

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT
9311332-③
PROJECT IMPLEMENTATION
ORDER TECHNICAL
SERVICES
PI-446-251-A1

PIO/T

1. Cooperating Country
DSB

2. PIO/T No.
931-1332-3188669

3. Original or
Amendment No. _____

4. Project/Activity No. and Title
Appropriate Technology Case Histories

DISTRIBUTION

5. Appropriation Symbol
72-1181021-6

5.A. Allotment Symbol and Charge
846-36-099-00-2061

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

7. Obligation Status
 Administrative Reservation Implementing Document

8. Funding Period (Mo., Day, Yr.)
From 8/15/78 to 8/15/79

9.A. Services to Start (Mo., Day, Yr.)
Between 8/15/78 and 9/15/78

9.B. Completion date of Services
(Mo., Day, Yr.) 8/15/79

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

10.B. Authorized Agent
Denver Research Institute, Denver, Colorado

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
\$1,000:					
11. Maximum A.I.D. Financing	A. Dollars		\$ 118,000		\$ 118,000
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

14. Instructions to Authorized Agent
This PIO/T authorizes SER/CM/COD to negotiate a contract with Denver Research Institute, to make comparative analyses of especially productive examples of appropriate technology in LDCs; and to prepare a final report to be submitted to AID for use in connection with the U.N. Conference on Science and Technology for Development (UNCSTD).

FUNDS RESERVED BY

J. H. H.
POSTED 8/24/78
SER/EM/CSD

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

A. The specifications in the scope of work are technically adequate
DS/ST, William Eilers *W* 8/2/78

B. Funds for the services requested are available
DS/PO, John Ryan *J. Ryan*

C. The scope of work lies within the purview of the initiating and approved Agency Programs
DS/ST, Ruth Flynn *Ruth Flynn* 8/7/78

D. *Lamar Prosser*
DS/PO, Lamar Prosser 24 Aug 78

E.

F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

17. For the Agency for International Development

18. Date of Signature

Signature and date:

Signature

Kenneth A Milow

8/24/78

Title:

Title:

Kenneth Milow
DS/PO, Chief, Programs Division

PIO/T

Project/Activity No. and Title

Appropriate Technology Case Histories

SCOPE OF WORK

19. Scope of Technical Services

A. Objective for which the Technical Services are to be Used: Contractor will assess useful examples of appropriate light capital technology in order to have available an authoritative resource for considering the relationship between technology and development at UNCST

B. Description:

Contractor will work in cooperation with 20 industrial research institutes in 20 LDCs in preparing at least one case history of particularly useful appropriate technology for each country. The project will consist of three phases: (1) Collection of Information, (2) Analysis and generalization of information, and (3) Final report. The entire project is to be completed within eight months in time for distribution of the final report before UNCSTD.

C. Technicians

(1) (a) Number(b) Specialized Field(c) Grade and/or Salary(d) Duration
of Assignment
(Man-Months)

(SEE ATTACHED BUDGET)

(2) Duty Post and Duration of Technicians' Services(3) Language requirements(4) Access to Classified Information(5) Dependents

Will

Will Not

Be Permitted to Accompany Technician

D. Financing of Technical Services

(1) By AID - \$(2) By Cooperating Country -

DSB

RIO/T

Project/Activity No. and Title

Appropriate Technology Case Histories

20. Equipment and Supplies (Related to the services described in Block 19 and to be procured outside the Cooperating Country by the supplier of these services)

A. (1) Quantity (2) Description

(3) Estimate
Cost

(4) Special Instruction

B. Financing of Equipment and Supplies

(1) By AID - \$

(2) By Cooperating Country -

21. Special Provisions

- A. This PIO/T is subject to AID (contracting) ~~(AID implementation)~~ regulations.
- B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services authorized under this PIO/T must be obtained from U.S. sources.
- C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.
- D. Other (specify):

All travel will be in accordance with U.S. Government Travel Regulations and AID procedures. Prior to making visits to LDCs, the contractor will review his plans with DS/ST. He will clear visit to host countries with DS/ST at least 30 days in advance. DS/ST will then obtain country clearance on the visit prior to commencement of travel. He will call on AID missions upon arrival, keep mission personnel fully informed, ask them to participate in discussions if they desire and will inform missions of the outcome of consultations. Normally, he will make his own appointments and logistical arrangements.

PIO/T

DSB

Project/Activity No. and Title

Appropriate Technology Case Histories

22. Reports by Contractor or Participating Agency (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports, and any special requirements)

- 17 Contractor will supply a final report of analyses and conclusions which will be made available as an authoritative resource in considering the relationship between technology and development at UNCSTD. The report will be made available in draft to AID (DS/ST) after seven months for review and comment to DRI, prior to publication and distribution. Distribution of 5,000 copies will be effected by DRI to a mailing list furnished by AID (DS/ST).

In addition, Contractor shall submit three copies of all reports listed as being a product of the contract (administrative, progress, final and technical reports containing R&D findings) to the Documentation Coordinator, DS/DIU/DI, Development Support Bureau, A.I.D., Washington, D.C. 20523, or his designee. Such reports shall include a title page showing the title of the report, project title as set forth in this contract and the contract number. One copy of each report shall be clearly typed or printed on white paper so that it may be photographed to produce a microfilm master. Technical reports shall be accompanied by an author-prepared abstract.

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

Project is based on an unsolicited proposal received from contractor.

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

A. Relationships and Responsibilities

B. Cooperating Country Liaison Official

C. AID Liaison Officials

William L. Eilers, UNCSTD A.I.D. Coordinator, DS/ST, Project Manager

Appropriate Technology Case Histories

LOGISTIC SUPPORT

25. Provisions for Logistic Support	IN KIND SUPPLIED BY		FROM LOCAL CURRENCY SUPPLIED BY		TO BE PROVIDED OR ARRANGED BY SUPPLIER
	AID	COOPERATING COUNTRY	AID	COOPERATING COUNTRY	
A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")					
(1) Office Space					X
(2) Office Equipment					X
(3) Housing and Utilities					X
(4) Furniture					X
(5) Household Equipment (Stoves, Refrig., etc.)					NA
(6) Transportation in Cooperating Country					X
(7) Transportation To and From Country					X
(8) Interpreter Services/Secretarial					X
(9) Medical Facilities					NA
(10) Vehicles (official)					NA
(11) Travel Arrangements/Tickers					X
Other (specify)					
(12)					
(13)					
(14)					
(15)					

B. Additional Facilities Available From Other Sources

APO

PX

COMMISSARY

OTHER (specify, e.g., duty free entry, tax exemption)

Contractor is not entitled to any of the above facilities.

C. Comments

Estimated Budget1. Staff time*

Professional

26 person-weeks (5 days each) @ \$1,900	\$49,400
12 person-weeks @ \$870	10,440

Secretarial

10 weeks @ \$350	3,500
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Total Staff Costs

\$63,3402. Defense Base Insurance

\$14,800 in salaries (4.65 person-months) @ \$8.75/ month/\$100 of salary	1,295
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3. Fees for Cooperating IRIs (estimated)

12,000

4. Per Diem and Incidental Travel Fund

Per Diem:

Amman--7 days @ \$62	\$ 434
Bangkok--7 days @ \$42	294
Bogotá--7 days @ \$40	280
Cairo--7 days @ \$58	406
Colombo--7 days @ \$35	245
Guatemala City--7 days @ \$41	287
Guayaquil--7 days @ \$45	315
Jakarta--7 days @ \$56	392
Karachi--7 days @ \$72	504
Khartoum--7 days @ \$73	511
Kumasa--7 days @ \$78	546
Manila--7 days @ \$40	280
Montevideo--7 days @ \$37	259
Nairobi--7 days @ \$49	343
New Delhi--7 days @ \$48	336
Oruro--7 days @ \$22	154
Santo Domingo--7 days @ \$42	294

* Staff time includes base salary + 16% vacation/sick leave + 19% fringe benefits + 36% institutional overhead.

São Paulo--7 days @ \$68	\$ 476	
Seoul--7 days @ \$54	378	
Singapore--7 days @ \$50	350	
Tunis--7 days @ \$54	378	
Washington, D. C.--20 days @ \$35	700	
	Total Per Diem	\$ 8,162

Airfares: *

6 trips, Denver-Washington, D. C. @ \$300	\$ 1,800	
Latin America (6 countries) @ \$1,300	1,300	
East Asia (4 countries) @ \$1,800	1,800	
North Africa-Middle East (3 countries) @ \$1,300	1,300	
South Asia (3 countries) @ \$2,200	2,200	
Sub-Saharan Africa (4 countries) @ \$1,900	1,900	
In-country travel (LDC surveys)	2,000	
	Total Airfares	\$12,300
	Total Travel	\$20,462

5. Report Preparation

Graphics and compositing	\$ 1,000	
Miscellaneous materials	1,000	
Reproduction (5,000 copies @ \$3.50)	17,500	
	Total Report Preparation	\$19,500

6. Communications Expense, Immunizations, Duplicating Costs, and Miscellaneous

		\$ 1,403
	Total Estimated Project Cost	\$118,000

* Where other AID-supported activities are coincident, it may be possible to cost-share transportation expense, in which event these estimates--which assume no such saving--will be on the high side.

STATEMENT ON UNSOLICITED PROPOSAL

To the best of my knowledge, no one from this Office solicited the specific proposal from the offeror exclusively, or assisted in the design of the project as initially submitted.

William L. Eilers Date: Aug. 2, 1978
William L. Eilers
Project Officer, UNCSTD
Office of Science and Technology

To the best of my knowledge, the above statement is correct. The proposed activity appears to be an original concept, scientifically feasible, and potentially useful in furthering the purposes and objectives of our program.

_____ Date: _____
Henry A. Arnold
Director
Office of Science & Technology

AGENCY FOR INTERNATIONAL DEVELOPMENT
**PROJECT AUTHORIZATION AND REQUEST
 FOR ALLOTMENT OF FUNDS PART I**

1. TRANSACTION CODE

A ADD
 C CHANGE
 D DELETE

PAF

2. DOCUMENT CODE
 5

3. COUNTRY/ENTITY

Interregional - RDA 19, Type B

4. DOCUMENT REVISION NUMBER

5. PROJECT NUMBER (7 digits)

931-1332

6. BUREAU OFFICE

A SYMBOL DSB B CODE 36

7. PROJECT TITLE (Maximum 40 characters)

Appropriate Technology Case Histories

8. PROJECT APPROVAL DECISION

ACTION TAKEN

A APPROVED
 D DISAPPROVED
 DL DEAUTHORIZED

9. EST. PERIOD OF IMPLEMENTATION

YRS 01 QTRS 0

10. APPROVED BUDGET AID APPROPRIATED FUNDS (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE		E. 1ST FY 78		H. 2ND FY		K. 3RD FY	
		C. GRANT	D. LOAN	F. GRANT	G. LOAN	I. GRANT	J. LOAN	L. GRANT	M. LOAN
(1) ST	759	870		118					
(2)									
(3)									
(4)									
TOTALS				118					

A. APPROPRIATION	N. 4TH FY		O. 5TH FY		LIFE OF PROJECT		11. PROJECT FUNDING AUTHORIZED	
	G. GRANT	P. LOAN	R. GRANT	S. LOAN	T. GRANT	U. LOAN	A. GRANT	B. LOAN
(1) ST					118		1	
(2)								
(3)								
(4) TOTALS					118		C. PROJECT FUNDING AUTHORIZED THRU 78	

12. INITIAL PROJECT FUNDING ALLOTMENT REQUESTED (\$000)

A. APPROPRIATION	B. ALLOTMENT REQUEST NO.	
	C. GRANT	D. LOAN
(1) ST	118	
(2)		
(3)		
(4) TOTALS	118	

13. FUNDS RESERVED FOR ALLOTMENT

TYPED NAME (Chief, SER/FM/FSD)

SIGNATURE

DATE

14. SOURCE/ORIGIN OF GOODS AND SERVICES

000 941 LOCAL OTHER

15. FOR AMENDMENTS, NATURE OF CHANGE PROPOSED

FILE

FOR PPC/PIAS USE ONLY	16. AUTHORIZING OFFICE SYMBOL	17. ACTION DATE	18. ACTION REFERENCE (Optional)	ACTION REFERENCE DATE
		MM DD YY		MM DD YY

PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS

PART II

ENTITY : Development Support Bureau
PROJECT : Appropriate Technology Case Histories
PROJECT NUMBER : 931-1332

A.I.D. grant financing in the amount of \$118,000 in FY 1978 funds is authorized to undertake a comparative analysis of especially productive examples of appropriate technology to determine common elements of their success and to derive generalized principles governing the process from concept through commercialization. AID/DS/SF in consultation with State/T/CST will develop a mailing list for the final report and affect distribution at least two months prior to UNCSTD.

This activity will require approximately eight months to implement.

Signature: Sander Levin

Sander Levin
AA/DS

Date: 8-22-78

Clearance:

DS/DAA/DT: JIBruce JIB

DS/PO: RCSimpson RCS 8/18/78

**ACTION MEMORANDUM FOR THE ASSISTANT ADMINISTRATOR
FOR DEVELOPMENT SUPPORT**

AUG 22 1978

THRU: DS/PO, Mr. Robert C. Simpson *RCS*

FROM: DS/ST, Henry A. Arnold *HAA*

Problem: To seek approval for a project entitled Appropriate Technology Case Histories, based on an unsolicited proposal from Denver Research Institute.

Discussion: The project is discussed below following main lines of a PP. PAF Parts I and II, a PP facesheet, and the unsolicited project proposal are attached with supplementary information.

Project Background and Description: This project is in direct support of AID's role in the UN Conference on Science and Technology for Development (UNCSTD). The output of this activity is required as a major input in developing U.S. position and background papers for UNCSTD. This project has already been discussed with the two senior legislative assistants in Congressman Long's office at their request; and it has been identified as a possible project activity in a GAO study of AID's response to legislation (PL 95-105) directing the Agency to place important emphasis on light capital technology in planning for UNCSTD. Chairman Long's Report on the FY 1979 Foreign Assistance Appropriations Bill most recently singles out light capital technology for urgent attention in AID programming and urges its acceptance as a principal focus of U.S. development policy. Accordingly, the Administrator has assigned high priority to light capital technology efforts, particularly those related to UNCSTD.

The key background elements for the project are the extensive experience of Denver Research Institute in working closely with a large number of industrial research institutes (IRIs) in developing countries, the substantial involvement and knowledge of these institutes in the evolution of more appropriate technologies in their countries and regions, and recognition that a sufficient number of examples of socially and economically useful appropriate technologies in developing countries now exist to warrant their study, individually and collectively, for UNCSTD and other purposes. The purpose of the project is to undertake comparative analyses of especially productive examples of appropriate technology to determine common elements of their success and to derive generalized principles governing the process from concept through commercialization. The output will be a comprehensive report of analyses and conclusions which will be made available as an authoritative resource for considering the relationship between technology and development at UNCSTD. The project will involve the help of some 20 industrial research institutes in as many developing countries in preparing at least one case history of particularly useful appropriate technology for each country. It will be completed in eight months at a total cost of \$118,000.

Project Analyses: In recent years, the emphasis in U.S. technological aid has begun to include light capital technology as well as more widely utilized advanced technologies intended to build infrastructure for a modern industrial society. Until quite recently, light capital technology has largely been the province of independent private or quasi-private organizations working alone or in cooperation with one another.

Some of these organizations, such as Volunteers in Technical Assistance (VITA), have existed for nearly a generation. They have undertaken a large number of projects in many developing countries. Some efforts have met with great success, introducing light capital technology into a situation in a country where it immediately catches on and becomes highly effective. Other efforts have been less successful for reasons not entirely clear.

Since much assistance with light capital technology has been rendered on a widely scattered basis with minimal communication, there is little information of what has been done, let alone what has worked and what has not and why. Some case studies have been published by various organizations, such as VITA's best selling "Village Technology Handbook." But these do not adequately meet the current need.

As AID moves into the area of light capital technology, with potential for increased input of resources, it becomes more important to have comprehensive information on past experience so that resources can be allocated with efficiency. A feasible approach is to examine in some depth representative projects in light capital or appropriate technology undertaken in a number of LDCs. Important conclusions could be drawn from cross-cutting analyses of reasons for undertaking a project, what was done, what resources were required, what the results were, what went right, what went wrong and why, and how a similar project in a similar environment might be handled in the future. A sufficient number of case histories developed from a single methodology and integrated in one analytical study would provide useful insight and guidance for future projects in light capital technology.

The project, in our opinion, is technically feasible. DRI is one of the country's leading industrial research organizations and the one with most extensive recent experience in collaboration with similar institutions in LDCs. They have necessary and sufficient experience and resources to undertake this definitive assessment of significant LDC experience with appropriate technology. This assessment would yield insights into the market for these technologies, difficulties encountered in persuading industry to invest in and introduce them, and the extent to which increased

employment can be generated through their application. It may also lead to generalizations and possibly a working model regarding conditions for their optimal application.

The environmental consequences of appropriate technology are normally positive in relationship to other technological choices. The report resulting from this project is expected to help developing countries better plan environmentally sound development.

This project is not included in our approved FY 1978 budget. Funds for the project will come from project 1086, U.S. Preparation for UN World Conference, which will be started at a lower level. The total cost of the study, \$118,000 in FY 1978 funds, includes \$63,340 for contractor staff time, \$20,462 for travel and per diem, \$19,500 for reproduction of 5,000 copies of the report, and an estimated \$12,000 in fees to cooperating industrial research institutions. The latter practice is normal and accepted as a regular operating procedure of DRI.

The developing country poor will benefit from this project through national and other actions taken in the appropriate technology field based on conclusions of UNCSTD. National delegations and other participants at the Conference will benefit from having a comparative analyses of appropriate technology experience as a resource to draw on for discussion and analysis.

In parallel, the report will be useful immediately to other groups. In particular:

- AID will benefit by having a compendium of experience from many LDC sources about an aspect of development with which the Agency has not been closely concerned in the past, but with which it is likely to be more involved in the future. Comparative analyses could serve as useful guides to AID personnel working in rural development and applying technology to human needs.
- IRIs will benefit from knowledge of a wider range of technologies suited to their clients; developing new linkages with a growing international movement; and the opportunity to generate practical local adaptations of foreign technologies suited to local markets in rural areas.
- Practitioners of light capital technology will gain from having available a useful appraisal of such technologies, including design and performance data, together with representative applications and problems associated with their adoption. The resulting volume will demonstrate how

leading IRIs in developing countries at various stages of growth have translated the concept of appropriate or light capital technology to a successful product or process, or, on the other hand, in some cases why the approach has not met expectations.

Implementation: The project will be managed by DS/ST. AID work force estimates for administration and review and for factoring results of the study into U.S. participation in UNCSTD will be approximately one-half man month. So far as we can determine, studies of this kind are not currently projected by A.T. International with any U.S. industrial research institution or similar organization. DRI will carry out surveys in cooperation with participating IRIs, using detailed, uniform questionnaires to generate information on individual technologies, the circumstances surrounding their application and impact, and second-order effects in economic and social terms.

Data collectors will interview users and others associated with and affected by a technology as well as those within a research institute who have been responsible for its adoption and application. A DRI analyst, well-versed in the technology and the conditions of its application, will analyze the field results in close cooperation with individuals who collected the data.

The final report will be available in draft to AID (DS/ST) after seven months for Agency-wide review and comment to DRI prior to its final publication and distribution. Distribution of 5,000 copies will be effected by DRI to a mailing list developed by AID/DS/ST in consultation with STATE/T/CST. The report will be circulated through normal diplomatic channels and other means at least two months prior to UNCSTD.

This project will be evaluated qualitatively by DS/ST based on feedback from recipients of the report, which will have a brief questionnaire enclosed encouraging readers to comment on the quality and usefulness of the report in fostering increased understanding and utilization of light capital/appropriate technologies.

Recommendation: That you approve the proposed project by signing the attached PAF, Part II.

Attachments:

1. PAF, Parts I and II
2. PP Facesheet
3. DRI Proposal INT7821R entitled
"A Proposal for a Representative Series of
Appropriate Technology Studies and Analyses"

Clearance:
DS/DAA/DT:JBruce



AUG 28 1978

MEMORANDUM

TO: SER/CM/COD/AN, Mr. Morton Darwin
FROM: AA/DS, Sander Levin ^{s/ Sandy}
SUBJECT: Justification for Noncompetitive Procurement

I recommend that we negotiate only with the Denver Research Institute to implement project 931-1332 Appropriate Technology Case Histories. The project proposal was unsolicited.

This is to certify that to the best of my knowledge no one in this office initiated contact with the offerer or otherwise requested this proposal.

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

Aug. 24, 1978

Memo to: SER/CM/COD Morton Darvin
Don Lake

From: DS/ST, William EilersWE

Subj: Justifications for Noncompetitive Procurement on the Basis of Unsolicited Proposals

The attached statements have been prepared to cover the two projects dealing with appropriate technology and UNCSTD which have been approved by AA/DS and should now be in Contracts. Mr. Levin signed the brief statement regarding unsolicited proposals, and I hope this together with the attached statement which follows the guidelines set forth in FPR 1-4.909 (d), 1-4.910 (b) and AIDPR 7-4.910 will satisfy the requirement. Since Mr. Levin signed the earlier statement, I felt it would be redundant and time wasting to ask that he once again sign the attached, although I am prepared to ask that he do so if you want to have this for the record.

I would appreciate your reaction to the attached statement, ie. whether this sort of statement will suffice for your requirements on unsolicited proposals. If so, we will generally adopt it in DS/ST and I may send it to Sandy Levin as a possible model for other DS offices.

August 24, 1978

MEMORANDUM

TO: SER/CM/COD/AN, Mr. Morton Darwin

FROM: DS/ST, William Eilers *WE*

SUBJECT: Justification for Noncompetitive Procurement
Based on an Unsolicited Proposal

I recommend that we negotiate only with the Denver Research Institute in procurement of the comprehensive study described in an unsolicited proposal entitled "Appropriate Technology Case Histories" (listed as Project 931-1332). The proposal was subjected to technical evaluation by the Office of Science and Technology and approved as scientifically sound, technically feasible, and potentially useful in furthering our program objectives. Its value as a desirable contribution to U.S. preparations for the U.N. Conference on Science and Technology for Development (UNCSTD) has been verified by the Office of the U.S. Coordinator for UNCSTD, Department of State. So far as can be determined, the results called for in the study are not available to the U.S. Government from another source and bears no resemblance to any pending competitive solicitation.

In our judgment, the study describes a meritorious approach to the problem of how the concept of appropriate technology can best be introduced and adopted in developing countries. The preparation and analysis of case studies as a means of developing a knowledge base on which to formulate projects is a well-accepted research technique. Yet, it is unique in this application, for the U.S. has yet to assess the experience of selected LDC applied and industrial research institutes in adapting appropriate technologies to the needs of their clients. The study is intended to provide a necessary data base on which to generate projects called for in Appropriate Technology, under provisions of Section 106 of the FAA, and in response to PL 95-105, which directs the Agency "to place important emphasis upon light capital technology in planning for and participating in UNCSTD." The proposing institution has conducted collaborative programs with industrial research institutes in more than 30 LDCs, and is, therefore, uniquely qualified by virtue of its experienced scientific staff and long-term relationships with these institutions to undertake the study.

With reference to A.I.D. PR Notice 78-4, dated May 25, 1978, I certify that neither I, nor to the best of my knowledge and belief, any other A.I.D. employee, solicited the proposal or had any prior contact with the proposing institution regarding the subject matter of the proposal, other than to convey a general idea of the Agency's interests in the field of appropriate technology relative to the efforts described in the unsolicited proposal.

I approve the above justification for noncompetitive procurement based on an unsolicited proposal from the Denver Research Institute as required by FPR 1-4.910 (b).

Sander Levin
Assistant Administrator for
Development Support