AGENCY FOR INTERNATIONAL DEVELOPMENT

PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS PART I

1. TRANSACTION CODE: C (A = ADD, C = CHANGE, D = DELETE)

PAF

2. DOCUMENT CODE: 5

3. COUNTRY/ENTITY: Worldwide

4. DOCUMENT REVISION NUMBER: 1

5. PROJECT NUMBER (7 digits): 936-5710

6. BUREAU/OFFICE: A. SYMBOL: S&T; B. CODE: 10

7. PROJECT TITLE (Maximum 40 characters): Photovoltaic Program

8. PROJECT APPROVAL DECISION — ACTION TAKEN: A - APPROVED; D - DISAPPROVED; DE - DEAUTHORIZED

9. EST. PERIOD OF IMPLEMENTATION: YRS. 05 QTRS. –

10. APPROVED BUDGET AID APPROPRIATED FUNDS ($000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE C. GRANT	PRIMARY TECH. CODE D. LOAN	E. 1ST FY 79 F. GRANT	E. 1ST FY 79 G. LOAN	H. 2ND FY 80 I. GRANT	H. 2ND FY 80 J. LOAN	K. 3RD FY 81 L. GRANT	K. 3RD FY 81 M. LOAN
(1) SDP				2,000		500		921	
(2)									
(3)									
(4)									
TOTALS									

A. APPROPRIATION	N. 4TH FY 82 O. GRANT	N. 4TH FY 82 P. LOAN	Q. 5TH FY 83 R. GRANT	Q. 5TH FY 83 S. LOAN	LIFE OF PROJECT T. GRANT	LIFE OF PROJECT U. LOAN
(1)	–		2,700*		6,121	
(2)						
(3)						
(4)						
TOTALS						

11. PROJECT FUNDING AUTHORIZED (ENTER APPROPRIATE CODE(S)): 1 = LIFE OF PROJECT; 2 = INCREMENTAL, LIFE OF PROJECT

	A. GRANT	B. LOAN
1 = LIFE OF PROJECT	–	
2 = INCREMENTAL, LIFE OF PROJECT	3	

C. PROJECT FUNDING AUTHORIZED THRU: FY 81

12. INITIAL PROJECT FUNDING ALLOTMENT REQUESTED ($000)

B. ALLOTMENT REQUEST NO. _____

A. APPROPRIATION	C. GRANT	D. LOAN
(1)	921	
(2)		
(3)		
(4)		
TOTALS		

13. FUNDS RESERVED FOR ALLOTMENT

TYPED NAME (Chief, SER/FM/FSD)

SIGNATURE

DATE

14. SOURCE/ORIGIN OF GOODS AND SERVICES: [ ] 000 [X] 941 [ ] LOCAL [ ] OTHER _____

15. FOR AMENDMENTS, NATURE OF CHANGE PROPOSED

*Funding beyond FY 82 will be determined after an evaluation held in the third quarter of FY 82 to decide on the value and level of possible S&T funding.

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

AID 1330-6 (7-76)

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PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS

Part II

ENTITY: Worldwide

PROJECT: Photovoltaic Development and Support Program

PROJECT NO.: 936-5710

I hereby authorize the extension of the PASA with NASA for $432,100 of FY 81 funds and an additional $488,900 in either FY 81 or FY 82 to finance this program as described in the original Project Paper as amended. Funding to date will then total $3,381,000. Approval and authorization of further funding of the program is subject to the strictures outlined below and subject to the availability of funds in accordance with A.I.D. allotment procedures.

The program will continue to be subject to periodic evaluations and reviews as stipulated in the amended Project Paper (Addendum II of the PP). In particular the next review will be held on or about December 1981. This will be a management review to determine progress to date and any problems or issues which could impeded achieving the purposes of the project. It will be conducted by the project manager, appropriate DSB offices and Regional Bureau representatives. Another review will be held in the third quarter of FY 82 in order to decide on the value and level of possible S&T funding beyond FY 82.

Consistent with the previous authorizations, decisions regarding selection of activities and approval and authorization of the program beyond the current total will be based upon the results of the evaluation requirements specified in Addendum II of the PP.

Curtis Farrar 8/11/81

Curtis Farrar
Acting Senior Assistant Administrator
Bureau for Science and Technology

A

ACTION MEMORANDUM FOR THE ACTING SENIOR ASSISTANT ADMINISTRATOR (S&T)

FROM: S&T/EY, Alan B. Jacobs DATE: July 27, 1981

Problem: Your approval is needed to authorize funding for the continuation of the Photovoltaic Development and Support Program (936-5710).

Background: The Photovoltaic Development and Support Program (PVDSP) was initiated in FY 79 as a five-year program with funding and program continuation to be contingent on periodic reviews and evaluations. NASA's Lewis Research Center (LeRC), under a PASA, implements the project which is conducted in coordination with the Department of Energy.

The status of the program and proposed continuation activities were summarized in a prior memorandum prepared on May 22, 1981. This memorandum was cleared by ASIA, LAC, Near East and appropriate offices in S&T (nee DSB); the information contained therein will not be repeated here.

Due to overall budget austerity, a changed emphasis for S&T programs and further evolution of the role of S&T, it is appropriate to redirect the PVDSP in the following way:

(1) to emphasize provision of technical assistance to USAID missions through the NASA personnel,

(2) to permit the program to be more responsive to field needs,

(3) to enable the NASA technical experts to identify cost-effective applications of the technology in the total AID program and, based on their technical expertise, to recommend adoption of the technology where specifically appropriate,

(4) to assure coordination, proper engineering analysis and maximum dissemination of the results of the overall Agency use of photovoltaic technology,

(5) to avoid unnecessary duplication in demonstrations and field testing,

(6) to require greater cost-sharing between the S&T/EY-funded PVDSP and AID projects funded from other sources.

The history of the program indicates that the desired redirection can be successfully accomplished

- Under a prior project, NASA/LeRC managed a co-financed effort in Upper Volta, 52% of the funding from USAID and 48% from DSB.

- Under the existing project, NASA/LeRC personnel assisted USAID/Tunisia in planning a $1 million USAID-funded project to apply and demonstrate photovoltaics. Under an amendment to the PVDSP PASA and with these USAID funds, NASA/LeRC is the overall project manager for the country-specific effort.

- Again under the existing project, NASA/LeRC is assisting USAID/Egypt to plan and design a major photovoltaic program. When it is completed and approved, NASA/LeRC is expected to manage the project implementation.

- The NASA/LeRC team, in its extensive travels to AID missions and interactions with USAID and host-country personnel, has demonstrated its sensitivity to the conditions in developing countries, its professionalism in dealing with the technical and personal aspects of in-country work, its interest in and commitment to the task and its awareness of AID goals and programs.

In the redirected program, hardware support of prototype demonstrations is not included, the core staff of the NASA/LeRC technicians will be maintained and the travel budget will be expanded to permit more technical assistance TDY's to USAID missions. Program-funded travel is considered an important element; without it the goal of stimulating greater mission use of the technology will be hindered due to restricted USAID invitational travel budgets.

The budget for FY 81 and FY 82 activities is attached. It includes support for seven person years of effort each year and twelve individual TDY's per year. The personnel to be funded will be responsible for the on-going activities of the project (health systems application) as well as undertake the technical assistance activities authorized for this continuation.

Recommendation: That you approve the continuation of the PVDSP by signing the attached PAF.

Approved: see attached

Disapproved: _____

Date: _____

Attachments:
1. Budget Table and Discussion
2. PAF

BUDGET

		FY 81	FY 82
I.	Personnel		
	7 person years @ $48,400/year (FY 81), 50,800/year (FY 82)	$338,800	$355,600
II.	Travel		
	International 12 trips/year @ $7,500/trip (RT air travel, $2,500; per diem, 30 days, $100/day)	90,000	90,000
	Domestic 12 trips/year @ $275/trip (RT air travel Cleveland/ Washington $200, per diem, 1 day, $75/day)	3,300	3,300
	TOTAL	$432,100	$488,900

Discussion of Budget Elements

Personnel

To handle the workload of on-going activities and to undertake the expanded technical assistance of this authorization, seven person-years of effort will be expended each year. The overall project manager of the PVDSP devotes essentially full time to the project (one person year each year). A project officer is given responsibility for each major activity (country health applications, planning teams, etc.) (a total of three person years each year). Project engineers (two person years) provide expert engineering guidance and administrative and secretarial assistance (one person-year) is obtained as appropriate. These figures represent the level of effort; more than seven individuals will be involved in the project activities since NASA/LeRC employs its considerable technical resources on an as-needed basis to satisfy specific requirements of each project.

For planning purposes NASA/LeRC uses the following salary calculations for reimbursable work for federal agencies. Actual salary costs however are billed to each reimbursable project. To the salary for each person who is directly supported by a project, NASA/LeRC adds an overhead figure for in-house technical support, computer facilities, procurement, etc. For FY 81, this planning figure is $48,400/person year total ($38,600 salary and $9,800 overhead). For FY 82 the figure is $50,800/person year ($40,000 salary and $10,800 overhead).

Travel

The estimated travel budget assumes three trips per region, twelve per year. Round trip air fare from Cleveland is estimated to be $2,500/trip; per diem costs of $100/day, 30 days per trip. In addition to the international travel, periodic visits to Washington will be needed for project reviews, etc. Twelve such trips are budgeted at $200 for air travel and 1 day each @ $75/day.