

1. PROJECT NO. AID/csd-2833	2. PAR FOR PERIOD: 11/70 TO 1/75	3. COUNTRY worldwide	4. PAR SERIAL NO. 9390129-4
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5. PROJECT TITLE
A grant to Strengthen the Capabilities of the University of Hawaii in Biology and Mineralogy of Tropical Soils. PD-AAC-575-61 1/2

6. PROJECT DURATION: Began FY 1971 Ends FY 1976	7. DATE LATEST PROP	8. DATE LATEST PIP	9. DATE PRIOR PAR 12/12/73
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10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 471,000	b. Current FY Estimated Budget: \$ 29,000 (FY 75)	c. Estimated Budget to completion After Current FY: \$ none
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME	b. CONTRACT, PASA OR VOL. AG. NO.
University of Hawaii	AID/csd-2833

I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X)			B. LIST OF ACTIONS.	C. PROPOSED ACTION COMPLETION DATE
USAID	AID/W	HOCT		
	TA/AGR		1. Accepts the Review Panel's report and recommendations.	
	TA/AGR		2. Recommends that: A) the grant be revised and extended for a period of two years in accordance with the PAR Narrative, and B) the revised grant should include terms and conditions listed below: a). Revision of grant purpose with subject focus on soil mineralogy and soil microbiology (nitrogen fixation) with emphasis on utilization of UH's capabilities in the former subject, and building UH's capabilities in the latter subject, for the benefit of small farmers in LDCs. b). Specificity of the grant outputs with emphasis on: state-of-the-art studies, advisory capacity (faculty release time), research and training capacity, soils utilization data bank, problem oriented workshops, technology transferrance publications. c). Continuation of strengthened grant management.	
	TA/AGR		3. If UH finds the requested changes and conditions for grant extension unacceptable, immediate steps be taken to phase out the present grant.	

D. REPLANNING REQUIRED	REVISOR OR NEW	<input type="checkbox"/> PROP	<input type="checkbox"/> PIP	<input type="checkbox"/> PRO AG	<input type="checkbox"/> PIO/T	<input type="checkbox"/> PIO/C	<input type="checkbox"/> PIS/P	DATE OF MISSION REVIEW
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PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE Dr. Tejpal S. Gill <i>TS</i> 7-22-75	MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE Dr. Leon F. Hesser <i>LH</i> Acting Director, TA/AGR
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KST *TS* *7/23/75*

PROJECT APPRAISAL REPORT - PART III NARRATIVE

A Grant to strengthen the Capabilities of the University of Hawaii in Relation to Biology and Mineralogy of Tropical Soils. AID/csd-2833

A comprehensive review of this grant was conducted by an agency review panel at Honolulu, Hawaii on January 8-10, 1975. Panel's report of the review is attached.

The panel's recommendations on the grant and TA/AGR's position on these recommendations are given below:

Panel's recommendations:

The following summary recommendations to TA/AGR management should be considered within the framework of the findings and conclusions developed above and expanded upon in several of the appendices.

1. A two-year extension and revision of the present 211(d) grant to the University of Hawaii should be processed under the following terms and conditions:
 - a) The purpose of the grant should change the emphasis from development of institutional competence to focused and sustained utilization (as detailed below) in the solution of problems focusing on the small LDC farmer.
 - b) Grant focus to continue a concern with soil mineralogy but in terms of utilization not competence-building. Concern with soil biology should be redefined as microbiology with emphasis on nitrogen fixation - including, if necessary, the building or strengthening of institutional response capability. In the latter case, there should be a clear specification of (1) what competence is needed, (2) how it will be expanded and/or strengthened; and (3) the relationship of the new competence to grant purpose and AID's objectives, e.g., increased food production.
 - c) UH to develop and articulate a research strategy related to grant purpose in consultation with its own faculty, other interested institutions, and AID. It should include the selection, in cooperation if possible with other soils consortium members and acceptable to AID, of problems/subjects for concentrated effort and which exploit the strengths of Hawaii's competence base.

- d) Objectives or outputs of grant-financed activity to include state-of-the-art work, establishment of an international soils utilization data bank, participation in problem-oriented workshops with LDCs and international research centers, and the production of publications, textbooks, manuals, handbooks, "how-to-do-it" bulletins, etc., useful to the transfer of knowledge.
- e) Funds be made available to provide at least 2 MY equivalents of faculty release time for quick response in a retainer mode. When not needed for responding to field or central office request, funds be used to sustain capacity in active utilization by accelerating state-of-the-art and similar work.

. . . TA/AGR concurs with the panel's recommendations.

2. Assurances should be obtained from UH that recent improvement in grant management will be continued, including:

- a) Closer control over the programming, allocation and use of grant funds in terms of grant purpose and agreed-upon strategies.
- b) Increased inter and intra-department participation (with AID inputs as appropriate) in establishing grant policy, priorities, strategy, and similar decisions.
- c) Increased attention to identifying the relevance of research findings to LDC needs and more initiative in flagging the importance of such results to AID central bureaus and field missions.
- d) Related to (c) above, better reporting of activities, events, findings, progress, problems, etc., in a manner useful to AID and understood by non-technicians and busy administrators.

. . . TA/AGR concurs with the panel's recommendations.

3. TA/AGR, in negotiating and discussing terms and conditions with UH, should also take the following actions:

- a) Explore how grant and other AID-financed activity can or should be tied into the proposed Hawaiian Institute for Tropical Agriculture to be financed from funds which may be available from the ARS under Section 406 of the Food and Peace Action of 1966 and its effect, if any, for continuing 211(d) grant support.

- b) Indicate clearly what AFD wants in the terms of problem-orientation, state-of-the-art subjects, and specific response capabilities, e.g., project design, professional backstopping of operational projects, and special training for selected LDC audiences.
- c) Ascertain UH and regional bureau interest in making quick inventories of the nutrient status of LDC areas planned for agricultural development.
- d) Exercise caution in programming additional contract work to UH in tropical soils without first assuring itself that such work will not stretch existing capacities to the extent that current work or quick response capacity will suffer.
- e) Determine if a programmed and specialized linkage with one or more specified international and national agriculture research centers would be useful to the achievement of grant purpose.

. . . TA/AGR concurs with the panel's recommendations.

4. Grant funds should not be made available at this time for any consortium superstructure or resource center, although the need, purpose and form should be reviewed again after joint experience has been gained in state-of-the-art studies, problem-oriented activity, etc.

. . . TA/AGR concurs with this recommendation.

5. The proposals of the soils consortium members for grant extensions should be considered on their individual merits. However, where appropriate and useful, grant terms should encourage and facilitate - including flexibility to use grant funds - joint endeavors, particularly at the technical level. Examples include:

- * state-of-the-art work
- * design of an integrated soils data bank
- * field training
- * designing and/or participating in problem-focused workshops
- * research

. . . TA/AGR concurs with the panel's recommendation.

TA/AGR: 7/22/75