

1. PROJECT NO. 367-11-110-054	2. PAR FOR PERIOD: June 1969 TO March 1971	3. COUNTRY Nepal	4. PAR SERIAL NO. 71-2
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5. PROJECT TITLE
Food Grain Production

A.I.D. Reference Center
13 N 22692

6. PROJECT DURATION: Began FY 1957 Ends FY 1974	7. DATE LATEST PROP Oct. 12, 1970	8. DATE LATEST PIP Sept. 15, 1970	9. DATE PRIOR PAR May 28, 1969
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10. U.S. FUNDING (\$ only)	a. Cumulative Obligation Thru Prior FY: \$ 2,482,000	b. Current FY Estimated Budget: \$ 400,000	c. Estimated Budget to completion After Current FY: \$ 1,062,000
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)	
a. NAME A. C. D. I.	b. CONTRACT, PASA OR VOL. AG. NO. Contract

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		X	1. Reduce complexity, and, if feasible, the number of local currency ProAgs.	July 15, 1971
X			2. Review BSC participant training in India to determine whether number of planned participants should be reduced.	March 15, 1971+
		X	3. Create 9 new B.Sc. level positions in the Department of Education and Research.	July 15, 1971
X			4. Prepare, in collaboration with HMG and the U.N.FAO representative, manpower requirements of the Ministry of Agriculture to be used for project staffing and training purposes.	July 15, 1971
X			5. Review the geographical coverage of the extension program to determine whether any U.S. aid should go to non-intensive districts.	June 15, 1971
X		X	6. Obligate funds for 3 year construction program on agriculture research farms.	June 15, 1971

(Continued on Page 5)

+ The review resulted in a decision to reduce the number of FY 71 participants from 40 to 20 and to limit the program in future years to the number of students who complete the intermediate course in Nepal's College of Agriculture. (It is assumed the Agricultural College will include only the intermediate level for several years).

D. REPLANNING REQUIRES	E. DATE OF MISSION REVIEW
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	February 11, 1971

PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE Raymond E. Fort	MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE William C. Ide
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AID 1020-25(10-70)	PROJECT NO.	PAR FOR PERIOD:	COUNTRY	PAR SERIAL NO.
PAGE 3 PAR	367-11-110-054	6/69 - 3/71	Nepal	71-2

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

FAO has taken over responsibility for the food grain seed program as well as responsibility for certain work in fertilizer testing. The FAO project is just beginning.

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMULATIVE PRIOR FY	CURRENT FY		FY ____	FY ____	
			TO DATE	TO END			
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT:						
1.							
2.	COMMENT:						
3.	COMMENT:						

RESEARCH: non-construction

AID 1020 25(10-70)	PROJECT NO. 367-11-110-054	PAR FOR PERIOD: 6/69 - 3/71	COUNTRY Nepal	PAR SERIAL NO. 71-2
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II. 7. Continued: Comment on key factors determining rating of Other Donors

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMULATIVE PRIOR FY	CURRENT FY 71		FY 72	FY 73	
			TO DATE	TO END			
Professional Staff at 5 Research Farms.	PLANNED	74	13	23	43	55	60
	ACTUAL PERFORMANCE						
	REPLANNED						
Foundation seed multiplication on Research Farms. Per Year—rice, wheat & corn	PLANNED		140 Mt		160 Mt	188 Mt	200 tons per yr. (all farms)
	ACTUAL PERFORMANCE	NA	138 Mt				
	REPLANNED						
Upgraded research staff in Research Department (by participant training program)	PLANNED	NA		93	121	147	147
	ACTUAL PERFORMANCE	73					
	REPLANNED						
Research Trials	PLANNED	NA		75	100	125	150
	ACTUAL PERFORMANCE						
	REPLANNED			62 under study			
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT:					
1. Effective adaptive research program.		There have been significant improvements in the quality of the research work carried on at the 5 farms.					
2. Effective Training programs for Extension personnel and farmers.		COMMENT: Research has held several training sessions; but the number & quality should be improved.					
3. Effective liaison between research and extension so that the research results can be transmitted to farmers.		COMMENT: The Research and Extension Departments have done a poor job in this area. Improvement is definitely needed.					

4

Physical Improvement of Research Farms

AID 1020-25(10-70)	PROJECT NO.	PAR FOR PERIOD.	COUNTRY	PAR SERIAL NO.
PAGE 3 PAR 3 B	367-11-110-054	6/69 - 3/71	Nepal	71-2

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

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMULATIVE PRIOR FY	CURRENT FY 71		FY 72	FY 73	
			TO DATE	TO END			
Irrigation	PLANNED	35%	20%	100%	-	-	100
	ACTUAL PERFORMANCE	25%	10%				
	REPLANNED			70%	100	-	100
Buildings	PLANNED	50%	55%	65%	80	100	100
	ACTUAL PERFORMANCE	40%	1%				
	REPLANNED			50%	80%	100	100
Machinery	PLANNED	50	60	100	0	0	100
	ACTUAL PERFORMANCE	50	60				
	REPLANNED				100	-	100
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT:					
1.	Improvement in design capability of the Ag. Engineering section.	Competence in planning and design has been retarding progress but is improving.					
2.	Improvement in capability of Ag. Engineering section to let contracts and supervise construction.	Some improvement has been made during the reporting period but further improvement is needed.					
3.		COMMENT:					

5

EXTENSION

AID 1020-22(10-70)	PROJECT NO. 367-11-110-054	PAR FOR PERIOD: 6/69 - 3/71	COUNTRY Nepal	PAR SERIAL NO. 71-2
PAGE 3 PAR 3 C				

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

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					
		CUMU- LATIVE PRIOR FY	CURRENT FY 71		FY 72	FY 73	END OF PROJECT
			TO DATE	TO END			
Professional agriculturists posted in the 25 intensive districts.	PLANNED	22	23	25	25	25	25
	ACTUAL PERFORM- ANCE	20	23				
	REPLANNED			-	-	-	-
Subject matter specialist posted in the 25 intensive districts.	PLANNED	0	0	0	20	25	30
	ACTUAL PERFORM- ANCE	0	0				
	REPLANNED			-	-	-	-
6 Regional Officers and 2 Deputy Directors appointed.	PLANNED	0	8	8	8	8	8
	ACTUAL PERFORM- ANCE	0	8				
	REPLANNED			-	-	-	-
Office buildings in the 25 intensive districts.	PLANNED	12	12	12	15	17	20
	ACTUAL PERFORM- ANCE	0	3				
	REPLANNED			12	18	18	18
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT:						
1. Administration and supervision.	Recent appointment of Deputy Directors and Regional Officers and promotion based heavily on performance are major breaks-through. These must be exploited by assuring effective performance of the new officers.						
2. Information support.	COMMENT: A weak part of the program. Changes in attitude and performance on the research side are needed along with adjustments in the information section of Extension. A break-through is needed but not expected soon.						
3. Program planning and budgeting at district level.	COMMENT: A good start has been made this year. Follow-up and supervision will be essential to success. Regional Officers have a major responsibility here.						

**On-Farm Storage
Economic Analysis & Planning (EAP)**

AID 1020-25(10-70)	PROJECT NO. 367-11-110-054	IPAR FOR PERIOD: 6/69 - 3/77	COUNTRY Nepal	IPAR SERIAL NO. 71-2
PAGE 3 PAR 3 D				

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

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMU- LATIVE PRIOR FY	CURRENT FY 71		FY 72	FY 73	
			TO DATE	TO END			
Research Tests (On-Farm Storage)	PLANNED	NA	0		56	56	56
	ACTUAL PERFORM- ANCE						
	REPLANNED						
Analytical studies (EAP) ⁺ (cumulative)	PLANNED	NA	1		2	3	3
	ACTUAL PERFORM- ANCE	NA	1				
	REPLANNED						
	PLANNED						
	ACTUAL PERFORM- ANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORM- ANCE						
	REPLANNED						

B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT:
1. Research effective- ness (On-Farm Storage)	At the end of the project there will be enough on-farm data to recommend on-farm-storage structures for Nepalese farmers.
2. +(Economic Analysis & Planning) PPB - Division Coordination of annual budget & programming exercises	Each Department in the Ministry of Food and Agriculture (MFA) submits a budget to the Economic Analysis and Planning Division where all budgets are coordinated and become the budget submission for the MFA. An excellent job was done for the FY 71 budget although the work has not been as thorough for the FY 72 budget.

3. COMMENT:



FOOD GRAIN TESTING

AID 1020-25(10-73) PAGE 3 PAR 3 E	PROJECT NO. 367-11-110-054	PAR FOR PERIOD: 6/69 - 3/71	COUNTRY Nepal	PAR SERIAL NO. 71-2
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II. 7. Continued: Comment on key factors determining rating of Other Donors

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					
		CUMULATIVE PRIOR FY	CURRENT FY 71		FY 72	FY 73	END OF PROJECT
			TO DATE	TO END			
Food Grain Testing Laboratory fully equipped.	PLANNED	100%					100%
	ACTUAL PERFORMANCE	60%	75%				
	REPLANNED			100%			100%
Supervisory/Junior Technical Staff trained and in laboratory.	PLANNED		2	4			
	ACTUAL PERFORMANCE	1	1				
	REPLANNED			2-3			2-3
Milled samples graded.	PLANNED		75	100			100
	ACTUAL PERFORMANCE		65				
	REPLANNED						
Millers' participation in educational activities.	PLANNED	15	15	55			55
	ACTUAL PERFORMANCE	16	16				
	REPLANNED			56			56
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT:					
1.							
2.		COMMENT:					
3.		COMMENT:					

AID 1020-25 (10-70)	PROJECT NO. 367-11-110-054	PAR FOR PERIOD: 6/69 - 3/71	COUNTRY Nepal	PAR SERIAL NO. 71-2
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IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.

2. Same as in PROF? YES NO

Develop and introduce new and improved agricultural technology to optimize agricultural production, storage and marketing (quality), principally on food grains.

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. 10% of cultivated land in the project area covered by High Yielding Varieties. 2. 56 on farm grain storage structures tested and evaluated. 3. Release of at least one high lysine corn variety. 4. Release of at least 12 new varieties of food grains. 	<ol style="list-style-type: none"> 1. 6 wheat and 7 rice varieties composing all the newly developed technology are being introduced on farmers fields under farmer conditions. Competence of extension service being upgraded through better supervision and training. 2. 9 bins ordered 3 bins constructed 1 form constructed for pouring concrete bins 3. Khumaltar Yellow/high lysine F3 Kakani Yellow/ " " F2 Rampur Yellow/ " " F3 all look promising 4. One paddy variety ready to release, 2 wheat varieties look promising, over 1,000 varieties under introductory test. 13 wheat, 26 rice varieties are under coordinated trials on each research farm.

V. PROGRAMMING GOAL

A. Statement of Programming Goal

To assist Nepal, (its agricultural sector of the economy), to meet its agricultural needs in the future.

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 project emphasizes adaptive research in food grains because this strategy offers the best chance of a break through in agriculture. Significant progress has already been achieved in wheat. The modification and adaption of new varieties to suit Nepal's conditions offers a single program thrust which paves the way for complementary components. Nepal's agriculture needs are both for domestic consumption and export needs. Accumulated experience of developing countries is that agricultural development occurs more rapidly when there is a change of technology usually associated with new high yielding varieties.

(Continued from Page 1)

7. 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	X	7. Prepare a training program with the Research and Extension Department for extension personnel and farmers on two research farms.	August 1, 1971
X	X	8. Request Ministry of Agriculture to prepare a proposal to improve liaison between the Research Department and the Extension Department so that information concerning research results will be made available to farmers more effectively.	August 1, 1971