

PROJECT APPRAISAL REPORT (PAR)

RS/PS
5040039-4

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1. PROJECT NO. 504-11-120-039	2. PAR FOR PERIOD: FY 1967 TO May, 1971	3. COUNTRY GUYANA	4. PAR SERIAL NO. FY 1971-3
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5. PROJECT TITLE
DIVERSIFICATION & DEVELOPMENT OF AGRICULTURE

6. PROJECT DURATION: Began FY 1967 Ends FY 1975	7. DATE LATEST PROP 7/30/1970 ✓	8. DATE LATEST PIP NONE	9. DATE PRIOR PAR 9/8/1970 ✓
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10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 1,015,000	b. Current FY Estimated Budget: \$ 430,000	c. Estimated Budget to completion After Current FY: \$ 1,275,000
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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 Florida	504-UNN-6-7 ?

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	HOST		
X			<p>The present project design assumes accelerated institutional developments at Lbini embracing an accelerated building program, proper staffing (professional and non-professional) and associated budgeting and administrative arrangements. It is, therefore, recommended that the Project Design be referred to the responsible officials of the GOG for their endorsement.</p> <p>Following are actions called for on the basis of the accelerated plan, along with suggested completion dates. These actions are all proposed in either the Project Design or the Performance Evaluation. They are presented here in summary form as "talking points" that might be taken up with the GOG and the University of Florida in the discussions that will likely follow after the Project Design is presented to the GOG for its endorsement.</p> <p>1. The ability to turn an agricultural plan for the intermediate savannahs into an action plan will depend in large measure on the simultaneous development of an infrastructural plan for the same region. Accordingly, it is recommended that the responsible officials of the GOG give serious attention to the development of such a plan. Because of the timing of the agricultural plan to be produced under Project 039 (the first "cut" is targeted to be completed by May, 1973) it is recommended further that action be taken by the GOG to undertake such a plan during 1972, and that appropriate funds be budgeted in the GOG 1972 budget. Alternatively, the GOG may wish to use funds provided under AID Loan 009 ... Cont.</p>	May, 1971

D. REPLANNING REQUIRES
REVISED OR NEW: PROP PIP PRO AG PIO/T PIO/S PIO/P

E. DATE OF MISSION REVIEW
April, May 1971

PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE
Charles Padgett

MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE
Robert C. Mamer 5/25/71

1.B. List of Actions (Continued)

for this purpose. This is a GOG action. A plan of action probably should be established no later than the Fall of 1971.

2. Because proper staffing at the Ebini Research Station is critical to the achievement of the project purpose, and because training has lagged behind earlier expectations it is recommended that the following steps be taken with respect to training:

(a) Candidate qualifications for the training of the 10 professionals to be located at Ebini be determined. University of Florida action; with completion by July, 1971.

(b) Training needs of the sub-professional staff to be located at Ebini be identified. University of Florida and GOG action, with completion by July, 1971.

(c) Associated training programs, for professionals and sub-professionals, be developed. University of Florida action, with completion by the end of July, 1971.

(d) A training timetable be established, indicating dates to begin selection, dates of final selection, dates in training, and dates for return to Guyana. A University of Florida action, to be completed by end of July, 1971.

(e) Steps be taken to make more qualified Guyanese available for training at the University of Florida. A GOG action, with completion by end of July, 1971.

3. Although considerable planning with respect to the physical plant at Ebini has already been undertaken it is recommended that priority now be given to the development of building and equipment plans for the following:

(a) Staff housing, office building, laboratory and abattoir. A GOG and University of Florida action, with completion by the end of September, 1971.

(b) Water facilities for livestock, irrigation and domestic use, and electric power facilities. A GOG and University of Florida action, with completion by the end of September, 1971.

(c) School and dispensary, with discussions to be undertaken among the Ministries of Agriculture, Education and Health by the end of September, 1971, with the development of an appropriate plan of action by year-end.

(d) In addition, a complete listing of equipment requirements should be prepared related to the entire building program, and an associated timetable for procurement developed, showing estimated ordering dates, estimated bid dates, and estimated arrival dates in Guyana. University of Florida and GOG action, with completion by October, 1971.

4. In order to correct the problems that have arisen in the crops area at Ebini it is recommended that steps be taken to obtain personnel in this area with a higher degree of competence, and that appropriate budgeted funds be allocated to this area. Additionally, it is recommended that steps be taken to improve the coordination between the

II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS

A. INPUT OR ACTION AGENT CONTRACTOR, PARTICIPATING AGENCY OR VOLUNTARY AGENCY	B. PERFORMANCE AGAINST PLAN							C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X)					
	UNSATISFACTORY		SATISFACTORY			OUT-STANDING		LOW		MEDIUM		HIGH	
	1	2	3	4	5	6	7	1	2	3	4	5	
1. University of Florida					X								X
2.													
3.													

Comment on key factors determining rating: The University of Florida has an exceptionally good understanding of the project, has excellent relations with host country nationals, effectively utilizes local staff, adheres to its work schedule, and recruits its personnel in a timely manner. Additionally, the technical qualifications of its personnel is good, as is its management of the project, administration of participants, and candor and utility of its reports.

The University was instrumental in improving calving performance from 40% to 70%, while mortality dropped from 20% to 7%, and in identifying new peanut and soybean varieties.

4. PARTICIPANT TRAINING	1	2	3	4	5	6	7	1	2	3	4	5
				X								X

Comment on key factors determining rating: Orientation of participants has been superior. Host country funding, trainee selection has been as planned. Training by Florida has been relevant to the project, and employment for Florida trainees has been appropriate to the project. Supervisor receptiveness of all trainees has been good. The above rating is for Florida trainees only. Training sponsored directly by the USAID and at the Tuskegee Institute has not been relevant to the project purpose.

5. COMMODITIES	1	2	3	4	5	6	7	1	2	3	4	5
			X									X

Comment on key factors determining rating: Commodities have been appropriate to project needs. Storage has been adequate. Provision of maintenance and spares has been adequate, and the commodities have been appropriately used. On the other hand, procurement has encountered delays, and delivery to point of use has been slower than anticipated. Commodity records and controls need improvement.

6. COOPERATING COUNTRY	a. PERSONNEL											
	1	2	3	4	5	6	7	1	2	3	4	5
				X								X
	b. OTHER											
					X							X

Comment on key factors determining rating: GOG performance with respect to project implementation, willingness to work in rural areas, and acceptance of the project purpose has been superior. GOG performance with respect to maintenance of facilities and equipment, receptiveness to change and dissemination of project benefits has also been superior. No serious problems have arisen within the GOG bureaucracy. Leadership and planning have been adequate. On the other hand performance between livestock and crops has varied markedly. The technical skills of persons assigned to work in the livestock area has been superior, while in crops these have been inadequate. Similarly, while the continuity of staff in livestock has been satisfactory it has been unsatisfactory in the crops area. Project funding shows a similar discrepancy.

7. OTHER DONORS	N.A.											
	1	2	3	4	5	6	7	1	2	3	4	5

(See Next Page for Comments on Other Donors)

I.B. List of Actions (Continued)

crops and livestock areas at Ebini. A GOG action, with completion by November, 1971.

5. It is recommended that steps be taken to speed up the in-country delivery of commodities. A GOG action, with completion by September, 1971.

6. It is recommended that a complete listing of farm machinery needs be prepared, and an associated timetable for procurement developed showing estimated ordering dates, estimated bid dates and estimated arrival dates in Guyana. University of Florida and GOG action, with completion by October, 1971.

7. In order for the GOG, the University of Florida and the USAID to better mobilize their resources it is recommended that a detailed financial plan be prepared, this to be on a calendar year basis for the GOG portion and on a fiscal year basis for the University portion. This plan would reflect the individual targets shown in the Project Design (and repeated in the PAR), the aforementioned training plan (recommendation 2.(d)), and the aforementioned procurement plans (recommendations 3.(d) and 6). University of Florida and GOG action, with completion by the end of October, 1971.

The following two recommendations are made irrespective of the endorsement of the GOG in the accelerated program. Both are USAID actions, and should be taken as soon as practical.

8. Because USAID funded participants, and funding for the Tuskegee Institute, heretofore handled under Project 039, have no relevancy for the purposes of this project it is recommended that henceforth these activities be transferred to Project 030, General Training.

9. Because the Project Design developed during this evaluation is considerably different than shown in the current PROP for Project 039, it is recommended that a new PROP be prepared, reflecting the present Project Design.

IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged. Develop for planning purposes economically viable agricultural planning systems (input-output combinations) for the intermediate savannahs. ^{2. Same as in PROP?} YES NO

B. 1. Conditions which will exist when above purpose is achieved.	2. Evidence to date of progress toward these conditions.
<ol style="list-style-type: none"> 1. There will exist detailed plans for the development of agriculture in the intermediate savannahs. 2. There will exist at Ebini a viable agricultural research station to continue the research required for further planning. 3. The GOG will budget funds for the augmented operations of the Ebini Station, and will turn to Ebini for the development of inputs for future agricultural development and national development plans. 4. At some reasonable time after the completion of the project international organizations and commercial enterprises will lend or invest money in agriculture in the savannah region. 	<ol style="list-style-type: none"> 1. Informational outputs needed for the development of the plan have been significant, with respect to peanuts, soybeans, cassava, forages, sorghum, corn, cattle breeding and cattle management. 2. The building program at Ebini has begun, with 75% completion of a workshop, 90% completion of storage facilities, and the completion of recreation and farm machinery buildings. 3. The capital plus operational budget (less salaries) has increased from approximately G\$60,000 in 1969 to G\$150,000 in 1971. Also, the GOG has utilized information provided at Ebini for the development of commercial scale production of peanuts, soybeans and sorghum.

V. PROGRAMMING GOAL

A. Statement of Programming Goal
To diversify and develop agriculture.

B. Will the achievement of the project purpose make a significant contribution to the programming goal, given the magnitude of the national problem? Cite evidence.
Yes. Achievement of the project purpose will set the stage for the development of an action program to grow crops other than rice and sugar (currently the major agricultural crops grown in Guyana) on a commercial scale in the intermediate savannahs.

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4(a)

Outputs

1. Definition of the resource base and population to which information results will apply;
2. Determination of relevant crop and livestock alternatives and the levels of technology, management, and crop and livestock yields to use;
3. Determination of which factor and product prices, machinery and overhead costs to use;
4. Specifications of the relevant institutional restraints;
5. Evaluation of feasible alternatives for agricultural production firms in the area;
6. Establishment of a viable, institutionalized research station at Ebini.

Note: The evaluation of this project was undertaken in two sessions, the first during April 11-13 and the second during May 17-20. Full-time participants at the first session were:

Government of Guyana

1. Ben Carter, Chief Agricultural Officer, Ministry of Agriculture
2. Robert Wyatt, Principle Assistant Secretary, Ministry of Agriculture
3. Noel Holder, Director Ebini Agriculture Research Station

University of Florida

1. Hugh Popenoe, Director of International Programs, Center for Tropical Agriculture
2. Gerald Mott, Director of Guyana Program

USAID a/

1. Charles Padgett, Rural Development Officer & Project Manager
2. Robert Klein, Program and Evaluation Officer
3. John Sapp, Assistant Program Officer

Full-time participants at the second session included all of the above except Robert Wyatt of the Ministry and Hugh Popenoe of the University. Replacing them were Hilbertus Chesney, Principle Agriculture Officer (Research), Ministry of Agriculture, and Robert Eddelman, Department of Agricultural Economics, University of Florida.

A copy of this PAR is being sent to all participants.

a/ In addition to these USG officials, the first session was attended by James Munson from Practical Concepts, Inc. and Robert Herder and Edwin Fox of AID/Washington.