

ISN = 23467

FD-AAS-317

A.I.D.
Reference Center
Room 1656 NS

AID 1020-25 (7-68)		SECURITY CLASSIFICATION		001 PROJECT NUMBER	
PROJECT APPRAISAL REPORT (PAR) (U-446) See M.O. 1026.1		UNCLASSIFIED		391-11-660-146	
002 PAR	MO.	DAY	YR.	003 U.S. OBLIGATION SPAN	004 PROJECT TITLE
AS OF:	07	01	69	FY 61 Thru FY 69	West Pakistan Agricultural University (391-11-660-146)
005 COOPERATING COUNTRY - REGION - AID/W OFFICE					
WEST PAKISTAN					

006 FUNDING TABLE

AID DOLLAR FINANCING-OBLIGATIONS (\$000)	TOTAL	CONTRACT (NON-ADD)	PERSONNEL SERVICES			PARTICIPANTS		COMMODITIES		OTHER COSTS	
			AID	PASA	CONTRACT	DIR. PASA	CONTRACT	DIR. PASA	CONTRACT	DIR. PASA	CONTRACT
CUMULATIVE NET THRU ACTUAL YEAR (FY 19 59)	2,073	2,073			998	130	916			29	-
PROPOSED OPERATIONAL YEAR (FY 19 70)	-	--			-		--			-	-

CCC VALUE OF P.L. 480 COMMODITIES (\$000) → Thru Actual Year : -- Operational Year Program : --

007 IMPLEMENTING AGENCY TABLE

If contractors or participating agencies are employed, enter the name and contract or PASA number of each in appropriate spaces below; in the case of voluntary agencies, enter name and registration number from M.O. 1551.1, Attachment A. Enter the appropriate descriptive code in columns b and c, using the coding guide provided below.

TYPE CODE b	TYPE CODE c	a. IMPLEMENTING AGENCY	TYPE CODE		d. CONTRACT/PASA/VOLAG NO.	e. LEAVE BLANK FOR AID/W USE
			b.	c.		
1. U.S. CONTRACTOR 2. LOCAL CONTRACTOR 3. THIRD COUNTRY CONTRACTOR 4. PARTICIPATING AGENCY 5. VOLUNTARY AGENCY 6. OTHER:	0. PARTICIPATING AGENCY 1. UNIVERSITY 2. NON-PROFIT INSTITUTION 3. ARCHITECTURAL & ENGINEERING 4. CONSTRUCTION 5. OTHER COMMERCIAL 6. INDIVIDUAL 7. OTHER:	Washington State Univ	1	1		

PART I - PROJECT IMPACT

I-A. GENERAL NARRATIVE STATEMENT ON PROJECT EFFECTIVENESS, SIGNIFICANCE & EFFICIENCY.

This summary narrative should begin with a brief (one or two paragraph) statement of the principal events in the history of the project since the last PAR. Following this should come a concise narrative statement which evaluates the overall efficiency, effectiveness and significance of the project from the standpoint of:

- (1) overall performance and effectiveness of project implementation in achieving stated project targets;
- (2) the contribution to achievement of sector and goal plans;
- (3) anticipated results compared to costs, i.e., efficiency in resource utilization;
- (4) the continued relevance, importance and significance of the project to country development and/or the furtherance of U.S. objectives.

Include in the above outline, as necessary and appropriate, significant remedial actions undertaken or planned. The narrative can best be done after the rest of PART I is completed. It should integrate the partial analyses in I-B and I-C into an overall balanced appraisal of the project's impact. The narrative can refer to other sections of the PAR which are pertinent. If the evaluation in the previous PAR has not significantly changed, or if the project is too new to have achieved significant results, this Part should so state.

008 NARRATIVE FOR PART I-A (Continue on form AID 1020-25 I as necessary):

Under the Inter-College Exchange Program (1953-61), AID sponsored several projects and activities with Panjab University and its affiliated colleges. At Lahore, animal nutrition, dairy technology and artificial insemination programs were developed; at Lyallpur, soil sciences and food technology were established.

(cont'd on 1020-25 I sheet)

MISSION DIRECTOR APPROVAL →	SIGNATURE Joseph C. Wheeler, Director	DATE April 7, 1970
-----------------------------	--	-----------------------

UNCLASSIFIED

SECURITY CLASSIFICATION	PROJECT NUMBER
UNCLASSIFIED	391-11-660-146

PAR CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

008 NARRATIVE FOR PART I-A:

In 1959, U.S. advisors assisted the GOP National Manpower and GOP Development working committees develop a master plan for consolidating the two campuses and for legislating a new agricultural university at Lyallpur.

By 1961, the West Pakistan Agricultural University (WPAU) was inaugurated and USAID contracted Washington State University (WSU) to assist with its development.

Pertinent references are E-1 and CAP, Part II, FY 1961-1966 and PBS FY 1967 through FY 1970.

This is the first PAR on this project.

The development of the University since 1961 has been well planned, well implemented and has achieved its objectives to a satisfactory extent.

Project purposes and achievements:

1. To set up an efficient system for academic administration - including operations for fiscal procedures, faculty organization, staffing patterns, personnel procedures, capital development and student counselling.

Achievement: Forty University statutes, ordinances, rules and regulations developed by WSU/WPAU were sanctioned and legislated by the GOWP. Within this framework, the University is now patterned along the lines of a U.S. land-grant institution. It is service oriented. Its faculties of agriculture, agricultural economics, agricultural engineering, food technology, animal husbandry, veterinary science and rural sociology respond well to the changing needs of agricultural sector.

2. To develop appropriate curricula, syllabi and examination system.

Achievement: The academic program has been organized at three levels under-graduate, post-graduate and short course and diploma levels and in force since 1962. In 1967-68, 1,396 undergraduates were enrolled in a program requiring two years of basic biology, physical sciences, mathematics, social sciences and humanities and three years of prescribed agricultural courses for attaining the 5-year B.Sc. degree. Of WPAU's 577 graduate students (1967-68), 423 M.Sc's were studying in 24 different subject matter areas and 104 Ph.D candidates were working in 19 subject matter fields.

3. Organize, develop and strengthen instructional, research and extension programs that would establish the university as a national resource for agricultural development.

SECURITY CLASSIFICATION

UNCLASSIFIED

PROJECT NUMBER

391-11-660-146

PAR CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

008 NARRATIVE FOR PART I-A (Cont'd):

Achievement: West Pakistan Agricultural University was conceived from the desire of the national leaders to create an institution that could develop the necessary contact with the agriculture sector of society and would provide leadership in the development process. WPAU's complement of 59 foreign-trained Ph. Ds, 7 locally graduated Ph. Ds, (3 on WPAU staff), 59 foreign trained M.Sc.s and 184 locally trained M.Sc.s provide staff for 40 departments. The departments offer over 600 courses including a variety of extension courses (74 annually) and courses in agricultural research that are held at 32 different geographical locations in the West Wing. There are approximately 1,725 projects which have been undertaken by 125 Ph. Ds, 590 M. Sc.s and 807 B. Sc. degree holders.

The WPAU building program has been wisely handled and commodity purchases have been based on a sound plan. Up to June 30, 1968, 2.4 crore rupees had been expended for new construction and 130.45 lakh rupees for equipment. IDA's loan of 5.9 millions of dollars is being used to develop additional laboratory and teaching facilities and to expand hostel facilities. Of this, 2.65 millions have been used to purchase laboratory equipment required for instruction and research. The building program is progressing and several facilities are now in use.

During the year a study was made of the role of growth and present status of WPAU in terms of: (a) physical plant; (b) courses and curricula development; (c) staff growth and improvement; (d) improvement in quality of incoming and outgoing students; (e) development in M. S. and Ph. D programs; (f) quantity and quality of research projects underway; (g) adult education through short courses and Farm Guide Programs; (h) increase in support by the host government over the past seven years; (i) improved library facilities; and (j) the evolution of good institutional statutes and by-laws. The study also shows the status of staff training by Faculties and Departments. This report was reviewed by AID and the Government of West Pakistan and they concluded that the West Pakistan Agricultural University had matured enough so that its needs for technical assistance have changed. AID/WSU has recommended a new program with the following objectives:

- 1) Improved quality of teaching;
- 2) Help develop broad-gauged research projects that are worthy of funding by interested agencies
- 3) Develop a number of ways by which the expertise of the university can become available to the key people in the agricultural economy; and
- 4) Demonstrate that adequately staffed and financed interdisciplinary research team can solve agricultural development problems facing the nation.

UNCLASSIFIED

391-11-660-146

PART I-B - PROJECT EFFECTIVENESS

009

I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

1. CODE NO. AID-W USE ONLY	2. This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP, Part II. Where progress toward a target is significantly greater or less than scheduled, describe reason(s) beneath the target.	ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE)				6. PROJECTE TOTAL FOR PROJECT LIFE
		3 ACTUAL CUM. TO DATE	4. AS OF PRIOR JUNE 30		5. PLANNED BY NEXT JUNE 30	
			a. PLANNED	b. ACTUAL		
	I. <u>Number of Graduates:</u>					
	(a) B. Sc. Agriculture (4 year course inherited from old college)	707	0	707	707	707
	(b) B. Sc (Honors) Agriculture (5 year course)	531			731	731
	(c) B. Sc (Agriculture Engineering)	24				39
	(d) D V M			60	60	60
	II. <u>Master of Science Graduates:</u>					
	(a) M. Sc. (old college-inherited)	160	160		160	160
	(b) M. Sc. (Honors) Agriculture	441				610
	(c) M. Ed. Agriculture	8	8	8	13	13
	III. <u>Doctor of Philosophy Graduates:</u>					
	(a) Ph. D. Agriculture	7				14
	IV. <u>Number of Trained Supporting Staff:</u>					
	(a) Administrators	254	254	254	254	254
	(b) Library	26	26	26	26	26
	(c) Information	16	16	16	16	16
	(d) Medical	9	9	9	9	9
	(e) Maintenance	52	52	52	52	52
	(f) Stores	25	25	25	25	25
	(g) Total Non-Faculty staff including Farm Labor	2,220	1,633	2,320	2,716	2,716

PART I-B - PROJECT EFFECTIVENESS

005

I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

1. CODE NO. AID/W USE ONLY	2. This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP, Part II. Where progress toward a target is significantly greater or less than scheduled, describe reason(s) beneath the target.	ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE)				6. PROJECTED TOTAL FOR PROJECT LIFE
		3 ACTUAL CUM. TO DATE	4. AS OF PRIOR JUNE 30		5. PLANNED BY NEXT JUNE 30	
			a. PLANNED	b. ACTUAL		
	V. Student Enrollment:					
	(a) Under-graduates					
	<u>B. Sc. Agriculture:</u>					
	I Year	350	350	350	350	350
	II Year	277	300	277	285	235
	III Year	190	200	190	250	250
	IV Year	222	225	222	225	225
	V Year	176	200	176	215	215
	TOTAL:	1,215	1,275	1,215	1,325	1,325
	<u>B. Sc. Agriculture Engineering:</u>					
	I Year	29	25	29	30	30
	II Year	19	20	19	25	25
	III Year	14	15	14	18	13
	IV Year	12	15	12	14	14
	TOTAL:	74	75	74	87	87
	<u>D. V. M.</u>					
	I Year	32	35	32	35	35
	II Year	22	30	22	27	27
	III Year	22	25	22	30	30
	IV Year	24	25	24	30	30
	TOTAL:	100	115	100	122	122
	(b) Graduates:					
	M. Ed.	13	15	13	15	15
	M. Sc.	335	386	335	400	400
	Ph. D.	33	130	88	102	102
	TOTAL:	436	531	436	517	517
	GRAND TOTAL:	<u>1,825</u>	<u>1,996</u>	<u>1,825</u>	<u>2,051</u>	<u>2,051</u>

9

PART I-B - PROJECT EFFECTIVENESS

009

I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

1. CODE NO. AID # USE ONLY	2. This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP Part II. Where progress toward a target is significantly greater or less than scheduled describe reason(s) beneath the target.	3. ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE)				
		3 ACTUAL CUM. TO DATE	4. AS OF PRIOR JUNE 30		5. PLANNED BY NEXT JUNE 30	6. PROJECTED TOTAL FOR PROJECT LIFE
			a. PLANNED	b. ACTUAL		
	<p>VI. Building Completed:</p> <p>A) Faculty of Agriculture:</p> <p>Classroom wing of the Faculty of Agric. at an estimated cost of Rs. 5.81 lakh. About 96% of the work has been completed.</p> <p>Two student hostels, each to accommodate about 216 students at an estimated cost of Rs. 26.50 lakh. Nearly one of the work completed.</p> <p>Two prefabricated green houses at a cost of Rs. 5 lakh complete</p> <p>Faculty of Agric. (Laboratories and Central facilities) at an estimated cost of Rs. 47.65 lakh. Almost 70% of work completed.</p> <p>B) Faculty of Agric. Engineering:</p> <p>Technology at an estimated cost of Rs. 20.83 lakh. 24% of the work completed.</p> <p>Two student hostels to accommodate about 216 students each at an estimated cost of Rs. 27.52 lakh. 10% completed.</p> <p>Seven staff residences at an estimated cost of Rs. 4.80 lakh. 95% work completed.</p>	96%	100%	96%	100%	
		61%	100%	61%	100%	
		100%	100%	100%	100%	
		70%	100%	70%	100%	
		24%	100%	24%	100%	
		10%	100%	10%	100%	
		95%	100%	95%	100%	

UNCLASSIFIED

391-11-660-146

PART I-B - PROJECT EFFECTIVENESS

009

I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

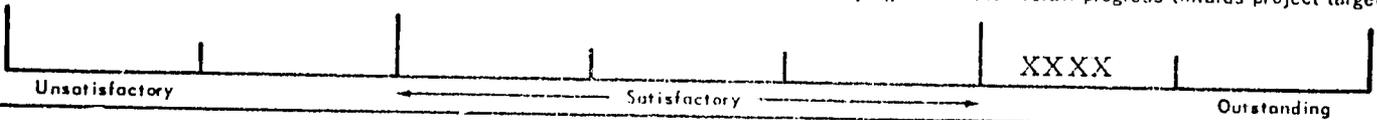
1. CODE NO. AID/W USE ONLY	2. This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP, Part II. Where progress toward a target is significantly greater or less than scheduled, describe reason(s) beneath the target.	ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE)				
		3. ACTUAL CUM. TO DATE	4. AS OF PRIOR JUNE 30		5. PLANNED BY NEXT JUNE 30	6. PROJECTED TOTAL FOR PROJECT LIFE
			a. PLANNED	b. ACTUAL		
	<p>VI. Buildings Completed (cont'd):</p> <p>C) Faculty of Veterinary Medicine & Faculty of Animal Husbandry:</p> <p>At an estimated cost of Rs. 39.39 lakh. 30% complete.</p> <p>Utilities (water supply, sewerage, roads and drainage, electricity, sui gas, telephone system) Rs. 59 lakhs.</p> <p>*D) Faculty of Agric. Econ. & Rural Sociology Rs. 10.81 lakhs.</p> <p>* Library, Administration Block, Auditorium, Student-Teacher Center - about 56 lakhs.</p> <p>* Health Center, International House, Mosque, Physical Education Center about Rs. 15.46 lakhs.</p> <p>* University Farms, Student Farms and Live-stock Farms. Rs. 18.18 lakhs.</p> <p>* Designs & Plans nearly complete. Tenders are being invited. Estimated cost Rs. 154.54 lakhs.</p> <p>VII. Participants trained in the U.S. Out of 144 planned degree participants 140 obtained M.Sc degrees. 24 Ph.Ds as planned. 9 were planned for short-term, 8 were trained, 1 for 1-1/2 year post-doctoral training program as planned.</p>	30%	100%	30%		
		175	180	175	-	180

PART I-B - Continued

010

B.2 - OVERALL ACHIEVEMENT OF PROJECT TARGETS

Place an "X" within the bracket on the following seven-point scale that represents your judgment of the overall progress towards project targets:



PART I-C - PROJECT SIGNIFICANCE

011

C.1 - RELATION TO SECTOR AND PROGRAM GOALS (See detailed instructions M.O. 1026.1)

This section is designed to indicate the potential and actual impact of the project on relevant sector and program goals. List the goals in col. b and rate potential and actual project impact in cols. c and d.

a. CODE NO. (AID/W USE ONLY)	SCALE FOR COLUMN c: 3: Very Important; 2: Important; 1: Secondary Importance SCALE FOR COLUMN d: 3: Superior/Outstanding; 2: Adequate Satisfactory Good; 1: Unsatisfactory Marginal	c. POTENTIAL IMPACT ON EACH GOAL IF PROJECT ACHIEVES TARGETS	d. ACTUAL IMPACT ON GOAL TO DATE RELATIVE TO PROGRESS EXPECTED AT THIS STAGE
	b. SECTOR AND PROGRAM GOALS (LIST ONLY THOSE ON WHICH THE PROJECT HAS A SIGNIFICANT EFFECT)		
	(1) To provide quality education in all disciplines relating to Agriculture and training in extension work and research at the WPAU so that it can make a maximum contribution		
	to the agricultural production through modernization of the Agriculture sector in Pakistan	3	3
	(3)		
	(4)		

For goals where column c. is rated 3 or 2 and column d. is rated 1, explain in the space for narrative. The narrative should also indicate the extent to which the potential impacts rated 3 or 2 in column c. are dependent on factors external to the achievement of the project targets, i.e., is there a substantial risk of the anticipated impact being forestalled by factors not involved in the achievement of project targets. If possible and relevant, it also would be useful to mention in the narrative your reading of any current indicators that longer-term purposes, beyond scheduled project targets, are likely or unlikely to be achieved. Each explanatory note must be identified by the number of the entry (col. b) to which it pertains.

012 NARRATIVE FOR PART I-C.1 (Continue on form AID 1020-25 1)

Four major areas of responsibility were assigned to the Agricultural University, viz: (1) Teaching; (2) Research; (3) Extension; and (4) Short courses for agriculturists. The overall goal of this project has been to establish an ~~augmented~~ Agricultural University comprising all disciplines relating to Agriculture, established for under-graduate and graduate teaching, extension, teacher training and short courses. WPAU has progressed quite well in all dimensions but has not fully completed the progress.

SECURITY CLASSIFICATION

UNCLASSIFIED

PROJECT NUMBER

391-11-660-146

PART I-C - Continued

C.2 - GENERAL QUESTIONS

These questions concern developments since the prior PAR. For each question place "Y" for Yes, "N" for No, or "NA" for Not Applicable in the right hand column. For each question where "Y" is entered, explain briefly in the space below the table.	MARK IN THIS COL.
013 Have there been any significant, unusual or unanticipated results not covered so far in this PAR?	N
014 Have means, conditions or activities other than project measures had a substantial effect on project output or accomplishments?	Y
015 Have any problems arisen as the result of advice or action or major contributions to the project by another donor?	N
016 If the answer to 014 or 015 is yes, or for any other reason, is the project now less necessary, unnecessary or subject to modification or earlier termination?	Y
017 Have any important lessons, positive or negative, emerged which might have broad applicability?	Y
018 Has this project revealed any requirement for research or new technical aids on which AID W should take the initiative?	N
019 Do any aspects of the project lend themselves to publicity in newspapers, magazines, television or films in the United States?	Y
020 Has there been a lack of effective cooperating country media coverage? (Make sure AID W has copies of existing coverage.)	N
021 <u>NARRATIVE FOR PART I-C.2</u> Identify each explanatory note by the number of the entry to which it pertains. (Continue on form AID 1020-25 I as necessary):	
014 In research the institution has an impressive array of projects underway and these are being pursued efficiently. Budget allocations have not been sufficient so that a well-trained staff can tackle larger problems of the country. Efforts are now underway by the University administration to acquire a limited area in which the University has full responsibility for extension service.	
016 West Pakistan Agricultural University has matured to a level where its needs for technical assistance have changed. WPAU now needs highly qualified short-term consultants to stimulate improved teaching, broader gauged research projects, and research promotions.	
017 Involvement of the team not as advisors but as contributing members of WPAU faculties, committees have made this a smooth running operation.	
019 The following: (a) The University community during the past several years, without waiting for the construction of new academic buildings, established a full-fledged residential university, 37 teaching and research departments, and a student body of 2,100 full time, and 1,500 part-time students. The expansion was made possible by improvising lecture halls and laboratories from office rooms, stores, out-houses, sheds, verandahs and common rooms in hostels. (b) Farm Guide Program (voluntary extension service) (c) A skills training center for young ladies from poorer homes to enable them to add to the family income and food supply.	

UNCLASSIFIED

UNCLASSIFIED

391-11-660-146

PART II - IMPLEMENTATION REPORT

II-A - STATUS OF SCHEDULE

022 A-1 - INDIVIDUAL ACTIONS (See detailed instructions M.O. 1026.1). This is a listing of major actions or steps which were scheduled for physical start or continuing implementation in the reporting period as reflected in the Project Implementation Plan, Part I.

PIP ITEM NO.	MAJOR ACTIONS OR STEPS; CAUSES AND RESULTS OF DELAYS; REMEDIAL STEPS	(b) STATUS - PLACE AN "X" IN ONE COLUMN		
		(1) BEHIND SCHEDULE	(2) ON SCHEDULE	(3) AHEAD OF SCHEDULE
1.	Reorient staff members		X	
2.	Develop procedures for selecting participants and monitoring performance.		X	
3.	Select and locally train staff and supporting staff		X	
4.	Develop a testing procedures for selecting students		X	
5.	Establish 40 teaching and research departments		X	
6.	Establish facility of Agric. Eng & Veterinary Science		X	
7.	Increase student enrollment		X	
8.	Graduate 100 M.Sc. per year		X	
9.	Triple the number of research projects		X	
10.	Increase short course enrollment to over 1,000		X	
11.	Publish two Agric. Science Journals, Agricultural Digest and Weekly newsletter		X	
12.	Conduct a weekly all Pak. Agric. Radio Program		X	
13.	Establish a Farm and Home Guide Program		X	
14.	Carefully frame 40 different statutes, rules & regulations		X	
15.	Increase the undergraduate instruction from 30 to 39 weeks a year and increase length of period from 4 to 5 years.		X	
16.	82% of enrollees are 1st division graduates.		X	
17.	Establish & print course outlines for 600 new courses		X	
18.	Help establish two rural training centers for second level workers.		X	
19.	Train 600 rural high school teachers. They will teach Agriculture rather than science		X	
20.	Detail & purchase \$2.5 million dollars worth of scientific equipment		X	
21.	Plan and build a new University (see part 1-B)		X	
22.	Increase volumes in library from 23000 to 100,000	X		
23.	Develop a 1200 word Urdu basic agricultural vocabulary. Extension of publications will be limited to this number. Six primers have been prepared to be used to teach literacy in villages from this word list.		X	

UNCLASSIFIED

UNCLASSIFIED

391-11-660-146

PART II - Continued

023

II-A.2 - OVERALL TIMELINESS

In general, project implementation is (place an "X" in one block):

BLOCK (c): If marked, place an "X" in any of the blocks one thru eight that apply. This is limited to key aspects of implementation, e.g., timely delivery of commodities, return of participants to assume their project responsibilities, cooperating country funding, arrival of technicians.

(a) On schedule	X
(b) Ahead of schedule	
(c) Behind schedule	
(1) AID/W Program Approval	
(2) Implementing Agency (Contractor/Participating Agency/Voluntary Agency)	
(3) Technicians	
(4) Participants	
(5) Commodities (non-FFF)	
(6) Cooperating Country	
(7) Commodities (FFF)	
(8) Other (specify):	

II-B - RESOURCE INPUTS

This section appraises the effectiveness of U.S. resource inputs. There follow illustrative lists of factors, grouped under Implementing Agency, Participant Training and Commodities, that might influence the effectiveness of each of these types of project resources. In the blocks after only those factors which significantly affect project accomplishments, write the letter P if effect is positive or satisfactory, or the letter N if effect is negative or less than satisfactory.

1. FACTORS-IMPLEMENTING AGENCY (Contract/Participating Agency/Voluntary Agency)

024 IF NO IMPLEMENTING AGENCY IN THIS PROJECT. PLACE AN "X" IN THIS BLOCK:		032 Quality, comprehensiveness and candor of required reports	P
		033 Promptness of required reports	P
025 Adequacy of technical knowledge	P*	034 Adherence to work schedule	P
026 Understanding of project purposes	P	035 Working relations with Americans	P
027 Project planning and management	P	036 Working relations with cooperating country nationals	P
028 Ability to adapt technical knowledge to local situation	P	037 Adaptation to local working and living environment	P
029 Effective use of participant training element	P	038 Home office backstopping and substantive interest	P
030 Ability to train and utilize local staff	P	039 Timely recruiting of qualified technicians	P
031 Adherence to AID administrative and other requirements	P	040 Other (describe):	

2. FACTORS-PARTICIPANT TRAINING

041 IF NO PARTICIPANT ELEMENT IN PROJECT. PLACE AN "X" IN THIS BLOCK:		TRAINING UTILIZATION AND FOLLOW UP	
		052 Appropriateness of original selection	
PREDEPARTURE			
042 English language ability	P	053 Relevance of training for present project purposes	P
043 Availability of host country funding	P	054 Appropriateness of post-training placement	P
044 Host country operational considerations (e.g., selection procedures)	P	055 Utility of training regardless of changes in project	P
045 Technical/professional qualifications	P	056 Ability to get meritorious ideas accepted by supervisors	P
046 Quality of technical orientation	P	057 Adequacy of performance	P
047 Quality of general orientation	P	058 Continuance on project	P
048 Participants' collaboration in planning content of program	P	059 Availability of necessary facilities and equipment	P
049 Collaboration by participants' supervisors in planning training	P	060 Mission or contractor follow-up activity	
050 Participants' availability for training	P	061 Other (describe):	
051 Other (describe):			

* Not adequate but substantially more than any other University in Pakistan

UNCLASSIFIED

SECURITY CLASSIFICATION

SECURITY CLASSIFICATION

UNCLASSIFIED

PROJECT NUMBER

391-11-660-14t

PART II-B - Continued

3. FACTORS-COMMODITIES

PLACE AN "X" IN APPROPRIATE BLOCK:	062 FFF	063 NON-FFF	064 NO COMMODITY ELEMENT		072 Control measures against damage and deterioration in shipment.	
065 Timeliness of AID/W program approval (i.e., PIO/C, Transfer Authorization).			XX	P	073 Control measures against deterioration in storage.	P
066 Quality of commodities, adherence to specifications, marking.				P	074 Readiness and availability of facilities.	
067 Timeliness in procurement or reconditioning.				P	075 Appropriateness of use of commodities.	
068 Timeliness of shipment to port of entry.				P	076 Maintenance and spares support.	
069 Adequacy of port and inland storage facilities.					077 Adequacy of property records, accounting and controls.	P
070 Timeliness of shipment from port to site.				P	078 Other (Describe):	
071 Control measures against loss and theft.				P		

Indicate in a concise narrative statement (under the heading a. Overall Implementation Performance, below) your summary appraisal of the status of project implementation, covering both significant achievements and problem areas. This should include any comments about the adequacy of provision of direct hire technicians as well as an overall appraisal of the comments provided under the three headings (b, c & d) which follow. For projects which include a dollar input for generation of local currency to meet local cost requirements, indicate the status of that input (see Detailed Instructions).

Discuss separately (under separate headings b, c & d) the status of Implementing Agency Actions, Participants and Commodities. Where above listed factors are causing significant problems (marked N), describe briefly in the appropriate narrative section: (1) the cause and source of the problem, (2) the consequences of not correcting it, and (3) what corrective action has been taken, called for, or planned by the Mission. Identify each factor discussed by its number.

079 NARRATIVE FOR PART II-B: (After narrative section a. Overall Implementation Performance, below, follow, on form AID 1020-25 I as needed, with the following narrative section headings: b. Implementing Agency, c. Participants, d. Commodities. List all narrative section headings in order. For any headings which are not applicable, mark them as such and follow immediately below with the next narrative section heading.)

a. Overall Implementation Performance.

The project is on schedule and approaching a phase-out period. Progress considered to be good by both Americans and Pakistanis. WPAU has developed rapidly into a major center of agricultural education and research. Besides the B.Sc. degree courses, the university has developed post-graduate programs leading to M.Sc. and Ph.D. degrees in several disciplines. All post-graduate students must undertake research as an approved project and prepare an acceptable thesis as a part of their degree requirements. There is still a need to develop the competence and confidence of the staff members engaged in agricultural research and in supervising the research of graduate students.

- b) Implementing Agency: Washington State University has always kept and maintained authorized strength. Personnel has been excellent. Three of WSU Active Deans have served 2 or more years on this project in Pakistan, WSU has provided the field staff with good backstopping. Good team work between WSU field staff and local staff has been maintained. All WSU advisors have been appointed to the board of studies and Academic Council. The Chief of Party has been a member of Graduate Studies Committee and was placed on the Selection Board.

(cont'd on 1020-25 I sheet)

UNCLASSIFIED

SECURITY CLASSIFICATION

UNCLASSIFIED

391-11-660-146

PAR CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

079 NARRATIVE FOR PART II-B

- c) Participants: The participant training schedule is being maintained. To date 93 staff members have been sent to U.S. for graduate studies. Sixty one of these men have completed their studies (32 PhDs, 18 MS's, IBS and 10 non degree trainees), 36 staff members are currently doing advanced studies in U.S., twenty seven staff members are studying abroad on grants from friendly nations.

The tabulation below indicates that the participant training was useful and adequate, also that these participants have earned rapid promotion and that many are holding important educational positions:

Tabulation of 57 Participants
Sent under WPAU/WSU Program

Title and Rank at time of Selection					Title and Rank at Present				
III	II	I	SC1	S.G.	III	II	I	SC1	S.G.
24	28	4	1	0	3	8	41	4	1
= 57					= 57				

Class III: Instructors, Research Assistants, Demonstrators, etc.

Class II: Lecturers, Asst. Professors and Govt. Class II Officers

Class I: Readers, Associate Professors, Heads of Sections, Section Officers with
Government Secretariat

Senior Class I: Deans and Directors of Universities, Professors, Principals
of Colleges.

Selection Grade: Secretaries or Deputy Secretaries in the Govt. of Pakistan
Ministries, Vice-Chancellors and Commissioners.

- d) Commodities: Upward of \$2.7 million have been received and is in use. Two equipment technicians will return to WPAU in June 1969 after two years of training in U.S.A. In the past most of the items would have been marked satisfactory except for 075 and 076. WPAU does not have an adequate maintenance facility for scientific and mechanical equipment.

076 - Will not be adequate until men being trained in USA return.

UNCLASSIFIED

UNCLASSIFIED

391-11-660-146

PART III - ROLE OF THE COOPERATING COUNTRY

The following list of illustrative items are to be considered by the evaluator. In the block after only those items which significantly affect project effectiveness, write the letter P if the effect of the item is positive or satisfactory, or the letter N if the effect of the item is negative or less than satisfactory.

SPECIFIC OPERATIONAL FACTORS:

080 Coordination and cooperation within and between ministries.	N
081 Coordination and cooperation of LDC gov't. with public and private institutions and private enterprise.	N
082 Availability of reliable data for project planning, control and evaluation.	P
083 Competence and/or continuity in executive leadership of project.	P
084 Host country project funding.	N
085 Legislative changes relevant to project purposes.	P
086 Existence and adequacy of a project-related LDC organization.	N
087 Resolution of procedural and bureaucratic problems.	N
088 Availability of LDC physical resource inputs and/or supporting services and facilities.	N
089 Maintenance of facilities and equipment.	P
090 Resolution of tribal, class or caste problems.	P
091 Receptivity to change and innovation.	P
092 Political conditions specific to project.	P
093 Capacity to transform ideas into actions, i.e., ability to implement project plans.	P
094 Intent and/or capacity to sustain and expand the impact of the project after U.S. inputs are terminated.	P
095 Extent of LDC efforts to widen the dissemination of project benefits and services.	N
096 Utilization of trained manpower (e.g., participants, counterpart technicians) in project operations.	P
097 Enforcement of relevant procedures (e.g., newly established tax collection and audit system).	P
098 Other:	P
HOST COUNTRY COUNTERPART TECHNICIAN FACTORS:	
099 Level of technical education and/or technical experience.	P
100 Planning and management skills.	P
101 Amount of technician man years available.	P
102 Continuity of staff.	P
103 Willingness to work in rural areas.	N
104 Pay and allowances.	P
105 Other:	P

In the space below for narrative provide a succinct discussion and overall appraisal of the quality of country performance related to this project, particularly over the past year. Consider important trends and prospects. See Detailed Instructions for an illustrative list of considerations to be covered.

For only those items marked N include brief statements covering the nature of the problem, its impact on the achievement of project targets (i.e., its importance) and the nature and cost of corrective action taken or planned. Identify each explanatory note.

106 NARRATIVE FOR PART III (Continue on form AID 1020-25 I):

- 080 Coordination of agricultural research in the Ministry of Agriculture and Ministry of Education needs strengthening.
- 081 Very little cooperation between public and private sector has developed.
- 084 Funds for the conduct of agricultural research has been inadequate. Therefore, some problems related to national agricultural research development are being neglected.
- 087) Pakistan has several divisions dealing with farmers and agriculture (WPAU, and) A.D.C., Agriculture, Irrigation and Water & Power Development) closer
- 083) cooperation and consolidation of resources and facilities would be beneficial.
- 095 WPAU has continually tried to get the results of research to the public and the farmers. This has been difficult because agricultural extension is a function of the agricultural department. WPAU is providing specialists and extension village workers.

UNCLASSIFIED

(cont'd)

PAR CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

106 NARRATIVE FOR PART III (Cont'd):

098 Considerable progress has been made but more funds are required otherwise frustration and defection of staff will take place.

103 Most of WPAU staff would be willing to work in the rural areas, but this has not been possible because of a complete lack of transportation.

GOP has provided both in quality and quantity all that it was able under existing conditions. Currently WPAU has more than one third of agriculturally trained PhD's in West Pakistan. Although the non-development budget is not adequate, it is greater than the budget of any other University in Pakistan. Currently, except for an IDA loan for equipment and structural materials, all funds for University expenditures to date are as under:

<u>Year</u>	<u>GOP (Lakh Rs.) Non-Developmental</u>	<u>Univ. Income (Lakh Rs.) Developmental</u>
1961-1962	15.63	46.52
1962-1963	11.89	58.42
1963-1964	13.36	68.82
1964-1965	15.72	88.70
1965-1966	70.09	38.55
1966-1967	74.48	40.54
1967-1968	78.38	67.93
1968-1969	80.00*	131.00*

*Estimated

See B-2 for estimate of Rupees required to complete construction during the Fourth Plan period.

UNCLASSIFIED

391-11-660-146

PART IV - PROGRAMMING IMPLICATIONS

IV-A - EFFECT ON PURPOSE AND DESIGN

Indicate in a brief narrative whether the Mission experience to date with this project and/or changing country circumstances call for some adjustment in project purposes or design, and why, and the approximate cost implications. Cover any of the following considerations or others that may be relevant. (See Detailed Instructions for additional illustrative considerations.) Relevant experience or country situations that were described earlier can simply be referenced. The spelling out of specific changes should be left to the appropriate programming documents, but a brief indication of the type of change contemplated should be given here to clarify the need for change.

For example, changes might be indicated if they would:

1. better achieve program/project purposes;
2. address more critical or higher priority purposes within a goal plan;
3. produce desired results at less cost;
4. give more assurance of lasting institutional development upon U.S. withdrawal.

107 NARRATIVE FOR PART IV-A (Continue on form AID 1020-25 I):

The role which technical advisors can play in helping to generate research support is real and urgent. They can advise and assist in the development of broad-guage research projects that are worthy of funding by interested agencies.

A careful study of departmental staffing would indicate that WPAU is still under-staffed in several critical areas. A review of the WPAU budget indicates it is not consistent with the scope and objectivities of the University.

There is a great need to develop the competence and confidence of the younger staff members engaged in agricultural research and in supervising of the research of graduate students working on advanced degrees, particularly with respect to research methods, and the design and analysis of research.

Probably the most efficient and practical way to help build this competence and confidence is to bring in highly qualified specialists for short periods of time to consult with these young researchers, help them design and execute projects and hold seminars on specific topics.

(cont'd on 1020-25 I sheet)

IV-B - PROPOSED ACTION

108 This project should be (Place an "X" in appropriate block(s)):

<input checked="" type="checkbox"/> 1. Continued as presently scheduled in PIP.	<input checked="" type="checkbox"/>
2. Continued with minor changes in the PIP, made at Mission level (not requiring submission of an amended PIP to AID/W).	
3. Continued with significant changes in the PIP (but not sufficient to require a revised PROP). A formally revised PIP will follow.	
4. Extended beyond its present schedule to (Date): Mo. ___ Day ___ Yr. ___. Explain in narrative, PROP will follow.	
5. Substantively revised. PROP will follow.	
<input checked="" type="checkbox"/> 6. Evaluated in depth to determine its effectiveness, future scope, and duration. Has been done	<input checked="" type="checkbox"/>
7. Discontinued earlier than presently scheduled. Date recommended for termination: Mo. ___ Day ___ Yr. ___	
<input checked="" type="checkbox"/> 8. Other. Explain in narrative.	<input checked="" type="checkbox"/>

109 NARRATIVE FOR PART IV-B:

A modern technological university should be the fountain head of a country's scientific endeavor, the trained scientists and technologists for manning research centers and industries. Their laboratories should provide the scientific concepts and information basic to the development of improved technology for improving productivity.

WPAU has developed rapidly into a major center of agricultural education and research. Besides a B.Sc. degree program, it has developed a post-graduate program leading to advanced degrees. WPAU are currently training men to fill position, in extension and related agriculture field but it is still not capable of training research scientists to man the research institutes and colleges. There is a need to develop the competence

UNCLASSIFIED

(cont'd on 1020-25 I sheet)

PAR CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

107 NARRATIVE FOR PART IV-A (Cont'd):

As a University matures there is a real need to change the inputs:

- 1) Less long-term advisors are needed;
- 2) Should shift to short-term consultants to:
 - a) help improve teaching methods
 - b) advise and assist in the development of ~~broadscale~~ research projects that are worthy of funding by interested agencies;
 - c) help develop a number of different ways the expertise of the university can become available to the key people in the agricultural economy.

109 NARRATIVE FOR PART IV-B (Cont'd):

and confidence of the WPAU staff in supervising the research of graduate students working on advanced degrees, particularly with the research methods and the design and analysis of research. The most efficient and practical way to help build this competence and confidence is to bring in highly qualified specialists for short periods to consult with researchers, help them design and structure projects and hold seminars on specific topics.

The role which continued technical assistance plays is listed below:

- a) Provide one full-time contract resident research advisor for three years at WPAU this year to assist in the structure and design of research;
- b) provide short-term consultants in specialized research areas to assist in the design analysis and interpretation of research results.
- c) allow ^{participants} 20/ from WPAU who have begun research programs in the US under the terminating WSU contract to complete their work and return to strengthen the agricultural research program at WPAU;
- d) The role which technical assistance can play in helping to generate research support is real and urgent. They can advise and assist in the development of ~~broadscale~~ research projects that are worthy of funding by interested agencies;

(cont'd on 1020-25 I sheet)

PAR CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

109 NARRATIVE FOR PART IV-B (Cont'd):

- e) If the WPAU staff is to be self-generative and it is to continue to progress it must have continued contacts with scientific workers in advanced nations. This could be accomplished by sending senior staff members on short trips to visit advanced institutions, to see recent advances, to learn new skills, and to make new contacts and encourage collaboration activities;
- f) In the long run, the stream of research from an indigenous university will provide the basic data from which sound agricultural development programs may be developed. Borrowed technology may not work and is sometimes dangerous; and
- g) To accelerate agricultural development, a large number of trained second level workers are required. WPAU now gives 74 short-courses annually. This number should be increased to include the retraining of agricultural specialists and agricultural assistants.

RAQuraishi:mam:E&MP
December 24, 1969.

AIRGRAM

DEPARTMENT OF STATE

UNCLASSIFIED
CLASSIFICATION

50p

F

For each address check one ACTION | INFO

DATE REC'D.

3f

DISTRIBUTION

ACTION

N 10

INFO.

GC

OA

PRR

AAFC

SRD

STATE

RAWAL
HECTO

TO - RAWALPINDI AIDTO A 177

FROM - AID/Washington

SUBJECT - West Pakistan Agricultural University 391-11-660-146 *Y. M. F. Zak*

REFERENCE - Project Appraisal Report (PAR) as of 7/1/69; signed at the USAID April 7, 1970

DATE SENT

7/13/70

This PAR, dealing with a now-terminated project, is well prepared, comprehensive, and completely responsive to a project which was designed to establish a first-rate agricultural university. It gives enough history to enable the reader to put the total effort in context, and contains a sufficiently detailed analysis of problems and successes to enable us to indentify some of the important variables that must be taken into account by such a project.

Because the PAR is a good evaluative document, its commentary on the project relates information which will be important as a future guide in institutions building. Clear-cut objectives were understood and adhered to throughout the project or contract period. From the earliest stages of the project, Pakistan officials had a desire to provide qualified leadership in the agricultural sector (page 3). The concept of a land grant type institution, service oriented with a competent staff was clear at all times. It is evident that a substantial number of staff earning Ph.D and M.S. degrees were trained for and are now occupying specific positions in the university. Also of particular significance, is the conclusion that as a university in a developing country matures, it must have continued contacts with scientific societies of the advanced nations. We understand such opportunities will be included in the WPAU activities of the new Agricultural Research project.

Since the research activities of WPAU will be carried on/another project, we will look forward to reviewing that PAR when it is prepared.

JOHNSON

PAGE 1 OF 1 PAGES

DRAFTED BY HEHamilton LRAnderson:er	OFFICE NESA/ED NESA/AGR	PHONE NO. 22895 21969	DATE 7/1/70	APPROVED BY: James M. Illuse, Director, NESA TECH
---	-------------------------------	-----------------------------	----------------	---

AID AND OTHER CLEARANCES

NESA/AGR:OLMims
NESA/SA:HBuckley
AA/NESA:CMENilton

NESA ID:BCNewbery

NESA/DP: *Smucker*

UNCLASSIFIED
CLASSIFICATION

19