3860366 (29)

AID 1020-25 (10-70) REPORT U-446

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PROJECT APPRAISAL REPORT (PAR) PD. AAD- 108 - F1

1. PROJECT NO.	2. PAR FOR PERIOD:	3. COUNTRY	4. PAR SERIAL NO.
386-11-110-366.9	July 1, 1971 TO Sept. 30, 72	India	FY 73-2

5. PROJECT TITLE

TERMINAL PAR

Agricultural Production - Gujarat

6. PROJECT DURATION: Began FY 1968 Ends FY 1973	7. DATE LATEST PROP	8. DATE LATEST PIP	9. DATE PRIOR PAR
	6/24/69	-	9/13/71

6 p.

10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: FY 1972 $585,000	b. Current FY Estimated Budget: $ -	c. Estimated Budget to Completion After Current FY: $ -

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

a. NAME	b. CONTRACT, PASA OR VOL. AG. NO.
Participatin g Agency - USDA	NESA (AJ)-33-68
(Agriculture Research Service and Federal ~~Extension Service~~)	

I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X) USAID	A. ACTION (X) AID/W	A. ACTION (X) HOST	B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
			In-depth evaluation could not be carried out because of non-participation by GOI. However, we have copies of the requested summary of team activities.	No action as the project phased out as of Sept. 30, 1972.

D. PIP PLANNING REQUIRED REVISED OR NEW: ☐ PROP ☐ PIP ☐ PRO AG ☐ PIO/T ☐ PIO/C ☐ PIO/P

E. DATE OF MISSION REVIEW: 1/22/73

PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE: Ervin T. Bullard ETB 2/9/73

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: UNSATISFACTORY 1	2	SATISFACTORY 3	4	5	OUTSTANDING 6	7	C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X): LOW 1	MEDIUM 2	3	4	HIGH 5
1. PASA-NESA (AJ)-33-68				X								X
2.												
3.												

Comment on key factors determining rating : Inspite of separate location of the Field Problem Units, the team members fully cooperated with each other in the exchange of information and tackling of field problems. The performance in various fields was satisfactory. The working relationships with the Indian counterparts continued to be cordial even after the establishment of the office of Gujarat Agricultural University at Ahmedabad in April 1972 and transfer of agricultural colleges at Anand, Navsari and Junagarh from the Director of Agriculture to the University.

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

Comment on key factors determining rating

One participant for training in seed production and processing nominated under the FY 1972 program was cancelled because of the suspension of the participant training program.

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

Comment on key factors determing rating Commodities and equipment were procured as and when needed by the Field Problem Units. Some delay was caused by the Gujarat State Public Works Department in the construction of room for seed storage designed by the U.S. technician. All agriculture equipment obtained during the presence of American experts has been transferred to the Dept. of Agr. for the continuation of project activities.

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

Comment on key factors determining rating

The Indian counterparts of the U.S. technicians were competent and cooperative. The performance on the whole was very satisfactory. Whenever necessary, the Field Problem Units met together for the solution of any specific problems on crops/machinery.

		1	2	3	4	5	6	7	1	2	3	4	5
7. OTHER DONORS	Not Applicable												

(See Next Page for Comments on Other Donors)

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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)					
		CUMULATIVE PRIOR FY 72	CURRENT FY 73 TO DATE	CURRENT FY 73 TO END	FY ___	FY ___	END OF PROJECT
Four field problem units up to October 23, 1971 and three FPUs since then.	PLANNED	4	4				4
	ACTUAL PERFORMANCE	4	3				
	REPLANNED						
High-yielding varieties kit-program on wheat, paddy and millet.	PLANNED	32,332	10,000				42,332
	ACTUAL PERFORMANCE	30,881	*				
	REPLANNED						
Training program P-participants (U.S. trained) L-Local staff	PLANNED	P-15 L-2000	P-0 L-*				P-15 L-2000
	ACTUAL PERFORMANCE	P-7 L-1820	P-0 L-*				
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						

B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS

1. Kit program established and developed.

COMMENT: Kit program initiated by the PASA team and taken over by the cooperative societies was further expanded. During FY 72, 17881 kits were distributed as against a target of 23000 kits. In July-August, 1972, it was planned to distribute 10,000 kits.

2. Field Problem Units in Soil Conservation/Agron, Irrigation/Drainage, Seed Production, and Agricultural Machinery.

COMMENT: The technicians developed effective programs with the State Dept. of Agriculture on wind-break plantation under soil conservation scheme, on soil and water management, problems of waterlogged and saline lands and 17 trial-cum-demonstration government farms, on seed production and storage and on bullock-drawn and tractor-drawn equipment and implements, such as V-ditchers, buck-scraper, bund-former, listers, seeder, thresher, land plane, etc.

3. Field Demonstrations

COMMENT: About 1,440 demonstrations in soil conservation, seed storage and processing, soil and water management, and farm machinery equipment, etc. were conducted. About 50 tons of millet seed was cleaned, treated and bagged.

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IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged.

2. Same as prior? ☐ 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.

B. 1. Conditions which will exist when above purpose is achieved.	2. Evidence to date of progress toward these conditions.
1. High level coordination exists.	1. The Field Problem Units met frequently. The U.S. technicians, in cooperation with other agencies concerned, initiated such programs as will improve the state agriculture, e.g. distribution of nearly 18,000 input kits, planting of 1,172 trees as wind breaks on sandy soils, development of a complete water management plan for a 10,000-acre irrigation project, improvement of essential tillage implements, etc.
2. Qualified researchers and field staff are assigned.	2. The Indian associates of the team members were competent and well qualified to continue the activities. They were fully involved in planning and development of problem-oriented programs.
3. Agricultural research program oriented toward problems retarding foodgrain production.	3. The research program was problem-oriented as was evidenced by the development of new varieties, irrigation-cum-drainage system on government farms, seed production, processing and storage, conservation program of sandy soils, and suitable farm implements and machinery.

Contd. . . Page 4A

V. PROGRAMMING GOAL

A. Statement of Programming Goal

Assist India to achieve continuing rapid growth in foodgrain production.

Assist Gujarat 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.

High Yielding Varieties of major foodgrain crops are well accepted. Presently, one-third of area under bajra (millet) and about one-half of wheat area is under high-yielding varieties. The progress under rice, sorghum and maize is, however, much below the planned targets. Increase in the area under HYVs of millet and wheat, coupled with the use of package of practices popularized through the distribution of complete input kits and other extension measures, has made tremendous impact on the foodgrain production of the state.

B.1. Conditions which will exist when above purpose is achieved.	B 2. Evidence to date of progress toward these conditions.
4. Established line of communication among related research agencies, field staff and private industry.	4. The line of communication between the various agencies is well established. The research and extension staff coordinate in taking up training programs of workers in various fields and in holding farmer's days at the research stations and trial-cum-demonstrations farms. Farm implements were developed in liaison with the private industry. Some problems of coordination which arose with the establishment of Gujarat Agricultural University were satisfactorily sorted out.
5. Systematic interpretation and testing of research conclusions.	5. The state has a number of trial-cum-demonstration farms in various ~~agricultural~~ agro-climatic regions for testing new varieties, and agricultural practices. Package of practices, useful implements like V-ditchers, buck scraper, land plane, listers, thresher, and seed-cum-fertilizer drill were developed after they were thoroughly tested and evaluated at government farms and farmers' fields.
6. Dissemination to farmers of tested research conclusions and farmers' acceptance of recommended practices.	6. Research conclusions are disseminated thru field demonstrations, village meetings, farmers' training, distribution of input kits, publication and distribution of leaflets in local language, holding field days, etc. The area under high-yielding varieties of millet, wheat, paddy, and maize in 1971-72 increased by 19 percent, 50 percent, 25 percent and 17 percent respectively ~~over~~ over the previous year.