

DEPARTMENT OF STATE
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

Copy 3 *SPC*

PD-AAQ-474

APR 26 1976

15N
37795

Dr. Madison Wright
Cornell University
Dept. of Agronomy
Bradfield and Emerson Halls
Ithaca, New York 14853

9310003
81

Subject: Grant AID/ta-G-1308

Dear Dr. Wright:

Pursuant to the authority contained in the Foreign Assistance Act of 1961, as amended, the Agency for International Development (hereinafter referred to as "A.I.D." or "Grantor") hereby grants to Cornell University the sum of \$40,000.00 to organize and sponsor a four-day workshop in Genetic Potentials in Plants for Adaptation to Soil Stress Conditions, as more fully described in the attachment to this Grant entitled "Program Description."

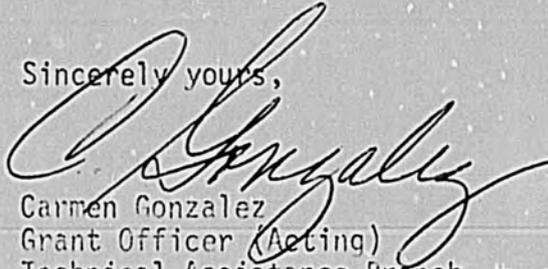
This Grant is effective and obligation is made as of the date of this letter and shall apply to commitments made by the Grantee in furtherance of program objectives during the period March 1, 1976 through May 31, 1977.

This Grant is made to Cornell University on condition that the funds will be administered in accordance with the terms and conditions as set forth in Attachment A entitled "Program Description," and Attachment B entitled "Standard Provisions," which have been agreed to by your organization.

Please sign and return the Statement of Assurance of Compliance, (one (1) copy only), and the original and seven (7) copies of this

letter to acknowledge your acceptance of the conditions under which these funds have been granted.

Sincerely yours,



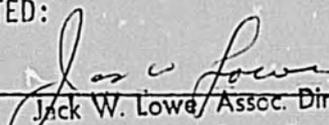
Carmen Gonzalez
Grant Officer (Acting)
Technical Assistance Branch
Central Operations Division
Office of Contract Management

Attachments:

- A. Program Description
- B. Standard Provisions
- C. Payment Provision

ACCEPTED:

BY:



Jack W. Lowe / Assoc. Director

TITLE:

Office of Academic Funding

DATE:

13 May 74

Proposal
for a
Workshop
on
Variety Adaptation to
Soil Mineral Stress Conditions

Department of Agronomy
Cornell University

December 1975

Proposal
for a Workshop on
Variety Adaptation to Soil Mineral Stress Conditions

I. Background

The spectacular recent improvements in crop production have depended on abundant and relatively expensive fossil fuels. Although a large part of the world's population will continue to rely on large inputs of fossil fuel and modern technology for food production, a substantial population in the less developed countries will continue to depend on food produced with little or no inputs because of economic, geographic, social, and political constraints. Hence, there is some urgency in exploring possibilities of increasing crop production in the less developed countries and especially among poor farmers by using a minimum of high cost inputs.

The genetic tailoring of plants for fertilizer use efficiency and adaptation to mineral stress conditions in problem soils offers a promising approach to reduce energy input into crop production and at the same time reduce chemical pollution of the environment. Present crop varieties are largely the results of selecting for yield and crop quality in the presence of various disease, insect, and climatic factors. Little attention has been given to the development of crop varieties which would produce well under less than favorable soil fertility conditions. It has been generally assumed that most soil fertility problems could be corrected by the addition of lime and fertilizer in order to obtain optimum yields. The high cost of these inputs and their unavailability to a large segment of the farm population in LDCs invalidates this assumption considerably. Some soil fertility problems are not economically correctable with present technology even where amendments are available at moderate cost. For example, aluminum and/or manganese toxicity common in acid subsoils can only be corrected at present by liming at high cost. There are many millions of hectares of otherwise potentially productive crop land in the tropics which is not now cultivated because of the acid subsoil problem. Recent evidence indicates that it is feasible to develop varieties of crops through plant breeding procedures which will produce well under acid subsoil conditions.

The plant breeding approach offers a tremendous potential for reducing mineral stress constraints in crop production on acid, neutral, and alkaline soils. For many extensive areas it may be more feasible and economical to fit the plant to the soil rather than try to modify the soil to fit the plant. Evidence is accumulating that there is wide varietal variance in crop species with respect to tolerance to unfavorable acid or alkaline conditions and to efficiency in utilization of available soil nutrients. The current energy crisis, the world food problem, and the unavailability of high cost inputs to so many farmers in LDCs provide incentives to give greater attention to the plant breeding approach to soil management problems involving mineral stresses. Development of tolerant

4

and more nutrient efficient plant varieties offer much promise for helping resolve these problems.

II. Objectives of the Workshop

The proposed workshop would bring together the most knowledgeable group of international soil and plant scientists involved in research in soil mineral stress-plant genotype relationships. Soil and plant scientists from LDCs who have shown interest and capability in this area will be invited to participate in order to stimulate research in the LDCs in the subject.

The output resulting from the workshop will be:

1. A document to provide an evaluation of our present state of knowledge of crop variety adaptation to mineral stress conditions in soils;
2. Recommendations for priority areas of research to fill knowledge gaps identified in item 1. above;
3. Projection of potential in LDCs for increasing crop production by plant variety adaptation to soils with mineral stress problems;
4. Promote international collaboration of soil and plant scientists in exploiting the genetic potential of crops for adaptation to problem soils.

III. Work Plan

Cornell University, through its Departments of Agronomy and Plant Breeding, proposes to sponsor about a three-day workshop in collaboration with the Plant Stress Laboratory of the U.S. Department of Agriculture which has agreed to host the workshop at its laboratory in Beltsville, Maryland in November 1976. A joint organizing committee would be formed of representatives of Cornell University and the USDA Plant Stress Laboratory to develop the details of the workshop including selection of speakers, discussants, and observers. About 15 or 20 international scientists most knowledgeable of the subject would be invited as speakers and discussants and an additional 10 or 15 scientists invited to participate in the discussions or come as observers. Special effort will be made to identify interested leaders in soil science and plant breeding in the LDCs whose participation in the workshop would be highly desirable.

Participants would include (1) active scientists with experience and knowledge of the subject, (2) those who are knowledgeable about the subject and would be interested in utilizing the information generated, and (3) those who have shown an interest in becoming involved in the subject.

The following major topics are proposed for the workshop:

1. Overview of Soil Stress Conditions in LDCs
2. Root Environment and Ion Uptake Related to Mineral Toxicities and Deficiencies

3. Genetic Approaches to Variety Adaptation to Soil Mineral Stress Conditions

4. Screening Techniques for Selection of Varieties Adapted to Stress Conditions

5. Promising Areas for Future Research

IV. Additional Specific Details of Project

A. Funds provided herein will be used for participant's travel and per diem, organizational and administrative expenses and publication of the workshop's proceedings. Budget is attached.

B. The workshop brings together a group of international scientists to:

1. Determine the state-of-the-art of the subject;
2. Identify new research areas;
3. Project the worldwide potentials of genetic selection of crop plants for problem soils; and,
4. Promote international collaboration between soil and plant scientists in exploiting the subject.

C. Cornell University through its Departments of Agronomy and Plant Breeding will organize and sponsor the proposed workshop in cooperation with the U.S. Department of Agriculture through its Plant Stress Laboratory. Details on the proposed workshop are as follows:

1. The workshop will be held at the USDA Plant Stress Laboratory, Beltsville, Maryland during November 1976 and will last approximately four days.

2. A total of approximately 35 participants will be invited to the workshop. Participants will include: (a) active scientists with experience and knowledge on the subject; (b) individuals who are knowledgeable about the extent of the problem and can utilize the information generated; and (c) individuals who have an interest in becoming involved in the subject. Twenty (20) of the total 35 participants will be invited as scheduled speakers and/or discussants and will be the most knowledgeable scientists on the subject. The fifteen (15) remaining participants will be invited to participate in discussions or act as observers. Special effort will be made to identify and invite leaders in soil science and plant breeding from LDCs.

3. Participants will be selected with the assistance of AID Regional Bureaus and Missions, FAO and international institutes when appropriate and feasible. FAO and the international institutes may

provide travel grants for some participants.

4. The three and one half day program for the workshop is as follows:

FIRST DAY

a.m. a. Statement of the Problem and Overview of Current Status.

b. Soil Regions of LDCs with Plant Stress Problems.

1) Latin America

2) Africa

3) Asia

p.m. c. Plant Tolerance to Soil Toxicities

1) Acid soils

2) Alkaline soils

3) Saline soils.

SECOND DAY

a.m. d. Differential Capacities of Plant Species and Varieties to Utilize Soil Nutrients.

1) Nitrogen and Phosphorus

2) Calcium, Magnesium and Sulfur

3) Micronutrients

p.m. e. Genetic Potential for Solving Problems of Mineral Stress

1) Selections and Screening Techniques

2) Approaches to Genetic Manipulation

3) Phased Testing Procedures.

THIRD DAY

a.m. f. Demonstration of Techniques and Exhibits

p.m. g. Discussion of Major Topics of Previous Sessions

FOURTH DAY

a.m. h. Promising Areas for Future Research - Presentation and Discussion

V. Illustrative Budget (overall and including the funds provided by this Grant).

Proposed Budget

AID

Travel and per diem	
Foreign participants (15)	\$17,000
U.S. participants (20)	6,000
Pre-Workshop Expenses - Travel, secretarial assistance, communications, etc.	2,000
Workshop Expenses - Secretarial, copying, etc.	1,000
Publication of Proceedings	
Editorial and Secretarial	4,000
Printing and Distribution of Proceedings	<u>10,000</u>
AID Total	\$40,000
<u>Other Contributors</u>	
Cornell University	\$ 6,000
USDA	10,000
Other U.S. Universities	7,500
Other Organizations (TVA, FAO, CSIRA, CIAT, EMBRATA)	<u>4,500</u>
Total	\$31,500
Grand Total	\$71,500

VI. Reports

A. Cornell University will be responsible for recording the proceedings of the workshop and for preparing, in consultation with AID, and publishing these proceedings in monograph or book form with conventional, including mechanical, binding and with good quality printed covers and paper. For this purpose, the grantee will name an experienced person to be the editor of the proceedings.

B. The editor will establish criteria for the form and format of the publication and for the papers that may be contributed to it, including their length and style. He will set and maintain deadlines, to insure that final publication will occur not later than six months after the workshop ends. He will also be responsible for preparing any workshop plenary statements or summaries generated, the preparation of appropriate forward and back-matter, for copy-editing, and for arranging for printing, binding, and dissemination of the publication.

8

C. Five-hundred copies of the printed proceedings will be for AID use. The grantee will disseminate these to USAID Missions, LDC development, research and academic institutions, and others as directed by AID. AID will assist the grantee to develop a comprehensive distribution list for this purpose. The distribution list should be ready by October, 1976.

D. Liaison and coordination with the grantee regarding this publication project will be through AID/s offices of TA/AGR and TA/PPU/EUI.

STANDARD PROVISIONS

a. Allowable Costs and Payment (Oct. 1974)

The Grantee shall be reimbursed for costs incurred in carrying out the purposes of this Grant which are determined by the Grant Officer to be allowable in accordance with the terms of this Grant and Subpart 15.2 of the Federal Procurement Regulations (FPR) (Principles and Procedures for use in Cost Reimbursement Type Supply and Research Contracts with Commercial Organizations)* in effect on the date of this Grant. Payment of allowable costs shall be in accordance with Attachment C of this Grant.

[*If this Grant is made to a university, the applicable cost principles are "Federal Management Circular, 73-8 (Cost Principles for Educational Institutions)" instead of Subpart 15.2 of the FPR as cited above]

b. Accounting, Records, and Audit (Oct. 1974)

The Grantee shall maintain books, records, documents, and other evidence in accordance with the Grantee's usual accounting procedures to sufficiently substantiate charges to the grant. The Grantee shall preserve and make available such records for examination and audit by AID and the Comptroller General of the United States, or their authorized representatives (1) until the expiration of three years from the date of termination of the program and (2) for such longer period, if any, as is required to complete an audit and to resolve all questions concerning expenditures unless written approval has been obtained from the AID Grant Officer to dispose of the records. AID follows generally accepted auditing practices in determining that there is proper accounting and use of grant funds. The Grantee agrees to include the requirements of this clause in any subordinate agreement hereunder.

c. Refunds (Oct. 1974)

(1) If use of the Grant funds results in accrual of interest to the Grantee or to any other person to whom Grantee makes such funds available in carrying out the purposes of this Grant, Grantee shall refund to AID an amount equivalent to the amount of interest accrued.

(2) Funds obligated hereunder but not disbursed to the Grantee at the time the grant expires or is terminated, shall revert to AID, except for funds encumbered by the Grantee by a legally binding transaction applicable to this Grant. Any funds disbursed to but not expended by the Grantee at the time of expiration or termination of the Grant shall be refunded to AID.

11

(3) If, at any time during the life of the Grant, it is determined by AID that funds provided under the Grant have been expended for purposes not in accordance with the terms of the Grant, the Grantee shall refund such amounts to AID.

d. Equal Opportunity Employment (Oct. 1974)

With regard to the employment of persons in the U.S. under this Grant, Grantee agrees to take all reasonable steps to ensure equality of opportunity in its employment practices without regard to race, religion, sex, color or national origin of such persons and that; in accordance with Title VI of the Civil Rights Act of 1964, when work funded by this Grant is performed in the U.S. no person shall, on the grounds of race, religion, sex, color or national origin, be excluded from participation, be denied benefits, or be subjected to discrimination. In addition, the Grantee agrees to comply in accordance with its written assurance of compliance, with the provisions of Part 209 of Chapter II, Title 22 of the Code of Federal Regulations, entitled "Non-Discrimination in Federally Assisted Programs of the Agency for International Development - Effectuation of Title VI of the Civil Rights Act of 1964."

e. Termination (Oct. 1974)

This Grant may be terminated at any time, in whole or in part, by the Grant Officer upon written notice to the Grantee, whenever for any reason he shall determine that such termination is in the best interest of the Government. Upon receipt of and in accordance with such notice, the Grantee shall forthwith take immediate action to minimize all expenditures and obligations financed by this Grant, and shall cancel such unliquidated obligations whenever possible. Except as provided below, no further reimbursement shall be made after the effective date of termination, and the Grantee shall within thirty (30) calendar days after the effective date of such termination repay to the Grantor all unexpended portions of funds theretofore paid by the Grantor to the Grantee which are not otherwise obligated by a legally binding transaction applicable to this Grant. Should the funds paid by the Grantor to the Grantee prior to the effective date of this termination of this Grant, be insufficient to cover the Grantee's obligations pursuant to the aforementioned legally binding transaction, the Grantee may submit to the Grantor within (90) calendar days after the effective date of such termination a written claim covering such obligations, and, subject to the limitations contained in the Grant, the Grant Officer shall determine the amount or amounts to be paid by the Grantor to the Grantee under such claim.

f. Officials Not to Benefit (Oct. 1974)

No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this Grant or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this Grant if made with a corporation for its general benefit.

g. Covenant Against Contingent Fee (Oct. 1974)

The Grantee warrants that no person or selling agency has been employed or retained to solicit or secure this Grant upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee except bona fide employees or bona fide established commercial or selling agencies maintained by the Grantee for the purpose of securing business. For breach or violation of this warranty, AID shall have the right to cancel this Grant without liability or, in its discretion, to deduct from the Grant amount, or otherwise recover, the full amount of each commission, percentage, brokerage, or contingent fee.

h. Nonliability (Oct. 1974)

AID does not assume liability with respect to any claims for damages arising out of work supported by its grants.

i. Amendment (Oct. 1974)

The Grant Agreement may be amended by formal modifications to the basic grant document or by means of an exchange of letters between the AID Grant Officer and an appropriate official of the Grantee.

j. Grant Agreement (Oct. 1974)

The letter to the Grantee signed by the Grant Officer, the Program Description and the Standard Provisions which have been reviewed and agreed to by the Grantee, constitute the Grant Agreement.

k. Notices (Oct. 1974)

Any notice given by any of the parties hereunder, shall be sufficient only if in writing and delivered in person or sent by telegraph, cable, registered or regular mail as follows:

To the cognizant AID Grant Officer

To Grantee - At Grantee's address shown in this Grant, or to such other address as either party shall designate by notice given as herein required. Notices hereunder, shall be effective when delivered in accordance with this clause or on the effective date of the notice, whichever is later.

1. Travel and Transportation (Oct. 1974)

(1) The Grant Officer hereby approves international travel hereunder provided that the Grantee shall obtain written concurrence from the cognizant technical office in AID prior to sending any individual outside the United States to perform work under the Grant. For this purpose the Grantee shall advise the Project Manager at least thirty (30) days in advance of any travel to be undertaken outside the United States. After concurrence is received the Grantee shall provide the cognizant USAID Mission or U.S. Embassy advance notification with a copy to the project officer of the arrival date and flight identification of Grant financed travellers.

(2) Travel to certain countries shall, at AID's option, be funded from U.S.-owned local currency. When AID intends to exercise this option, it will so notify the Grantee after receipt of advice of intent to travel required above. AID will issue a Government Transportation Request (GTR) which the Grantee may exchange for tickets, or AID will issue the tickets directly. Use of such U.S.-owned currencies will constitute a dollar charge to this grant.

(3) The Grantee agrees to travel by the most direct and expeditious route, and to use less than first class transportation unless such use will result in unreasonable delay or increased costs.

(a) All international air travel under this Grant shall be made on United States flag carriers. Exceptions to this rule will be allowed in the following situations provided that the Grantee certifies to the facts in the voucher or other documents retained as part of his Grant records to support his claim for reimbursement and for post audit:

1. Where a flight by a United States carrier is scheduled but does not have accommodations available when reservations are sought;

2. Where the departure time, routing, or other features of a United States carrier would interfere with or prevent the satisfactory performance of official business;

3. Where a scheduled flight by a United States carrier is delayed because of weather, mechanical, or other conditions to such an extent that use of a non-United States carrier is in the Government's interest;

Travel and Transportation - Page 2 of 2

4. Where the appropriate class of accommodations is available on both United States and non-United States carriers, but the use of the United States carrier will result in higher total United States dollar cost to the grant due to additional per diem or other expenses; and

5. Where the appropriate class of accommodations is available only on a non-United States carrier and the cost of transportation and related per diem on the non-U.S. carrier is less than the cost of available accommodations of another class on a United States carrier and related per diem.

(b) All international air shipments under this grant shall be made on United States flag carriers unless shipment would, in the judgment of the Grantee, be delayed an unreasonable time awaiting a United States carrier either at point of origin or transshipment, provided that the Grantee certifies to the facts in the vouchers or other documents retained as part of the Grant records to support his claim for reimbursement and for post audit.

(4) Travel allowances shall be reimbursed in accordance with the Federal Travel Regulations (FTR).

14

m. Ineligible Countries (Oct. 1974)

Unless otherwise approved by the Grant Officer, no grant funds will be expended in countries ineligible for assistance under the Foreign Assistance Act of 1961, as amended, or under acts appropriating funds for foreign assistance.

n.

Subordinate Agreements (Oct. 1974)

The placement of subordinate agreements (e.g., leases, options, etc.), grants, or contracts with other organizations, firms or institutions and the provisions of such subordinate agreements are subject to prior written consent of the Grant Officer if they will be funded hereunder. In no event shall any such subordinate agreement, grant, or contract be on a cost-plus-a-percentage-of-cost basis. Subordinate contractors (including suppliers) shall be selected on a competitive basis to the maximum practicable extent consistent with the obligations and requirements of this Grant.

o. . . Publications (Oct. 1974)

(1) If it is the Grantee's intention to identify AID's contribution to any publication resulting from this Grant, the Grantee shall consult with AID on the nature of the acknowledgement prior to publication.

(2) The Grantee shall provide the Project Manager with one copy of all published works developed under the Grant. The Grantee shall provide the Project Manager with lists of other written work produced under the Grant.

(3) In the event grant funds are used to underwrite the cost of publishing, in lieu of the publisher assuming this cost as is the normal practice, any profits or royalties up to the amount of such cost shall be credited to the Grant.

(4) The Grantee is permitted to secure copyright to any publication produced or composed under the Grant. Provided, the Grantee agrees to and does hereby grant to the Government a royalty-free, non-exclusive and irrevocable license throughout the world to use, duplicate, disclose, or dispose of such publications in any manner and for any purpose and to permit others to do so.

p. Patents (Oct. 1974)

(1) Grantee agrees to notify the Grant Officer, in writing, of any invention or discovery conceived or first actually reduced to practice in the course of or under this Grant. The Grant Officer will determine the patent rights to be afforded the Grantee in accordance with the Presidential Memorandum and Statement of Government Patent Policy 36 FR 16887.

(2) Nothing contained in this clause shall imply a license to the Government under any patent or be construed as affecting the scope of any license or other right otherwise granted to the Government under any patent.

[Handwritten signature]
18

q. Procurement of Equipment, Vehicles, Supplies, Materials, and Services (Oct. 1974)

(1) Except as may be specifically approved or directed in advance by the Grant Officer, or as provided in paragraphs (2), (3), and (4) below, all equipment, vehicles, materials, supplies and services the costs of which are to be attributed to this Grant and which will be financed with United States dollars shall be purchased in and shipped from the United States. In addition, for any U.S. purchase transaction in excess of \$2,500 the Grantee shall notify the seller that the item(s) must be of U.S. source and production and comply with the componentry limitations and other requirements applicable to suppliers under AID Regulation 1, and that the supplier must execute and furnish Form AID-282 "Suppliers Certificate and Agreement with the Agency for International Development".

(2) Exceptions to the foregoing are as follows (for Title X Grants only):

Grantee may permit a subgrantee (or the Grantee on his behalf) to procure commodities already in its country (with the exception of contraceptives, drug products, pharmaceuticals, and motor vehicles) in an amount not exceeding a total cost of \$5,000 per subgrantee per annum without regard to limitations, rules and procedures applicable to commodity transactions financed by AID. Such commodities shall not be considered "Already in its country" within the meaning of the aforementioned exception if the commodities have been imported or otherwise brought into the country at the request of the Grantee or subgrantee. A subgrantee's own country for this purpose shall in no event include any of the following: Australia, Austria, Belgium, Canada, Denmark, France, Germany, Spain, Italy, Japan, Luxembourg, Monaco, Netherlands, New Zealand, Norway, South Africa, Sweden, Switzerland, and United Kingdom. The Grantee shall take all reasonable precautions to ensure that the subgrantee does not procure any commodity which has as its country of origin any of the following countries: Albania, Bulgaria, China (Mainland and other Communist-controlled areas), including Manchuria, Inner Mongolia, the provinces of Tsinghai and Sikang, Sinkiang, Tibet, and former Kwantung Leased Territory, the present Port Arthur Naval Base Areas, and Liaoning Province, Cuba, German Democratic Republic, Hungary, North Korea, North Vietnam, Outer Mongolia, Poland, Rumania, and the Union of Soviet Socialist Republics.

(3) Printed or audio visual teaching materials may, to the extent necessary, be purchased outside the United States when:

(a) Effective use of the materials depend on their being in the local language, and

(b) Other funds including U.S. owned and controlled local currencies are not readily available for procurement of such material.

The order of preference as to countries in which such purchases outside the United States are made shall be:

1. The AID receiving country
2. Countries falling within AID Geographic Code 901
3. Other Countries falling within AID Geographic Code 899

AID Geographic Codes are defined in AIDPR 7-6.5201.1.

(4) Procurements in the country in which an activity is being undertaken and which are less than \$2,500 and are for materials (regularly available and normally sold on the local market) which are to be consumed or expended during the period of this Grant, are exempt from the conditions of Paragraph 1 above, provided that the origin of such materials and supplies and the component parts thereof is a free world country as described in AID Geographic Code 935.

(5) All international air shipments made by the Grantee, to be financed hereunder, shall be made on U.S. flag carriers unless shipment would, in the judgement of the Grantee, be delayed an unreasonable time awaiting a U.S. carrier, either at the point of origin or transshipment, provided that the Grantee certifies to the facts in the documents retained as part of his Grant records for post audit by AID. All international ocean shipment made by the Grantee, to be financed hereunder, shall be made on U.S. flag vessels. Where U.S. flag vessels are not available, or their use would result in a significant delay, the Grantee may obtain a release from this requirement from the Transportation Support Division, Office of Commodity Management, AID, Washington, D.C. 20523, as appropriate, giving the basis for the request.

(6) The Grantee shall obtain competition to the maximum extent possible for any procurement to be financed hereunder. Procurement by the Grantee without consideration of more than one source must be approved by the Grant Officer. In no event will any procurement be on a cost-plus-a-percentage of cost basis. The Grantee shall take all reasonable steps necessary to insure that subgrantees procuring in accordance with Paragraph (2) obtain competition to the maximum extent possible. In addition to the foregoing, for purchases made in the United States the cost of which are to be attributed to this Grant, the Grantee shall comply with the following requirements:

Procurement of Equipment, Etc. - Page 3 of 3

To permit AID, in accordance with the Small Business Provisions of the Mutual Security Act, to give United States Small Business firms an opportunity to participate in supplying commodities and services procured under this Grant, the Grantee, shall, to the maximum extent possible, provide the following information to the Office of Small Business, AID, Washington, D.C. 20523 at least 45 days prior to placing any order or contract in excess of Five Thousand (\$5,000) Dollars, except where a shorter time is requested of, and granted by the Office of Small Business:

- (a) Brief general description and quantity of commodities or services;
- (b) Closing date for receiving quotations or bids;
- (c) Address where invitations or specifications may be obtained.

(7) Funds provided under this Grant shall not be used to procure any commodity or commodity-related services furnished by any supplier whose name appears on the List of Ineligible Suppliers under AID Regulation 8, "Suppliers of Commodities and Commodity-Related Services Ineligible for AID Financing", Grantee agrees to review said list prior to undertaking any procurement the cost of which is to be attributed to this Grant. AID will provide Grantee with this list.

r. Title to and Use of Property (Grantee) (Oct. 1974)

Title to all property financed under this Grant shall vest in the Grantee, subject to the following conditions:

(1) The Grantee shall not, under any Government contract or subcontract thereunder, or any Government grant, charge for any depreciation, amortization, or use of any property title to which remains in the Grantee under this clause.

(2) The Grantee agrees to use and maintain the property for the purpose of the grant.

(3) With respect to items having an acquisition cost of \$1,000 or more, title to which vests in the Grantee, the Grantee agrees:

(a) to report such items to the Grant Officer from time to time as they are acquired and to maintain a control system which will permit their ready identification and location.

(b) to transfer title to any such items to the Government in accordance with any written request therefor issued by the Grant Officer at any time prior to final payment under the Grant.

3

Title to and Care of Property (U.S. Government) (Oct. 1974)

Property, title to which vests in the Government under this Grant, whether furnished by the Government or acquired by the Grantee, is subject to the provisions of this clause and is hereinafter collectively referred to as "Government property." Title to Government property shall not be affected by the incorporation or attachment thereof to any property not owned by the Government, nor shall such Government property, or any part thereof, be or become a fixture or lose its identity as personalty by reason of affixation to any realty.

(1) Use of Government Property

The Government property shall, unless otherwise provided herein or approved by the Grant Officer, be used only for the performance of this Grant.

(2) Maintenance and Repair of Government Property

The Grantee shall maintain and administer in accordance with sound business practice a program for the maintenance, repair, protection, and preservation of Government property so as to assure its full availability and usefulness for the performance of this Grant. The Grantee shall take all reasonable steps to comply with all appropriate directions or instructions which the Grant Officer may prescribe as reasonably necessary for the protection of the Government property.

The Grantee shall submit, for review and written approval of the Grant Officer, a records system for property control and a program for orderly maintenance of Government property.

(3) Property Control

The property control system shall include but not be limited to the following:

(a) Identification of each item of Government property acquired or furnished under the Grant by a serially controlled identification number and by description of item. Each item must be clearly marked "Property of U.S. Government."

(b) The price of each item of property acquired or furnished under the Grant.

(c) The location of each item of property acquired or furnished under the Grant.

(d) A record of any usable components which are permanently removed from items of Government property as a result of modification or otherwise.

(e) A record of disposition of each item acquired or furnished under the Grant.

(f) Date of order and receipt of any item acquired or furnished under the Grant.

The official property control records shall be kept in such condition that at any stage of completion of the work under this Grant, the status of property acquired or furnished under this Grant may be readily ascertained. A report of current status of all items of property acquired or furnished under the Grant shall be submitted yearly concurrently with the annual report.

(4) Maintenance Program

The Grantee's maintenance program shall be such as to provide for, consistent with sound industrial practice and the terms of the Grant: (i) disclosure of need for and the performance of preventive maintenance, (ii) disclosure and reporting of need for capital type rehabilitation, and (iii) recording of work accomplished under the program.

(a) Preventive maintenance - Preventive maintenance is maintenance generally performed on a regularly scheduled basis to prevent the occurrence of defects and to detect and correct minor defects before they result in serious consequences.

(b) Records of maintenance - The Grantee's maintenance program shall provide for records sufficient to disclose the maintenance actions performed and deficiencies discovered as a result of inspections.

A report of status of maintenance of Government property shall be submitted annually concurrently with the annual report.

(5) Risk of Loss

Unless otherwise provided in this Grant, the Grantee assumes the risk of, and shall be responsible for, any loss of or damage to Government property provided under this Grant upon its delivery to him or upon passage of title thereto to the U.S. Government, except for reasonable wear and tear and except to the extent that such property is consumed in the performance of this Grant.

(6) Access

The Government, and any persons designated by it, shall at all reasonable times have access to the premises wherein any Government property is located, for the purpose of inspecting the Government property.

(7) Final Accounting and Disposition of Government Property

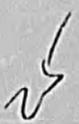
Upon completion of this Grant, or at such earlier dates as may be fixed by the Grant Officer, the Grantee shall submit, in a form acceptable to the Grant Officer, inventory schedules covering all items of Government property not consumed in the performance of this Grant or not theretofore delivered to the Government, and shall prepare, deliver, or make such other disposal of the Government property, as may be directed or authorized by the Grant Officer.

(8) Communications

All communications issued pursuant to this clause shall be in writing.

(9) Government Furnished Excess Personal Property

When Government furnished excess personal property is provided under a grant, the appropriate provisions of the Federal Property Management Regulations, Part 101-43, shall be included.



s. Salaries (Oct. 1974)

All salaries, wages, fees, and stipends reimbursed under this Grant shall be in accordance with the Grantee's policy and practice as reviewed and approved by the Grant Officer. In the absence of an approved policy the Grantee shall follow the regulations contained in Section 7-15.205-6 of the Agency for International Development Procurement Regulations.

PAYMENT PROVISIONPeriodic Grant Disbursement

Each month, or at less frequent intervals as agreed upon in advance, Grantee will submit to the Office of Financial Management, FM/CSD, AID, Washington, D.C. 20523 Voucher Form SF 1034 (original) and SF 1034-A, three copies, each voucher identified by the appropriate grant number, in the amount of estimated cash needs for the following month. The voucher shall be supported by an original and two copies of a report rendered as follows:

Amount of Grant	\$xxx
Expended to date	\$xxx
Expended this period (by line item as set forth in budget)	
1.	\$xxx
2.	\$xxx
3.	\$xxx
etc.	
TOTAL THIS PERIOD	\$xxx
Advances outstanding to subgrantees (if any)	\$xxx
Anticipated expenditures next month (dates)	\$xxx
Cash received to date	\$xxx
Cash required next month	\$xxx

The report shall include a certification as follows:

"The undersigned hereby certifies: (1) that the above represents the best estimates of funds needed for expenditures to be incurred over the period described, (2) that appropriate refund or credit to the grant will be made in the event funds are not expended, (3) that appropriate refund will be made in the event of disallowance in accordance with the terms of this grant and (4) that any interest accrued on the funds made available herein will be refunded to AID.

BY _____
 Jack W. Lowe, Assoc Director
 TITLE Office of Academic Funding