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PROJECT IDENTIFICATION DOCUMENT FACESHEET
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3. COUNTRY/ENTITY
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5. PROJECT NUMBER (7 DIGITS)
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 A. SYMBOL **NE** B. CODE **4**

7. PROJECT TITLE (MAXIMUM 40 CHARACTERS)
 Higher Agricultural Education III

8. PROPOSED NEXT DOCUMENT
 A. **3** 2 = PRP 3 = PP
 B. DATE **0** **4** **7** **9**

10. ESTIMATED COSTS (\$000 OR EQUIVALENT, \$1 = 4 Dirhams)

FUNDING SOURCE		648589
A. AID APPROPRIATED		7,300
B. OTHER U.S.	1. 2.	
C. HOST COUNTRY		38,000
D. OTHER DONOR(S)		25,000
TOTAL		70,300

9. ESTIMATED FY OF AUTHORIZATION/OBLIGATION
 a. INITIAL FY **7** **9** b. FINAL FY **8** **3**

11. PROPOSED BUDGET AID APPROPRIATED FUNDS (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE		E. FIRST FY 1979		LIFE OF PROJECT	
		C. GRANT	D. LOAN	F. GRANT	G. LOAN	H. GRANT	I. LOAN
(1) FN	600	630		975		7,300	
(2)							
(3)							
(4)							
TOTAL				975		7,300	

12. SECONDARY TECHNICAL CODES (maximum six codes of three positions each)
 631 **968**

13. SPECIAL CONCERNS CODES (maximum six codes of four positions each)
 R/AG **XII**

14. SECONDARY PURPOSE CODE

15. PROJECT GOAL (MAXIMUM 200 CHARACTERS)
 To provide the trained scientists, managers and technicians required for full development of Morocco's agriculture sector.

16. PROJECT PURPOSE (MAXIMUM 400 CHARACTERS)
 To build the Hassan II Agronomic Institute into a first-class teaching, research and service institute appropriate to the needs of Moroccan Agriculture.

AG:MFord **PROG:MWard** **CONT:DWalls (substance)** **A/DIR:EGriffel** **246**

17. PLANNING RESOURCE REQUIREMENTS (staff/funds)
 2-man team from U. Minnesota for approx. 4 weeks: \$ 8,000
 1 AID/W rep. for 3-4 weeks : 2,000

18. ORIGINATING OFFICE CLEARANCE
 Signature: **Harold S. Fleming**
 Title: **Mission Director**
 Date: **05/20/79**

19. DATE DOCUMENT RECEIVED IN AID/W, OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION
 05 **20** **79**

HIGHER AGRICULTURE EDUCATION III

Project Identification Document

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HIGHER AGRICULTURE EDUCATION III

Project Identification Document

Introduction: The project proposed by this PID is for five years. It is seen as the first phase of a 10-year commitment by U.S. AID to the institutional development of a fully Moroccan staffed College of Agriculture. In this project U.S. AID will be providing significant support to the College in conjunction with other donors. AID's major emphasis will be on faculty and institutional development drawing on the unique and practical application of U.S. agricultural science and training to agricultural development.

A. Project Description:

1. Background

The Institut Agronomique et Veterinaire Hassan II (IAV) opened in 1966. From an enrollment of a few dozen students, it now has nearly 2,000 students of whom 10 per cent are from other African countries. The Institute has gone through early stages of growth (buildings, laboratories, program development) and is now poised to deal with the development of its own indigenous faculty. At the present time it has (in agriculture) only 5 faculty members with any advanced degrees or training. The IAV remains heavily dependent on foreign teaching assistance.

Since 1970 the University of Minnesota has conducted under AID contract a technical assistance project with IAV. Under this activity 53 third cycle students have been trained since 1974 and in 1978 the first 7 faculty members were brought to the U.S. for Ph.D. training. This project was favorably evaluated by an AID external review team in November 1977. This PID draws upon the evaluation team's recommendations and was requested by the GOM which is enthusiastic in its desire to continue the project.

The project, as noted by the Evaluation Report, has had a disproportionate impact on the evolution of IAV's understanding of U.S. agricultural science to the point that IAV now desires more than just a 'window' on U.S. centers of agricultural teaching and research. Out of growing appreciation of the pragmatic, applied nature of U.S. graduate training and the value of the interrelationship between research and teaching exemplified in U.S. land grant universities, IAV desires to train at least half of its future faculty in the U.S. Ph.D. programs and

I/ "Overview of Development and Future Needs of Hassan II National Institute of Agriculture and Veterinary and of the Ministry of Agriculture Morocco," Evaluation Report, AID/IF-C-1560, November 1978

to develop ties with U.S. agricultural science. During the design process, careful consideration will be given to seeking greater coordination between IAV and other external donors (bilateral and multilateral) to ensure efficient use and integration of AID resources into the overall development of IAV.

U.S. AID at the present time is a minor contributor to IAV. There are a number of other bilateral and multilateral donors who contribute to the IAV second and third cycle programs. The Belgians, French, Germans, Swedes, Canadians and British as well as FAO have linkages with the Institute. These programs are generally narrowly focused on one or more specialities providing resident and visiting teachers (2nd cycle). Third cycle scholarships for the 5th year, are also provided (in 1970 more than 2/3rds of the 5th year students were studying in those other countries). Although the other donor programs contain provisions for training counterparts in specific disciplines, none are focused on general faculty training in a major way. (A partial exception has been the Canadian Department of Topography). Thus, although any one of these donors may be providing up to 15-20 resident teachers and visiting professors, these activities are seen as a set of independent projects in say pedology, soil fertility, etc. around the resident staff members. It is also the case that counterpart training has been seen by the Europeans largely in terms of on the job training and, because of the absence of taught doctoral programs in Europe, not in terms of intensive faculty development. Many of the resident staff provided by these programs are themselves working on doctoral programs. The U.S. involvement is unique in its focus on accelerated faculty development. There is clearly a need to coordinate this project carefully with other donor programs which collectively are expected to provide training for the other half of the future faculty at IAV.

This project is ideally suited for implementation under the Title XII Collaborative Assistance Mode. Although it has some innovative features, it is solidly built on past experience. The evolutionary change in the nature of the proposed assistance (e.g. faculty training versus student training) requires the development of a new project with careful long-range planning.

Since it is anticipated that the project will be implemented as a Collaborative Assistance Mode activity, and since close coordination among donors will be very important, U.S. AID will want to monitor progress closely and ensure that the necessary coordination is taking place. For these reasons, project design will include annual evaluations, involving representatives of the various donors, that closely examine responsibilities of contributing parties and important assumptions underlying project success.

2. Purpose

The purpose of this project is to develop the IAV into a first class teaching, research and service institute appropriate to the needs of Morocco's agricultural development. The principal thrust shall be in the development of a Moroccan faculty and assistance in the integration of this faculty into the functions and programs of the Institute. A major indicator of project success will be the creation of permanent, solid, professional linkages between the U.S. and Morocco in agricultural science. In this way IAV can be expected to become a self-sustaining institution capable of servicing the science needs of Moroccan agricultural development through its teaching, research and service function.

3. Implementation

This project shall consist principally of participant training and provision of resident and TDY staff. The composition of inputs is expected to evolve over the lifetime of the project with declining emphasis on resident staff and increasing inputs from short term advisors. In this section, we describe the nature, purpose and interrelationships of the major features of the project design. There are a number of innovative concepts which are viable since they grow out of past experience and association with IAV.

a. Faculty Training

As noted above, the major thrust of this project is faculty development. It is believed that for the project to succeed, the Moroccan faculty must receive the quality of training expected of U.S. scientists and dispensed by U.S. universities, i.e., the Ph.D. It is expected that faculty members nominated by IAV will be accepted as participants under the project upon admission to the Ph.D. program by a U.S. graduate school (university). These faculty members will complete their course work and preliminary exams in the U.S. and develop proposals for dissertation research. The dissertation research will be conducted in Morocco. This last requirement is based on two considerations.

1) Their return to Morocco will accelerate the departure of other faculty members by enabling teaching loads to be picked up by recent returnees.

2) Conducting research in Morocco has several virtues. Notably it is likely that research carried out by Moroccans in Morocco will be useful to Moroccan agriculture. Dissertation research is more than an intellectual exercise and in the U.S. is a major vehicle for applied problem solving.

In order to make this approach work it will be necessary for students to be provided with minimum adequate conditions to carry on their research. This includes freedom from excessive teaching loads, money for laboratory supplies and equipment and, most importantly, sufficient contact with their advisor, library facilities and the sources of intellectual stimulation. It will require great flexibility and imagination by all parties to bring this off. Students must receive the necessary materials and supplies under the commodity component of this project as well as from the IAV to permit them to carry on their research. The resident staff, Moroccan peers, visiting professors, U.S. graduate students and IDV personnel would all provide guidance and supervision during the dissertation research process. It is envisioned that students will terminate dissertation research within 2 years of their return to Morocco.

There remain some as yet unresolved questions as to the composition of final examining committees and final granting of degrees. Can, for example, a resident team member with tenure at U.S. University X or a faculty member from IAV sit on a final exam committee of University Y? Under the proposed Partnership arrangements (see Section a) those and other questions can probably be resolved. In any case, the uncompromising standard of the U.S. Ph. D. shall be the principal objective of faculty training programs.

In regard to broadening of the faculty training in new fields, it is understood that such broadening will take place as opportunity presents, as IAV requests and the partnership of U.S. universities have interest and competence. It is also clear that the faculty training will reinforce IAV's commitment to the interaction of research and teaching. No formal plans exist for adding to the Institute an extension capacity along the U.S. Land Grant model - nor is it necessarily desirable or appropriate. Nevertheless, the Institute is engaged and committed to a number of programs such as those envisioned for Agadir which will promote the "service" role of the Institute. The planned construction of the Rural Development and Extension Training Center (under IBRD loan) on land adjacent to the Meknes School of Agriculture is a future development along these lines.* This project is only in the planning stage and at the present time, there is no certainty that it will be implemented. However, this projection is a good indication of the GOM's intent to develop its extension and service roles. The support of the Agadir campus is also in part related to these important new initiatives of the Institute.

b. Third Cycle Training

This project will assist the IAV to develop a quality faculty which will be capable of offering the third cycle (5th and 6th year) in Morocco. Under the project, between 1974 and 1975, 53 participants were sent to the U.S. for 5th year course work. By 1974 or before, 127 should

* The Meknes School is supervised by the Director of IAV and shares faculty with the IAV. Furthermore, all Meknes students spend their first year at IAV.

have substantial capacity to offer its own 5th year program drawing upon its own faculty, resident staff and visiting/TDY staff under the project. The maintenance of the third cycle project especially in the near term is based upon:

1) The desirability of continuing the fifth year program abroad as a means of supporting the 3rd cycle program until IAV has an in-country capacity.

2) The need to prepare additional candidates for future faculty Ph.D. students by offering fifth year training in several different disciplines. (Training of most participants under the present project has been limited to the plant sciences.)

3) Recognition that no school of agriculture can provide appropriate training in all fields.

c. Resident Staff

The project will continue to supply some resident staff - an average of 5 person years during this project - drawn from the 6 man level of resident staff under the existing contract. The maintenance of some resident staff is desirable for the following reasons:

1) There is need for continuity and for daily contact with the Institute for the purposes of understanding of programs and problems faced by the Institute.

2) There will be need, particularly with an expanded faculty training program and stepped up flow of TDYs, for project administration and planning capacity in-country.

3) The planned opening of the Agadir campus and the development thereof of horticulture and plant pathology creates a need for a minimum of 2 persons during the early stages of its development. It is planned to station these 2 resident staff members in Agadir, one of whom may be an "associate" advisor or junior faculty member.

4) USAID believes that if possible watershed and range-land management programs that have been built up under the existing contract should be maintained. This is of particular interest to USAID because of its close relationship to other planned activities in these areas.

5) The tour of duty of two current team members (in plant breeding and pathology) have only recently started (September 1976).

6) It is desirable that the person who is selected as team leader have demonstrated university and research administrative skills. However, this person is to be first and foremost a scientist and his

principal role will be that of a full time or near full time technician. Under no circumstances will the administrative duties of the team leader take precedence over his primary role as scientist.

For these reasons, the continuation, but planned phase down, of resident staff is necessary and desired. Specific assignments and staffing are contained in the section on Project Inputs and shall be further developed in the Project Paper. USAID takes the view that resident staff in order to provide desired linkages with U.S. universities should be tenured faculty members.

d. Short Term/Continuing TDYs

A major aim of this project is to create scientific linkages, dialogue and empathy between the United States' centers of agricultural science and the GOM. The short term/continuing TDYs will be tenured faculty members of U.S. institutions within the Partnership (see below) who are willing to make a long term (5 year) commitment to Morocco and to make one or more visits annually to the Institute for the purpose of advising doctoral research programs and to assist in teaching and the program development at IAV.

The short term/continuing concept does not exclude the normal use of consultants brought in for specific purposes, properly identified and managed. However, the idea behind the short term/continuing TDYs is to create enduring linkages, to promote efficient use of short term staff and, as explained previously, to permit close contacts with graduate students engaged in doctoral research in Morocco.

The IAV is willing to provide facilities for U.S. graduate students to do doctoral research in Morocco. This would further strengthen linkages through U.S. student advisors and help provide peer association with Moroccan doctoral students. These U.S. graduate students would be expected to have an "Assistantship" appointment at IAV and to participate in 3rd cycle teaching or thesis supervision. This would not only be highly cost effective but also aid the development of institutional ties, etc.

The short term/continuing staffing is itself cost effective. Provision will need to be made for temporary lodging, transportation, etc. in-country but these are solvable problems. It is also the intent of this staffing pattern to encourage U.S. faculty to use university mechanisms for quarter leaves, sabbaticals, etc. under this project in a further effort to create linkages - as well as similar visits by IAV faculty to the U.S. (professional conferences, visiting professorships, etc.)

In order to draw maximum advantage from short term/continuing TDYs, consideration needs to be given to possibilities of their teaching graduate classes, at least in selected fields, in English. The IAV has

informed us of its willingness to encourage this. It is strengthening its current English language program, and it recognizes the predominance of English as the language of agricultural science (journals, research, etc.). Although short term staff can reasonably be required to make investments in conversational French, it would be exceptional if such persons have sufficient capacity to teach advanced graduate courses in French. The participant training program in the U.S. requires Moroccan faculty/students to learn English (even prior to departure) and will give (and in certain departments has already given) a predominant English capacity to Moroccan faculty. They too can be expected to demand from students improved reading skills in English and knowledge of technical terminology in their own graduate teaching. At the graduate level, the strengthening of English capacity and as a medium of instruction is a further means of cementing enduring linkages with U.S. institutions. This project is based on a belief that it is the quality of this exchange and of U.S. faculty involvement that is important to Morocco. Demanding French language ability from visiting and short term professors (as opposed to encouraging it) will result in continuing isolation from much of the best that U.S. agricultural science has to offer.

USAID will insist on demonstrated, strong French capability from resident team members. This is essential to both professional dialogue (especially on the IAV campus) and for integration into Moroccan daily life. However, the project will provide, as necessary, for support to IAV's student English training program both as a means of promoting English training prior to departure of participants and to enable graduate teaching by short term TDYs. It is expected that this support will be in the form of intensive English teacher training programs either by USICA, the British Council or short term personnel from U. of Minnesota. Any increase in the present English language teaching staff of IAV would be the responsibility of the GOM. AID support would be limited to the training of the Moroccan staff.

a. The Partnership

The project will provide for multi-U.S. university involvement to ensure that resident staff, TDY personnel and faculty/student training is provided by U.S. universities with appropriate strengths and skills. Although much of agricultural science is not geographically specific (e.g. agricultural economics, plant breeding) there is much that is. Problems of citrus production, dryland farming and rangeland management, for example, are not equally developed at all universities. The University of Minnesota has under the current project placed both 3rd cycle and Ph.D. students in California and universities in the Northwest and Southwest (Oregon, Nevada, Arizona, Riverside, Davis, etc.). IAV desires linkages with those institutions which can best meet its needs for training and access to U.S. technology. The University of Minnesota, as lead university, should take appropriate steps to associate itself with other universities with complementary disciplinary strengths and skills

for the purposes of providing access to IAV to the full range of appropriate institutions for the training of its faculty and third cycle students and development of IAV-U.S. linkages. Resident staff and TDYs will be drawn from the collective resources of the Partnership, without the necessity of creating formal AID contractual relationship with dozens of U.S. universities. For the most part, participants would be trained at these Institutions.

The proposed "U.S. Partnership for Moroccan Agriculture" (USPIA) will seek to facilitate and coordinate the ability of IAV to draw upon the collective talents of U.S. universities. We have deliberately refrained from describing this as a consortium in order to emphasize the difference between the envisioned Partnership and existing U.S. consortia (HIAC, CID)^{1/}. The Partnership is to be created for the unique and sole purpose of strengthening linkages, ties, contacts and exchanges in agricultural science with Morocco. This Partnership, which itself is harmonious with the Title XII character of this project, will facilitate:

1) Building of understanding in the U.S. of project objectives and procedures by member universities.

2) Access by IAV participants to appropriate centers of excellence through improved understanding, commitment and interest by faculty members and universities. The placement of 3rd cycle students, for example, in the past at universities other than Minnesota has always created problems, delays and frustrations. Although Minnesota has successfully resolved these minor problems, it has been on a case by case basis. The proposed Partnership will help institutionalize the resolution of such matters.

3) Strengthening of U.S. collaborative ties and knowledge of Morocco's agricultural development problems. This in turn lays the basis for greater support from U.S. universities to USAID's agricultural sector programs. It is also envisioned that it will permit, largely outside of the project, the development of library facilities, language skills and other country/region specific knowledge, the scarcity of which currently hampers U.S. assistance to Morocco. (For example, there is no major library in the U.S. which has developed acquisitions on Moroccan agriculture and rural development).

4) Development of enduring, valued scientific exchange consonant with the expressed mutual desire contained in the communique signed by President Carter and His Majesty Hassan II in Washington in November 1976. The purpose of the Partnership is seen as laying the framework for such exchanges after USAID support is phased out.

^{1/} Mid America International Agriculture Consortium
Consortium for International Development

5) Efficient mechanisms for project management without the establishment of individual bilateral agreements between IAV and a dozen or more U.S. universities.

The creation of this Partnership will be the responsibility of the University of Minnesota in close consultation with AID. At this point we do not envision a highly structured organization with a secretariat, headquarters, staff, etc. Nonetheless, we do foresee a formalized agreement or agreements worked out in some detail and supported by memoranda of agreement and perhaps even contracts. We believe that mechanisms already exist for such purposes among U.S. agricultural institutions. The University of Minnesota has already indicated some imaginative proposals as first steps in this process.

The Partnership, apart from facilitating communication flows, placing of students and recruiting of resident and TDY personnel, would provide a U.S. forum, by conferences, seminars, etc., on Moroccan agriculture. It is intended that the Partnership would stimulate other activities with IAV not financed under the project (e.g. collaborative research, the XII CRSP involvement, etc.). Provision is made in Section D. for administrative costs of creating and maintaining the Partnership.

f. Commodities

It is not the intent under this project to make major commodity inputs to IAV. We recognize that some support is necessary both to individual students and staff as well as other requirements. The most visible and acute problem is the start up equipment needed by the new Agadir Center. We propose to examine this matter more closely during preparation of the project paper.

4. Project Outputs

Institution building and human capital development require long term commitment. This 5-year project is seen as a first phase in a new 10-year development framework. During the 5-year life of this project:

1) The project will initiate training of 65 participants for Ph.D. programs in the U.S. Of these 40 will have returned to Morocco for dissertation research and 20 will have completed their degrees by the end of the project.^{1/}

^{1/} We realize that the training of 65 Ph.D. candidates is an ambitious target but we believe it is realistic. Many of the students will be drawn from the 53 3rd cycle participants already sent to the U.S. under the present project, some may be students returning from training in Europe, and others may be selected from 3rd cycle participants to be trained under this project. This point requires further analysis during the design of this project and the possibility of a few "flunkouts" should also be considered.

2) A further 60 students will have received 3rd cycle (5th year) training in the U.S. By 1984 the Institute will have established its own core 5th year program and no more than 5 third cycle students will go to the U.S. in the last year of the project (as opposed to 15-20 in the first year).

3) The new center at Agadir will be operational and training students in 2nd and 3rd cycle programs as well as offering non-degree training and short courses. Two resident staff provided by the project will be replaced by Moroccan faculty returned from the U.S.

4) The basis of long term collaborative linkage between IAV and a broad spectrum of U.S. universities and institutions will have been laid. Post doctoral and faculty exchange programs, U.S. graduate student research at IAV, collaborative research and other exchanges will have been established. These will be indicators of sustainable and enduring linkages as will the development of the U.S. Partnership of universities.

5) IAV, through its faculty development, will be assisted in its further institutional growth and development which will be reflected in growing size and complexity of its teaching, research and service programs.

Of the current 6 Ph.D. students in the U.S., four are prior 3rd cycle participants. The University of Minnesota has already trained 53 3rd cycle programs and a further 60 3rd cycle participants will be sent to the U.S. for one year programs in the U.S. under this project. (Note: Third cycle participants shown by fiscal year in Table 1 will depart approximately 1 August of the preceding fiscal year and return about September 30th of the fiscal year shown in Table 1. Some students may be extended for a further academic quarter/semester. The objective in all cases will be to have students complete the 3rd cycle - 5th and 6th year - within two years of departure for the U.S.).

The model to be followed in regards to faculty Ph.D. training is to draw from the entire pool of young "assistants" who have completed their 3rd cycle program, been hired by IAV, and who have had 1 or 2 years work experience at IAV. The programming of participant training by discipline will be developed in greater detail in the PP.

These outputs are significant increases over current project outputs. The annual projections are shown in Table 1.

B. Relationship of the Project to the Country Development Strategy Statement and to Host Country Priorities

The eventual beneficiaries of this project will be the rural poor of Morocco. The project is based on the assumption that institutions of teaching, research and service are necessary, if not sufficient, conditions of agricultural progress. Morocco's rural development problems,

its growing food deficit, the nutritional status of its rural poor, its deteriorating natural resource base and the development of its limited water and soil resources demand the highest level of application of agricultural science in the development of appropriate technology and institutions if they are to be resolved. The continuing absence of a Moroccan staffed College of Agriculture and dependency on foreign teachers is a major obstacle to that development. USAID recognizes that other actions, policies and programs are also needed and is attempting to address these in other ways. Specifically, the Dryland Agriculture Applied Research Project No. 0136 and the Range Management Improvement Project No. 0145 are activities with which strong relationships should be developed. Careful and continuing attention to coordinating with these projects should be given throughout the development and implementation phases of this project. However, without adequately trained scientists and managers, the rural sector of Morocco cannot develop its potential. The growth in enrollment of the Institute in the last decade and its annual throughput of 500+ students will permit the placement of adequately trained people in projects, in the private sector and the GOI, where these needed skills can be brought to bear.

C. Discussion of AID Policy Issues

1. Can the IAV fully absorb this much assistance and provide as many as 65 qualified candidates for Ph.D. training?

It must be recognized that this project will create a need for some increase in the GOI budget. Perhaps the greatest strain will be brought about by the development of the Agadir Center. As usual, there is never an "ironclad" guarantee that the host government can or will do its part.

We believe, however, that past experience is a very good indicator and during eight years of experience with Hassan II we have found its record to be good. It is clearly the intent of the GOI to develop its institutions of higher learning. We have had numerous conversations with the Director of the Institute and other officials, all of which are fully confident that this is a program of high priority and that the government is prepared to meet the budgetary requirements.

2. Why the "U.S. Partners for Moroccan Agriculture" (USPMA) and how will it work?

This is a multidisciplinary project. Its goal is to develop a strong institution of higher learning, capable of developing the human resources needed for the modernization of the entire agricultural sector. As pointed out in this PID, we would like Hassan II to have access to the best U.S. agricultural science and technology available. No one U.S. land grant school has all of this. For this reason, we are building in the necessary flexibility to establish relationships with several U.S. institutions. This will not be a consortium. AID will contract with only one institution. The modus operandi for the involvement of other institutions will be further studied during the design process.

3. Will we create "elitism" with this project?

It is a consensus that the U.S. land grant colleges have been a major factor in the development of American agriculture. While it is not our intent to pattern the IAV upon any American school, we believe our system has quite a lot to offer the Institute at this stage of its development. Shortage of trained manpower is a serious constraint to development throughout the third world. Many of AID's efforts in developing countries have been frustrated by this constraint. We seek to develop in Hassan II a capability of "feeding" well prepared technicians into the public and private sector.

D. Estimated Cost of the Project

The estimated USAID contribution is \$7.3 million for the five year life of this project. This is in constant 1970 dollars and does not include allowance for inflation. See Table II for details.

It is estimated that the GOM's contribution to the cost of operating the IAV in F.Y. 1979 is \$7,000,000. It is believed that with some increase in activities and expansion to Agadir, the annual cost to the GOM will be \$8,000,000 by 1984. Therefore, the estimated total GOM contribution for the five year life of the project is \$38,000,000. Obviously most of the GOM financial support to IAV is for the regular annual budget and would continue with or without AID's assistance. This project will require only minimal GOM budgetary increase.

The Other Donor Contribution to the project is running about \$6,000,000 in F.Y. 1970. It is anticipated that this level of input will decline toward the end of the project as foreign teachers are replaced by Moroccans. We therefore estimate the five year contribution by other donors at \$25,000,000.

Admittedly the cost of such a project is substantial. However, the long range nature of the investment must not be overlooked. Primarily, it is an investment in people, mostly the training of young professional Moroccans who should have a productive life of 20 to 40 years ahead of them. It is also an investment in an institution which we expect to be of superior quality and which should endure into the unforeseeable future.

Table 1

Breakdown of Participant Training Schedule and Staffing Plan by Year

	FY					TOTAL
	1979	1980	1981	1982	1983	
<u>Participants</u>						
Ph.D. (departure)	8	12	15	15	15	65
(return to Morocco)	-	5	8	12	15	40
(completed)	-	-	-	8	12	20
Third Cycle	15	20	10	10	5	60
<u>Resident Staff</u>	7	6	5	4	2	24
Soil Science	1	-	-	-	-	1
Watershed Management	1	1	-	-	-	2
Rangeland/Ruminant Nutrition	1	1	1	1	-	4
Plant Pathology	1	1	-	-	-	2
Agronomy	1	1	1	-	-	3
Horticulture-Production	1	1	1	1	1	5
Horticulture-Pathology	1	1	1	1	-	4
Unassigned	-	-	1	1	1	3
Short-Term (Person Months)	10	15	20	25	30	100

It is the intent of the GON to seek a strong, well-balanced institution capable of supporting the thrust of Morocco's future agricultural development. Insofar as our emphasizing particular disciplines, we believe some flexibility should be retained to allow for "building in" future recommendations from the planned yearly evaluations of the project. The projection of two specialists in horticulture to be assigned to the resident staff as pointed out in Section c (Resident Staff) is an effort to support the development of the Agadir Center during its early years. This should not be construed as overemphasizing horticulture. Likewise, our failure to assign a veterinarian or an entomologist to the resident staff should in no way suggest an intent to ignore the area of animal health or crop protection.

It is primarily for these reasons that we have designed the staffing plan to make increasing use of short term professors as we phase out the resident staff. Designation of the disciplines to be supported by short term staff as well as for faculty Ph.D. training will be discussed during the design stage but should remain flexible throughout the life of the project.

Table II

Projected USAID Contribution in Constant 1979 Dollars

(No allowance for inflation)

	<u>FY</u>					<u>\$000</u>
	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>TOTAL</u>
<u>1. Participant Training^{a/}</u>						
Ph.D.	280	432	540	540	540	2,340
Third Cycle	270	360	180	180	90	1,080
Total	550	792	720	720	630	3,420
<u>2. Technical Assistance</u>						
Resident Staff ^{b/}	560	480	400	320	160	1,920
Short Term ^{c/}	65	90	130	162	195	650
Project Administration and Campus Support	190	190	190	190	190	950
Total	815	760	720	672	545	3,520
<u>3. Commodities</u>	150	50	70	80	-	350
Grand Total	1,523	1,610	1,510	1,472	1,175	7,290

a/ Budgeted at \$12,000/year: 3 man years for each Ph.D. student (2 in U.S. and 1 at half rate in Morocco for research costs not to include maintenance) and 1.5 man years for each 3rd Cycle student. More detailed analysis of pipeline and flows will be in PP.

b/ At \$30,000/year (including fringes, allowances, travel, etc.)

c/ At \$6,500/month (includes travel, fringes, in-country allowances, etc.)

Table III

Estimated U.S. Dollars and Local Currency Cost

	<u>U.S.\$</u>	<u>Local Currency</u>	<u>Total</u>
Participant Training	3,000	420	3,420
Technical Assistance	2,500	1,020	3,520
Commodities	350	-0-	350
Total	<u>5,850</u>	<u>1,440</u>	<u>7,290</u>

E. Project Preparation Strategy

It is the intent of this PID to make the transition from the current project to the Collaborative Assistance Mode (CAM) under Title XII. Therefore, University of Minnesota representatives, working in close coordination with IAV personnel, will have major responsibility for the development of the Project Paper. Probably two people for a 3 or 4 week period would be sufficient for this purpose. Additionally, we believe it is desirable that one member of the team have previous design experience. Therefore, TOY assistance by an AID/W design officer should be scheduled for approximately a three week period. USAID would like to schedule the project design to start in April, 1979.

Field Project Committee

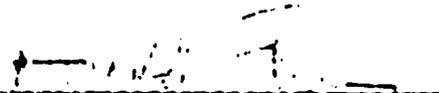
Eric Griffel	Assistant Director
Mark Ward	Program Officer
Harion Ford	Agriculture Development Officer

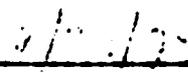
INITIAL ENVIRONMENTAL EXAMINATION

Project Location: Morocco
Project Title : Higher Agriculture Education III
Funding : F.Y. 1979 through 1983. Life of project funding by USAID is \$7,300,000.
Life of Project : Five years
IEE Prepared by : Marion H. Ford, Agricultural Development Officer, USAID/Rabat
Date : February, 1979

Environmental Action Recommended: As described on page two of this annex and throughout the narrative of this PID, this is an educational and training program. No construction or clearing of land is foreseen. No new land will be brought under cultivation. No field research is to be done except on existing stations and the only use of pesticides, or any other chemical, would be purely for demonstration purposes. It is therefore clear that this project will have absolutely no negative impact whatsoever on the environment. We therefore recommend a negative determination.

Concurrence:


Mission Director


Date

Higher Agriculture Education III

Description of the Project

The principal objectives of this project are the development of a Moroccan University faculty and the creation of lasting and professional relationships between the Moroccan College of Agriculture and several U.S. universities. Several resident U.S. professors will work on long term teaching assignments in Morocco and numerous visiting professors will participate on a short term basis. Some American students may carry out some research projects in Morocco. Over 100 Moroccan participants will receive training in the U.S., many of them to the Ph.D. level. This project will be implemented under a contract with a Title XII institution.

IMPACT IDENTIFICATION AND EVALUATION FORM

<u>Impact Areas and Sub-Areas*</u>	<u>Impact Identification and Evaluation**</u>
A. LAND USE	
1. Changing the character of the land through:	
a. Increasing the population	U
b. Extracting natural resources	U
c. Land clearing	U
d. Changing soil character	U
2. Altering natural defenses	U
3. Foreclosing important use	U
4. Jeopardizing man or his works	U
5. Other factors	None
B. Water Quality	
1. Physical state of water	U
2. Chemical and biological states	U
3. Ecological balance	U
4. Other factors	None

* See Explanatory Notes for this form

** Use the following symbols: U - No environmental impact
L - Little environmental impact
M - Moderate environmental impact
H - High environmental impact
U - Unknown environmental impact

Impact Identification and Evaluation Form (continued)

C. ATMOSPHERE

- | | |
|--------------------|------|
| 1. Air additives | !! |
| 2. Air pollution | !! |
| 3. Noise pollution | !! |
| 4. Other factors | None |

D. NATURAL RESOURCES

- | | |
|---|------|
| 1. Diversion, altered use of water (Irrigation) | !! |
| 2. Irreversible, inefficient commitments | !! |
| 3. Other factors | None |

E. CULTURAL

- | | |
|-----------------------------------|------|
| 1. Altering physical symbols | !! |
| 2. Erosion of cultural traditions | !! |
| 3. Other factors | None |

F. SOCIO-ECONOMIC

- | | |
|--|------|
| 1. Changes in economic/employment patterns | !! |
| 2. Changes in population | !! |
| 3. Changes in cultural patterns | !! |
| 4. Other factors | None |

Impact Identification and Evaluation Form (continued)

G. HEALTH

- | | |
|---|---|
| 1. Changing a natural environment | N |
| 2. Eliminating an ecosystem element | N |
| 3. Other factors - Small quantities of fertilizers and plant protection materials | N |

H. GENERAL

- | | |
|---------------------------|------|
| 1. International impacts | N |
| 2. Controversial impacts | II |
| 3. Larger program impacts | II |
| 4. Other factors | None |

I. OTHER POSSIBLE IMPACTS (not listed above)

None

AID 1350-1 (7-71)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country, MOROCCO	Page 1 of 11 Pages <i>11c</i>
		2. PIO/T No. 608-0134-3-80004	3. <input checked="" type="checkbox"/> Original or Amendment No. _____
		4. Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II	
		5. Appropriation Symbol	

DISTRIBUTION	6.A. Allotment Symbol and Charge	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 <u>2/13/78</u> To <u>9/30/79</u>	
	9.A. Services to Start (Mo., Day, Yr.) Between <u>Continuing</u> and _____	

A. Bekkali Director, Agronomic Institute Hassan II	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					
	Estimated Financing		(1)	(2)	(3)	(4)
	\$1,000=		Previous Total	Increase	Decrease	Total to Date
	11.	A. Dollars		500,000		500,000

Chil

13. Mission References ProAg 608-78-002 AID/NE-C-1279	14. Instructions to Authorized Agent This PIO T updates the description of services in PIO T 608-0134-3-70004, and provides funds for the continuation of these services. AID/W is requested to amend contract No. AID/NE-C-1279 accordingly.
---	--

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.	
A. The specifications in the scope of work are technically adequate. F&A: JG Neptune <i>J. Gerard Neptune</i>	B. Funds for the services requested are available. CONT: WR Thomas <i>W. R. Thomas</i>
C. The scope of work lies within the purview of the initiating and approved Agency Programs. PROG: MWard <i>M. Ward 3/16/78</i>	D.
E.	F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to	17. For the Agency for International Development <i>Albert P. Didier</i> Signature: Albert P. Didier Title: Mission Director	18. Date of Signature 3/16/78
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AID 1380-1 (B-70)	Cooperating Country MOROCCO	PIO/T No. 608-0134-3-80004	Page 2 of 11 Pages
PIO/T	Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II		
SCOPE OF WORK			

19. Scope of Technical Services

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

To implement project 608-0134 - Higher Agricultural Education - Phase II.

B. Description

1. Through Contract AID/NE-C-1279 with the University of Minnesota, the following will be provided:

1. Up to 162 work/months of professors in the broad fields of soil and plant science
2. Up to 12 work/months of consultants in the areas of research and curriculum development;
3. Up to 10 work/months of scientific backstopping for the professors;
4. Up to 421 work/months of participant training for Moroccan faculty members and graduate level students, and
5. Limited teaching and research equipment and supplies.

(Cont'd on page 6)

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>
-----------------------	------------------------------	--------------------------------	--

(See page 7)

(2) Duty Post and Duration of Technicians' Services

RABAT. Although only partial funding is available, it is expected that the services requested will be required through FY 79.

(3) Language requirements

FRENCH or ARABIC - Proficiency PSI 3.

(4) Access to Classified Information

Not required.

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

D. Financing of Technical Services

(1) By AID - \$ 500,000

(2) By Cooperating Country - 1.8 million

AID 1350-1 (9-76)	Cooperating Country MOROCCO	PIO/T No. 608-0134-3-80004	Page 3 of 11 Pages
PIO/T	Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II		

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
	Miscellaneous teaching and research		
	equipment and supplies	\$ 25,500	

B. Financing of Equipment and Supplies
(1) By AID - \$ 25,500

(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):
SPECIAL PROVISIONS

1. Participant Training

- a. All candidates for U.S. training must be approved in writing by the USAID Director or his designee.
- b. Selection of the candidates will be the joint responsibility of INAV and the Contractor and will be made in keeping with the purpose of the project. It will be made in a timely manner to enable the candidates to secure formal admission to U.S. universities. Such admission will be a prerequisite for approval by USAID.
- c. Approval of the candidates by USAID will be subject to: (1) availability of funds, (2) evidence of formal admission by a U.S. university stating the

(Cont'd on page 8)

AID 1350-1 (9-70)	Cooperating Country MOROCCO	PIO/T No. 608-0134-3-80004	Page 4 of 11 Pages
PIO/T	Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II		

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)

In addition to the reports requirement Clause 12, of the General Provisions, five copies of all reports shall be prepared by the Contractor and submitted as follows:

1. To USAID and INAV by November 15 of each year: a comprehensive annual report prepared in both English and French on the activities of the project during the previous academic year;
2. An annual report in both English and French, prepared by each member of the resident team on his teaching and research activities; the report must include an itemized list of equipment purchased under the project during the year;
3. Within 30 days after completion of his assignment, a report prepared by each short-term staff, consultant or group of consultants;
4. At the end of each academic term, a report on the achievement, progress, and problems if any, of each participant; and
5. Within 30 days after the end of each quarter, a detailed expenditure report shall be prepared and submitted to USAID.

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

Pertinent files and records at USAID and INAV will be available to the Contractor.

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

A. Relationships and Responsibilities

(See page 11)

B. Cooperating Country Liaison Official

The Director of INAV or his designee will be the liaison official of the GOM.

C. AID Liaison Officials

The Director of USAID or his designee will be the AID liaison official.

AID 1350-1 (9-70)	Cooperating Country	PIO/T No.	Page 5 of 11 Pages
	MOROCCO	608-0134-3-80004	
PIO/T	Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II		

LOGISTIC SUPPORT

25. Provisions for Logistic Support	In Kind Supplied By		From Local Currency Supplied By	
	AID	Cooperating Country	Arranged by AID Contractor	Local Currency supplied by
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		X		
(3) Housing and Utilities		X		
(4) Furniture			X	
(5) Household Equipment (Stoves, Refrig., etc.)			X	
(6) Transportation in Cooperating Country			X	
(7) Interpreter Services				
(8) Secretarial Services (French)		X		
(9) Int'l Transportation (participants)				X
(10) Customs Clearance (Project commodities)		X		
(11) Vehicles	X			
(12)				
(13)				
(14)				
(15)				

B. Additional Facilities Available From Other Sources

The following items will be provided by the Contractor as U.S. dollar costs under the contract in support of field operations in Morocco, effective December 1, 1976:

1. Allowances for housing and utilities in accordance with USAID policy.
2. Allowances, not to exceed \$200 per long-term staff member and per full year of occupancy of permanent quarters, for the actual cost of minor maintenance not provided by the lessor.
3. In-country travel and transportation in accordance with USAID policy, including maintenance, POL and liability insurance costs of USAID-furnished vehicles.
4. Local hire staff as approved by USAID.

The following services or facilities in Morocco will be made available to the Contractor's U.S. hire field staff in accordance with the U.S. Embassy policy:

1. Embassy Cooperative Association (ECA) privileges.
2. U.S. Embassy Health Unit Services.
3. Assistance in obtaining customs clearances for personal effects as permitted under Moroccan law, vehicle registration and necessary licenses.

The following services or facilities will not be available to the Contractor's staff:

1. U.S. Military Hospital, Exchange and Postal facilities.
2. U.S. Embassy Pouch services.

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

Worksheet Invoice

PAGE 6 OF 11 PAGES

CONTINUATION
SHEET1. Cooperating Country
MOROCCO2. Contract PIO/T No.
608-0134-3-80004

FORM SYMBOL

TITLE OF FORM

2.b. Effective Date

2.c. Amendment
 Original OR No.

PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES3. Project/Activity No. and Title
608-0134

HIGHER AGRICULTURAL EDUCATION, PHASE II

Indicate block
numbers.

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

19.B.

(Cont'd from page 2)

Professors

The major responsibilities of the professors will be to:

1. Teach, guide and supervise students in the planning and execution of research and thesis work;
2. Develop in their respective areas of specialization, research programs supportive of their teaching and training activities;
3. Develop in their respective areas of specialization, appropriate graduate courses to be offered in Morocco in 1979-80 or before;
4. Assist in the selection of faculty members and students for training in the U.S.
5. Assist in the selection and training of junior Moroccan faculty members;
6. Participate, as appropriate and feasible, in undergraduate teaching and curriculum development.

Scientific Backstopping

Scientific backstopping for the professors residing in Morocco will be provided by senior home campus personnel of the Contractor. Their responsibilities will be to:

1. Provide the necessary scientific link between the individual professors in the field and the corresponding academic departments at the home campus;
2. Advise and counsel the field staff in the preparation of work plan, the conduct of research activities, the development of courses and curriculum, and the guidance and supervision of junior Moroccan faculty and thesis students;
3. Assist the field staff in developing appropriate training programs for Moroccan faculty and students;
4. Assist in the coordination and supervision of participant training in the U.S.

CONTINUATION
SHEET

FORM SYMBOL

PIO/T

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES Worksheet Issuance

PAGE 7 OF 11 PAGES

1. Cooperating Country:
MOROCCO

2. Order No. PIO/T NO.

608-0134-3-80004

2.b. Effective Date

2.c.

Amendment

 Original OR No.

3. Project/Activity No. and Title

608-0134

HIGHER AGRICULTURAL EDUCATION, PHASE II

Indicate block
numbers.

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

19.B.

Consultants

Consultants' services will be in field of expertise (Curriculum, Development and Research).

19.C.

STAFFING PATTERNField Staff

1. Composition - During the life of the contract, October 1, 1976 - September 30, 1979 - the contractor shall endeavor to maintain in Morocco not to exceed six (6) long-term staff members in the fields of specialization and for the duration indicated below, and one administrative assistant. The Contractor shall also provide short-term staff members and consultants as approved in the annual work plan and within the work-months specified below:

Number	Field of Specialization	Level	Work/Months
1	Plant Breeding	Doctoral	18
1	Plant Pathology	"	18
1	Horticulture	"	30
1	Soil Conservation	"	30
1	Range Management	"	30
1	Watershed Management	"	30
	Short-term staff	"	6
	Consultants	"	10
1	Administrative Assistant (Local Hire)	N/A	36

CONTINUATION SHEET	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Issuance	PAGE 8 OF 11 PAGES
		1. Cooperating Country: MOROCCO		2.a. Contract PIO/T No. 608-0134-3-80004
		2.b. Effective Date		2.c. Amendment <input checked="" type="checkbox"/> Original OR No.
		3. Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II		
FORM SYMBOL	TITLE OF FORM			
PIO/T	PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES			

Indicate block
numbers.

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

21.c.

the academic department in which the candidate proposes to study; (3) evidence of proficiency in the English language.

- d. The Contractor will assist the candidates in securing admission to U.S. universities and will provide each approved candidate with a signed DSP-66 form at least 15 days prior to the expected date of departure for the U.S.
- e. INAV will assist the approved candidates in obtaining their passports and exit visas and otherwise fulfilling Moroccan legal and administrative requirements.
- f. Maintenance allowances will be provided by the Contractor as a U.S. dollar cost under the contract .
- g. USAID will also assist the candidates to:
1. make arrangements to take the English language proficiency test (TOEFL);
 2. obtain U.S. visas;
 3. obtain transportation tickets.

2. Commodity Procurement

The Contractor will procure project equipment and supplies in accordance with the annual work plan and AID regulations. All shipments will be consigned to the INAV which will obtain duty-free custom clearance of the commodities.

The Contractor will be responsible for securing from INAV a receiving report for each equipment item provided under the contract and for maintaining an inventory of all such items.

3. Work Plans & Budgets

The Contractor will perform its services in accordance with an annual work plan which shall be prepared in cooperation with the INAV and submitted to USAID not later than May 1. The work plan must be a comprehensive document describing the projected activities to be carried out in the following year. It must also include plans for the research activities

(See page 9)

AID 1200-1 (7-69)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT TITLE OF FORM PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Issues	PAGE <u>9</u> OF <u>11</u> PAGES
CONTINUATION SHEET		1. Cooperating Country MOROCCO		2.a. Order No. PIO/T No. 608-0134-80004
FORM SYMBOL		2.b. Effective Date		2.c. Amendment <input checked="" type="checkbox"/> Original OR <input type="checkbox"/> No.
PIO/T		3. Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II		
Indicate block numbers.	Use this form to complete the information required in any block of a PIO or PA/PR form.			

to be conducted by each individual professor. Each research plan will be accompanied by a budget which will show the estimated inputs of INAV and USAID. Both work plan and budget must be approved in writing by INAV and USAID.

4. Project Review

Beginning in 1977, a joint review of the project will be conducted in June of each year by INAV, USAID and Contractor, prior to approval of the work plans and budgets for the following year.

5. Project Vehicles

Vehicles under this project will be provided by and titled to USAID and will be used by the resident team members only for project related travel and activities. It will be the responsibility of the Contractor to ensure that the vehicles are properly maintained and that maintenance and utilization records are kept in accordance with USAID procedures.

6. In-Country Travel

In-country travel by members of the resident team, when related to their approved research plan, will be undertaken in the project vehicles and during normal workdays unless otherwise authorized by USAID. Travel expenses will be chargeable to the contract. All other local travel as it pertains to teaching and student research activities will be the responsibility of the INAV. The use of privately-owned vehicles in lieu of or in addition to project vehicles is not authorized.

7. International Travel

International travel under the project must, in all cases, be approved by USAID and undertaken in accordance with AID rules and regulations.

8. Emergency Travel

Emergency travel will be granted to the resident team members and their dependents on the basis of AID provisions.

9. Travel Arrangements

Travel arrangements in all cases will be the responsibility of the Contractor.

(See page 10)

AID 1900-1 (7-69) CONTINUATION SHEET FORM SYMBOL PIO/T	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT TITLE OF FORM PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Invoice	PAGE 10 OF 11 PAGES
		1. Cooperating Country MOROCCO		2. a. BUDGET NO. / T NO. 608-013A-8000A
		2.b. Effective Date		2.c. Amendment <input checked="" type="checkbox"/> Original OR No.
		3. Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II		

Indicate block numbers.

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

10. Annual & Sick Leave, Holidays

Members of the resident team will be subject to the policies and regulations of the Contractor. However, they will be expected to schedule their annual leave periods with the concurrence of the INAV.

11. Education Allowances

Allowances for the education of dependent children of the resident team members will be granted in accordance with current AID provisions.

12. Home Staff

As required and within budgetary limitations, the Contractor may provide a home-campus coordinating and supporting staff as follows:

Project Director	18 Work/months
Secretariat & Accounting Services	36 Work/months
Backstopping & Advisory Services	10 Work/months

Variations in the staffing pattern may be made as mutually agreeable between the Mission Director and the Contractor.

13. Customs Clearance

Resident team members will be entitled to duty free entry into Morocco of their personal effects and vehicle, in accordance with Moroccan law and current AID practices. USAID will provide assistance in securing the necessary customs clearances, in obtaining their Identification cards, driver's licences and car registration.

Customs clearance of commodities provided under the project will be the responsibility of the INAV.

AID 1300-1 (7-59)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT TITLE OF FORM PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	<input type="checkbox"/> Worksheet	<input checked="" type="checkbox"/> Issuance	PAGE 11 OF 11 PAGES
CONTINUATION SHEET		1. Cooperating Country: MOROCCO	2. Original PIO/T NO. 608-0134-80004	
FORM SYMBOL		2.b. Effective Date	2.c. Amendment: <input checked="" type="checkbox"/> Original OR Not	
PIO/T		3. Project/Activity No. and Title 608-0134 HIGHER AGRICULTURAL EDUCATION, PHASE II		
Indicate block numbers.	Use this form to complete the information required in any block of a PIO or PA/PR form.			

24.a

The Contractor field staff will be located at the INAV in Rabat. Any exceptions to this policy must be approved in writing by the USAID. As de facto members of the INAV faculty, they will abide by the administrative and academic policies, rules and regulations governing that institution. However, as employees of the Contractor, they will be subject to the policies, rules and regulations of the Contractor regarding employment status, salaries and benefits, annual and sick leave, and they will be entitled to home leave and emergency leave in accordance with AID provisions.

Chief of Party - The Contractor shall designate one of the professors residing in Morocco to serve, with the concurrence of INAV, as Chief of Party. The Chief of Party will:

- a) be the field representative of the Contractor in all matters related to project implementation;
- b) serve as liaison officer between the Contractor on the one hand and INAV and USAID on the other;
- c) have general administrative supervision over the Contractor field staff including local hire personnel;
- d) keep himself well informed on the activities of the staff as these relate to the project; and
- e) call attention of the Mission Director and the Contractor to all problems and constraints which cannot be resolved through ordinary channels.

AID 1380-1X (1-78)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country Morocco	Page 1 of 4 Pages 17
		2. PIO/T No. 608-0134-3-80017	3. <input checked="" type="checkbox"/> Original or Amendment No. _____
		4. Project/Activity No. and Title Assistance to Higher Agricultural Education (Phase II) 608-0134	
		5. Appropriation Symbol 72-1181021	

PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

DISTRIBUTION	6. Allotment Symbol and Charge 843-50-608-00-69-81	
	7. Obligation Status <input type="checkbox"/> Administrative Reservation <input checked="" type="checkbox"/> Implementing Document	8. Project Assistance Completion Date (Mo., Day, Yr.) 9/30/80
	9. Authorized Agent AID/W	10. This PIO/T is in full conformance with PRO/AG 608-78-002 Date Ref. RABAT 5495
	11a. Type of Action and Governing AID Handbook <input checked="" type="checkbox"/> AID Contract (HB 14) <input 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)
N/A12. Estimated Financing (A detailed budget in support of column (2) is attached as attachment no. **II**)

Maximum AID Financing	A. Dollars	(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
					9,511
	B. U.S.-Owned Local Currency				

13. Mission
ReferencesRef. RABAT
5495

14a. Instructions to Authorized Agent **CM/ROD/NE** is hereby requested to negotiate a personal services contract with a consultant to be identified, having skills to perform the services as described pp. 2, Block 18 this PIO/T. This consultant will be the team leader and will, among other activities specified in the Statement of Work, perform those directed to the team Leader (3., E.). The air ticket from home base via Rabat return to home base via St. Paul will be furnished by AID/W and charged to this PIO/T. Per Diem, transportation and local hire costs in Morocco are to be cleared in writing by Mission Director and may be vouchered/paid by USAID/Rabat and charged to this PIO/T. All other costs are to be borne by the consultant and vouchered for payment following the completion of services.

14b. Address of Voucher Paying Office

USAID/RABAT

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. 29262	B. The statement of work lies within the purview of the initiating and approved agency programs
	Date 9/29/78	
L. Clark , NE/TECH/AD	Date 9/29/78	G. Lewis , MENA/M
R. O. Olson , NE/TECH/AD	Date 9/29/78	I. Allen , NE/DP
JM Silver , NE/DP	Date 10/2/78	
T. Patterson , NE/TECH		
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 W. F. Gelabert Date 10-7-78	
Title _____	Title Director, NE/TECH	

Worksheet

AID 1380-1X (1-78)	1. Cooperating Country Morocco	2. PIO/T No. 608-0134-3-80017	Page 2 of 4 Pages
	4. Project/Activity No. and Title Assistance to Higher Agricultural Education (Phase II) 608-0134		

SCOPE OF WORK

18. THE SCOPE OF TECHNICAL SERVICES REQUIRED FOR THIS PROJECT ARE DESCRIBED IN ATTACHMENT NUMBER 1 HERETO ENTITLED "STATEMENT OF WORK".

19. SPECIAL PROVISIONS

- A. LANGUAGE REQUIREMENTS (SPECIFY) N/A
(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)
USAID/Rabat Two and one half weeks.
- D. DEPENDENTS WILL WILL NOT BE PERMITTED TO ACCOMPANY TECHNICIAN. **at U.S. Govt. expense**
- 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)
- A six day work week is authorized in Morocco, and in U.S. (to cover Sat., Nov. 11).
 - Work on U.S. holidays is authorized (to cover Friday, Nov. 10).

20. BACKGROUND INFORMATION (ADDITIONAL INFORMATION USEFUL TO AUTHORIZED AGENT)
Subject: External Review/Evaluation of subject project.

The Agency for International Development has been assisting the Government of Morocco with its development of the Hassan II Institute Agronomique and Veterinaire (IAV), since late 1967. The IAV was begun in 1963 shortly after Morocco's independence. Originally it was to provide field level technicians for the Ministry of Agriculture (MOA).

(Cont'd on pg. 4)

Expatriate professors

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

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

CONTINUATION SHEET

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

Worksheet Issuance PAGE 4 OF 4 PAGES

FORM SYMBOL

TITLE OF FORM

1. Cooperating Country
MOROCCO

2a. Code No.

2b. Effective Date
10/1/78

2c. Original OR Amendment
Nat.

PIO/T

Project Implementation
Order/Technical Services

3. Project/Activity No. and Title
Assistance to Higher Agricultural
Education (Phase II) 608-0134

Indicate block numbers.

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

Cont'd BP 2
Block 20

were brought in from France, Belgium, the Netherlands, etc. and as the Institute developed, these professionals influenced a change toward developing an institution for higher agricultural education. The Ministry's manpower demands expanded rapidly and as fast as young graduates were turned out they have been taken into Ministry jobs. Few were left behind to take up the "trade". In 1967 the GOM requested AID to assist in the development of IAV. The primary objective being to develop an expanded curriculum while creating a faculty of Moroccan staff.

The original project "Assistance to Higher Agricultural Education, Phase I" spanned seven years August 1969 through June 1976. The first five year contract with the University of Minnesota became effective June, 1970. An external project review and evaluation was completed in 1975 by Practical Concepts Inc. AID and the GOM developed the present five year project, "Assistance to Higher Agricultural Education, Phase II" following the PCI review. The Mission and the GOM Institute subsequently requested to continue with a new three year contract with the University of Minnesota, ending 9/30/78.

Naturally it is recognized by all parties concerned, that the Institute's needs for assistance have changed over the course of time. The University of Minnesota contract now entering the third and final year with two years remaining in the project, presents an opportune time [redacted] to examine past experiences and to determine future needs of the Institute and the MOA.

Statement of Work:

1. Objectives:

A. To review/evaluate the project in terms of contribution to AID/GOM/IAV objectives and planned accomplishments.

B. To recommend future project directions and/or changes to support the institute, and to support GOM development needs and strategies.

C. To serve as a management-oriented report commanding respect of concerned parties, and which will be used as basis for decision-making and action.

2. Scope of Work:

A. Obtain overview of development of agricultural education system in Morocco over past decade.

B. Determine impact of AID project on historical development of institute.

C. Project agricultural science manpower needs of GOM, now and in the future.

D. Assess objectives and potential contribution of institute in terms of AID's agricultural development policy, and in terms of GOM agricultural development policy and plans.

E. Assess appropriateness of institute structure and staffing plans over next decade including development plans by disciplines and curriculum.

F. Determine in general terms need, if any, for continued AID assistance over next decade.

G. Make specific recommendations for changes in current project design, management and execution to implement above in medium term, 3-5 years, field staff, consultants, etc.

H. Attention shall be given in light of above to:

1) Feasibility/probable evolution of Moroccan capacity for third cycle training and its implications for faculty development needs.

2) Expansion of project's base to fields outside those currently served.

3) Study be given to decentralizing IAV activities (Meknes?).

4) Effectiveness of participant training and selection/performance of professional advisors in relation to project implementation (on campus University of Minnesota and/or in other U.S. institutions.)

5) Feasibility of M.S. research and particularly Ph.D. dissertation research in Morocco versus in U.S. and implications.

3. Consultant's (3) Qualifications and Duties

A. Agricultural Scientist/Academician having a minimum of 20 years experience in a college of agriculture in a State University system;

B. Experience must demonstrate professional progression from the agricultural scientific specialty field to the broader views of Academic Administration and involvements;

C. Must have served in a field advisory capacity in an LDC a minimum of eighteen months assisting with the implementation of a project associated with the development of a faculty or college for higher agricultural education.

D. Team Members will be responsible to the Team Leader in fulfilling the total team effort as described in the "Statement of Work".

E. Team Leader will be responsible for:

1) Administrative direction of the team effort in performance of their duties;

2) Acquire, hire or purchase additional services such as; transportation, secretarial services, etc.

3) The completion, preparation and delivery to AID/W of the team report in the prescribed time scheduled.

4. Suggested Time Schedule:

Oct. 16, 1978 - Team members leave home bases enroute to Rabat via AID/W (tickets prepared by AID/W/Travel and sent to consultants. Tickets written from consultant home base via AID/W to Rabat with return portion made Rabat to home base via St. Paul, Minnesota).

- Oct. 17. - AID/W/NE/TECH Team Briefing and Project Orientation
10:00 a.m. Room 4717 N.S.
- Oct. 17 - Lv. 4:50 p.m. Dulles TWA via New York Ar. Casablanca
8:40 a.m. Oct. 18
- Oct. 18/19 - USAID/Rabat Country Briefing and Project Orientation,
Work schedule and logistic support
- Oct. 19/23 - Team Review Mission supplied project documentation
- Oct. 24/28 - Team interviews IAV/MOA/U. of Minnesota team/others and
field trips
- Oct. 30/Nov.4 - Team preliminary drafting, Mission debriefing
- Nov. 5/6 - Lv. Casa 2 p.m. Nov. 5 for Madrid. Madrid, N.Y., St. Paul
on Nov. 6 arriving 10:49 p.m.
- Nov. 7/8 - Review U. of Minnesota supplied project documentation and
interview campus coordinator and supporting staff and
participants.
- Nov. 9/11 - Team members complete report inputs and assemble draft
report. Return to home bases.
- Nov. 13/17 - Team leader reviews and finalizes report (1½ days).
- Nov. 21 - Report due in AID/W.
- Dec. 12 - Team leader meet with NE/TECH to review report:
10:00 a. m. Room 4717 N.S.

5. Reports:

At the conclusion of the work schedule the designated team leader will be responsible for submitting one typewritten copy of the team's final report, in English. The report will address the "Scope of Work," item for item, under the specific sub-sections in the "Scope". The single copy of the report, to be suitable for immediate reproduction (xerox) and distribution, will be delivered to AID/W/NE/TECH no later than three weeks following the team's departure from Morocco.

Budget

1. Period of Performance: to begin October 10, 1978
to end January 19, 1978

2. Consultant and salary

No.	<u>Position</u>	<u>Grade Level</u>	<u>Overseas</u>	<u>U.S.</u>	<u>Rate Day</u>	<u>Total</u>
1	Agricultural Scientist/Academician (Team Leader)	GS 15	17*	9**	\$183	\$4758

3 Fringe Benefits: Workmens Compensation and FICA
10% of salary \$ 48

4 Travel and Transportation: Estimated Cost

<u>No. Travelers</u>	<u>Ticketing</u>	
1	International from base via AID/W and return to base via St. Paul	\$1500
3	Local transportation in Morocco (including car rentals)	450
1	Rd. trip home base to AID/W	<u>300</u>
		\$2250

5 Allowances: Per Diem

Morocco	20 days at \$41/day	\$ 820
U.S.	5 days at \$35/day	175
	2 1/2 days at \$50/day	<u>125</u>
		\$1120

6 Subcontracts:

Secretarial help, Morocco	10 days at \$30 =	\$ 300
Interpreter/translator, Morocco	10 days at \$20 =	200
Secretarial help U.S.	15 days at \$50 =	<u>750</u>
		\$1250

7 Other direct costs:

Shots	\$25	\$ 25
Passports and visas	\$10	10
Incidentals	\$50	<u>50</u>
		\$ 85

TOTAL \$9511

*includes time in international travel status, approx. 1 day

**includes time in domestic travel status, approx. 2 days

CONTINUATION SHEET

FORM SYMBOL

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

Worksheet Issuance

PAGE 2 OF 3 PAGES

1. Cooperating County
Morocco

2a. Code No.

2b. Effective Date

2c. Original OR Amendment
No. _____

3. Project/Activity No. and Title

Assistance to Higher Agriculture
Education
(Phase II) 608-0134

Indicate block numbers.

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

AID/NE-C-1560 as follows:

(1) Delete the \$6,800 contract amount and the \$6,800 Amount Obligated from the Cover Page of the Contract and replace these amounts with \$9,000.

(2) Delete Article I., Section E., Paragraphs "1". and "3". and replace them with the following paragraphs:

"1. Within three weeks after departing from Morocco the Contractor (Team Leader) shall submit a final report, in English."

"3. One copy of the report shall be suitable for immediate reproduction (xerox) and distribution, and shall be delivered to AID/W/NE/TECH."

(3) Delete the last sentence of ARTICLE II. A. (page 7.) and replace it with the following sentence: "The Contractor's period of service hereunder shall total approximately twenty-six (26) work days, in the Cooperating Country and the United States.

(4) Delete ARTICLE III. (Pages 7-9) in its entirety and replace it with the following:

"ARTICLE III - FIXED PRICE AND THE METHOD OF PAYMENT

A. Upon satisfactory completion of all work and services required in the scope of work and the Contracting Officer's written acceptance of the report, the Contractor shall be paid a fixed price not to exceed \$4,160 for services.

The total fixed price of this contract is \$9,000, including services and Other Direct Costs.

ARTICLE IV - BUDGET

- | | |
|---|----------|
| A. Fixed Price | \$ 4,160 |
| B. Other Direct Costs | |
| 1. Domestic and International Travel (including value of government supplied GTR) | 1,800 |
| 2. Domestic and International Per Diem | 1,270 |

CONTINUATION
SHEETDEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT Worksheet IssuancePAGE 3 OF 3 PAGES

FORM SYMBOL

TITLE OF FORM

1. Cooperating County
MOROCCO

2.a. Code No.

2.b. Effective Date

2.c. Original OR Amendment
No: _____

3. Project/Activity No. and Title

Assistance to Higher Agriculture
Education
(Phase II) 608-0134Indicate block
numbers.

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

ARTICLE IV - BUDGET (Continued)

3. Report Reproduction	\$ 1,200
4. Defense Base Act Insurance	329
5. Miscellaneous (passport, visa, taxis, medical certificate)	241
Total Other Direct Costs	\$ 4,840
TOTAL ESTIMATED PRICE	\$ 9,000

Other Direct Costs listed above are estimates for planning purposes. The Contractor may adjust amounts listed in B. 1-4 above as reasonably necessary to effective and efficient performance of this contract. The Contractor may not exceed the Total Other Direct Costs without prior written authorization from the Contracting Officer.

Total Estimated Price indicates the total dollar funds obligated and available for payment under this contract."

Worksheet

✓

AID 1380-17 (1-78)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country MOROCCO	Page 1 of 3 Pages
		2. PIO/T No. 608-0134 -3-80017	3. <input type="checkbox"/> Original or Amendment No. <u>1</u>
		4. Project/Activity No. and Title Assistance to Higher Agriculture Education (Phase II) 608-0134	
		5. Appropriation Symbol 72-1181021	

DISTRIBUTION	6. Allotment Symbol and Charge 843-50-608-00-69-81
	7. Obligation Status <input type="checkbox"/> Administrative Reservation <input checked="" type="checkbox"/> Implementing Document
	8. Project Assistance Completion Date (Mo., Day, Yr.) 9/30/80
	9. Authorized Agent AID/W
10. This PIO/T is in full conformance with PRO/AG 608-78-002 Date 2/27/78	
11a. Type of Action and Governing AID Handbook <input checked="" type="checkbox"/> AID Contract (HB 14) <input 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) AID/NE-C-1559	

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
			9,511		
	B. U.S.-Owned Local Currency				

13. Mission
References
Ref. RABAT
5495

14a. Instructions to Authorized Agent
I. The original PIO/T made \$9,511 available to fund a FIXED PRICE TECHNICAL SERVICES CONTRACT (NO. AD/NE-C-1559) which provides the services of Dr. Roland R. Renne as leader of a team organized to conduct an evaluation of project No. 608-0134, Assistance to Higher Agricultural Education (Phase II). This amendment reduces the amount available from \$9,511 to \$6,350 since Dr. Renne will serve as a member of the team but not as team leader. The contract amount as amended will be \$6,350.
II. CM/ROD/NE is hereby requested to amend contract No. AID/NE-C-1559 as follows:

14b. Address of Voucher Paying Office
USAID/Rabat

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. 29262	B. The statement of work lies within the purview of the initiating and approved agency programs	Date
<i>L. Clark</i> L. Clark, NE/TECH/AD	Date 10/23/78	<i>G. Lewis</i> G. Lewis, NENA/M	10/23/78
<i>Russell Olson</i> R. Olson, NE/TECH/AD	Date 10/24/78	D. Funds for the services requested are available	
<i>J. Silver</i> J. Silver, NE/AD	Date 10/25/78		
T. Patterson, NE/TECH			

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

William F. Gelabert
Signature **W. F. Gelabert** Date **10/26/78**

Title **Director, NE/TECH**

CONTINUATION SHEET

FORM SYMBOL

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

Worksheet Issuance

PAGE 2 OF 3 PAGES

1. Cooperating County
Morocco

2.a. Code No.

2.b. Effective Date

2.c. Original OR Amendment No. _____

3. Project/Activity No. and Title
Assistance to Higher Agriculture
Education (Phase II) 608-0134

Indicate block numbers.

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

(1) Delete the \$8,500 contract amount and \$8,500 Amount Obligated from the Cover Page of the Contract and replace these amounts with \$6,350.

(2) Delete ARTICLE I., Section E., Paragraphs "1" and "3." and replace them with the following paragraphs:

"1. The Contractor shall assist the Team Leader in preparing a final report to be submitted in English."

"3. The Team Leader shall submit one copy of the report suitable for immediate reproduction (xerox) and distribution to AID/W/NE/TECH within 3 weeks after his departure from Morocco."

(3) Delete the last sentence of ARTICLE II.A. (page 7.) and replace it with the following sentence; "The Contractor's period of service hereunder shall total approximately twenty three and one-half (23-½) work days in the Cooperating Country/ and the United States."

(4) Delete ARTICLE III. (Pages 7-9) in its entirety and replace it with the following:

"ARTICLE III - FIXED PRICE AND THE METHOD OF PAYMENT

A. Upon satisfactory completion of all work and services required in the scope of work and the Contracting Officer's written acceptance of the report, the Contractor shall be paid a fixed price not to exceed \$3,290 for services.

The total fixed price of this contract is \$6,350 including services and Other Direct Costs.

ARTICLE IV - BUDGET

A. Fixed Price	\$ 3,290
B. Other Direct Costs	
1. Domestic and International Travel (including value of government supplied GTR)	1,500
2. Domestic and International Per Diem	1,970

CONTINUATION SHEET

FORM SYMBOL

TITLE OF FORM

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

Worksheet Issuance

PAGE 3 OF 3 PAGES

1. Cooperating Country
MOROCCO

2.a. Code No.

2.b. Effective Date

2.c. Original OR Amendment No.

3. Project/Activity No. and Title
Assistance to Higher Agriculture
Education (Phase II) 608-0134

Indicate block numbers.

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

3. Defense Base Act Insurance 318

4. Miscellaneous (passport, visas, taxis, medical certificate) 272

Total Other Direct Costs \$ 3,060

TOTAL ESTIMATED PRICE \$ 6,350

Other Direct Costs listed above are estimates for planning purposes. The Contractor may adjust amounts listed in B. 1-6 above as reasonably necessary to effective and efficient performance of this contract. The Contractor may not exceed the Total Other Direct Costs without prior written authorization from the Contracting Officer.

Total Estimated Price indicates the total dollar funds obligated and available for payment under this contract."

Worksheet:

AID 1350-1X (1-78)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country Morocco	Page 1 of 1 Pages
		2. PIO/T No. 608-0134-3-80004	3. <input type="checkbox"/> Original or Amendment No. 1
		4. Project/Activity No. and Title Higher Agricultural Education, II	
		5. Appropriation Symbol 72-1181021	

DISTRIBUTION	6. Allotment Symbol and Charge 843-50-608-00-69-81
	7. Obligation Status <input type="checkbox"/> Administrative Reservation <input checked="" type="checkbox"/> Implementing Document

8. Project Assistance Completion Date (Mo, Day, Yr.) 9/30/80	9. Authorized Agent AID/W	10. This PIO/T is in full conformance with PRO/AG 608-78-002 Date 2/27/78
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11a. Type of Action and Governing AID Handbook <input checked="" type="checkbox"/> AID Contract (HB 14) <input 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) AID/NE/C 1279
---	--

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
				500,000	
	B. U.S.-Owned Local Currency				

13. Mission References
Rabat 4350

14a. Instructions to Authorized Agent
This amendment is to amend the Contract No. AID/NE/C 1279 with the University of Minnesota to add the \$130,000 held in original PIO/T, to change the participant training months (PTM) under the contract from 421 PTM to 481 PTM and also to provide authority for subcontracting as approved by USAID.
All other conditions of this PIO/T remain unchanged.

14b. Address of Voucher Paying Office
USAID/Rabat

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 Tom Wilson NE/TECH/AD	Phone No. 29262 Date 8/11/78	B. The statement of work lies within the purview of the initiating and approved agency programs M. Huntington NE/NENA/TM	Date 8/14/78
C. Roo	Date 8/14/78	D. Funds for the services requested are available	
E. 1	Date	S. Singer NE/DP	
F. T. Patterson NE/TECH	Date	I. Allen, NE/DP	

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to Signature _____ Date _____ Title _____	17. For the Agency for International Development Signature W. Gelabert Date _____ Title Director NE/TECH
--	--

Worksheet

ASU 4

AID 1350-1X
(1-78)

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

1. Cooperating Country
Morocco

Page 1 of 2 Pages

PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

2. PIO/T No. - 3 -
608-0134-80004

3. Original or
Amendment No. 3

4. Project/Activity No. and Title
Assistance to Higher Agriculture
Education (Phase II) 608-0134

DISTRIBUTION

5. Appropriation Symbol
72-1181021

6. Allotment Symbol and Charge
843-50-608-00-69-81

7. Obligation Status
 Administrative Reservation Implementing Document

8. Project Assistance Completion Date
(Mo., Day, Yr.) 9/30/80

9. Authorized Agent
AID/W

10. This PIO/T is in full conformance with PRO/AG
608-78-002 Date Ref. RABAT 5495

11a. Type of Action and Governing AID Handbook
 AID Contract (HB 14) PASA/RSSA (HB 12) AID Grant (HB 13) Other

11b. Contract/Grant/PASA/RSSA
Reference Number (if this is an
Amendment)
AID/NE/C 1279

12. Estimated Financing (A detailed budget in support of column (2) is attached as attachment no. N/A)

Maximum AID Financing	A. Dollars	(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
		500,000			43,508
	B. U.S.-Owned Local Currency				

13. Mission
References

RABAT 5495
5642

14a. Instructions to Authorized Agent
1. The original PIO/T makes available \$500,000 for the incremental funding of AID Contract NE/C 1279 which is presently funded in the amount of \$350,000. This amendment provides for the following changes:

A. Deobligation of \$43,508 which will be reobligated for the following purposes:

1. The AID/W issue of three PIO/Ts for conduct of a project evaluation (\$23,508).

2. The future Mission issue of PIO/Ps for Mission funded

14b. Address of Voucher Paying Office

USAID/Rabat

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. 29262	B. The statement of work lies within the purview of the initiating and approved agency program
	Date 9/15/78	
L. Clark, NE/TECH/AD	Date 9/15/78	G. Lewis, NE/IA/M
E. <i>Row</i>	Date 9/15/78	D. Funds for the services requested are available
		I. Allen, NE/D (draft)
R. O. Olson, NE/TECH/AD		
T. Patterson, NE/TECH		

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 *W. F. Gelabert* Date 12-2-78

Title _____

Title Director, NE/TECH

CONTINUATION SHEET

FORM SYMBOL

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

TITLE OF FORM

Worksheet Issuance

PAGE 2 OF 2 PAGES

1. Cooperating County
MOROCCO

2.a. Code No.

2.b. Effective Date
November

2.c. Amendment
 Original OR No: 3

3. Project/Activity No. and Title
Assistance to Higher Agriculture
Education (Phase II) 608-0134

Indicate block numbers.

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

participants (\$20,000).

B. To change the contract funded participant training months (ptm) in the original PIO/T (p 2 Block 19) from 421 ptm to 481 ptm.

II. The above listed deobligation of \$43,508 plus the \$350,000 previously utilized for the funding of AID Contract NE/C 1279 amounts to \$393,508 leaving a balance of \$106,492 for future incremental funding of NE/C 1279.

III. All other conditions of the original PIO/T as amended remain unchanged.

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

1. Cooperating Country
Morocco

2. PIO/T No.
608-134-2-60013

3. Original or
Amendment No. 5

4. Project/Activity No. and Title
6080134 (8)
**Assistance to Higher Agriculture Education -
Phase II 608-0134**

PD-AAA-

DISTRIBUTION

5. Appropriation Symbol
72-11X 1023

6.A. Allotment Symbol and Charge
402-50-608-00-69-61

6.B. Funds Allotted to:
 A.I.D./W Mission

7. Obligation Status
 Administrative Reservation Implementing Document

8. Funding Period (Mo., Day, Yr.)
From 7/1/76 To 10/1/76

9.A. Services to Start (Mo., Day, Yr.)
Between 7/1/76 and 10/1/76

9.B. Completion date of Services
(Mo., Day, Yr.) 10/1/76

10.A. Type of Action
 A.I.D. Contract Cooperating Country Contract Participating Agency Service Agreement Other

10.B. Authorized Agent
AID/W referenced Rabat 3286

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
\$1.00=					
11. Maximum A.I.D. Financing	A. Dollars	--	\$140,000	--	140,000
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References
**Rabat 3286
State 142501
138154**

14. Instructions to Authorized Agent
This PIO/T provides funds for and authorizes AID/W to extend the existing contract AID/AFR-672 from 7/1/76 to 10/1/76.

15. Clearances -- Show Office Symbol, Signature and Date for all necessary Clearances.

A. The specifications in the scope of work are technically adequate
[Signature]
NE/TECH/AGR: TL Wilson

B. Funds for the services requested are available
NE/DP: PSella: 703

C. The scope of work lies within the purview of the initiating and approved Agency Programs
[Signature]
NE/NENA: AFord

D.

E.

F.

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]
David Steinberg

Signature: _____

Title: **Director NE/TECH**

18. Date of Signature
6/22/76

AID 1350-1X (19-70) PIO/T	Cooperating Country	PIO/T No.	Page 2 of 5 Pages
	Morocco	608-134-2-60013	
Project Activity No. and Title			
Assistance to Higher Agriculture Education Phase II 608-0134			

SCOPE OF WORK

19. Scope of Technical Services

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

This PIO/T provides funds to cover costs of transitional services provided to the Hassan II Agronomic Institute by the Univ. of Minnesota under contract

AID/AFR-672

B. Description

As described in PIO/T 608-088-3-00012 dated 12/4/1969; PIO/T 608-088-3-10014 dated 5/25/1971; PIO/T 608-088-3-20012 dated 5/23/1972; PIO/T 608-088-3-30015 dated 5/16/1973; PIO/T 608-088-3-4002 dated 9/27/1973 and PIO/T 608-088-50003 dated 12/9/1974.

C. Technicians

N/A

(1) (a) Number

(b) Specialized Field

(c) Grade and or Salary

(d) Duration of Assignment (in Months)

(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 -

AID 1350-1X (8-70) PIO/T	Cooperating Country	PIO/T No.	Page 3 of 5 Pages
	Morocco Project/Activity No. and Title	608-134-2-60013	
Assistance to Higher Agriculture Education Phase II 608-0134			

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. <u>(1) Quantity</u>	<u>(2) Description</u>	N/A	<u>(3) Estimated Cost</u>	<u>(4) Special Instructions</u>
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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):

AID 188C-1X (8-70) PIO/T	Cooperating Country Morocco	PIO/T No. 608-134-2-60013	Page 4 of 5 Pages
	Project/Activity No. and Title Assistance to Higher Agriculture Education Phase II 608-0134		

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)

N/A

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

This is a transitional period from the old into the new project. Transitional period will include negotiating a new contract.

24. 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

AID (384-1X (8-70))	Cooperating Country Morocco	PIO/T No. 608-134-2-60013	Page 5 of 5 Pages
PIO/T	Project/Activity No. and Title Assistance to Higher Agriculture Education - Phase II 608-0134		

LOGISTIC SUPPORT

25. 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	
	AID	Cooperating Country	AID	Cooperating Country
(1) Office Space				
(2) Office Equipment				
(3) Housing and Utilities				
(4) Furniture				
(5) Household Equipment (Stoves, Refrig., etc.)				
(6) Transportation in Cooperating Country				
(7) Interpreter Services				
Other: (Specify) (8)				
(9)				
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				

B. Additional Facilities Available From Other Sources

608-134-2-60013

C. Comments