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16 JUL 1967

COPIES CONTRACT FOR WORK UNDER
AGENCY FOR INTERNATIONAL DEVELOPMENT
INSTITUTE OF EDUCATION, INC. HD/ORD-1467
ACQUIRED FOR VALUE OF THE FEDERAL GOVERNMENT
ACT OF 1961, AS AMENDED, AND EXECUTIVE ORDER 11227
CONTRACT FOR

Mathematics Curriculum Development in Africa

MAILING OFFICE (ORIGINAL ADDRESS)	CONTRACTOR (NAME AND ADDRESS)
Agency for International Development Office of Procurement Washington, D. C.	Education Development Center 37 Chapel Street Newton, Massachusetts 02160
ADDITIONAL MAILING OFFICE	CONTRACTOR'S SCIENTIFIC TECHNICAL OFFICE
Agency for International Development Office of Procurement Washington, D. C.	TCR/LPS
MAIL VOUCHER (Original & 3 copies) TO PAYING OFFICE	ACCOUNTING AND APPROPRIATION DATA PIC/T NO. 46-11-810-037-73-405734 APPROPRIATION NO. 72-1170CA ALLOTMENT NO. 6754-46-09-00-22-74 (2)
Agency for International Development Office of the Controller Washington, D. C. 20523	
EFFECTIVE DATE	ESTIMATED COMPLETION DATE
June 1, 1967	October 31, 1967
TYPES OF PUBLICATIONS (CHECK APPROPRIATE BOX(ES))	
TECHNICAL REPORT	MAIL SERVICES
PERIODICAL	EXACT SUBJECT AREA
JOINT VENTURE	
A. COMPLETION, INCORPORATED IN STATE OF DELAWARE	

The United States of America, hereinafter called the Government, represented by the Contracting Officer executing this contract, and the Contractor agree that the Contractor shall perform all the services set forth in the attached Schedule; for the consideration stated therein. The rights and obligations of the parties to this contract shall be subject to and governed by the Schedule and the General Provisions. To the extent of any inconsistency between the Schedule or the General Provisions and any specifications or other provision which are made a part of this contract, by reference or otherwise, the Schedule and the General Provisions shall control. To the extent of any inconsistency between the Schedule and the General Provisions, the Schedule shall control.

This Contract consists of this Cover Page, the Schedule of 15 pages, including the Table of Contents, and the General Provisions (Form CP/GP/R&D, 3-(3)).

NAME OF CONTRACTOR	UNITED STATES OF AMERICA
Education Development Center	AGENCY FOR INTERNATIONAL DEVELOPMENT
BY (Signature of authorized individual)	BY (Signature of Contracting Officer)
<i>Gilbert Oakley, Jr.</i>	<i>R. J. Torrey</i>
TYPED (NAME AND TITLE)	TYPED (NAME AND TITLE)
Gilbert Oakley, Jr	/s/ R. J. Torrey
TITLE	CONTRACTING OFFICER
Vice President	

PREVALIDATED ON PAGE 5-14

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SCHEDULE

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GENERAL PROVISIONS

The following provisions, numbers 1 through 50, are the General Provisions of this contract:

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General Provisions and Additional Provisions for Cost Type Contract for Research and Development (Form CT/GF/R&D, 3-C) are attached hereto, and are incorporated in this contract.

ARTICLE I - SCOPE OF WORK

A. General Objectives

1. The Contractor shall continue the general approach to the production of school mathematics materials employed heretofore on Contract AID/res-21. Textbook writing, textbook testing in schools and textbook revision, concurrent with teacher training activities, shall be conducted in the ten English-speaking African countries of Sierra Leone, Liberia, Ghana, Nigeria, Uganda, Kenya, Tanzania, Zambia, Ethiopia and Malawi. The Project Steering Committee composed of well-known American mathematicians and educators shall provide overall policy and planning guidance for conduct of the project. The Executive Committee composed of Americans and Africans shall implement and execute policies determined by the Project Steering Committee through the Executive Director of the project who shall perform a minimum of half time on the project.

Textbook production shall be accomplished at intensive summer workshops; the materials shall be tested in selected elementary and secondary schools of the countries involved; teacher training institutes to prepare teachers to test the materials in experimental classes shall be conducted in appropriate locations in the African countries and textbook editing and publishing shall be undertaken in the U.S. Results of the testing of materials in schools shall be fed back into appropriate revision activities towards the end of creating mathematics materials which are maximally indigenous to African conditions.

2. Contractor shall expand activities designed to evaluate the effect of the mathematics institution materials on African children. The Contractor shall develop tests to measure the depth of understanding of the concepts of modern mathematics and the traditional mathematics on the part of African

children who have and have not been exposed to the new course materials.

Tests shall be constructed, validated, administered, and the scores statistically treated by highly qualified specialists in educational psychology and test construction. Analyses of the results shall be fed back into the project.

Contractor will also cooperate fully with any independent evaluation effort supported by A.I.D.; in the development of such effort, A.I.D. will consult thoroughly with the Contractor at every stage.

3. Throughout the research and development efforts under the contract, the Contractor shall coordinate and integrate all efforts with appropriate host government officials and US AID missions, with respect to other related projects, particularly the A.I.D. supported institutes of education and teacher training programs.

Contractor shall foster extensive participation of Africans in the textbook writing, testing, revising and teacher training activities of the project.

B. Specific Objectives

1. Workshops

During the summer of 1967 Contractor shall arrange for and conduct a workshop not to exceed 8 weeks' duration at Mombasa, Kenya.

Participants at the workshop (not to exceed a total of 60) shall consist of selected American consultants and selected key African representatives (hereinafter called "Conferees") from each participating country. Prior to the workshop, Contractor shall be responsible for consulting with ministries and US AIDs on arrangements for invitations and shall arrange transportation, food and lodging. The workshop shall be directed by a joint American-African planning committee.

The purposes of the 1967 workshop shall be to produce with the expectation of completing texts and teacher's guides for Primary 6 and Secondary Additional Math, the Primary Teachers Handbook for Grades 4-7, and further tests for primary and secondary level.

2. Experimental Use of Texts

Contractor shall arrange for the experimental use of materials by distributing an appropriate number of texts to pre-selected schools and teacher training institutes in a country or region.

During calendar year 1967 experimental use of the following materials will be made: Primary III, IV, V; Secondary 2, 3, 4, Secondary C-1, Secondary 5, Secondary C-2, C-3; Training College Text ("Basic Concepts") volumes 2, 3, and 4; Primary teachers handbook grades 1-3.

The experimental use of each textbook will average no more than 50 classrooms per country (each region of Nigeria for this purpose considered a "country") and will in no case exceed 60 classrooms per country.

3. Teacher Institutes

The Contractor shall plan for and conduct 2 teacher institutes during the summer of 1967 for African elementary and secondary school teachers and/or tutors and inspectors necessary for local supervision of experimental classes. Participants at each institute may not exceed 70. The institutes will train teachers who are willing to use the modern mathematics texts with their classes on an experimental basis and/or the necessary supervisors. No institute shall exceed four weeks in duration without the prior written approval of the Contracting Officer. The Institutes will be directed by American and African educators. The Contractor shall continue its present practice of requesting host government support for the institutes in the form of board and

room and/or full transportation reimbursement for African participants. Local US AID missions and AID/W shall be informed of requests for institutes received from participating countries and shall be consulted at the planning stage of these institutes.

4. Testing of Students

Contractor shall arrange for the administration of tests to students who have already completed levels of the modern mathematics. Determination of locations and numbers of students to be tested shall be made on an appropriate sampling basis. Local US AID Missions shall be informed of test plans. Contractor shall continue to revise and validate the previously constructed tests and shall construct new ones for courses for which text preparation has been completed.

5. Publication

Contractor shall arrange for the publication and distribution of experimental tests produced at summer workshops. In arranging for such publication and distribution, Contractor shall meet the requirements of the project. The Contractor is authorized to enter into a subcontract with the Science Research Associates for the above services.

The texts shall be distributed to appropriate African officials and teachers for testing and evaluation.

6. Planning for Utilization

Where A.I.D. Mission personnel are not available for the purpose, the Contractor shall, at the request of host government, provide short term consultative advice on plans for the wide-scale adoption or adaptation of the modern mathematics curricula developed under this contract. Before any such advisory activities are undertaken in a country, however, approval of A.I.D./W and the local A.I.D. mission will be obtained.

ARTICLE II - TECHNICAL DIRECTIONS

Performance of the work hereunder shall be subject to the technical directions of the cognizant A.I.D. Scientific/Technical Office indicated on the Cover Page. As used herein, "Technical Directions" are directions to the Contractor which fill in details, suggest possible lines of inquiry, or otherwise complete the general scope of the work. "Technical Directions" must be within the terms of this contract and shall not change or modify them in any way.

ARTICLE III - PERSONNEL

A. The key personnel which the Contractor shall furnish for the performance of this contract are as follows:

Key Personnel

Dr. W. T. Martin, Chairman, Steering Committee

Mr. Hugh P. Bradley, Program Director

B. The personnel specified above are considered to be essential to the work being performed hereunder. Prior to diverting any of the specified individuals to other programs, the Contractor shall notify the Contracting Officer reasonably in advance and shall submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on the program. No diversion shall be made by the Contractor without the written consent of the Contracting Officer; provided, that the Contracting Officer may ratify in writing such diversion and such ratification shall constitute the consent of the Contracting Officer required by this clause. The listing of key personnel may, with the consent of the contracting parties, be amended from time to time during the course of the contract to either add or delete personnel, as appropriate.

C. Third Country and Cooperating Country Nationals

The Contractor may use the services of Third Country and Cooperating Country Nationals for the following purposes:

1. As Conferées at the Summer workshop participating in the preparation of texts and guides.
2. As instructors at the teacher education institutes.
3. As members of the Steering Committee.
4. As clerical help.

ARTICLE IV - LEVEL OF EFFORT

A. The level of effort for the performance of this contract shall be 120 total man-months of direct labor.

B. The estimated composition of total man months of labor is as follows:

<u>Personnel</u>	<u>Man-Months</u>
<u>Workshop Staff:</u>	
Administrator	3
Assistant Administrator	3
Secretaries (3)	6
Short-term Employees (Conferées)	35
Cooperating Country Nationals (Conférees)	38
Local Labor	12
<u>Institutes Staff:</u>	
U.S. Mathematicians (3)	2
Cooperating Country Mathematicians (2)	2
<u>Program Administration Staff:</u>	
Director	2.5
Associate Director	5

Program Assistant	2.5
Secretaries (2)	4
Typist	2
Evaluation Psychologist	1
<u>Steering Committee:</u>	
Chairman	.5
Committee - 20 members	1.5
TOTAL	<u>120</u>

ARTICLE V - PERIOD OF CONTRACT

A. The effective date of this contract is June 1, 1967 and the estimated completion date is October 31, 1967.

ARTICLE VI - ESTIMATED COST AND FIXED FEE

The total estimated cost of this contract to the Government, exclusive of the fixed fee, is \$393,706. The fixed fee is \$9,800.

ARTICLE VII - BUDGET

The following budget sets limitations for reimbursement of dollar costs for individual line items. Without the prior written approval of the Contracting Officer, the Contractor may not exceed the grand total set forth in the budget hereunder nor may the Contractor exceed the dollar costs for any individual line item by more than 15% of such line item.

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BUDGET

<u>Category</u>	<u>Budget Amount</u>
Salaries and Wages (and Consultant Fees)	\$ 110,255
Travel and Transportation	65,030
Conferees - Stipends	26,440
Hotel Expenses and Conference Facilities	69,160
Other Direct Costs (including publication and distribution costs)	88,820
Overhead	24,001
GRAND TOTAL	<u>\$ 383,706</u>

ARTICLE VIII - COSTS REIMBURSABLE

United States Dollar Costs

The United States dollar costs allowable under the contract shall be limited to reasonable, allocable, and necessary costs determined in accordance with the Clause of the General Provisions of this Contract entitled "Allowable Cost, Fixed Fee, and Payment".

ARTICLE IX - PAYMENT OF FIXED FEE

At the time of each payment to the Contractor on account of allowable dollar costs, the Contractor shall be paid a dollar amount which is in the same ratio to the total fixed fee as the related payment being made on account of allowable dollar costs is to the total estimated cost, as amended from time to time; provided however, that whenever in the opinion of the Contracting Officer such payment would result in a percentage of fee in excess of the percentage of work completion, further payment of fee may be suspended until the Contractor has made sufficient progress, in the opinion of the Contracting Officer, to justify further payment of fee up to the agreed ratio; provided further, that after

payment of eighty-five percent (85%) of the total fixed fee, the provisions of paragraph (c) of General Provision 9 of this contract entitled "Allowable Cost, Fixed Fee, and Payment", shall be followed.

ARTICLE X - ESTABLISHMENT OF OVERHEAD RATE

Pursuant to the provisions of the Clause of the General Provisions of this contract entitled "Negotiated Overhead Rates", a rate or rates shall be established for the period beginning June 1, 1967 and ending September 30, 1967. Pending establishment of final overhead rates for the initial period, provisional payments on account of allowable indirect costs shall be made on the basis of the following negotiated provisional rates applied to the base(s) which are set forth below:

On Site (Home Office)	<u>28.4%</u> (Rate)	Direct U.S. Base Salaries including Steering Committee Salaries	<u>As Above</u> (Period)...
Off Site (Overseas)	<u>23.4%</u> (Rate)	Direct U.S. Base Salaries	<u>As Above</u> (Period)

Off Site overhead shall be paid on direct full-time employees overseas, and short-term United States employees including Conferees at the Summer workshop and U.S. mathematicians teaching at the Summer Institutes.

ARTICLE XI - PERSONNEL COMPENSATION

A. Limitations

Compensation of personnel which is charged as a direct cost under this contract, like other costs, will be reimbursable in accordance with the Schedule, Article VIII, entitled "Costs Reimbursable and Logistic Support to Contractor" and General Provision 9, entitled "Allowable Cost, Fixed Fee, and Payment" and

other applicable provisions of this contract but subject to the following additional specific understandings which set limits on items which otherwise would be reasonable, allocable and allowable.

1. Approvals

Salaries and wages may not exceed the Contractor's established policy and practice, including the Contractor's established pay scale for equivalent classifications of employees, which will be certified to by the Contractor, nor may any individual salary or wage, without approval of the Contracting Officer, exceed the employee's current salary or wage or the highest rate of annual salary or wage received during any full year of the immediately preceding three years, provided that if the work is to be performed by employees serving overseas for a period in excess of one year, the normal base salary may be increased in accordance with the Contractor's established policy and practice, but not to exceed 10 percent of base U.S. salary excluding benefits. There is a ceiling on reimbursable salaries and wages paid to a person employed directly under the contract of the top level salary rate of FSR-1 (or the equivalent daily rate for FSR-1 if salary is not computed on an annual basis), unless advance written approval is given by the Contracting Officer.

2. Salaries During Travel

Salaries and wages paid while in travel status will not be reimbursed for a travel period greater than the time required for travel by the most direct and expeditious air route.

3. Return of Overseas Employees

Salaries and wages paid to an employee serving overseas who is discharged by the Contractor for misconduct or security reasons will in no event

be reimbursed for a period which extends beyond the time required to return him promptly to his point of origin by the most expeditious air route plus accrued vacation leave.

4. Merit or Promotion Increases

Merit or promotion increases may not exceed the Contractor's established policy and practice, and with respect to employees performing work overseas, they may not exceed for any employee, in any year, 5% of the employee's base salary rate at the time of the first such increase during that year.

5. Consultants

Consultant services for a maximum number of 30 days will be reimbursed in connection with the services to be provided hereunder. No compensation for consultants will be reimbursed unless their use under the contract has the advance written approval of the Contracting Officer; and if such provision has been made or approval given, compensation shall not exceed, without specific approval of the rate by the Contracting Officer, the current compensation or the highest rate of annual compensation received by the consultant during any full year or the immediately preceding three years. There is a ceiling on a reimbursable compensation for any consultant of \$100.00 per day and a total period of service for each consultant not to exceed 90 work days in any twelve month period, unless advance written approval is given by the Contracting Officer.

6. Third Country and Cooperating Country Nationals

No compensation for third country or Cooperating Country nationals will be reimbursed unless their use under the contract is authorized in the Schedule or has the prior written approval of the Contracting Officer. Salaries and wages

paid to such persons may not, without specific written approval of the Contracting Officer, exceed either the Contractor's established policy and practice; or the level of salaries paid to equivalent personnel by the A.I.D. Mission in the Cooperating Country; or the prevailing rates in the Cooperating Country, as determined by A.I.D., paid to personnel of equivalent technical competence.

7. Work Week

Non-Overseas Employees. The work week for the Contractor's non-overseas employees shall not be less than the established practice of the Contractor.

Overseas Employees. The work week for the Contractor's overseas employees shall not be less than 40 hours and shall be scheduled to coincide with the work week for those employees of the A.I.D. Mission and the Cooperating Country associated with the work of this contract.

B. Definitions

As used herein, the terms "Salaries", "Wages" and "Compensation" mean the periodic remuneration received for professional or technical services rendered exclusive of overseas differential or other allowances associated with overseas service, unless otherwise stated. The term "compensation" includes payments for personal services (including fees and honoraria). It excludes earnings from sources other than the individual's professional or technical work, overhead or other charges.

ARTICLE XII - ADDITIONAL CLAUSES

A. Reports

The Contractor shall prepare a report on the results of the 1967 Summer workshop and submit 25 copies to the Office of Technical Cooperation and Research, Education and Manpower Planning Service no later than November 30, 1967.

The Contractor shall prepare progress report covering the work performed during this contract period, and shall submit 25 copies to the Office of Technical Cooperation and Research, Education and Manpower Planning service no later than November 30, 1967.

E. Conferee Stipends

Stipends for conferees will not be reimbursed at rates which exceed four thirds (4/3) of the normal monthly remuneration received by such conferee in the six month period immediately preceding the workshop.

C. In accordance with General Provision 9 entitled "Allowable Cost, Fixed Fee and Payment", the Contractor may submit Voucher Form SF-1034 twice a month to the paying office indicated on the Cover Page.

FUNDS AVAILABLE

JUN 30 1967

46700.23

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393506.00

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