

UNITED STATES GOVERNMENT

Memorandum

TO : Near East Advisory Committee
THRU : NE/TECH, Lewis P. Reade *l. Reade*
FROM : NE/TECH/HRST, Edwin Tolle *E. Tolle*

DATE: July 29, 1980

SUBJECT: Egypt: AID Project No. 263-0016; Applied Science and Technology Research

Background: The (draft) Project Paper Amendment was received for AID/W action on July 21, 1980. The committee was assembled July 28 (in Room 4717 NS) to discuss outstanding issues concerning/raised in the paper.

The Amendment proposes authorization of \$16.3 million for the continuation of a TA grant that began in 1977 with an initial funding of \$8.1 million. USAID/Cairo recommends that the entire \$16.3 million be obligated in its entirety in FY 1980.

The purpose of the project is to continue, by means of amending the existing grant, financing of ongoing research activities and adding a small number of new studies suggested by the May 6, 1980, Evaluation Report. Specifically, the project will provide for:

1. Strengthening/upgrading GOE S&T management and control capabilities;
2. Presenting practical demonstrations of updated practices in food, nutrition and technology in rural villages;
3. Improvement of the ability/willingness of industrial organizations to utilize modern S&T information;
4. Development of a nationwide S&T information system in such areas as support services, equipment maintenance and standardization of measurement.

Technical Consideration: The paper is developed in a manner that clearly indicates it is an amendment to an ongoing project. The relationships between Phase I and Phase II are clearly delineated, as are the necessary steps to insure an appropriate USAID withdrawal and GOE assumption of the undertaking.



5010-108

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

ISSUES

1. Level of Funding and Duration of Project

The Project Review Committee feels that the suggested budget and project activity, ongoing and upcoming, are sufficiently well detailed/planned to expect that \$16.3 million can be well used over the three remaining years of the project. In reference to the activity goals listed, the PACD, 1983, seems appropriate and reasonable.

Recommendation: The Project Review Committee recommends approval of a \$16.3 million grant extension with a PACD of September 30, 1983.

2. Coordination/Focusing of Subproject Activities

During Phase I of the project, and in keeping with its overall objective of promoting practical use of modern S&T by various Egyptian governmental and non-governmental entities, a wide range of research projects was undertaken during Phase I, i.e., Cotton Seed Oil, Red Sea Fisheries, Biogas Technology, Food Production in Arid Lands. These were chosen because of a combination of factors -- to include their importance to Egyptian development, their relevance to project objectives, and the availability of qualified personnel (both Egyptian and U.S.) to participate in them. Committee discussion evolved into a sharp divergence of opinion as to the need for maintaining relationships with ongoing sub-projects by those chosen during Phase II. One opinion held that a continued divergence of research topics would best enhance project objectives (preceding page) while the other held that there was a need to have future projects closely related to those already underway.

Recommendation: As there was no agreement during committee deliberations, NEAC is requested to consider this topic and propose guidance for the Mission.

3. Request for Waivers

The Mission requested both a Section 612 (b) waiver, to permit local currency financing in an excess currency country, and a blanket source/origin/nationality waiver (commodities and services) to Code 899. The committee feels that the first is not needed as the NE Bureau previously issued a 612 (b) waiver for this project. With regard to the second, it is not possible (at this time) to grant a blanket waiver because, (1) the precise commodities/services have not been identified in such a fashion as to permit a judgement to be made that the commodities/services are available only outside the U.S., (2) until such delineation is made it must be judged possible that they can be obtained in the U.S.

In additon, the Committee points out that exsisting delegation in the Mission of up to \$250,000 for source/origin of commodities (except motor vehicles) and services can be exercised on an ad hoc basis and may be sufficient. In any event, the reasons given by the Mission do not support a source waiver at this time.

Recommendation: The Project Committee recommends the waiver not be granted at this time.

Project Review Committee

NE/TECH/HRST:ETolle, Chairperson
NE/EI/E:BPorter
NE/DP/PR:Schernenkoff
NE/PD/E:DReese
GC/NE:TCarter
NE/TECG/SPRD:WSommers