

G. Baird, TA/  
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C. Gonzalez

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

87 DEC 1974

Mr. Jacques Diouf  
Executive Secretary  
West Africa Rice Development Association  
E. J. Rye Memorial Building  
P. O. Box 1019  
Monrovia, Liberia

Subject: Grant No. AID/ta-G-1182  
PIO/T 931-11-110-044-73-3158614

Dear Mr. Diouf:

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." and/or "the Grantor"), hereby grants to the West Africa Rice Development Association (hereinafter referred to as "WARDA" and/or "the Grantee"), the sum of One Hundred Twenty Thousand Dollars (\$120,000) in support of its program to make West Africa self sufficient in rice and in promoting cooperation between developing countries in West Africa in the production of rice which is an important feed crop in such countries.

The funds contributed under this grant, along with contributions from other specified donors, will enable WARDA to assemble a highly trained senior and supporting staff to conduct research and training in connection with the project identified as the "W-1" project which consists of coordinated trials at a large number of locations for testing varietal improvement, soil fertility practices, fertilizer use, and other cultural rice practices including control measures against weeds, diseases and insects.

ORIGINAL

FUNDS OBLIGATED  
"Page 2"

This grant is effective as of the date of this letter and shall continue in effect through December 31, 1975. Funds granted hereunder shall apply to specified costs incurred during the period January 1 through December 31, 1975.

The sum of the grant represents A.I.D.'s commitment to support the Grantee in an amount which represents up to 25% of the W-1 Project part of the core research budget of WARDA's overall budget. Funds so provided may be used only for such specified purpose. This grant is made on condition that WARDA shall carry out the activities as are more fully described in the Program Description (Attachment I) and shall administer the funds in accordance with the W-1 budget (Attachment II) and the terms and conditions hereof (Attachment III).

Please sign the Statement of Assurance of Compliance (one copy only) and the original and all copies of this letter in the space provided below to acknowledge your understanding of the conditions under which these funds have been granted. The Statement of Assurance of Compliance and the original and five copies of the letter and accompanying attachments are to be returned to my office. You may retain two copies of the letter with attachments.

Sincerely yours,

V. C. Perelli  
Grant Officer  
Technical Assistance Branch  
Central Operations Division  
Office of Contract Management

FUNDS OBLIGATED	
Approp. No.	72-11X10 23
Allot. No.	40231 099-00 20-51
Obl. No.	3158414-001. CI. 254
Amount \$	120,000.00
Proj. No.	931-11-110-044-73
By	PW/CSD
Date	12/31/74

Attachments:

Statement of Assurance of Compliance

- I. Program Description
- II. Budget
- III. Terms and Conditions (including Appendix "A")

ACKNOWLEDGED:

WEST AFRICA RICE DEVELOPMENT ASSOCIATION

BY: 

PRINTED NAME: J. DIOUF

TITLE: Executive Secretary

DATE: 2 FEB 1975

ASSURANCE OF COMPLIANCE WITH THE AGENCY FOR  
INTERNATIONAL DEVELOPMENT REGULATION UNDER TITLE VI  
OF THE CIVIL RIGHTS ACT OF 1964

WEST AFRICA RICE  
DEVELOPMENT ASSOCIATION

(hereinafter called the "Grantee")

(Name of Grantee)

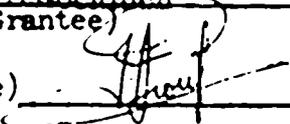
HEREBY AGREES THAT it will comply with title VI of the Civil Rights Act of 1964 (F L. 88-352) and all requirements imposed by or pursuant to the Regulation of the Agency for International Development (22 CFR Part 209, 30 FR 317) issued pursuant to that title, to the end that, in accordance with title VI of that Act and the Regulation, no person in the United States shall, on the ground of race, color, religion, sex or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under and program or activity for which the Grantee receives Federal financial assistance from the Agency; and HEREBY GIVES ASSURANCE THAT it will immediately take any measures necessary to effectuate this agreement.

If any real property or structure thereon is provided or improved with the aid of Federal financial assistance extended to the Grantee by the Agency, this assurance shall obligate the Grantee, or in the case of any transfer of such property, any transferee, for the period during which the real property or structure is used for a purpose for which the Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits. If any personal property is so provided, this assurance shall obligate the Grantee for the period during which it retains ownership or possession of the property. In all other cases, this assurance shall obligate the Grantee for the period during which the Federal financial assistance is extended to it by the Agency.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts, property, discounts or other Federal financial assistance extended after the date hereof to the Grantee by the Agency, including installment payments after such date on account of applications for Federal financial assistance which were approved before such date. The Grantee recognizes and agrees that such Federal financial assistance will be extended in reliance on the representations and agreements made in this assurance, and that the United States shall have the right to seek judicial enforcement of this assurance. This assurance is binding on the Grantee, its successors, transferees, and assignees, and the person or persons whose signatures appear below are authorized to sign this assurance on behalf of the Grantee.

West Africa Rice Development

Association  
(Grantee)

BY (Signature) 

TYPED NAME S. DIOUF

TITLE Executive Secretary

DATE - 3 FEB 1975

West Africa Rice Development Association (WARDA)

Program Description

January 1, 1975 through December 31, 1975

Project Objectives

WARDA is an inter-governmental regional organization with the primary aim of making West Africa self-sufficient in rice. Its members are: Dahomey, Gambia, Ghana, Ivory Coast, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, Togo and Upper Volta. The Constitution of the Association was adopted in Dakar, Senegal in 1970, but the Association started to function at its headquarters in Monrovia, Liberia on 1 December, 1971.

The member countries contribute the administrative budget of WARDA, while the cooperating countries and organizations, namely France, The Netherlands, United Kingdom, United States (USAID), Canada, Belgium, Ford Foundation, UNDP and the Consultative Group on International Agricultural Research (CGIAR) finance the research and development projects.

Two types of research are undertaken by the Association. They are:

- a. Coordinated Trials at a network of locations in West Africa with the aim of establishing a direct impact on rice development in the region (Project W1)\*
- b. Special Research Projects to reinforce existing research activities and for filling gaps in rice research in the member countries. This is back-stopped by available knowledge and experience at the international level (Projects W2, W3, and W4).

\*CGIAR and AID support only the Coordinated Trials (Project W1).

Projected Activities and CY 1974 Accomplishments

Research Coordination:

The Coordinating centers for WARDA's research activities is at its headquarters in Monrovia. Effective linkages with the International Institutes, a strong coordination of on-going research at the National Research Center of member countries and a large number of well designed coordinated trials are of paramount importance for increasing rice production in West Africa. In this respect, it should be realized that many research stations in the region are poorly staffed and equipped, and that national boundaries quite often limit the free flow of information, experience, experimental results and breeding material. It is WARDA's task to overcome these hurdles and to make maximum use of existing manpower and facilities in the region. The planning of assistance in staff, equipment and facilities with regards to the existing organizations in the region has been done in such a way as to avoid duplication of effort with maximum returns. As such, maximum use will be made of the infrastructure available at certain major centers like IITA, Bouake (Ivory Coast), Richard Toll (Senegal), Mopti (Mali) and Rokupr (Sierra Leone).

A special committee called the Steering Committee was set up at the instance of the CGIAR to ensure efficient management of WARDA's Coordinated Trials - Project W1. Its membership comprises IRAT, IRRI, IITA, FAO, WARDA, three scientists from member states and an independent scientist.

Coordinated Trials:

The concept of coordinated trials is not new. It is one of the most efficient ways to obtain quick and reliable results on varietal performance, best fertilizer practices and plant protection measures by eliminating national borders. Generally speaking, coordinated trials have the following characteristics and objectives in common:

- a. They are simple in design and handling so that they can be easily conducted at a large number of locations.
- b. Each coordinated trial has a given set of varieties or treatment, but to allow for local preferences and suggestions, a limited number of varieties or treatments can be added as optional.
- c. The essence is to obtain quick and reliable results which should be applicable for extension to farmers. As such, these trials may be considered as the final stage of testing promising varieties, good fertilizer rates and practices, and adequate control measures against weeds and insects.
- d. An adequate number of test locations is necessary to obtain quick and reliable information from this type of production-oriented field trials.
- e. It is not only a speedy process as multi-location experience is substituted for multi-seasonal experience, but it also provides a unique opportunity to detect most useful additional information such as on adaptability and disease and pest reaction.



- f. Effective and close cooperation with the national extension services is most important in order to ensure that the results will have a direct impact on rice production.

Variety Trials:

During the Rice Breeding and Varietal Improvement Seminar in January 1973, varieties were nominated for seven coordinated trials covering all major types of Rice cultivation in West Africa. Seed rice was received in April-May 1973 and treated at Suakoko (Liberia). All seed parcels, along with the guidelines for conducting these trials and the trial information sheets, were dispatched to all member countries during the last week of May 1973. Whenever possible, more seed was dispatched than was actually needed for these trials to allow the stations to become self-sufficient in seed.

Seed rice of promising varieties from IRRI and Thailand was divided and sent to the various stations as soon as it was cleared by the Regional Plant Quarantine Station at Ibadan, Nigeria. These varieties are to be entered into the Initial Evaluation Tests or in the Coordinated Variety Trials as soon as adequate seed is available.

In December 1973 - January 1974, all member countries were invited to propose new promising varieties for cooperative testing during 1974 and to provide WARDA with adequate seed quantities for treatment, processing and re-distribution among the various test locations. Varieties which performed very poorly during the 1973 season were discarded and replaced by more promising ones for 1974. It is expected



that during the main season of 1974 approximately 70 variety trials will be conducted.

Initial Evaluation Tests:

Coordinated variety trials only include the most promising varieties and are conducted with at least 5 to 7 replications and a relatively large plot size. New selections, recent introductions and other promising breeding material of which usually not much seed is available, will be tested for the first time on a multi-local basis in so-called "Initial Evaluation Tests". This gives the breeders an excellent opportunity to gain additional information about the performance in other parts of West Africa and may give rise to very useful knowledge about disease reaction and adaptability.

As WARDA lacks the necessary equipment and facilities for seed treatment and processing, all work involved in the organization of these tests was done at Bouake (Ivory Coast). In 1973 these trials included promising material for rainfed and irrigated rice.

A common procedure is to promote the best material from the initial evaluation tests to a so-called "Preliminary Variety Trial" (larger plots and replicated). From this trial, the most promising material will be passed on to the final stage of multi-local testing in the coordinated variety trials.

Fertilizer Trials:

During the Seminar on Soil Fertility and Fertilizer Use (January 1973), agreement was reached to start with a simple coordinated trial for



studying crop response to fertilizers under the major types of rice cultivation in member countries.

There were 38 trials established over the various test locations. During 1973-1974, these trials also were conducted at stations with irrigation facilities.

Insect Control Trials:

During the Plant Protection Seminar in May 1973 it was decided to start with a simple insect control trial at suitable locations during the second season of 1973. It is designed to assess insect damage and irrigated rice in terms of yield losses and to study the effectiveness and economics of a granular insecticide in comparison with presently recommended control practices. Difficulties encountered in obtaining the granular insecticides have delayed the start of this coordinated trial.

Weed Control Trials:

The first weed control trials for irrigated rice started during the 1973-74 season. Some of the herbicides tested were obtained from IRRI. For the main season of 1974 weed control trials are planned for both rainfed and irrigated rice.

Special Research Projects - W2, W3 and W4:

In order for the Coordinated Trials to make an impact and remain fully operational at all times, it is necessary for the Trials to be continuously fed by research findings from existing research stations and Institutes in the region and WARDA's Special Research Projects.

A proper balance between the Coordinated Trials and the Special Research Projects is therefore needed to achieve the ultimate goal of increased rice production per unit area in West Africa.

WARDA's plans for Special Research Projects in varietal improvement W2 are the reinforcement of breeding work at Mopti (Mali) for deep water and floating rice and at Rokupr (Sierra Leone) for mangrove swamp rice. WARDA's role in breeding work for rainfed rice will be limited in nature to the provision of a Research Assistant for Bouake (Ivory Coast), since varietal improvement for this type of rice cultivation is being carried out both at IITA and Bouake (Ivory Coast).

Studies on soil fertility and soil management W3 are planned for Rokupr (Sierra Leone) and at Richard Toll in Senegal. The major challenge is to solve the existing problems of mangrove soils. Success at Rokupr could have a worldwide impact as many million hectares of mangrove swamp soils could be brought under rice cultivation.

Research on insect pests, diseases and weeds (W4) has been integrated into one project. Screening varieties and large numbers of selections for resistance against pests and diseases, the development of suitable control measures and the assistance to the regional rice breeders to develop resistant varieties, is being undertaken by an Entomologist to be stationed at Rokupr (Sierra Leone). A Pathologist, to be stationed at IITA (Ibadan, Nigeria), will investigate the disease aspect. For diseases, major emphasis will be on research on Piricularia oryze. In weed control major emphasis will be on controlling the various types of wild rice in commercial plantings.

### Workshops and Training

To tap all available research findings in the region, seminars on specific topics are regularly organized by WARDA. These are usually attended by rice scientists from the International Institutes and the National Research Center in the region. In the first half of 1973, three seminars on Rice breeding and varietal improvement, Soil fertility and fertilizer use and plant protection for the rice crop were held in Monrovia, Liberia to pool information on rice research in West Africa, draw up plans for the coordinated trials (W1) and further improve on the WARDA special research projects (W2, W3 and W4). The seminars were well attended by scientists from IRAT, IITA, IRRI, FAO, UNDP, ECA, OAU/STRC, the Quelea Project in Chad, all member countries and Upper Volta. The USAID, The Netherlands, France, United Kingdom also sent representatives.

Annually WARDA is planning to hold a rice research workshop at which the results of the coordinated trials will be presented and discussed in detail. Research workers will then have the opportunity to compare and discuss the results from their own trials with those which were conducted elsewhere in the region under similar conditions. Existing trials can be modified and improved upon, while new trials can be added to the program if the need arises.

Another important aspect is the training of field assistants who are directly involved with the execution of these field trials. These training courses are of vital importance to achieve uniformity in record taking, to improve their field diagnostic skills and to make the trainees fully familiar with all aspects of proper field experimentation with rice.

*[Handwritten mark]*

West Africa Rice Development Association  
Summary of costs classified according to  
Object of Expenditure (in US\$)

W-1 BUDGET

	<u>1975</u>
<u>Personnel Services</u>	\$410,000.00
Professional Staff	137,000.00
Non-Professional Staff	210,000.00
Supporting Staff	23,900.00
Travel	16,500.00
Incidentals	22,650.00
<u>Equipment and Supplies</u>	<u>35,880.00</u>
Equipment	28,500.00
Supplies	3,000.00
Maintenance	1,800.00
Incidentals	2,580.00
<u>Buildings</u>	<u>14,000.00</u>
<u>Training</u>	<u>130,350.00</u>
Seminars, Conferences, Reports	118,500.00
Incidentals	11,850.00
<u>Operational Costs</u>	<u>159,900.00</u>
Seed Storage Center	45,000.00
Plant Quarantine	6,000.00
Trial Points	99,000.00
Incidentals	9,900.00
<u>Reserve for Inflation</u>	<u>75,020.00</u>
<u>Total</u>	<u>\$825,200.00</u>

41

SUPPORT TO WARDA (W-1)

	<u>Anticipated Support in CY 1975</u>
Belgium	\$ 55,000
Netherlands	75,000.
Canada	100,000
United States	120,000
France	25,000
Sweden	100,000
World Bank	<u>80,000</u>
	<u>\$555,000</u>

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ATTACHMENT III  
(Including Appendix "A")

TERMS AND CONDITIONS

ARTICLE I. DEFINITIONS

These definitions are applicable throughout this Grant.

a. "Grantor" shall mean the Agency for International Development, an agency of the Government of the United States of America.

b. "Grantee" shall mean the organization or institution to which the Grant is made.

c. "Grant Officer" shall mean the person executing this Grant on behalf of the United States Government, and any other government employee who is a properly designated Grant Officer; and the term includes, except as otherwise provided in this Grant the authorized representative of a Grant Officer acting within the limits of his authority.

d. "Project Specialist" shall mean the person in the A.I.D. Scientific/Technical Office who has primary program responsibility for the Grant.

e. "Local currency" shall mean the currency of the country in which activities under this Grant take place.

f. "A.I.D." shall mean the Agency for International Development.

g. "Administrator" shall mean the Administrator or Deputy Administrator of the Agency for International Development.

h. "Government" shall mean the Government of the United States.

i. "Mission" shall mean the United States A.I.D. Mission to, principal A.I.D. office or designated A.I.D. representative in, the country in which a program is being carried out.

ARTICLE II - ALLOWABLE COSTS

The Grantee shall be reimbursed for direct costs incurred in implementing the program supported by the Grant during its specified Calendar Year/COPE/Operating Budget provided such costs are incurred in accordance with the terms and conditions of said grant, including the attached budget, and are determined to be allowable, allocable and reasonable in accordance with the principles set forth in sub-part 1-15.3 of the Federal Procurement Regulations as in effect as of the period of this Grant.

ARTICLE III - ACCOUNTING, RECORDS AND AUDIT

The Grantee shall submit to the Grant Officer an annual financial statement certified by an independent public accountant. Financial records covering all phases of the Grantee's program, including documentation to support entries on the account records and to substantiate expenditures shall be maintained in accordance with accounting principles generally accepted in the U. S. and consistently applied, and shall be available for examination by personnel authorized by A. I. D. All such financial records shall be maintained for at least three years after final disbursement of funds under this Grant. The A. I. D. Auditor General and the Comptroller General or their duly authorized representatives reserve the right to conduct an audit of the Grantee's books and records to determine whether the Grantee organization has expended its funds in accordance with the terms and conditions of this Grant. The Grantee agrees to make available any further information requested by A. I. D. with respect to any questions arising as a result of the audit.



ARTICLE IV - UNEXPENDED FUNDS AND REFUNDS

A. Funds granted hereunder but not disbursed to the Grantee prior to the expiration of the period for which the grant is made or its termination shall revert to A.I.D. Any funds disbursed to but not expended by the Grantee or for which the Grantee has not incurred a legally binding obligation within the purpose of the grant and prior to expiration of the grant period or its termination shall be refunded to A.I.D.

B. If, at any time during the life of grant, it is determined by the Grant Officer 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 A.I.D.

C. Expenditures which may be disallowed at the time of final audit of the grant will be refunded to A.I.D.

D. If use of Grant funds results in accrual of interest to the Grantee or to any entity to which grant funds are made available for carrying out the purposes of this grant, the Grantee shall refund to A.I.D. an amount equivalent to the amount of interest accrued.

ARTICLE V - PROGRAM REPORTS

A. The following reports shall be prepared and submitted to A.I.D. as stated below:

(1) One hundred (100) copies of the Comprehensive Annual Report on overall program and fiscal matters for the entire calendar year for which the grant was made;

(2) Five (5) copies of the report prepared in connection with the annual International Centers Week. (This report will describe proposed program and funding requirements for the ensuing calendar year.)

(3) Five (5) copies of such other reports as may be prepared or requested from time to time on various other program activities.

B. Copies of the above stated reports shall be submitted to:



Dr. Guy B. Baird  
Associate Director Research  
Technical Assistance Bureau  
Office of Agriculture  
Agency for International Development  
Washington, D.C. 20523

Additionally, one copy of each report shall be submitted to the Grant Officer whose name appears on the grant.

C. In addition one (1) copy of each report described in A.(1) and A.(3) above shall be sent to all A.I.D. Missions. The Grantee will be advised, by the Technical Specialist of these recipients and changes as they occur. The Technical Specialist is:

Mr. Ryland Holmes, Chief  
Program Division  
Technical Assistance Bureau  
Office of Agriculture  
Agency for International Development  
Washington, D.C. 20523

The TA/AGR Technical Specialist also should be consulted for questions of a general program nature. Questions concerning the administration of the grant by its terms shall be addressed to the Grant Officer.

ARTICLE VI - TRAVEL AND TRANSPORTATION EXPENSES

Unless otherwise approved in writing by the Grant Officer, the reasonableness of expenses attributable to this grant for travel, related allowances, and shipping will be determined in accordance with the Standard Government Travel Regulations in effect at the time the costs are incurred.

The Grantee agrees, when such costs are attributable to this grant, to use less-than-first-class transportation unless such use will result in unreasonable delay or increased costs. When travel by other than less-than-first class accommodations becomes necessary, the Grantee shall certify to the facts

involved in the voucher or other documents retained as part of his grant records to support his claim for reimbursement and for post audit.

ARTICLE VII - LIMITATION ON TRANSPORTATION

A. All international air shipment of goods, attributable to this Grant, shall be made, to the maximum extent practicable, on U. S. flag carriers. When other than U. S. flag carrier is utilized, the Grantee shall certify to the facts involved in the voucher or other documents retained as part of his Grant records to support his claim for reimbursement and for post audit.

B. International Ocean Transportation. All international ocean transportation of persons and goods which is to be reimbursed in U. S. dollars under this grant shall be by U. S. flag vessels to the extent that they are available. With respect to the transportation of goods, where U. S. flag vessels are not available, or their use would result in a significant delay, the Grantee may obtain a release, in advance, from this requirement from the Resources Transportation Division, Agency for International Development, Washington, D. C. 20523, giving the basis for the request.

ARTICLE VIII - SALARIES AND WAGES

All salaries, wages, fees, stipends and allowances paid from funds provided by this grant shall be in accordance with the Grantee's usual policy and practice. Any deviations from Grantee's policy shall be documented and such documentation shall be retained as part of the grant records for audit by A.I.D. and/or the Comptroller General of the United States.

ARTICLE IX - PROCUREMENT OF VEHICLES, EQUIPMENT, MATERIALS, SUPPLIES AND SERVICES

A. Except as may be specifically approved or directed in advance by the Grant Officer, or as may be provided in paragraph D, below, all equipment, vehicles, supplies and materials, 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 and all services shall be obtained from U. S. sources. 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 A.I.D. Regulation 1, and that the supplier must execute and furnish Form AID-282 "Suppliers Certificate and Agreement with the Agency for International Development."

B. The Grantee shall obtain competition to the maximum extent practicable for any procurement the cost of which is not to be attributed to this Grant. Procurement by the Grantee without consideration of more than one source must be certified to and supported by adequate justification as part of the permanent grant records. In no event will any procurement be on a cost-plus-a-percentage of cost basis.

C. Procurements in-country, i.e., the country in which the Grantee's facility is physically located, which are less than \$2,500.00 and are for materials (regularly available and normally sold on the local market) which are to be consumed or expended in the performance of this grant, are exempt from the conditions set forth in Paragraph A. hereinabove, provided that the origin of such materials and supplies and the component parts thereof is a free world country as described in A.I.D. geographic Code 935."

D. Notwithstanding the provisions of paragraph A. above, an amount of up to \$                     - 0 -                     of grant funds provided hereunder may be used to defray expenditures for in-country costs of local source and origin for

25

items such as local staff, local labor, and non-expendable supplies, materials, equipment, etc.

ARTICLE X - TITLE TO AND USE OF PROPERTY

Title to property such as vehicles, equipment, library acquisitions and other similar items purchased with grant funds vests in the Grantee institution. All such property must be used during the grant period for activities furthering the purpose of program for which it was purchased and may not be disposed of, provided it has useful life, without the prior written consent of the grant officer.

ARTICLE XI - CAPITAL EXPENDITURES

A. Grant funds may not be used for new construction, alterations or improvements to buildings, fixtures, or facilities.

B. In the event A.I.D. determines it appropriate to make a contribution to the Grantee's Capital expenditures within the period of this grant, the grant will be amended so as to provide for this type of expenditure.

ARTICLE XII - CONVERSION OF UNITED STATES DOLLARS TO LOCAL CURRENCY

Whenever practicable Grantee agrees to convert United States dollars to local currency through the United States Disbursing Officer, American Embassy. When circumstances, certified to by the Grantee, do not permit compliance with this procedure, the Grantee may convert U. S. dollars to local currency through any local bank or accredited financial institution.

ARTICLE XIII - TERMINATION

This Grant may be terminated, at any time, in whole or in part, upon written notice from the Grant Officer to the Grantee. Upon the Grantee's receipt of

notice of such termination, it shall take immediate action to minimize all additional obligations financed by this Grant and shall cancel such unliquidated obligations whenever possible. 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 within the purposes of this Grant. Should the funds paid by the Grantor prior to termination of this Grant be insufficient to cover the Grantee's obligations pursuant to the aforementioned legally binding transactions, the Grantee may submit to the Grantor within ninety (90) calendar days after the effective date of such termination, a written claim covering such obligations and, subject to the limitations contained in this Grant, the Grantor shall determine the amount or amounts to be paid by the Grantor to the Grantee under such claim.

ARTICLE XIV - OFFICIALS NOT TO BENEFIT

No member or delegate to the Congress or resident Commissioner shall be admitted to any share or part of the grant or to any benefit that may arise therefrom.

ARTICLE XV - COVENANTS AGAINST CONTINGENT FEES

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 a bona fide established commercial or selling agencies maintained by the

Grantee for the purpose of securing business. For breach or violation of this warranty, A.I.E. shall have the right to cancel this grant without liability or, in its discretion, to deduct from the grant amount, or otherwise receive the full amount, of each commission, percentage, brokerage, or contingent fee.

ARTICLE XVI - CONFLICT OF INTEREST

Other than in the performance of duty as specified by the Grantee in accordance with this grant, an employee or consultant assigned by the Grantee, whose expenses may be reimbursable hereunder, shall not engage, directly or indirectly, either in his own name or in the name or through the agency of another person, in any business, profession, or occupation in any country to which he is assigned; nor shall he make loans to or investments in any business, profession or occupation in any country to which he is assigned.

ARTICLE XVII - SUBORDINATE AGREEMENTS

The placement of subordinate agreements, grants, or contracts (the costs thereunder which are attributable to this grant) with other organizations, firms or institutions is subject to the prior written consent of the Grant Officer. 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.

ARTICLE XVIII - EQUAL OPPORTUNITY

With regard to the employment of persons in the U.S. under this grant Grantee agrees to take all reasonable steps to insure 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 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."

ARTICLE XIX - PATENTS

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).

ARTICLE XX - AMENDMENT

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

ARTICLE XXI - GRANT AGREEMENT

The letter to the Grantee signed by the Grant Officer, and all attachments



identified therein, which have been reviewed and agreed to by the Grantee, constitute the Grant Agreement.

ARTICLE XXII - NOTICES

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 A.I.D.: Grant Officer  
Office of Contract Management  
Contract Operations Division  
Agency for International Development  
Washington, D. C. 20523

TO GRANTEE: At Grantee's address shown in this Grant, or to such other address as either or such parties 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.

ARTICLE XXIII - PUBLICATIONS

A. As agreed upon by A.I.D. and the Grantee, appropriate acknowledgement of A.I.D.'s support must be made in connection with the publication of any material based on activities conducted under the grant. The acknowledgement should also state that the information and conclusions in the paper do not necessarily reflect the position of A.I.D. or the U. S. Government.

B. IA/AGR will be informed of all publications and dissertations developed through Grantee's research program, and Grantee will provide



at least two (2) copies of such publications as requested by TA/AGR.

C. The Grantee is permitted to secure copyright to any publication produced or composed under this 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.

D. 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.



APPENDIX "A"

PAYMENT PROVISIONS

ARTICLE I - DISBURSEMENT OF FUNDS AND FISCAL REPORTS

A.I.D. will disburse funds promptly to Grantee, on a reimbursement basis, under the following procedure:

At the convenience of the Grantee but not more often than once a month, the Grantee will submit to the Office of Financial Management, A.I.D. Voucher Form 1034 (original) and three copies of Voucher Form 1034(a), properly executed, totalling Grantee's expenditures during the period covered for which reimbursement hereunder is sought, together with an original and two copies of a certified fiscal report rendered by the Grantee in a form and manner satisfactory to A.I.D. substantially as follows:

Project:	<u>AID Grant Period:</u>	No. _____	
	<u>1974</u>	<u>Expenditure</u>	<u>Grant Fund Expenditures</u>
	<u>Budget</u>	<u>To Date</u>	<u>To Date</u> <u>This Period</u>
Category (From Attachment II)	\$ _____	\$ _____	\$ _____      \$ _____
	_____	_____	_____      _____

The fiscal report shall include a certification signed by an authorized representative of the Grantee as follows:

"The undersigned hereby certifies: (1) that payment of the sum claimed under the voucher is proper and due the terms of the grant; and (2) that the information on the fiscal report is correct and such detailed supporting information as A.I.D. may require will be furnished by the Grantee

promptly to A.I.D. upon request.

BY \_\_\_\_\_  
TITLE \_\_\_\_\_  
DATE \_\_\_\_\_

An original and two copies of a final fiscal report shall be submitted to the Office of Financial Management, A.I.D. within 90 days of the end of the calendar quarter in which the period for which the grant was made ends. The final fiscal report shall also be accompanied by an original and three (3) copies of SF-1034 and SF-1034(a), marked "Final Voucher."

The parties agree that, if after reviewing the fiscal reports or other cost data, it is determined by the Grant Officer that funds provided under the grant have been expended for purposes not in accordance with the terms of the grant, the Grantee will refund such amounts as directed by the Grant Officer.

