

PD-ANN-830

ISN: 33337

UNCLASSIFIED

INTERNATIONAL DEVELOPMENT COOPERATION AGENCY

AGENCY FOR INTERNATIONAL DEVELOPMENT

WASHINGTON, D.C. 20523

TUNISIA: PROJECT 664-0315

TECHNOLOGY TRANSFER

AMENDMENT ONE

GRANT

1983

UNCLASSIFIED

2. COUNTRY/ENTITY TUNISIA

3. PROJECT NUMBER
664-0315

4. BUREAU/OFFICE
NE 03

5. PROJECT TITLE (maximum 40 characters)
Technology Transfer

6. PROJECT ASSISTANCE COMPLETION DATE (PACD)
 MM DD YY
06 30 85

7. ESTIMATED DATE OF OBLIGATION
 (Under 'B' below, enter 1, 2, 3, or 4)
 A. Initial FY 81 B. Quarter 4 C. Final FY 83

8. COSTS (\$000 OR EQUIVALENT \$1 =)

A. FUNDING SOURCE	FIRST FY <u>81</u>			LIFE OF PROJECT		
	B. FX	C. L/C	D. Total	E. FX	F. L/C	G. Total
AID Appropriated Total	1,450	0	1,450	3,450	0	3,450
(Grant)	(1,450)	(0)	(1,450)	(3,450)	(0)	(3,450)
(Loan)	(0)	(0)	(0)	(0)	(0)	(0)
Other U.S.						
1.						
2.						
Host Country <u>REGALCULATE</u>	59,076	0	59,076	35,190	0	35,190
Other Dollar(s)						
TOTALS	60,526	0	60,526	38,640	0	38,640

9. SCHEDULE OF AID FUNDING (\$000)

A. APPRO. PRIORITON	B. PRIMARY PURPOSE CODE	C. PRIMARY TECH. CODE		D. OBLIGATIONS TO DATE		E. AMOUNT APPROVED THIS ACTION		F. LIFE OF PROJECT	
		1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan
(1) ST	750	870		1,450		2,000		3,450	0
(2)									
(3)									
(4)									
TOTALS				1,450		2,000		3,450	

10. SECONDARY TECHNICAL CODES (maximum 6 codes of 3 positions each)
871 872 873 874 660

11. SECONDARY PURPOSE CODE
680

12. SPECIAL CONCERNS CODES (maximum 7 codes of 4 positions each)

A. Code	DEL	TECH				
E. Amount						

13. PROJECT PURPOSE (maximum 480 characters)

To enhance Tunisia's capability to acquire and incorporate appropriate technology into its development process.

14. SCHEDULED EVALUATIONS

Interim	MM	YY	MM	YY	Final	MM	YY
	03	84				05	85

15. SOURCE/ORIGIN OF GOODS AND SERVICES

000 941 Local Other (Specify)

16. AMENDMENTS/NATURE OF CHANGE PROPOSED (This is page 1 of a page PP Amendment.)

This Amendment adds funds to include AID support for training of Tunisian student at U.S. graduate schools and modifies the project purpose to more accurately reflect project objectives.

17. APPROVED BY
 Signature James R. Phippard
 Title Director USAID/Tunis
 Date Signed MM DD YY 08 29 83

18. DATE DOCUMENT RECEIVED IN AID/W, OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION
 MM DD YY 09 19 83

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- A. Logical Framework**
- B. GOT Letter of Request**
- C. State 164188 (AID/W Delegation of Authority for PP Amendment)**
- D. Project Agreement Amendment Number One**
- E. State 170264 (Programming of FY 1983 ESF)**
- F. State 229423 (CN and Activity Data Sheet)**
- G. Project Implementation Letter No. 5**

PROJECT COMMITTEE

1. Mr. Richard S. Stevenson, S&T Officer
2. Mr. Barry Heyman, Human Resources Development Officer-AID/W
3. Mr. Frank J. Kerber, Program Officer
4. Ms. Anne Williams, Regional Legal Advisor
5. Mr. Ernest S. Hardy, Controller

USAID/Tunisia Project Approval Officer

James R. Phippard - Director

AGENCY FOR INTERNATIONAL DEVELOPMENT
UNITED STATES A. I. D. MISSION TO TUNISIA

AMERICAN EMBASSY
TUNIS TUNISIA

PROJECT AUTHORIZATION

Name of Country: Republic of Tunisia Name of Project: Technology Transfer
Number of Project: 664-0315

1. Pursuant to Section 106 of the Foreign Assistance Act of 1961, as amended, the Technology Transfer Project for Tunisia ("Cooperating Country") was authorized on August 31, 1981. That authorization is hereby amended as follows:

a. To paragraph 1 the following is added:

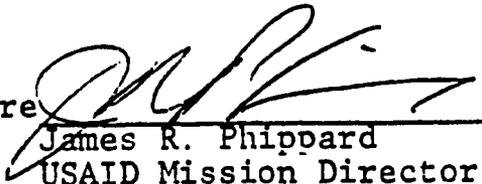
"Pursuant to Section 531 of the Foreign Assistant Act of 1961, as amended, I hereby further authorize additional funding for the Technology Transfer Project involving planned obligations of not to exceed two million dollars (\$2,000,000) in grant funds over a one year period from the date of the authorization amendment, subject to the availability of funds in accordance with the AID OYB/allotment process, to help in financing foreign exchange costs for the Project."

b. To paragraph 2 the following is added:

"In addition AID's contribution will partially fund the training of graduate students in the United States, beginning with academic year 1982/83."

2. The authorization cited above remains in force except as hereby amended.

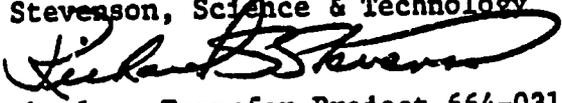
Signature


James R. Phippard
USAID Mission Director

Date 8-29-83

ACTION MEMORANDUM

TO: Mr. James R. Phippard, USAID/Director

FROM: Richard S. Stevenson, Science & Technology
Officer 

SUBJECT: Tunisia, Technology Transfer Project 664-0315

Date: 8/29/83

PROBLEM: Your signature of the attached Project Authorization, Amendment and Project Paper supplement is required to obligate \$2.0 million in FY 83 Economic Support Grant Funds for the subject project.

DISCUSSION: This project was approved and obligated in FY 81. Since the date of the Agreement, August 31, 1981, a host-country contract with the Academy for Educational Development was signed on August 18, 1982. This technical assistance contract constituted nearly all of AID's contribution to the project. The GOT's contribution was primarily the costs associated with the Tunisian Government's Scholarship Program in the U.S. for approximately 500 undergraduate and graduate students in a variety of development related fields. While there were some delays in signing the host-country contract, the project appears to be making adequate progress in meeting its overall objectives.

The GOT has requested that \$2.0 million of FY 83 ESF funds be added to the project and that these funds be used by A.I.D. to directly support training costs associated with Tunisian students studying in the U.S. A Project Paper supplement has been prepared which provides the necessary justification and documentation. The project remains essentially unchanged; the \$2.0 million of additional AID funds will provide for an input which heretofore had been supplied exclusively by the GOT. The GOT has experienced some foreign exchange problems which have made it somewhat difficult to continue expanding the scholarship program at the expected pace, and has requested that AID directly contribute to the costs associated with training.

The Project Paper supplement updates the project implementation plan and the logical framework. AID resources will be used to fund approximately 164 person-years of graduate training in the U.S. for approximately 90 Tunisian graduate students in priority development fields, such as management, computer sciences, engineering, physics, architecture and food processing.

AID funds for this training will be directly provided to the GOT in support of its scholarship program. Because of our providing support to a GOT managed scholarship program, this training activity represents a departure from traditional AID participant training policy and procedures in several ways. These include:

(A) Full Funding - Because of the Tunisian urgency of obtaining rapid disbursement of funds, AID will not necessarily fully fund any student's program to completion. A Project Implementation Letter, to be signed and countersigned simultaneous with the Project Agreement Amendment, stipulates that the original Agreement is understood to say that the Government of Tunisia will take all steps necessary so that students studying in the United States under this Project can complete their degree programs.

(B) Retroactivity - In order to respond to the Tunisian desire for rapid disbursement, AID has agreed to fund retroactively the GOT sponsored graduate students who studied in the U.S. in the 1982-83 academic year. This will permit almost immediate disbursement of approximately \$645,000. AID/W proposed this in STATE 199910.

(C) Participant Allowances - The allowances provided to students in the GOT scholarship program are generally less generous than those provided by AID. Since AID funds are being provided to support a GOT program, it was judged inappropriate to require the GOT to use two sets of rates within the same program. We have included in the PIL, which spells out the procedures for disbursing these funds, a provision which indicates that AID will reimburse only in AID allowable categories and at a level which does not exceed AID allowances.

In addition to these departures from AID participant training policy and procedures, it is also anticipated that advances of funds to the GOT for students in the 1983-84 academic year and subsequent academic years will be made on a semester basis. These advances are justified on the basis of (1) the high level of GOT interest in obtaining funds as rapidly as possible, (2) the reduced USAID and GOT workload resulting from coordinating disbursements with the schedule of project activities (i.e. the semester cycle), and (3) the nature of the semester cycle being only slightly longer than the normal maximum 90 days and the fact that the great majority of expenses will, in fact, occur in the first 90 days. There are no outstanding issues. STATE 170264 provided authority for you to sign the Project Authorization. STATE 229423 indicated the expiration of the CN and gave approval to sign the grant agreement amendment.

NOTIFICATION TO CONGRESS: Congressional notification of our intent to obligate \$2.0 million in FY 1983 ESF funds for the Technology Transfer Project 664-0315 was made on July 22, 1983 (STATE 210023) and the fifteen day waiting period expired on August 6, 1983. The CN indicated that the \$2.0 million of ESF funds was being added to a previously DA funded project.

RECOMMENDATION: That you sign the attached Project Paper supplement face sheet and the Project Authorization Amendment adding \$2.0 million to the Technology Transfer Project.

- Attachments: A. Project Authorization
- B. Project Paper Supplement
- C. STATE 170264

Approved: 

Disapproved: _____

Date: 8.29.83

Clearances:
PROG:FJKerber (Draft)
D/DIR:GRWein (Draft)
CONT:ESHardy (Draft)

S&T:BHeyman:jp
8/2/83

1

I. Summary

This Project Paper supplement describes an amendment to the Technology Transfer Project (664-0315) initially authorized on August 31, 1981. The action described will increase AID Grant funding for the project from \$1.45 million to \$3.45 million. The project purpose has been modified slightly to more accurately reflect project objectives. The logical framework has also been changed to include outputs which had heretofore been the sole responsibility of the Government of Tunisia.

All project elements remain unchanged. The funds provided through this amendment will be used for AID financing of approximately 164 person years of training for approximately 90 Tunisians studying at the graduate level in the United States in such fields as management, computer sciences, physics, engineering, architecture and food processing. Previously it was anticipated that the GOT would finance all direct training costs associated with the approximately 500 Tunisian undergraduate and graduate students scheduled to study in the U.S. during the life of the project. AID funding of graduate student costs will not require additional staff beyond the original level planned. An extension of the PACD to June 30, 1985 is required to accommodate the new AID financial inputs.

II. Project Progress to Date

A. Overall Progress - General implementation progress in the project has been positive though a bit slow. The project was somewhat delayed initially by a protracted contract bid and negotiation process which resulted in signing of a host-country contract with the Academy for Educational Development (AED) on August 18, 1982 and the arrival in Tunisia of the resident advisor in October, six months later than forecast in the Project Paper Implementation Schedule. The late arrival of the resident advisor, the unclear Ministry management structure in which he was required to function, and his period of adjustment and lack of dynamism all contributed to limited project implementation during the first academic year of the project, September 1982 through May 1983. However, constructive steps have been taken and intensified activity for the remainder of the contract performance period is programmed to accomplish all project objectives.

In April of 1983 the GOT requested that AED recruit a new resident advisor while reaffirming its desire to implement all aspects of the project, particularly including the faculty and curriculum development and manpower planning aspects of the project. The contract of the current resident advisor was terminated at the convenience of the GOT as of 1 June, 1983 and AED is actively recruiting a new advisor at this time.

B. Specific Components - Progress within individual project components is as follows:

1. Manpower Planning - A committee for manpower planning has been established as specified in the conditions precedent, composed of the several key MHERS officials, representatives of the higher academic institutions

involved and representatives of the ministries of National Economy and of Plan and Finance. Several planning meetings have been held and a researcher has been employed by the MHESR to clarify and elaborate on previous manpower planning research efforts. The agreed next step in this project element is the contribution of a U.S. manpower planning specialist to lay out a detailed program for the GOT. A qualified expert has been located by AED and his visit is planned for September, 1983.

2. Student Placement - AED has supplied a full time student placement specialist to work as a member of the staff of the Scientific Mission of Tunisia in Washington, D.C. The project has also provided the same office a minicomputer and software for the complex data management tasks associated with student placement and tracking. The combination of the Tunis MHESR office which selects the students and prepares their dossiers and the Washington office which places and manages them now appears self-sufficient and has carried out a large number of placements with no apparent requirement for external assistance. However, the resident staff member in Washington will continue for the completion of the programmed 30 months (through June 1985) to assist in carrying the expanding load, and a small amount of consultation to the Tunis placement office is still planned.

3. Institutional Strengthening - The deans of the four engineering schools to be assisted have each made a two to three week visit to several U.S. engineering schools to discuss curricula and teaching methods and approach. From these visits, in which they were accompanied either by the resident advisor or by the AED project manager, the deans gained valuable knowledge of the nature of engineering training in the U.S. and the types of faculty and curriculum assistance which could be requested under the project. Each dean has now given specifications for visiting professors for the next academic year, and AED is currently recruiting.

It had been programmed that the actual flow of visiting professors would start during the spring semester just completed. This was not achieved, and an accelerated schedule of faculty visits for the coming academic year is planned to use effectively project resources and accomplish project objectives before the PACD.

C. Ongoing Validity of Key Project Assumptions - Since the Project Agreement was signed, nearly all of the key project assumptions have proven to be valid: GOT legislation was amended to allow payment of application fees; Tunisian students are being accepted into appropriate U.S. academic institution and are being sent according to schedule and in excess of the original expectations; and English language training programs are adequately preparing students for U.S. study according to schedule.

The only major assumption which has become somewhat tenuous is the GOT's ability to meet its foreign exchange commitments for the project. While no plans have been made to reduce the number of students to be trained, it is clear that the recent deterioration of Tunisia's foreign exchange situation, (see TUNIS 5197) and the stringent budget limitations which have been placed on GOT Ministries have raised some questions about the long-term ability of the GOT to meet fully its commitments to the program. It is largely as a result of this situation that AED has agreed to provide funding for direct costs of some of the Tunisian students.

III. Purpose of Amendment and Detailed Description

A. Rationale for Proposed Change - When this project was originally being developed, there was a strong request from the GOT for AID direct support of students in the U.S. Because of the limited AID funds available, it was concluded that our assistance could best be directed at improving the in-country capacity of several higher education institutions and providing limited assistance to the GOT in building an effective placement and management system for the scholarship program. While the GOT welcomed this support, it continued to be interested in direct U.S. support for student costs.

The GOT has exceeded expected levels of students in the U.S., and because of the increase in U.S. higher education costs and the deterioration of Tunisia's foreign exchange position, the GOT has again requested support for the scholarships. The very high level of Tunisian political commitment to this program has led to many discussions between senior GOT and U.S. officials, both in Tunisia and in the U.S. It is clear that it is important for the Tunisians that the U.S. be directly associated with the Tunisian scholarship program in the U.S.

B. AID Inputs - The project remains essentially unchanged and the \$2.0 million of AID funds being added by this amendment will provide for an input which had heretofore been supplied exclusively by the GOT. AID resources will be used to fund approximately 164 person years of graduate training in the United States for approximately 90 Tunisian graduate students in priority development fields, such as management, computer sciences, engineering, physics, architecture and food processing. The GOT will continue to be responsible for all transportation and English language training costs for the AID supported students.

C. Consistency with AID Policy - AID funds for this training will be directly provided to the GOT in support of its scholarship program. Because it provides support to a GOT managed scholarship program, this training activity represents a departure from traditional AID participant training policy and procedures in several ways. These include:

(1) Full Funding - Because of the Tunisian urgency of obtaining rapid disbursement of funds, AID will not necessarily fully fund any student's program to completion. A covenant has been added to the proposed Project Agreement Amendment which stipulates that the GOT will obtain funds to permit AID supported students to complete their degrees should AID funds not do so.

(2) Retroactivity - In order to respond to the Tunisian desire for rapid disbursement, AID has agreed to fund retroactively the GOT sponsored graduate students who were in the U.S. in the 1982-83 academic year. This will permit almost immediate disbursement of approximately \$645,000.

(3) Participant Allowances - The allowances provided to students in the GOT scholarship program are generally less than those provided by AID. Since AID funds are being provided to support a GOT program, it was judged

inappropriate to require the GOT to provide two different rates within the one program. The PIL which spells out the procedures for disbursing these funds will include a provision which indicates that AID will reimburse only in AID allowable categories and at a level which does not exceed AID allowances.

In addition to these departures from AID participant training policy and procedures, it is also anticipated that advances of funds to the GOT for students in the 1983-84 academic year and subsequent academic years will be made on a semester basis. These advances are justified on the basis of (1) the high level of GOT interest in obtaining funds as rapidly as possible, (2) the reduced mission and GOT workload resulting from coordinating disbursements with the schedule of project activities (i.e. the semester cycle), and (3) the nature of the semester cycle being only slightly longer than the normal maximum 90 day advances and the fact that the great majority of expenses will, in fact, occur in the first 90 days. The estimated disbursement schedule is contained in Section V, Financial Plan.

D. GOT Scholarship Program

1. Program Recruitment - In the spring of each year the Ministry of Higher Education and Scientific Research announces the availability of scholarships for study in the United States. The announcements are widely distributed throughout Tunisia, largely through secondary schools and universities. Graduate program opportunities are made known in public sector agencies which have an interest in upgrading the skills of their employees. Application forms are readily available to all those who seek them. The fields of study and the number of scholarships to be granted in each field are determined largely on the basis of manpower planning estimates given in the Development Plan and refined periodically.

2. Selection Procedures Criteria - Secondary schools are responsible for preparing applications for undergraduate students and those seeking graduate scholarships prepare their own applications, usually with their university deans. The MHESR compiles dossiers on all students and rank orders students based on their academic performance. There are many times the number of students applying than are ultimately selected. All candidates who are selected are required to demonstrate adequate proficiency in English before departing from Tunisia and most top-off their skills in a short-term English language program in the U.S.

The MHESR's Washington office receives and reviews student dossiers prior to arranging placement and the office contacts admission offices at appropriate U.S. universities and makes the placements. Many of the graduate students indicate specific universities they prefer to attend. The placement process is becoming more systematized and efficient as the functioning of the Washington office improves.

3. Student Monitoring - Students' grades are sent to the Washington Office on a regular basis. A management information system is being installed which permits tracking of student performance, specifically focussing on adequacy of credit loads, grades and progress toward degree objectives. Personnel from the Washington office also consult regularly by phone with students, professors and student advisors, and a toll-free number is available for all students to reach the Washington Office. Personnel from that office also attempt to visit all students at their universities at least once a year.

4. Program Quality - The Tunisian Scholarship program is a very high quality program. Only the best students are chosen and the universities where students have been placed thus far demonstrates the first rate academic caliber of the Tunisian students. Several deans where Tunisian students are located have commented on the high caliber of Tunisian students. This has been corroborated by the fact that approximately 25% of the Tunisian students are on the Dean's list. There have also been very few students who have had to drop out of the program.

IV. Implementation

A. Disbursement Procedures and Documentation Requirements - Disbursement of AID funds is estimated as follows:

1. Approximately \$645,000 for the 57 Tunisian graduate students who studied in the United States during the 1982-83 academic year. As soon as appropriate documentation justifying these expenses is submitted by the MHESR and reviewed and approved by AID, disbursement of the \$645,000 can be made.

2. Approximately \$560,000 for the first semester costs for 90 graduate students in the 1983/84 academic year. These funds can be disbursed once precise estimates are known and are submitted to AID for approval, along with evidence that the 90 students have been accepted for admission in accredited graduate degree programs in U.S. universities.

3. Approximately \$560,000 for the second semester costs for the graduate students in the 1983/84 academic year. These funds can be disbursed one month prior to the start of the second semester and when the MHESR confirms in writing that these students are accepted to start or continue their studies in the second semester, as in 2 above.

4. The final balance of approximately \$235,000 for graduate students for the first semester of the 1984/85 academic year. These funds can be disbursed when costs are known and are submitted to AID along with evidence that the students have been accepted as in 2 above.

5. Should any remaining funds be available they will be disbursed in a similar way in subsequent semesters.

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The documentation to be submitted to AID by the GOT will include the following information for each student: name, sex, university, location, degree sought, credit load, grades, and expenditures (by AID specific categories). This documentation will be prepared by the MHESR's Washington Office which already has such information on file. In reviewing and approving this documentation, AID will regularly check that fields of study are development related.

B. Implementation Plan - A combination of some delay in contracting and in initial project implementation and the addition of funding of scholarships which could carry on through May 1985 require a general revision of the project implementation plan as follows:

August, 1981	Project Agreement signed
August, 1982	Contract signed with Academy for Educational Development
October, 1982	Resident Advisor arrives in Tunis
February, 1983	Advisor starts work with MHESR Washington Office
February, 1983	Committee for Manpower Planning established
May, 1983	Visits of deans of engineering schools to U.S. starts
June, 1983	Resident Advisor departs Tunis. AED starts recruitment of new resident advisor and visiting faculty for fall 1983.
August, 1983	AED submits life of project plan to GOT and AID, AED and GOT enter into contracts with U.S. faculty members for 1983/84 academic year.
September, 1983	Approximately 110 new Tunisian student (80 undergraduate and 30 graduate) start technical studies in the U.S. First visiting U.S. professors arrive in Tunisia and first Tunisian faculty for study tours arrive in U.S. for academic year 1983/84.
October, 1983	Manpower planning expert prepares action plan for life of project.
March, 1984	Mid-project evaluation carried out jointly by AED, AID and GOT
June, 1984	Resident Advisor departs
September, 1984	Approximately 90 or more new Tunisian students start technical studies in the U.S. First visiting U.S. professors arrive in Tunisia and first Tunisian faculty for study tours arrive in U.S. for academic year 1984/85.
May, 1985	Final project evaluation carried out jointly by AED, AID and GOT
June, 1985	Project activity complete.

C. Evaluation Plan

1. New Schedule - Due to the delays in the early stages of project implementation, it is necessary that adjustments be made in the project evaluation schedule. The first evaluation of the project is now scheduled for March 1984. The final evaluation has been changed to May 1985 since the extension of the PACD by six months was necessary to accommodate the delivery of the new AID inputs.

2. Items for New Inputs - Since AID had not been directly involved in the funding of the GOT training program in the past, it was concluded in the original Project Paper that it would be difficult to evaluate the success of training because it was managed entirely by the GOT and most students would finish their degrees after the original PACD. With AID now financing part of the costs of training for approximately 90 students, it will now be necessary for the AID evaluation to examine this additional element. As many of the AID financed students will not finish their degrees during the life of the project, it will be necessary to examine not only what happens to those who complete their degrees but to also evaluate student progress for those who do not. This information should be readily available from the MHESR Washington office. Funds for project evaluation are available through the host-country contract with the Academy for Educational Development. It is estimated that a total of two person months will be necessary for the two scheduled project evaluations.

V. Financial Plan

1. U.S. Contribution

It is anticipated that the \$2.0 million being added in FY 83 through this amendment will be expended by January 1985.

Expenditures are estimated as follows:

FY 83	=	\$ 645,000
FY 84	=	1,120,000
FY 85	=	<u>235,000</u>
		\$ 2,000,000

GOT Contribution

The GOT's contribution to the Project has increased from that presented in the original Project Paper (\$24,718,000) to \$35,190,000. The current figure represents an updating of the GOT contribution to the project.

The GOT budget is as follows:

2. Government of Tunisia Contribution

The total Grantee contribution is estimated to be TD 23,460,000, to be allocated as follows:

Academic Training

(Tuition, room, board, expenses, travel at TD 6000/student/year)

Enter fall 81	-	210 students
fall 82	-	90 students
fall 83	-	110 students
fall 84	-	90 students
Total Entry	-	500 students

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(Tunisian Dinars)

Average 5 academic years per student x 500 students =
2500 student years at TD 8333/yr (less \$2,000,000
US contribution) 19,500,000

Academic Affairs Office in Washington, D.C. (January
1982 - December 1984)

Salaries	200,000	
Office & Overhead	150,000	
Travel & Communi- cation	<u>50,000</u>	400,000

Salaries

Management, 36 mos.	28,800	
Chief, Student Placement Service 36 mo.	18,000	
Staff, Student Placement Service 36 mo.	14,000	
Secretary, Student Place- ment Service 36 mo.	10,800	
Institutional Counterpart to U.S. Technicians, 23 mo.	11,500	
Statistical and Planning Unit Chief, 36 mo.	18,000	
Staff, 36 mo.	14,400	
Secretary, 36 mo.	<u>10,800</u>	126,700

Logistical Support

Communications	1,300	
Reproduction	2,000	
Translation	5,000	
Local Transportation and Per Diem	5,000	
Int'l Transportation and Per Diem	15,000	
Conference Facilities	<u>20,000</u>	48,300

English Language Training

Salaries of Teachers	24,000	
Scholarships	29,000	
Housing and Food	45,000	
Management Salaries	10,000	
Materials and Equipment	100,000	
Contingencies	<u>42,000</u>	250,000

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(Tunisian Dinars)

U.S. Professors in Tunisia

Local transportation, logistical support,
base salaries, and/or per diem (as
appropriate) for 54 person-months of
visiting US professors

..... 75,000

Subtotal

20,400,000

Inflation and Contingency at 15%

3,060,000

Total

23,460,000

at TD 1.00 = US \$1.50, the GOT contribution

US \$ 35,190,000

TECHNOLOGY TRANSFER PROJECTLOGICAL FRAMEWORKNarrative Summary

Goal: Long-term Technology Transfer to Tunisia

Indicators

1. Graduates of project-sponsored training in U.S. serving on S&T faculties in Tunisia
2. Technology manpower needs being met in Tunisia
3. Regular flow of published cooperative research between the U.S. and Tunisia
4. Graduate research being conducted on Tunisian topics in U.S. and elsewhere abroad.

Purpose to Goal Assumptions

1. U.S. technology is relevant and adaptable to Tunisia. GOT continues to recognize benefits of U.S. technologies.
2. Tunisian researchers will be motivated (by peer recognition) to produce publishable research.
3. Subjects relevant to Tunisia and Tunisian researchers will be stimulating to U.S. researchers.
4. Tunisian graduates will be motivated to join Tunisian faculties.

Purpose: Institutionalization of GOT capability to effectively and economically acquire and manage technology

PACD: June 30, 1985.

1. 500 Tunisian students successfully pursuing academic degrees in engineering in U.S. institutions.
2. Course offerings in Tunisian technical institutions increased in quantity, quality and relevance.

Output to Purpose Assumptions

1. GOT English training is sufficient for Tunisian students to function in the U.S.
2. GOT continues commitment to technical transfer objectives.
3. Faculties of Tunisian technical institutions receptive to U.S. curriculum and pedagogical innovations.

Purpose Level:

Indicators, continued

3. MHESR and MP has capability to accurately forecast labor needs in S&T sector.
4. Student placement services to MHESR in Tunis and Washington have capacity to screen, place and support students in U.S.
5. Institutional links developed between faculties of Tunisian technical institutions and U.S. contractors institutions.

Outputs:

Indicators

Input to Output Assumptions

- | | | |
|---|--|--|
| <ol style="list-style-type: none">1. Management planning task force established and functioning2. Tunisian institutions of higher technological studies are strengthened.3. Student placement office of MHESR in Tunis and Washington, D.C. are fully functional. | <ol style="list-style-type: none">1. Task force established within the Ministry of Higher Education composed of representatives from GOT ministries and Tunisian academic institutions by fall, 1982.2. 54 person months of U.S. faculty recruited and placed in Tunisian technical institutions.
-Faculty seminars conducted
-Curriculum offerings examined at four engineering schools.3. 500 graduate and undergraduate Tunisian students recruited and placed in U.S. universities during life of project according to schedule. | <ol style="list-style-type: none">1. GOT can meet foreign exchange commitments through PACD.2. GOT and AID funded salaries for U.S. professors resident in Tunisia are attractive to U.S. professors.3. GOT can identify and prepare students for U.S. university studies according to project implementation schedule.4. U.S. universities and consortia respond to RFTP5. Tunisian students accepted into appropriate U.S. academic programs on schedule6. GOT legislation amended to include application fees. |
|---|--|--|

18

Inputs:

Total project cost:

Million

Total U.S. contribution:

U.S. \$3.45 million: 33 person months of consultative services; recruitment and salary support for 54 person months of U.S. faculty; student placement advisor in Washington; up to 22 study tours of Tunisian faculty and administrators to U.S.; resident advisor in MHESR; tuition, room, board and other AID allowable expenses for approximately 164 person years of graduate study in the U.S.

Total GOT contribution:

U.S. Million: All travel for students; tuition, room and board expenses for these Tunisian student costs not funded by AID; travel and salaries for 6 resident professors; administrative support in Tunis and Washington, D. C.

-12-

b1

MINISTERE
DES AFFAIRES ETRANGERES

ANNEX B

N° (A.E.)
NH/AM/81/3

501618

Monsieur le Directeur de la Mission Spéciale
Américaine de C_oopération Economique et
Technique en Tunisie.

149, Avenue de la Liberté

- T U N I S -

C B J E T : Coopération Tuniso-Américaine
Programmation du Fonds de Soutien Economique
E.S.F. pour l'année 1982/1983.

Monsieur le Directeur,

J'ai l'honneur de porter à votre connaissance qu'à la suite de l'octroi, à la Tunisie, d'une subvention de cinq millions de \$ US, pour l'année 1982-1983, dans le cadre du Fonds de Soutien Economique "E.S.F.", le Gouvernement tunisien propose l'affectation des fonds "E.S.F." comme suit :

- Financement partiel des bourses de nos étudiants poursuivant leurs études aux Etats-Unis d'Amérique, dans le cadre du programme national de transfert de technologie arrêté par les Autorités tunisiennes. La dotation à prélever sur les fonds E.S.F. serait de 2 millions de \$ US.

- Contribution, à concurrence de 1,750 million de \$ US, au projet d'aide à la reconstruction des logements touchés par les dernières inondations.

- Financement, pour 1,250 million de \$ US, des opérations promotionnelles des petites et moyennes entreprises en Tunisie, en association avec le secteur privé américain, ainsi que tout projet de transfert de technologie identifié en cours d'année. N

323

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1-102

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Cette programmation des fonds "E.S.F." répond aux exigences prioritaires établies par le Gouvernement tunisien dans le cadre du VI Plan de Développement Economique et Social 1982-1983

Aussi vous saurais je gré de bien vouloir informer, de ce qui précède, les Autorités américaines compétentes et des démarches que vous voudriez bien entreprendre auprès de l'Administration américaine en vue d'approuver la programmation proposée des cinq millions de \$ US, et la signature dans les meilleurs délais possibles de l'accord de don "E.S.F."

Je vous prie d'agréer, Monsieur le Directeur
l'expression de ma considération distinguée.



SECRETAIRE D'ETAT AUPRES DU MINISTRE
DES AFFAIRES ETRANGERES CHARGE DE LA
COOPERATION INTERNATIONALE

x 664-308
 x 664-0300.6 FIS 2-2
 AID *PRM
 AMB/DCM
 ECON
 CHRON

NNNNVV ES9055BRA915
 PP RUOKKR
 DE RUEHC #0264 1690632
 ZNR UUUUU ZZH
 P 180411Z JUN 93
 FM SECSTATE WASHDC
 TO AMEMBASSY TUNIS PRIORITY 5404
 BT
 UNCLAS STATE 170264

AIDAC

E.O. 12356: N/A

TAGS:

SUBJECT: PROGRAMMING OF FY 1983 ESF MONIES FOR TUNISIA

REF: (A) TUNIS 4120
 (B) TUNIS 3884
 (C) STATE 164188

1. WE APOLOGIZE FOR DELAY IN RESPONDING TO REFTEL. REFTEL NOT RECEIVED UNTIL JUNE 7 DUE TO MALFUNCTION IN AID/W CABLE DISTRIBUTION PROCESS.

2. RE PARAS 4 AND 11-A PRIVATE SECTOR TECH TRANSFER (0328), AA/NE IS HEREBY DELEGATING TO MISSION AD HOC AUTHORIZATION TO APPROVE PP REVISION AND AUTHORIZATION AMENDMENT INCREASING PROJECT 0328 LOP BY UP TO 1.5 MILLION DOLS. BUREAU DOES NOT CONCUR REVISION OF PP UPWARD BEYOND THE 1.5 MILLION AT THIS TIME. CHANGE OF PROGRAM ADVICE REQUIRED TO CONGRESS. REQUEST PRIORITY CABLE WITH PROGRAMMING DETAILS SO THAT AID/W CAN PREPARE ADVICE BEFORE 15 JULY.

3. RE PARAS 7 AND 8 REFTEL A, WE CONCUR WITH MISSION VIEW THAT PROJECT 0315 IS APPROPRIATE VEHICLE FOR RESPONDING TO GOT REQUEST FOR 2 MILLION DOLS ASSISTANCE FOR SCHOLARSHIPS. WE ALSO CONCUR THAT REF 3 WILL SUFFICE FOR

MISSION TO PROCEED WITH PP AMENDMENT. AA/NE HEREBY DELEGATES TO USAID AD HOC AUTHORITY TO APPROVE PP REVISION AND AUTHORIZATION AMENDMENT INCREASING PROJECT 0315 LOP BY UP TO 2 MILLION DOLS. SUBJECT TO SATISFACTORY COMPLETION OF CONGRESSIONAL NOTIFICATION. WE WOULD, HOWEVER, APPRECIATE BRIEF CABLE OUTLINING MAJOR DETAILS OF PP AMENDMENT WHEN KNOWN. SUGGEST THAT TO THE MAXIMUM EXTENT POSSIBLE, SELECTION, PLACEMENT AND MANAGEMENT OF TRAINING BE UNDER THE DIRECTION OF THE TUNISIANS. COPY OF DRAFT AGENCY POLICY DETERMINATION ON PARTICIPANT TRAINING WILL BE POUCHED TO MISSION ON JUNE 14, 1983. FINALLY, DRAFT CN WILL ALSO BE REQUIRED FOR 0315 AND SHOULD BE SUBMITTED NOW.

5. RE PARA 9 REFTEL (0300.6), BUREAU DOES NOT CONCUR IN EXTENSION. AA/NE HAS DECIDED THAT PACD SHOULD REMAIN

x RIA
 x RCO

ACTION	INFO
DIR ✓	
D/DIR ✓	
PER ✓	
PROG ✓	
TRG	
CONT ✓	
HPN	
S & T ✓	
F & A	
RD	
RHUDO	
P. C.	
EMB/ADMIN	
EMB/GSO	
PCL	
ECON	
C&R/USAID	
CHRON	
RF	

(2)

22

x 664-0300.6 FIS 2-2
x PRM

9/30/83. AGREE WITH MISSION ALTERNATIVE TO DRAW UPON
PRIVATE SECTOR TECH TRANSFER PROJECT, (0328). SHULTZ
BT
#0264

x RLA
x RCO

✓
✓
✓
✓
✓



(R)

A.I.D. Project No. 664-0315
Amendment No. 1
Date: August 30, 1983

AMENDMENT NO. 1
TO
PROJECT GRANT AGREEMENT
BETWEEN
THE REPUBLIC OF TUNISIA
AND
THE UNITED STATES OF AMERICA
FOR
TECHNOLOGY TRANSFER

AMENDMENT No. 1, dated August 30, 1983, to the Project Grant Agreement, dated August 31, 1981 (the "Agreement") between the REPUBLIC OF TUNISIA ("Grantee") and the UNITED STATES OF AMERICA, acting through the Agency for International Development ("A.I.D.").

WHEREAS A.I.D. has agreed to provide an additional contribution of \$2,000,000 for the Project which the Parties have mutually agreed shall be used to support the Grantee's program of training students in the U.S.; and

WHEREAS the Grantee is meeting its commitments to the Project; and

WHEREAS the Parties confirm their mutual responsibilities under the Project;

NOW THEREFORE the Parties agree as follows:

1. Section 2.1. of the agreement is amended by deleting the following sentence "The Project, which is further described in Annex 1, will consist of assistance with the placement of Tunisian students in United States institutions of higher education, assistance with the development of both Tunisian manpower planning for technically trained persons and Tunisian curricula for the training of university students in engineering and related technical disciplines". And substituting in lieu thereof, "The Project, which is further described in Annex 1, will consist of assistance with the placement of Tunisian students in United States institutions of higher education, assistance with the development of both Tunisian manpower planning for technically trained persons and Tunisian curricula for the training of university students in engineering and related technical disciplines and assistance with the training

25

of Tunisian students pursuing advanced degrees in U.S. universities in development related fields."

2. Section 3.1. of the Agreement is amended by deleting the words "not to exceed One Million Four Hundred Fifty Thousand (\$1,450,000) United States (US) Dollars (the Grant)" and substituting in lieu there of "not to exceed Three Million Four Hundred Fifty Thousand (\$3,450,000) United States (U.S.) dollars (the Grant) ",

3. Section 3.2(b) is amended by deleting "Twenty-three Million Two Hundred and Sixty-eight Thousand (\$23,268,000) U.S. Dollars" and substituting in lieu thereof "Thirty-five Million, One Hundred and Ninety Thousand (\$35,190,000) U.S. Dollars. ",

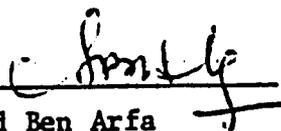
4. Section 3.3.(a) is amended by changing the PACD to June 30, 1985.

5. Annex 1 of the Agreement is hereby deleted in its entirety and the Annex 1 attached hereto as Attachment 1 is substituted in lieu thereof.

6. Except as amended hereby, the Agreement remains unchanged and shall continue in full force and effect.

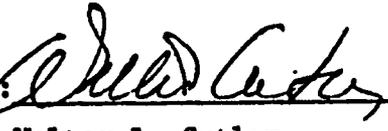
IN WITNESS WHEREOF, the REPUBLIC OF TUNISIA and the UNITED STATES OF AMERICA, each acting through its duly authorized representative, have caused this amendment No. 1 to be signed in their names and delivered as of the day and year first above written.

REPUBLIC OF TUNISIA

By: 
Mr. Ahmed Ben Arfa
Secretary of State to the
Minister of Foreign Affairs
in Charge of International
Cooperation

Date: AUG 30 1983

UNITED STATES OF AMERICA

By: 
Walter L. Cutler
Ambassador of the United States
of America

Date: AUG 30 1983

By: 
James R. Phippard
Director
USAID/Tunisia

Date: AUG 30 1983

ANNEX 1

A. THE PROBLEM

Among the matters receiving priority attention by the Grantee in the implementation of its Sixth Development Plan (1982-1986) are education and employment. Education is seen as the vital link to modernization. The Grantee annually allocates one-third of its national budget to education, making Tunisia's percent of budget invested in education and training one of the highest in the world. The Grantee is making considerable effort to relate the products of the educational system to the needs of the general economy.

As the Grantee initiates implementation of the Sixth Development Plan it is seeking new ways to address education and employment for high school and college graduates alike. At the college level, the Grantee recognizes the need to produce significantly more engineers and related technicians in the next five years. It further recognizes that its access to U.S. scientific and technological expertise through its higher education and research communities is limited. The problem for the Grantee is how best to absorb and adapt U.S. technology to meet its own educational and employment needs.

B. THE PROJECT

The Grantee has approached the U.S. Government for assistance in solving its short-term need to train more technical students overseas and its long-term requirement to strengthen its technical training capability and to develop ties between the U.S. technological community and Tunisian higher education institutions.

The Grantee has requested assistance from A.I.D. in (1) enhancement of curricula at both graduate and undergraduate levels at selected Tunisian technical institutions; (2) support of the placement process of the Grantee program for sending a large number of Tunisian students to U.S. technical schools; (3) efforts to develop and maintain institutional links between U.S. and Tunisian research communities; (4) development of institutional capacity in planning the supply of technical manpower to meet national priority needs and (5) direct A.I.D. support for training for advanced degrees in U.S. universities in priority development fields, such as management, computer sciences, engineering, physics, architecture and food processing.

A.I.D. has intensified efforts to support projects which are likely to produce lasting impact on Tunisian Development. To this end, A.I.D. and the Grantee have agreed on this project to institutionalize technology transfer in engineering and related fields. During the life of the project approximately 500 Tunisian students will be placed in U.S. universities at both the graduate and undergraduate levels, a manpower planning system in the fields of science and technology appropriate to Tunisia's needs will be developed and put into operation, procedures for

expeditious preparation of student academic dossiers for placement in the United States will be developed and staff will be trained in placement procedures, and selected Tunisian higher institutions of technical training (as mutually agreed by the Grantee and A.I.D.) will be assisted in enhancing their curriculum and teaching methodologies through short-term consultants and through the presence of visiting U.S. professors.

The project will be implemented through the Office of Cooperation (DC.) of the Ministry of Higher Education and Scientific Research (MHESR). This office will cooperate closely with the Directorate of Higher Education and the Directorate of Scientific and Technical Research (both of MHESR), the University and Scientific Mission of Tunisia in Washington, D.C., the Manpower Planning Office of the Ministry of Plan and appropriate offices within the Ministry of National Economy and other Ministries as required. The role of these ministries will focus primarily on inputs to manpower planning in technology fields and on some placement of students.

Technical assistance will be provided to the Grantee through a host-country contract with a qualified U.S. university, firm, organization or consortium of such organizations and one additional host-country contract. The former will provide both long-term and short-term assistance in Tunisia and in the United States, while the latter will assist the Tunisian Student Placement Service in Tunis with the processing of student dossiers for placement in the United States.

C. Project Components

The project will provide technical, material and financial support to Tunisia's Ministry of Higher Education and Scientific Research (1) to develop a manpower planning capability to estimate and plan for the future human resource needs of Tunisia, expanding Tunisian scientific and technical institutions in a pattern consistent with Tunisian development priorities; (2) to direct selected Tunisian students in scientific and technical fields to appropriate institutions and fields in the U.S.; (3) to provide U.S. professors who will assist Tunisian educational institutions, upgrade curricula and pedagogic methods, organize research and teach selected courses; and (4) to support the training of selected Tunisian students in the U.S. in fields of high development priority. In carrying out these activities emphasis will be placed on appropriate applied technology, and on the establishment of lasting professional linkages between Tunisian and U.S. institutions.

The project will consist of the following components:

1. Manpower Planning

Currently Grantee manpower planning is carried out on a macro scale by the Directorate of Manpower Planning of the Ministry of Plan. The sources of data for the work of the Directorate are the other line ministries, primarily through their statistical and planning units. For the Ministry of Higher Education and Scientific Research (MHESR) the institutional link with the Ministry of Plan is the Office of Planning, Statistics and Data Processing. A major responsibility of this office is to determine demand by academic field for higher education. The determinations are based on manpower requests from each ministry and also serve as the starting point for planning for faculty and facilities required to meet the demand for training.

This component of the project will assist the MHESR and MP to develop and put into operation a manpower planning system that is commensurate with the Grantee's needs in the fields of science and technology. Early in project implementation a manpower planning task force made up of representatives from the MHESR, the MP, the Ministry of National Economy and ad hoc members from other relevant ministries, and the long-term advisor(s) will be created and will direct technical manpower planning in higher education for the MHESR. Its initial task will be to identify short-term technical assistance needs to strengthen the MHESR manpower planning capacity in science and technology and to examine the feasibility of adapting the MP manpower planning model to the forecasting requirements of the MHESR, thereby establishing a planning system capable of working with supply and demand projections in all technical fields.

The scheduling and monitoring of the short-term consultants in manpower planning will be the responsibility of the long-term advisor(s) and the principal counterpart, the Director of International Cooperation (DCI) of the MHESR. However, the task force will be the principal beneficiary of the short-term manpower planning assistance provided by this project and will be the channel through which the consultants will provide assistance to obtain data from other ministries involved with technical manpower, as either suppliers or end-users.

2. Student Placement

At the request of the Government of Tunisia, the MHESR has embarked on a program to send a large number of Tunisian undergraduate and graduate students to the United States for academic training in technical fields. Approximately 215 students were placed in the United States for academic year 1981-82, before A.I.D. assistance began and 85 were placed in 1982-83. The Grantee proposes to then place an average of 100 students per year during each of the three years of the project. Prior to departure they will receive English language training at the English Language Center recently established by MEHSR or through secondary school curriculum modification which the Grantee may arrange in the future.

A.I.D. financing of this component will include technical assistance to the Grantee in placement of students for academic degrees in engineering and associated fields. A short-term advisor in Tunis will work with and train the staff of the MHESR in the design of a system to place Tunisians in U.S. technical institutions and in the preparation of student academic dossiers necessary to make application to U.S. institutions.

His principal counterpart will be the Chief of the new Service for Student Placement in the United States, who will be responsible for the preparation of documentation for U.S. placement of Tunisian students. This service is being created separately from other services within the DCI which handle foreign placement of students because of the size of the new program substantially larger and much more complex than the previous experience of the DCI in student placement abroad. In addition, the MHESR has created The University and Scientific Mission of Tunisia in Washington, D.C. to service the participants of this project and to develop institutional contacts and exchanges. This office is staffed by a Tunisian director and a deputy director qualified in student placement, administration and counselling and familiar with Tunisian technical schools. A.I.D. financing will provide for a long-term consultant in Washington to assist this office to develop a comprehensive placement, counseling and student orientation program. This activity began in the spring of 1982 and is expected to continue at a minimum until December 1984.

3. Strengthening Tunisian Scientific and Technological Academic Institutions

The function of this component is to strengthen the institutional capacity of Tunisia's advanced technological training institutions through the integration of U.S. technical curricula and teaching methods in undergraduate and graduate programs of selected technical institutions. As mutually agreed by the Grantee and A.I.D. such development will take place at three different levels. First, it will assist at the national level through the provision of technical assistance to the Directorate of Higher Education of MHESR to address questions such as degree equivalency and institutional growth patterns.

Second at the institutional level, it will provide 54 person months of senior level visiting U.S. engineering professors. This will expose Tunisian faculty to U.S. curricula and pedagogical methods at several engineering schools and will foster long-term institutional and professional contacts.

Third, at the classroom level, it will provide in-service training of Tunisian counterparts on a one-to-one basis for the visiting professors. Each professor will be assigned one or more counterpart faculty members who will work with him/her during his stay and who will be expected to take over any courses and research programs established by him after his departure. This component will also introduce new course content, teaching strategies and teaching materials through inputs of short-term consultants.

A final feature of this component deals with the limited access of Tunisian officials in higher education to U.S. technology and the U.S. higher education system. A.I.D. will finance the cost of course materials and travel within the United States for up to 22 short-term study tours by Grantee administrators or senior professors associated with advanced training in engineering and related fields. These trips will enable the Tunisian scientific and technological leadership to develop an understanding of how best to transfer U.S. technology to their institutions and to initiate what is intended to be lasting personal and institutional relationships with U.S. professionals. The selection of participants will be determined by the Grantee's project manager in consultation with the long-term advisor(s).

4. Training Programs

This component will provide A.I.D. financing to the ongoing U.S. training program operated by the Tunisians. A.I.D. will finance approximately 164 person years of training for advanced degrees. Fields of study will include management, computer sciences, engineering, architecture, food processing, physics, and other fields as the parties may agree. The advanced degrees to be funded by A.I.D. are the Masters and Ph.D. A.I.D. will finance tuition, books, maintenance expenses, transportation within the U.S., health insurance, and other expenses normally paid for A.I.D. participants. The Grantee will be responsible for international transportation of the A.I.D. financed students, as well as all costs for the non-A.I.D. supported students.

D. PROJECT IMPLEMENTATION

1. Project Committee

Because the activities of this project involve more than one ministry, and in the case of MHER multiple offices within a single ministry, a committee will be established to guide the effort. The committee will be chaired by the Director of Technical Cooperation (DC) of MHER and will include the Director of Higher Education, the Director of Scientific and Technical Research, and the Chief of the Service for Student Placement in the United States (all of MHER), and representatives from the Ministries of Plan (MP) and National Economy. It will meet periodically and its particular role will be to provide overall policy guidance and to assure coordination among key project component such as the placement of U.S. faculty members, recruitment and predeparture preparation of participants, utilization of short-term technical assistance and the functioning of the manpower planning task force. The contractor's long-term advisor(s) will act as a technical advisor to the committee and will coordinate the technical assistance provided by this effort for the life of the project.

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2. Manpower Planning Task Force

A second body that will be established and which will have a role in the project will be the Manpower Planning Task Force. This task force will be the meeting ground for the producers and end-users of technically trained manpower. Among its members will be the A.I.D. funded contractor's long-term advisor(s), the Director of Higher Education of MHESR, the head of the statistical and planning unit of the same office, a member of the manpower planning unit within the MP, a representative of the Ministry of National Economy and ad hoc representatives of other ministries as required.

This task force will determine the appropriate mix of consultant expertise to be provided by the project to (a) develop the MHESR manpower planning capability in science and technology and (b) if found appropriate by the MHESR, adapt, select, or develop a manpower-planning model to be compatible with current MHESR procedures. In the long-term it is expected that this task force will become a permanent body gradually expanding its sphere of activity until it provides guidance on technical manpower planning for all sectors of the Tunisian economy.

3. Project Coordinator

The project will be administratively located in the MHESR. The Tunisian project coordinator will be the Director of DC of MHESR who within the organizational structure of the MHESR reports directly to the Minister. He will either manage the details of the project or delegate authority to manage such details, and he will chair the project committee, sign vouchers and resolve issues as they may arise among the heads of the technical offices involved with project implementation.

For discrete project activities the project coordinator will designate operational responsibility to the heads of various organizations within the MHESR. For example, the Directorate of Higher Education of MHESR will be the office involved with the placement of visiting professors in Tunisian technical institutions, the selection and assignment of short-term technical experts, and the handling of degree equivalency issues. The determination of the numbers of students who are to be sent for training in the United States, their fields of study and the process for selection of candidates for placement, and general curriculum development and planning for institutional growth is the responsibility of the Cabinet of the Minister of MHESR. Moreover, the project coordinator will be the principal representative of MHESR in dealing with the MP in manpower planning efforts.

4. Service for Student Placement in the United States

Preparation of academic dossiers for students prior to their departure will be the responsibility of the newly created Service for Student Placement in the United States. This service will be located in the DC. of MHESR. It will be staffed by a Chief of Service, a professional assistant with expertise in student dossier preparation and a secretary, and the service will report directly to the project coordinator, the Director of DCI of MHESR. This service will be parallel to but outside of other student placement units supervised by the Deputy Director of DCI which are also involved with the placement of students in universities overseas. The rationale for creating a separate service with a unique reporting arrangement is a result of the large volume of students that will be processed and the complex placement information required by U.S. universities. Moreover, it attests to the importance placed on this effort by the Grantee.

5. The University and Scientific Mission of Tunisia

The University and Scientific Mission of Tunisia has been established in Washington, D.C. and will work directly with the Student Placement Service in Tunis. It will be directly responsible for fostering long-term educational exchanges with U.S. universities and in that sense will have a much broader mandate than student placement. However, one of its major responsibilities will be to provide for the orientation and placement of approximately 500 students to be sent to the United States during the life of the project. It will be staffed by a Director and a Deputy Director who are both senior level professionals knowledgeable of the Tunisian technical higher education system. It is expected that the Director will concentrate on establishing long-term contacts with U.S. universities while the Deputy Director focuses on matters of student placement and orientation. This office is responsible to the Minister but on practical matters affecting student placement it will report directly to the project coordinator, the Director of DCI of MHESR. It will have its own operating budget, including funds for office space, a secretary, and operating expenses. U.S. financing will support the provision of a long-term (30 month) technician to assist this office to implement workable orientation and placement procedures, the organization and support of student orientation seminars, and the development of a computerized data base and data management capability for this office.

6. A.I.D. Training Costs

A.I.D. will finance approximately 164 person-years of training for approximately 90 Tunisian students pursuing advanced degrees. A.I.D. will provide \$2,000,000 for this purpose to the Grantee. The allocation of these funds will be as follows:

a. Approximately \$645,000 for the 57 Tunisian students who studied in the United States during the 1982-83 academic year.

b. The balance of funds will be disbursed for Tunisian students in the United States in the 1983-84 academic year, and if funds remain, in the 1984-85 academic year.

c. Disbursement procedures and documentation requirements will be detailed in a Project Implementation Letter.

E. PROJECT INPUTS

The total cost of this project is estimated at U.S. \$38,640,000. Of this total U.S. \$3,450,000 will be funded by A.I.D. with the balance (equivalent to U.S. \$35,190,000) contributed by the GOT. A.I.D. financed inputs include technical assistance and training. The Grantee will provide Tunisian staff and office space, both in Tunisia and in the U.S., facilities for in-country language training, international travel for Tunisian students, all tuition and maintenance fees for Tunisian students, international travel for 11 of the Tunisian administration and faculty members visiting the United States under study tours, and local transport and logistical support for visiting U.S. faculty members and technical specialists.

1. AID Inputs

a. Technical Assistance

A significant portion of the A.I.D. inputs to this project will be the financing of a host-country contract for technical assistance with a U.S. university, firm, organization or consortium of such organizations. This assistance will include a long-term advisor in Tunis, an intermittent visiting advisor or set of intermittent advisors, the exact mix to be agreed upon between the GOT and their contractor and concurred in by A.I.D. He/she will have as a counterpart the Tunisian project manager, the DC of MHESR, and will work closely also with the Director of Higher Education, MHESR. He will coordinate implementation of the key elements of the project, including refinement of manpower planning methodology, assessment of the needs of the technical and engineering faculty curricula, recruitment of U.S. visiting professors, and placement and supervision of project-financed short-term consultants. An advisor or advisors will be involved on a continuing basis through the life of the project and will have a background in engineering with relevant experience in teaching and university administration.

Another part of the host country contract will provide approximately 33 person-months of short-term technical assistance. These consultants, under the guidance of the contractor's advisor(s), will provide expertise on curriculum reform, teaching methodology, manpower planning, library development, and other technical and administrative matters as determined to be useful. Under a separate host-country contract A.I.D. will fund a short-term student placement specialist in Tunis. He/she will train the staff of DCI, MHESR in establishing a student academic dossier transfer system in cooperation with the University and Scientific Mission of Tunisia.

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Another part of the host country contract will provide approximately 54 person-months of short to medium term visiting professors. These professors, under the guidance of the contractor's advisor(s), will teach courses, conduct faculty and student seminars, organize and oversee student research and otherwise provide expertise in technical training and the transfer of American teaching and research methods by instruction and by example, as determined to be useful.

Also financed under the host-country contract will be the services of one foreign student specialist for 30 months who will be stationed in Washington, D.C. in the University and Scientific Mission of Tunisia. This specialist will provide assistance to the office in organizing and operating a large-scale placement and follow-up system in support of Tunisian students.

b. Training

The largest component of A.I.D. funding will be used for training and will total U.S. \$2,140,000. This component will consist of approximately 164 person years of training for an estimated 90 Tunisian students in the U.S. and of about twenty-two short-term study tours for Tunisian higher education administrators and academics. The purpose of the tours will be to provide key Tunisian officials with exposure to contemporary technology training methods in the U.S. and the opportunity to establish long-term personal and institutional ties with the U.S. technology and higher education communities.

2. Government of Tunisia Inputs

The Grantee will contribute approximately 91 percent of the total dollar value of this project. The Grantee will pay the recurring costs of the Student Placement Service within DC., MHESR, the start up and recurrent costs of English language training and the recurrent costs of the University and Scientific Mission of Tunisia in Washington, D.C. The English Language Training Program, the Service for Student Placement in the United States and (in terms of their major task) the MHESR Office in Washington have been created at the initiative of the Grantee specifically in order to support the larger program of an increased flow of Tunisian technical students to the United States.

The Grantee will provide total academic and personal financial support, including international travel, for Tunisian students sent to the U.S.. The Grantee will furnish complete administrative and logistical support for the long-term advisor(s) and for the short-term student placement consultant to the office of the DC, MHESR and will provide administrative support for the long-term advisor to the University and Scientific Mission. Finally, the Grantee will provide local transportation for 54 person-months of visiting U.S. professors and will provide administrative support at their host Tunisian technical institutions; and to the extent that budgetary resources are available the Grantee will pay locally based salary and/or per diem for professors visiting a semester or longer.

F. PROJECT BUDGET

1. AID Expenditures

The total A.I.D. contribution is U.S. \$3,450,000 estimated to be allocated as follows:

a. Long-term Advisor(s) 20 person-months of services:	\$ 173,000
b. Technical assistance to the GOT/MHESR Washington Office, 30 person months of resident advisor on student placement:	\$ 154,000
c. Technical assistance to the GOT in Tunis on student placement:	\$ 20,000
d. Short-term academic consultative services, 33 person-months, including project evaluation:	\$ 225,000
e. Visiting U.S. faculty, 54 person months:	\$ 340,000
f. Short and medium term tours in the U.S. for Tunisian faculty and administrative officials, 22 visits:	\$ 140,000
g. Equipment, mini-computer, vehicle, office equipment etc:	\$ 25,000
h. Orientation of Tunisian students in the U.S.:	\$ 72,000
i. Contractor home office technical support:	\$ 79,000
j. Contractor overhead and fee:	\$ 222,000
k. Scholarships for advanced degrees:	\$2,000,000

<u>TOTAL</u>	<u>\$3,450,000</u>

2. Government of Tunisia Expenditures

The total Grantee contribution is estimated to be TD 23,460,000 to be allocated as follows:

Academic Training

(Tuition, room, board, expenses, travel at TD 6000/student/year)

Enter fall 81 -	215 students
fall 82 -	85 students
fall 83 -	110 students (minimum)
fall 84 -	90 students (minimum)

Total Entry - 500 students (minimum) (Tunisian Dinars)

Average 5 academic years per student X 500 students =	
2500 student years at TD 833/yr (less \$2,000,000 US contribution)	19,500,000

University and Scientific Mission of Tunisia
(January 1982 - December 1984)

Salaries	200,000	
Office and Overhead	150,000	
Travel & Communication	50,000	400,000

Salaries

Management, 36 months	28,800	
Chief, Student Placement Service 36 months		
Staff, Student Placement Service 36 months	14,000	
Secretary, Student Placement Service 36 months	10,800	
Institutional Counterpart to U.S. Technicians, 23 mo.	11,500	
Statistical and Planning Unit Chief, 36 months	18,000	
Staff, 36 months	14,400	
Secretary, 36 months	10,800	126,700

Logistical Support

Communications	1,300	
Reproduction	2,000	
Translation Services	5,000	
Local Transportation and per diem	5,000	
International Transportation and per diem	15,000	
Conference Facilities	20,000	48,300

(Tunisian Dinars)

English Language Training

Salaries of Teachers	24,000	
Scholarships	29,000	
Housing and Food	45,000	
Management Salaries	10,000	
Materials and Equipment	100,000	
Contingencies	<u>42,000</u>	250,000

U.S. Professors in Tunisia

Local transportation, logistical support, base salaries, and/or per diem (as appropriate) for 54 person-months of visiting US professors 75,000

Subtotal 20,400,000

Inflation and Contingency at 15% 3,060,000

Total 23,460,000

At TD 1.00 = US \$1.50, the GOT contribution = US \$35,190,000

Project Total US \$38,640,000

G. PROJECT EVALUATION

Two evaluations are scheduled for the project, one in June 1984 near the mid-point of the project, and another at the end of the project in May 1985. Both evaluations will be undertaken collaboratively by representatives designated by the GOT and A.I.D. A.I.D. costs for project evaluations are funded within the project and the resulting host-country contract. The evaluation will take place concurrently with project implementation and there will be no delay or stop in on-going project activities.

1. Evaluation Timing

The first evaluation will take place in June 1984 at a time when the project will have been active through one complete academic year. This will allow the evaluators to assess the function and effectiveness of the student placement and orientation system and the visiting professor program. Interviews should be held with Tunisian students returned for the summer and with both U.S. and Tunisian faculty members who have been involved in the program.

The Manpower Planning Task Force will have been established for one year and short-term technical assistance to the task force will have been initiated six months before the evaluation. The role and capability of the task force should therefore be clear by the time of the evaluation.

Technical assistance in curriculum development for the technical institutions will have been in progress for over a year, and it should be possible to see some impact in the curricula proposed for the fall of 1984.

All policy issues within the project, such as the process for degree equivalency advance evaluation and the role of the Manpower Planning Task Force, should be clearly defined by the time of the mid-project evaluation. The evaluation should recommend any mid-project corrections to be implemented during the balance of the project.

The final project evaluation is scheduled for May 1985 and will focus on the effectiveness of methods and procedures used during the project to augment Tunisian technical training capacity and to improve manpower planning capability. It will make recommendations for future actions to be taken by the GOT. It will also examine the success of the training programs.

2. Evaluation Criteria

The success of the project will be judged along two major dimensions:

a. The efficiency of the project will be seen in whether or not contributions have been made on schedule, technicians have arrived when needed, prescribed roles have been carried out, administrative units, committees and task forces have been established and staffed, resources have been properly managed, U.S. professors have been placed, students have been enrolled and a number of other actions described by the project have been carried out as projected. The evaluation criterion to be applied here focuses on whether or not obligations have been met and prescribed actions have been carried out in a timely manner.

b. The effectiveness of the project is measured along a very different dimension. Here one must look at issues such as the degree to which U.S. faculty members have been integrated into Tunisian faculties and properly utilized, the effectiveness of the Manpower Planning Task Force and its acceptance by MHESR and other involved ministries, the impact of academic technical assistance on curricula and pedagogical methods, and the degree to which any such impacts appear to affect institutional operation and the quality of technical education. The criterion applied here is the impact of the various project elements and the apparent desirability of such impacts. The evaluation should not hesitate to recommend termination of an ineffectual project element, and should make constructive recommendations for new or altered actions, either for the remainder of this project or to be carried out in the future by the GOT.

ACTION: AID-A
 INFO: AMB DCI
 ECON CHRON/8

DEPARTMENT OF STATE

TELEGRAM

FIS 2-2

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PROG 6/16
FRK 6/15/83

ACTION	INFO
DIR ✓	
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E.O. 12356: N/A
 TAGS:

SUBJECT: PROGRAMMING OF FY'83 ESF FOR TUNISIA SCHOLARSHIPS

REFS: (A) TUNIS 3884; (B) TUNIS 4120

1. DURING AMBASSADOR CUTLER'S MEETING JUNE 10 WITH UNDER-SECRETARY EAGLEBURGER, TUNISIAN INTEREST IN USING A PORTION OF FY'83 ESF FOR SCHOLARSHIPS IN THE U.S. WAS DISCUSSED. AGREEMENT WAS REACHED ON FOLLOWING APPROACH, WHICH IS CONSISTANT WITH AMBASSADOR CUTLER'S EARLIER CONVERSATIONS WITH ADMINISTRATOR MCPHERSON AND AA/NE' FORD ON THIS SUBJECT.

2. A TOTAL OF DOLS 2 MILLION IN FY'83 ESF WILL BE MADE AVAILABLE TO THE GOT TO FULLY FUND SCHOLARSHIPS FOR TUNISIANS IN THE U.S. AT THE GRADUATE LEVEL. ESF MONIES WILL NOT BE USED FOR UNDERGRADUATE SCHOLARSHIPS.

3. THE GOT WILL HAVE FLEXIBILITY TO PROGRAM THE SCHOLARSHIPS IN FIELDS OF HIGH DEVELOPMENT IMPORTANCE.

4. IN INFORMING THE GOT OF OUR PREPAREDNESS TO FINANCE GRADUATE SCHOLARSHIPS, MISSION MAY CHOOSE TO URGE THAT

SOME PORTION OF THE DOLS 2 MILLION BE RESERVED FOR GRADUATE STUDY IN AGRICULTURAL FIELDS. WE WOULD EXPECT MINISTRY OF AGRICULTURE TO MAKE ITS OWN CASE WITH MINISTRY OF FINANCE FOR SHARE OF TRAINING POSITIONS.

5. SEPTTEL FOLLOWS ON DOCUMENTATION PROCEDURES IN RESPONSE TO REF B. SHULTZ

BT
 #4188

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E.O. 12356: N/A

TAGS:

SUBJEC : TECHNOLOGY TRANSFER PROJECT (664-0315): EXPIR-
 ATION OF CN

SUBJECT PROJECT CN EXPIRED AUGUST 6, 1983. MISSION MAY
 INCUR OBLIGATION OF FUNDS. SHULTZ

BT

#9423

REPORT	INFO
<i>✓</i>	<i>✓</i>
<i>✓</i>	<i>✓</i>
SMALL	
<i>✓ 345 ✓</i>	

AGENCY FOR INTERNATIONAL DEVELOPMENT
ADVICE OF PROGRAM CHANGE

Date: *July 22, 1983*

Country: Tunisia
Project Title: Technology Transfer
Project Number: 664-0315
FY1983 CP Reference: Near East Annex IV, P. 173
Appropriation Category: Economic Support Fund
Life-of-Project Funding: \$3.450 million (grant)
Intended FY 1983 Obligation: \$2 million (grant)

This is to advise that A.I.D. intends to obligate \$2,000,000 in FY 1983 ESF grant funds for the Tunisia Technology Transfer project to support the Government of Tunisia scholarship program in the U.S.

Students are at the graduate level and are studying management, computer sciences, physics, various engineering fields, architecture and food processing. Selection, placement and management of the scholarship program will be completely under the direction of the Tunisian government. This is an addition of ESF resources to a project originally funded with Development Assistance (DA) funding.

**AGENCY FOR INTERNATIONAL DEVELOPMENT
ACTIVITY DATA SHEET**

CP 81-06 (2 79)

PROGRAM: Tunisia

TITLE Technology Transfer		FUNDING SOURCE Economic Support Fund	PROPOSED OBLIGATION (In thousands of dollars) FY 83 2,000		LIFE OF PROJECT (AMN) 3,450
NUMBER 664-0315	NEW <input type="checkbox"/>	PRIOR REFERENCE	INITIAL OBLIGATION FY 81	ESTIMATED FINAL OBLIGATION FY 83	ESTIMATED COMPLETION DATE OF PROJECT FY85
GRANT <input type="checkbox"/> LOAN <input type="checkbox"/>	CONTINUING <input checked="" type="checkbox"/>	FY 81.CP Annex IV, P. 149			

Purpose: To enhance Tunisia's capability to acquire and incorporate appropriate technology into its development process.

Background: Tunisia is not benefiting sufficiently from technological advances, and its technical training system, while having progressed substantially in the past twenty years, is not keeping pace with demands of advances in science and technology. There are three principal obstacles to efficient acquisition and development of technology in Tunisia: (1) lack of linkages with U.S. institutions which would provide continuing awareness of the most appropriate available technology (2) lack of effective manpower planning to guide placement of students by field and to direct growth of Tunisian technical institutions; and (3) outdated curricula and pedagogical methods which limit the benefit students derive from technical training in Tunisia.

Project Description: The Project will provide technical, material and financial support to Tunisia's Ministry of higher education and scientific research (1) to develop a manpower planning capability to estimate and plan for future human resource needs, expanding Tunisian scientific and technical institutions in a pattern consistent with Tunisian development priorities; (2) direct selected Tunisian students in scientific and technical fields to appropriate institutions and fields in the U.S.; (3) provide U.S. professors, assist Tunisian educational institutions, upgrade curricula and pedagogic methods, organize research and teach selected courses; and (4) support the training of selected Tunisian students in the U.S. in fields of high development priority. In carrying out these activities, emphasis will be placed on appropriate applied technology and on the establishment of lasting professional linkages between Tunisian and U.S. institutions.

Relationship of Project to A.I.D. Country Strategy: U.S. Country strategy: This project is directly related to the U.S. efforts to transfer appropriate U.S. technology and to build a lasting and mature post-A.I.D. relationship with Tunisia.

Beneficiaries: The immediate beneficiaries will be the students on scholarships studying at U.S. educational institutions.

The ultimate beneficiaries will be Tunisian society at large which will derive economic and social benefits from the use of improved technology.

Host Country and Other Donors: The government of Tunisia will provide technical and administrative staff, facilities within Tunisia, tuition cost, English language training and support for most Tunisian students in the U.S. and in Tunisia, partial salaries and support for U.S. professors. The total Tunisian contribution is expected to exceed \$15 million, although some of this may be financed by other donors, particularly OPEC nations. There will also be contributions from the OECD, Canada and UNESCO.

Major Outputs:

	<u>All year</u>
Manpower planning capacity established in Ministry of Higher Education and Scientific Research to 1) direct Tunisian students into priority fields and 2) expand technology teaching institutions to meet national development priorities.	X
Tunisian students trained at U.S. institutions.	90
Tunisians trained in student placement in U.S. institutions.	2
Improved teaching methods and technical curricula incorporated in Tunisian institutions.	X

A.I.D. Financed Inputs:

	(\$Thousands)
	<u>Life of Project</u>
Technical assistance	
Long-term (in-country) (24 PM)	239
Long-term (at Gov't of Tunisia Washington student placement office) (30 PM)	206
Short-term in-country consultative services (33 PM)	305
Faculty exchange visits/tours	
U.S. faculty to Tunisia (54 PM)	405
Tunisian faculty and admin. officials to U.S. (25 PM)	198
Equipment (minicomputer, office equipment, vehicles)	25
Participant training	2072
	Total 3,450

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	U.S. FINANCING (In thousands of dollars)			PRINCIPAL CONTRACTORS OR AGENCIES
	Obligations	Expenditures	Unliquidated	
Through September 30, 1981	1,450	-0-	1,450	Academy for Educational Development, Inc.
Estimated Fiscal Year 1982	-0-	-0-	-0-	
Estimated Through September 30, 1982	1,450	-0-	1,450	
		Future Year Obligations	Estimated Total Cost	
Proposed Fiscal Year 1983	2,000	-0-	3,450	

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ANNEX G.

UNITED STATES OF AMERICA
Special Mission for Economic
and Technical Cooperation
149, Avenue de la Liberté
Tunis, Tunisia

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البعثة الأمريكية الخاصة للتعاون
الاقتصادي والفني
تونس

Mission Spéciale Américaine
de Coopération Economique
et Technique en Tunisie



AUG 30 1983

Mr. Ahmed Ben Arfa
Secretary of State to the Minister
of Foreign Affairs in Charge of
International Cooperation
Ministry of Foreign Affairs
Place du Gouvernement
Tunis

SUBJECT: A.I.D. Project No. 664-0315
Technology Transfer
Project Implementation Letter No. 5

Dear Mr. Ben Arfa:

This letter sets forth our mutual understanding of the procedures for using the \$2.0 million which was recently added to the subject project. We are prepared to disburse A.I.D. funds as follows:

1. For Tunisian students pursuing advanced degrees in academic year 1982-83, in accordance with the Project Agreement Amendment, AID will reimburse the Government of Tunisia for costs incurred by the Government of Tunisia for such Tunisian-sponsored students who studied in mutually agreed upon fields of study in the United States during the 1982-83 academic year. To obtain reimbursement, the Government of Tunisia shall submit to AID a request for reimbursement, supported by a table containing the information for each student as shown in the attached sample table of expenses.

The bottom of this table should contain the following statement regarding expenditures incurred: "The undersigned hereby certifies (A) that payment of the sum claimed under the cited grant is proper and due and that appropriate refund will be made promptly upon request in the event of disallowance of costs not reimbursable under terms of the grant, (B) that information given in this reimbursement report is correct to the best of my knowledge and that detailed documentation supporting this claim will be made available as provided by the grant, (C) that all of the grant conditions required to date of this certification have been met, and (D) that those expenditures claimed are properly reimbursable under the term of the grant and in no instance exceed A.I.D. participant allowance levels."

The statement should be signed by one of the following: the Chief of Cabinet, the Director of Cooperation, or the Director of the Scientific Mission of Tunisia in Washington, all of the Ministry of Higher Education and Scientific Research.

2. For Tunisian students pursuing advanced degrees who will be studying in the 1983-84 academic year or future academic years, AID is prepared to provide advances to the Government of Tunisia on a semester or summer academic term basis. The same table of expenses should be prepared for these advances, with the difference that the expenditure section will be an estimate for the term. The table for purposes of advances should contain the following statement: "All students listed herein have been accepted in an accredited U.S. advanced degree program in a field of study acceptable under the terms of the grant. The projected costs do not exceed the amounts allowable to AID participants."

Liquidation of these advances should occur as soon as possible but no later than 60 days after the end of the academic term, and requires a voucher with supporting table and signed statement as described above for reimbursement of 1982-83 expenses. The fields of study listed, both for advances and for reimbursement or liquidation, shall be mutually agreeable to AID and the Government of Tunisia, and AID will advise you in writing if it does not agree with any given field of study proposed.

3. Attached for your information is a list of the categories and levels of AID allowable costs. This list is updated periodically and will be provided to you on a regular basis. Allowable costs shall be considered effective as of the date they are notified to you in writing.

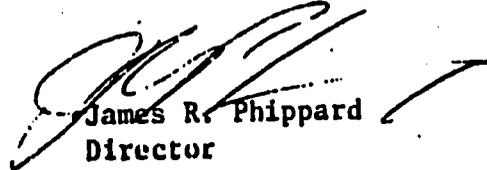
4. Concerning the agreement of the Government of Tunisia to provide or cause to be provided for the Project all funds, in addition to the Grant, and all other resources required to carry out the Project effectively and in a timely manner, as contained in Section 3.2 (a) of the Project Agreement, it is understood that in order to assure the success of the Project the Government of Tunisia will take all steps necessary so that the students studying in the United States under this Project can complete their degree programs.

Please indicate your agreement with the above understanding by signing below and returning one copy of this letter.

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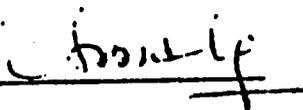
If you have any questions about these or any other matters related to the Project, please let me know. My staff and I will be glad to help.

Sincerely yours,



James R. Phippard
Director

Attachments: No. 1 - Table of Expenditures
No. 2 - Allowance Rates


Ahmed Ben Arfa
Secrétaire d'Etat auprès du Ministre
des Affaires Etrangères
Chargé de la Coopération Internationale

Date: AUG 30 1953

Table of Expenditures

Period: _____ to _____

Name	University	Location	Field of Study	Degree Program	Credit Hours	Grade Average	Tuition	Monthly Support & no. of Months	Books & Academic Material	Health Insur.	Other Expenses (Specify)	Total
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ATTACHMENT 2

ALLOWANCE RATES

Transit Status	\$ 50.00 per day
Advanced Maintenance Allowance	750.00
Residential Status	
A. Academic: Individual Rates by Institutions up to a maximum of \$635 per month	850.00
B. Technical	
Books	
A. Academic	35.00 per month
B. Technical - up to 4 months	50.00 total
C. Technical - over 4 months	35.00 per month
Thesis	300.00 total
Doctoral Dissertation	800.00 total
Typing of Academic Papers	up to 200.00 total per academic year
Typewriter Purchase	200.00 per participant in lieu of future typing allowances
Training Equipment	up to 300.00 per single item of equipment
Shipment of Printed Materials	
A. Academic (degree candidates)	120.00 per participant
B. Others (nondegree and technical)	60.00 per participant
Hospitalized Status	5.00 per day
Per diem	60.00 per day
Medical Insurance	25.00 per month per participant