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PROJECT APPRAISAL REPORT (PAR) PD-~~AA~~AD-907-G1

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1. PROJECT NO. 386-11-110-366.9	2. PAR FOR PERIOD: 1/1/70 TO 6/30/71	3. COUNTRY India	4. PAR SERIAL NO. FY 72-7
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5. PROJECT TITLE
 Agricultural Production (Gujarat) A. I. D.
Reference Center
New Delhi

6. PROJECT DURATION: Began FY 1968 Ends FY 1973	7. DATE LATEST PROP 6/24/69	8. DATE LATEST REV -	9. DATE PRIOR PAR 11/12/1970
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10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 545,000	b. Current FY Estimated Budget: \$ 154,000	c. Estimated Budget to completion After Current FY: \$ 80,000 1/p
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME Participating Agency - USDA (Agriculture Research Service and Federal Extension Service)	b. CONTRACT, PASA OR VOL. AG. NO. Nega (AJ)-33-68
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I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION IX			B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
USAID	AID W	HOST		
	x		1. Future contracts should be worded to include the purpose, outputs and conditions expected at the end of the project as stated in the logical framework.	June 30, 1972
x			2. The project manager will undertake a detailed review of his project reporting and information gathering system to assure that more adequate data are being collected over the next year to measure the project outputs and conditions expected at the end of the project stated in the logical framework.	Feb. 29, 1972
x			3. Consider assigning a technician staff member to assist the project manager.	ASAP
xl	x2		4. Assure implementation of the in-depth evaluation scheduled in the USAID/Delhi FY 1972 Evaluation Plan (TOAID A-487 - page 7).	June 30, 1972

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"/> PIO/P	E. DATE OF MISSION REVIEW 9/13/71
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PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE Oliver A. Bauman	MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE Howard E. Houston
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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			OUTSTANDING		LOW		MEDIUM		HIGH	
	1	2	3	4	5	6	7	1	2	3	4	5	
1. PASA Nena (AJ)-33-68				X									X
2.													
3.													

Comment on key factors determining rating

Change of team leader has alleviated some of the problems inhibiting close team work. The original team leader had problems with subordinates - this has been resolved.

The technical qualifications, understanding of and approach to assignment of the PASA staff are highly satisfactory with a higher degree of immediate impact than noted in other sub-projects.

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

Comment on key factors determining rating

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

Comment on key factors determining rating

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

Comment on key factors determining rating

The State Government has agencies located in various parts of Gujarat and has asked the U.S. counterparts to be posted in the location of the relevant agency. This has led to close cooperation between Indian and American counterparts, but has made communication among the FPU's more difficult. On balance it is evident that this is the best possible arrangement in the State of Gujarat given its organizational structure.

7. OTHER DONORS	1	2	3	4	5	6	7	1	2	3	4	5
NA												

(See Next Page for Comments on Other Donors)

AIC 1033 (5/10/70)	PROJECT NO. 386-11-110-366.9	PAR FOR PERIOD: 1/1/70 to 6/30/71	COUNTRY India	PAR SERIAL NO. FY 72-7
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II. 7. Continued: Comment on key factors determining rating of Other Donors

N.A.

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PERIOD
		CUMU- LATIVE PRIOR FY	CURRENT FY		FY 72	FY 73	
			TO DATE	TO END			
Four field problem units in Soil Conservation/Agronomy, Irrig./Drng., Seed Production and Farm Machinery	PLANNED	4	4		4	1	
	ACTUAL PERFORM- ANCE	4	4				
	REPLANNED						
Have carried out high yield variety kit program on wheat, paddy and millet.	PLANNED	1300	25000		32000	-	
	ACTUAL PERFORM- ANCE	1300	22800				
	REPLANNED						
Training program P - Participants L - Local staff	PLANNED	P-8 L-100	P-2 L-900		P-5 L-1000	P-5 L-1000	P-20 L-3000
	ACTUAL PERFORM- ANCE	P-8 L-40	P-2 L-90				
	REPLANNED						
	PLANNED						
	ACTUAL PERFORM- ANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT: State research has produced two high yielding baj hybrids adapted in many locations - have built an air-conditioned storage facility for inbred and breeding line of seed also established a seed processing facility for breeders seed.						
1. Research institutes carry out adaptive research directed toward solving production problems	COMMENT: The technicians have been used in advisory capacity in discussions with World Bank and other state and international bodies who have visited Gujarat. They have also with the agricultural engineer been instrumental in development of indigenous machinery - seed and fertilizer drill - all purpose thresher, peanut digger, etc.						
2. FPU's in irrigation and in soil conservation are important link in state irrigation development.							
3.	COMMENT:						

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IV. PROJECT PURPOSE

1. Statement of purpose as currently envisaged.

2. Same as in PROP? YES NO

slightly reworded

Assure continuing identification and solution of production problems resulting from the introduction of high yielding varieties and associated inputs and the farm level adoption of recommended practices.

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

2. Evidence to date of progress toward these conditions.

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|---|--|
| <p>High level coordination exists.</p> <p>2. Qualified researchers and field staffs are assigned.</p> <p>3. Agricultural research program oriented toward problems retarding foodgrain production.</p> <p>4. Established lines of communication among related research agencies, field staff, and private industry.</p> <p>5. Systematic interpretation and testing of research conclusions.</p> <p>6. Dissemination to farmers of tested research conclusions and farmers acceptance of recommended practices.</p> | <p>1. Counterparts are all deputy directors and state director of agriculture regularly visits the field problems units and uses their judgement in making decisions.</p> <p>2. The State has qualified field staff and has produced two high yielding hybrids of Bajra, also HY cotton and HY groundnut.</p> <p>3. State obtained refrigerated storage and seed cleaning facility for breeders seed.</p> <p>4. Field staff are being used as resource people for planning irrigation and drainage.</p> <p>5. Package of practices developed and tested on farmers fields, improved indigenous farm machinery, irrigation methods are being tested.</p> <p>6. The Kit program with the necessary training of farmers is being implemented. Publications on different crop package of practices, and on multiple cropping etc. are being distributed.</p> |
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V. PROGRAMMING GOAL

A. Statement of Programming Goal

Assist India to achieve continuing rapid growth in foodgrain production.

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 rapid introduction of high yield varieties has increased production on individual farms three to four fold when the proper production inputs are used and corrective practices are employed. The solution of field problems will identify the proper inputs and practices required to maximize yield per unit area.