

PROJECT APPRAISAL REPORT (PAR)

PAGE 1

1. PROJECT NO. 386-11-110-281.4	2. PAR FOR PERIOD: 7/1/72 TO 6/30/73	3. COUNTRY India	4. PAR SERIAL NO. FY 74-5 5p.
------------------------------------	---	---------------------	----------------------------------

THIS IS A TERMINAL PAR.

Agricultural Universities Development - Punjab Agricultural University (PAU)

5. PROJECT DURATION: Began FY 1964 Ends FY 1973	7. DATE LATEST PROP 6/8/71	8. DATE LATEST PIP	9. DATE PRIOR PAR 3/16/73
10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 2,237,000	b. Current FY Estimated Budget: \$ 74	c. Estimated Budget to completion After Current FY: \$

11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME The Ohio State University	b. CONTRACT, PASA OR VOL. AG. NO. AID/nesa-147
--------------------------------------	---

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		
			<p>No action required as the project phased out as of June 30, 1973</p> <p>The indepth evaluation which was planned to review project accomplishment had to be discontinued at the request of the GOI.</p>	

D. RE-PLANNING REQUIRED REVISED 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"/> PIO/P	E. DATE OF MISSION REVIEW September 11, 1973
PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE Ervin T. Bullard <i>EB</i>	MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE Howard E. Houston <i>HEH</i>

II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS

A. INPUT OR ACTION AGENT	B. PERFORMANCE AGAINST PLAN							C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X)				
	UNSATISFACTORY		SATISFACTORY			OUTSTANDING		LCW		MEDIUM		HIGH
	1	2	3	4	5	6	7	1	2	3	4	5
1. The Ohio State University						X					X	
2.												
3.												

Comment on key factors determining rating

Only one technician on Soil Survey was on board during the report period. He made/very valuable contribution to the development of the Pedology Group, long-range academic plan, and establishment of X-ray laboratory for soil mineralogy characterisation in the Department of Soils at the Punjab Agricultural University.

4. PARTICIPANT TRAINING						X								X
-------------------------	--	--	--	--	--	---	--	--	--	--	--	--	--	---

Comment on key factors determining rating

Since December 1971 no participants have gone for training in USA. In all 68 participants have been trained during the last 10 years. Those who successfully completed the training are being effectively utilized, with some of them holding top positions in the University.

5. COMMODITIES							X						X	
----------------	--	--	--	--	--	--	---	--	--	--	--	--	---	--

Comment on key factors determining rating

All the equipment procured during the operational period of this project has been turned over to the University for its continued use in the on-going activities in different fields.

6. COOPERATING COUNTRY	a. PERSONNEL							X						X
	b. OTHER							X						X

Comment on key factors determining rating In general the University provided excellent support to the Ohio State University Team members, and the Faculty members cooperated fully with them. The integration of teaching, research and extension, which is the basic feature of an agricultural university, patterned after the Land Grant University education system in USA has been effectively achieved. The university has excellent relations with the State-government and the departments of agriculture, animal husbandry and forests. This has been accomplished by clear cut demarcation of functions of the university and the state development departments and extension agencies, and bringing about close coordination between them by assigning responsible positions to the state officers and heads of development departments or their representatives on the university committees and sub-committees and to the University's faculty members on various committees of the government and state development departments. The state agriculture under this arrangement has made spectacular progress, the university playing a vital role in undertaking problem-oriented research, effective extension education, and meaningful teaching and training programs.

7. OTHER DONORS						X							X	
-----------------	--	--	--	--	--	---	--	--	--	--	--	--	---	--

(See Next Page for Comments on Other Donors)

AID 1020-23(10-70) PAGE 3 PAR	PROJECT NO. 386-11-110-281.4	PAR FOR PERIOD: 7/1/72 to 6/30/73	COUNTRY India	PAR SERIAL NO. FY 74-5
----------------------------------	---------------------------------	--------------------------------------	------------------	---------------------------

II. 7. Continued: Comment on key factors determining rating of Other Donors

The Ford Foundation continued to provide assistance for the Agricultural Engineering College of the University

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMULATIVE PRIOR FY	CURRENT FY 73		FY 74	FY 75	
			TO DATE	TO END			
1. Participants (a) OSU/USAID (b) PAU (c) Others Staff in position on 6/15/73- R/R	PLANNED	59 30,40	5,5,5	5,5,5	-	-	64, 35, 45
	ACTUAL PERFORMANCE	69,36 39	-				
	REPLANNED						
2. Graduates (a) B.Sc. (b) M.Sc. (c) Ph.D.	Admitted PLANNED	4372; 1771;389	525;202 57	525, 202 57	525;202 57	-	4897;1973; 446
	Graduates PERFORMANCE	2655; 1200;95	257;126 27				
	REPLANNED						
3. Research; projected, started and completed (total active/projects)	PLANNED	400	400	400			400
	ACTUAL PERFORMANCE	395	426				
	REPLANNED						
4. Extension Education (a) Training sessions (b) Field demonstrations (Demonstrations and Training Camps)	PLANNED	95 225	95 225	95 225			95 225
	ACTUAL PERFORMANCE	108 232	129 332				
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT: The preparation of overall long-range plan has received, but only scant attention. Some plans have, however, been drawn up by different departments. In spite of the absence of consolidation of these plans, the University has made impressive progress.					
1. Long-range academic Plan.							
2. Buildings and physical facilities per plan.		COMMENT: The University buildings and grounds are extensive and well laid out. The physical facilities are being continuously improved. The Library building has been completed, additional lodging facilities have been provided, and work is in progress to complete the Veterinary Science complex, soil labs., and museum of Punjab social history etc. The University will do well to determine the future needs and develop the campus as per requirements.					
3. Trust Fund rupee activities.		COMMENT: Only one rupee project, "Quality evaluation of wheat lines in the Breeding Program", carried forward from the previous year was active and successfully completed during the year.					

AID 1020-28 (10-70) PAGE 4 PAR	PROJECT NO. 386-11-110-281.4	PAR FOR PERIOD: 7/1/72 to 6/30/73	COUNTRY India	PAR SERIAL NO. FY 74-5
-----------------------------------	---------------------------------	--------------------------------------	------------------	---------------------------

IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.

2. Same as in PROP? YES NO

Establishment and development of service-oriented state agricultural universities to the point where they have the capacity for planning and administering fully integrated state-wide programs in agricultural teaching, research and extension education.

B. 1. Conditions which will exist when above purpose is achieved.

2. Evidence to date of progress toward these conditions.

1. Adequate physical plant per plan.

1. Buildings and grounds are functional and attractive. The new library building is outstanding providing accommodation for 760 readers and 300,000 books. Construction work of Veterinary Science Complex and the Museum of Social History proceeded on schedule. A long term plan will ensure a still better construction program.

2. Integration of extension, research and teaching is operating on departmental level.

2. The integration of its teaching, research and extension activities is the most significant feature of the University with state-wide responsibility for agricultural research and extension education. Every member of the staff combines in his work all the three functions. There is also an excellent relationship between the PAU and the State Department of Agriculture and other development and extension agencies. Farmers take keen interest in the University programs and cooperate fully in extension activities.

3. Long term Development Plan used as a basis for program implementation.

3. After initial effort in drawing up the long-range plan, not much attention has been paid to complete it. The University will do well in working it out so (cont)

V. PROGRAMMING GOAL

A. Statement of Programming Goal

The broad objective of this project is to assist the PAU in achieving continued rapid growth in the agriculture of the state and of the country.

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.

The PAU has been widely recognized as an outstanding institution which has played pivotal role in modernizing Punjab agriculture. Since 1965-66, the total production of foodgrains in the state has more than doubled, while that of wheat and rice has tripled. Punjab is the major supplier of wheat to other parts of India, making the largest (70-75 percent) contribution to the country's procurement pool.

The University is very popular with the Punjab farmers who visit the campus quite frequently to know what is new in agriculture and to attend numerous short training courses. The packages of practices developed jointly by the staff members of PAU and the Department of Agriculture are accepted with confidence. They have contributed greatly to rapid increase in per acre yield of major crops and farm income.

- B. 1. Conditions which will exist 2. Evidence to date of progress toward when above purpose is achieved. these conditions
-

Item 3. (contd.)

as to remove this weakness in an otherwise excellent progress made in various directions.

4. Public financial support is adequate.

4. The financial support is quite adequate in relation to primary needs; the state government contributing nearly 70% to the annual budget, ICAR 20-25%, the GOI, other semi-government foundations, organizations and private industry, the rest 5-10%. With the already developed infra-structure, the institution has a capacity to utilize more funds profitably for quicker development.

5. University staffed with adequate trained personnel.

5. The University had 848 full-time professionals on June 15, 1973. Of these 264 were Ph. D. and 554 M. Sc. About 80 members of the staff have one year or more of training in foreign countries. The essential qualification for the posts of Professors and Associate Professors is Ph. D. in their relevant subjects. The teacher-student ratio is 1:6.

6. Curriculum is relevant to the needs of students.

6. The courses of study under various training programs have been carefully prepared, keeping in view the needs of the country. The curricula appears to be adequate as is evident from the employment record of the graduates, especially M. Scs and Ph. Ds.

7. Effective administrative performance.

7. Administration on the whole, was good at various levels. A couple of times, however, there was friction between students and administrators which caused dislocation of teaching work. But such interruptions were not serious enough to reduce the overall effectiveness of the University.

8. University program is responsive to the needs of the State.

8. All the training, research and extension education programs are farm problem-oriented. The PAU is widely accepted as an authority on agricultural matters by the farmers and other citizens of the state, both in official and non-official circles.

9. Functional professional linkages with other Indian and foreign agricultural institutions.

9. The University has good linkages with the Ohio State University and most of the Indian Agricultural Universities. In international development programs also, the PAU has been actively involved.