

AGENCY FOR INTERNATIONAL DEVELOPMENT

PROJECT DATA SHEET

1. TRANSACTION CODE

A = Add
 C = Change
 D = Delete

Amendment Number

DOCUMENT CODE

2. COUNTRY/ENTITY

Worldwide

3. PROJECT NUMBER

936-5701

4. BUREAU/OFFICE

S&T/EY

936

5. PROJECT TITLE (maximum 40 characters)

Low Cost Energy Technologies

6. PROJECT ASSISTANCE COMPLETION DATE (PACD)

MM DD YY
06 30 86

7. ESTIMATED DATE OF OBLIGATION
(Under 'B.' below, enter 1, 2, 3, or 4)

A. Initial FY 79 B. Quarter 4

C. Final FY 86

8. COSTS / \$000 OR EQUIVALENT \$1 =

A. FUNDING SOURCE	FIRST FY 79			LIFE OF PROJECT		
	B. FX	C. L/C	D. Total	E. FX	F. L/C	G. Total
AID Appropriated Total						
(Grant)	(914)	()	(914)	()	(6,239)	(6,239)
(Loan)	()	()	()	()	()	()
Other U.S. 1.						
2.						
Host Country						
Other Donor(s)						
TOTALS	914		914		6,239	6,239

9. SCHEDULE OF AID FUNDING (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	C. PRIMARY TECH. CODE		D. OBLIGATIONS TO DATE		E. AMOUNT APPROVED THIS ACTION		F. LIFE OF PROJECT	
		1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan
(1) SD				1,914				1,914	
(2) FN				3,525		400		4,325	
(3)									
(4)									
TOTALS				5,439		400		6,239	

10. SECONDARY TECHNICAL CODES (maximum 6 codes of 3 positions each)

11. SECONDARY PURPOSE CODES

12. SPECIAL CONCERNS CODES (maximum 7 codes of 4 positions each)

A. Code

B. Amount

13. PROJECT PURPOSE (maximum 480 characters)

To promote less developed country (LDC) use of small-scale, low cost, appropriate energy technology.

14. SCHEDULED EVALUATIONS

Interim MM YY MM YY Final MM YY
07 85 02 85 11 86

15. SOURCE/ORIGIN OF GOODS AND SERVICES

000 941 Local Other (Specify)

16. AMENDMENTS/NATURE OF CHANGE PROPOSED (This is page 1 of 3 page PP Amendment)

Authorization of FY 1985

17. APPROVED BY

Signature

Alan B. Jacobs

Title

Director, Office of Energy

Date Signed

MM DD YY
03 14 85

18. DATE DOCUMENT RECEIVED IN AID/W, OR FOR AID/W DCMENTS, DATE OF DISTRIBUTION

MM DD YY

PROJECT AUTHORIZATION AND REQUEST
FOR
ALLOTMENT OF FUNDS
PART II

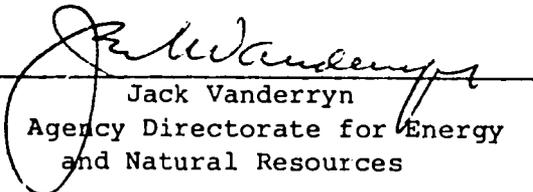
Name of Country: Worldwide
Name of Project: Low Cost Energy Technologies
Number of Project: 936-5701

1. Pursuant to Section 103 of the Foreign Assistance Act of 1961, as amended, the Low Cost Energy Technologies Project, which is centrally funded, was amended and re-authorized on December 7, 1982 at \$6,239,000 (\$1,914,000 from Sec. 106 and \$4,325,000 from Sec. 103) through FY 1984. The ^{purpose of the} authorization ^{is to}:

~~to~~ authorize obligation of up to \$400,000 through Fiscal Year FY-1986 subject to availability of funds.

2. A management review is to be conducted early in the third quarter of Fiscal Year 1985.

3. The authorization cited above remains in force except as hereby amended.


Jack Vanderryn
Agency Directorate for Energy
and Natural Resources

4-18-85
Date

Clearances:

S&T/EY, Alan B. Jacobs ABJ Date 3/22/85
S&T/PO, C. Kassebaum CK Date 4/19/85
S&T/PO, G. Eaton LEJ Date 3/27/85

AID/S&T/EY:SSchweitzer:kh:cj:12/12/84
Revised 1/16/85: Ext. 235-8918:3294N
Revised 3/8/85:3/20/85

15 MAR 1985

ACTION MEMORANDUM FOR S&T/EN JACK VANDERRYN

FROM: S&T/EY, Alan B. Jacobs

SUBJECT: Low Cost Energy Technologies Project (936-5701)

Problem: Your approval is needed to authorize FY 1985 funding for the continuation of the Low Cost Energy Technologies Project (936-5701) in the amount of \$400,000.

Background: The Cooperative Agreement with VITA has been extended until March 31, 1985 in order for VITA to complete work already started. At the suggestion of the Contracts Office and after discussions within S&T/EY it has been concluded that the Low Cost Energy Technologies Project will be better controlled through a contractual agreement with VITA rather than a continuation of the Cooperative Agreement. The attached Statement of Work describes the activities expected under the proposed contract.

Recommendation: That you authorize funding of \$350,000 for the contract with VITA subject to availability of funds and \$50,000 for the Water pumping and Evaluation Workshop in Africa by signing the attached PAF II.

Attachments:

PAF II

Non-Competitive Justification

Statement of Work

JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT

As a continuation of an ongoing effort, AID/W plans to negotiate a follow-on, non-competitive contract with Volunteers in Technical Assistance (VITA), 1815 North Lynn Street, Suite 200, Arlington, Virginia 22209, for the extension of technical assistance activities under the Low Cost Energy Technologies (LCET) Project. This will be a follow-on to Cooperative Agreement DSAN-CA-0182 with VITA. AID has determined that it is not feasible to obtain competition because of costly duplication and unacceptable delay in implementing the follow-on activities, and because of VITA's prior experience that makes it uniquely qualified to implement proposed project activities, as described below.

VITA has been providing technical information for five years under the LCET, and in the process has developed a comprehensive computerized renewable energy data base that contains about 5,000 documents on various aspects of renewable energy technologies for, and programs in, developing countries. Moreover, VITA's capability is augmented by: its maintenance of continuing information exchange agreements with over 250 institutions in the developing world; frequent contact with and support to renewable energy projects funded by AID missions; its on-line computer links with major U.S. energy data bases; and, most recently, its formal association with the BioEnergy Council.

VITA uses these resources in its renewable energy information service, providing customized technology searches and technical assistance to approximately 2,500 developing country requesters each year, including 34 requests from AID missions and numerous queries from AID/W in 1984. VITA extends its own expertise by training other organizations in information management; over 60 librarians from 24 countries have been trained in the last three years. Additionally, in the last two years this course has included the use of microcomputers in information systems management. VITA is in the forefront of organizations applying microcomputers to the needs of development programs and to relief efforts-in addition to renewable energy activities. VITA's information dissemination capability, moreover, includes publication and distribution of a number of renewable energy-related books and manuals, as well as VITA News, the quarterly magazine that facilitates frequent contact with renewable energy consumers and news makers around the world.

Further, VITA has project management expertise in the evaluation, testing, and marketing of small-scale renewable energy technologies. It has developed microcomputer programs to assist project designers to determine the technical and economic feas-

ibility of using wind or solar energy to pump water; prepare surveys of wind energy activities in Latin America and the Caribbean, and Africa; perform or participate in national energy assessments in Bolivia, Guinea, Ethiopia, and Djibouti; and is now implementing bilaterally-funded small-scale renewable energy projects in ten countries--Somalia, Djibouti, Chad, Rwanda, Mali, Thailand, Honduras, Panama, and Jamaica. Moreover, VITA provides short-term technical assistance to developing country projects: 51 consultancies were filled in 1984, including 31 in the renewable energy area and 40 to USAID missions.

VITA supplements this experience by participating in or sponsoring international seminars and conferences to keep abreast of the latest developments on renewable energy technologies for developing countries. VITA cosponsored a seminar on water pumping using wind energy with the American Wind Energy Association at their annual conference in August 1984; four developing country institutions participated. VITA, together with two European organizations, assisted in preparations for and participated in the international conference in October 1984 on establishing a global network to support the development and marketing of water-pumping windmills. And in March 1984, VITA chaired a seminar on water-pumping activities in developing countries at annual conference of the American Society of Mechanical Engineers.

VITA has also been actively involved in the development of an international woodstove network: for the last five years it has maintained an international woodstoves mailing list of over 70 organizations active in woodstove development and regularly disseminates materials. VITA has both conducted and participated in numerous seminars and conferences and served as the motivating force behind development of international standards for woodstove testing; and routinely responds to requests for information on woodstoves.

In addition, VITA was the sole U.S. institution to participate in a November 1984 meeting in Holland of international woodstove project funders and implementing institutions to begin development of the formal international network to coordinate woodstove activities discussed in the scope of work. As a result, VITA Woodstove Adviser Tim Wood was asked to serve as the U.S. consultant to prepare a multi-year international work plan for woodstove technology assessment, research and development, dissemination and marketing, and information sharing. The draft plan was discussed at a March 1985 meeting of interested donors and likely performing organizations, a final plan was prepared by Dr. Wood in late March 1985 and will be presented to interested donors in summer 1985.

Moreover, VITA's 4,600 volunteer experts in all fields of renewable energy offer their time and talent to provide technical information and other assistance on a voluntary basis to help keep VITA's operating costs low. Both volunteers and staff at all levels have hands-on experience in developing countries. This use of volunteers offers AID the services of experts at a cost significantly below the open private-sector cost.

In view of the experience of the current cooperative agreement--and VITA's proximity to AID/W offices and personnel, which facilitates a close working relationship--AID does not believe that any other U.S. source can successfully compete with VITA for the follow-on contract. Finally, VITA occupies headquarters literally around the corner from AID offices. This proximity is particularly important since VITA will be expected to work with AID/DIU library staff in the expansion of AID's existing renewable energy data base, incorporating the regional bureaus data base and S&T/EY operational needs, and assuring a system compatible with other USAID data bases. It is therefore planned to make this award to VITA.

Approved *Jack Vanderryn* Date 4-18-85
Disapproved _____ Date _____

Jack Vanderryn
Agency Director for Energy
and Natural Resources
Bureau for Science and Technology

Clearance: S&T/EY, Alan B. Jacobs *ABJ* Date 4/11/85
S&T/PO, Robert Meehan *RMM* Date 4/12/85