

MAY 8 1969 3860366 (5)

AID 1020-25 (7-68)		SECURITY CLASSIFICATION		001 PROJECT NUMBER	
PROJECT APPRAISAL REPORT (PAR)		Unclassified		386-11-110-366.2	
(U-446) See M.O. 1026.1					
002 PAR	MO	DAY	YR	003 U.S. OBLIGATION SPAN	004 PROJECT TITLE
AS OF:				FY [] Thru FY []	PD.AAD-104-G1
008 COOPERATING COUNTRY			009 REGION AID/W OFFICE		
India/ANESA			87 87		
Agricultural Production ANDHRA PRADESH					

12 p.

AID DOLLAR FINANCING-OBLIGATIONS (\$000)	TOTAL	CONTRACT (NON-AID)	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)	278	261	-	-	257	14	-	-	7	-	-
PROPOSED OPERATIONAL YEAR (FY 19)	152	125	-	-	116	27	-	-	9	-	-

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	d. IMPLEMENTING AGENCY	TYPE CODE		d. CONTRACT/ PASA/ VOLAG NO.	e. LEAVE BLANK FOR AID/W USE
			b.	c.		
1. U.S. CONTRACTOR	3. PARTICIPATING AGENCY	1. Kansas State	1	1	AID/Neqa-322	
2. LOCAL CONTRACTOR	1. UNIVERSITY	2. University				
3. THIRD COUNTRY CONTRACTOR	2. NON-PROFIT INSTITUTION					
4. PARTICIPATING AGENCY	3. ARCHITECTURAL & ENGINEERING					
5. VOLUNTARY AGENCY	4. CONSTRUCTION					
6. OTHER	5. OTHER COMMERCIAL					
	6. INDIVIDUAL					
	7. OTHER					

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 PAR 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):

See attached.

MISSION DIRECTOR APPROVAL →	SIGNATURE <i>John Funari</i>	DATE April 24, 1969
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DD - John Funari

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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

This activity seeks to "institutionalize" patterns of cooperation that will serve the long range needs of agricultural development in a state so that the State Department of Agriculture, which is responsible for services to the cultivator, and the Agricultural University or other State facility, which is responsible for research, respond cooperatively to the needs of the cultivator in order to increase agricultural production.

The activity in the State of Andhra Pradesh is staffed through a contract with Kansas State University. Five US subject matter specialists arrived between February and April 1967. Indian counterparts in each specialty field were assigned, one counterpart from the State Department of Agriculture and one from the Agricultural University. The US specialist and his two counterparts are known as a Field Problems Unit (FPU) in the particular specialty; in Andhra Pradesh there are five Units. The team soon adjusted to local conditions and planned a program of work. A High Level Coordinating Committee (see I-B-1) was established to meet with the team every three months to give guidance and help resolve problems encountered. This basic institutional unit is used to attack targets 1 and 2 (009).

There has been a continued growth of involvement by this team (and their counterparts) in the work of the state. As a result there has been a substantial improvement in the relationships and coordination among the officials of the State Department of Agriculture, the University, and to a limited extent the private sector agencies in the implementation of on-going State agricultural programs.

Although the program is still new, progress has been made by such activities as the establishment of six agricultural implement training and demonstration centers, through field demonstrations on specific crops, and by training agricultural staff members in the specialty fields represented by the FPUs. These demonstrational activities have been effective in identifying field production problems and in illustrating appropriate methods of approach for the solution of problems. Field demonstrations of irrigation practices resulted in so many demands for services that the FPU in this specialty, in cooperation with the University and State Department of Agriculture, have planned and implemented an outdoor irrigation laboratory for research and training in improved irrigation methods for agricultural staff members of both agencies and for innovative farmers.

Cooperative studies of crop fertilizer requirements have been started. These involve the FPU, the Agricultural University, Ford Foundation, and the State Department of Agriculture. These studies will attempt to correlate actual field findings with recommendations from soil tests. The fertility FPU has demonstrated the distinct yield advantages of banding phosphate as opposed to broadcasting.

The team efforts have improved working relationships within the Department of Agriculture and there is an improvement in working relations between the Department and the Agricultural University. While in a more limited way, the team has interested the private industry in conducting training programs in the use and repair of sprayers and in starting manufacture of adapted irrigation equipment.

The team is being increasingly involved in the training of personnel in improved methods -- Training of Trainers.

The in-depth evaluation to be completed in the spring of 1969 is designed to answer the questions of relevancy to sector goals and effectiveness of performance.

NOTE: The KSU team members fully participated in the preparation of the activities of this sub-project and in the preparation of this PAR.

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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.	3. 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		
	<p>1. To promote the development and use of State institutions and service organizations which can identify production problems that are retarding agricultural progress and to initiate appropriate methods for their solution.</p> <p>2. To institutionalize a pattern of cooperation between the Directors of Agriculture, the Agricultural Universities or state research facilities, and the extension field staff which will involve them directly in the development program of the State, orient their research programs toward the immediate problems of production, and clearly establish the University or State research facility as an institution that helps the Department of Agriculture to carry out its responsibilities for developing the agriculture of the State.</p> <p>3. Through the FPU to provide technical knowledge verified through applied research for further refinement of the package of practices to be recommended for each of the HYVAs.</p> <p>4. Through the FPU to develop demonstration and training programs necessary to acquaint agricultural workers, at district, block, and village levels, and farmers with the package of practices to assure their understanding and acceptance of the concepts and the ultimate implementation by the farm family.</p> <p>5. Through the FPU to establish close communications and working relationships between the field agricultural staff of the HYVA program and those public and private agencies and facilities responsible for providing the necessary inputs.</p>	NOT	APPLICABLE			

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)	b. 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 b. SECTOR AND PROGRAM GOALS (LIST ONLY THOSE ON WHICH THE PROJECT HAS A SIGNIFICANT EFFECT)	c. POTENTIAL IMPACT ON EACH GOAL IF PROJECT ACHIEVES TARGETS	d. ACTUAL IMPACT ON GOAL TO DATE RELATIVE TO PROGRESS EXPECTED AT THIS STAGE
	(1) Assist India to achieve self-sufficiency in food production.	3	2
	(2) Help achieve adequate supply and distribution of essential agricultural inputs, accompanied by the appropriate technology.	2	2
	(3) Help develop the indigenous institutions, technical skills, and management capability necessary to assure the full application of agricultural inputs.	3	2
	(4) Help develop appropriate processing, marketing and distribution mechanisms for the agricultural products.	1	2

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):

This period represents only one and a half years of operation; however, it appears that accomplishing goal 3 would make a significant impact on the accomplishment of the other three goals. This would achieve a better use of technical skills and would direct both research and field operations to field problems.

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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?	N
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?	N
017 Have any important lessons, positive or negative, emerged which might have broad applicability?	N
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):	

- 019 Aspects of the project which lend themselves to publicity in the USA are field days for extension officers and cultivators, agricultural implements demonstration centers, contour furrow demonstrations, and the water management laboratory.

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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.

(a)

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
A	1. FPU members, State Director of Agriculture, and University specialists conduct field reviews of HYV District programs and problems with District collectors and agricultural staff to identify production problems and planned actions for each State agency - three districts (as planned) reviewed this year.		X	
	2. Establish a High Level Coordinating Committee composed of the Secretary of Agriculture, the State Director of Agriculture, the University Director of Research, the American Chief of Party, the USAID Division Chief, and the Commissioner of Extension; meets regularly to review program and current operations of each agency and assure cooperation and coordination between the agencies.		X	
	3. Conduct meetings on particular subjects, such as a planning session to set up direct seeding trials of rice. All FPUs participated to assure trials would take into consideration all phases of production represented by the team i.e. soil fertility, farm implements, water management, plant protection, and seeds. Informal daily contacts establish close communications among the staff and involve commercial companies, especially in the fields of farm machinery, plant protection, and water management.		X	
B	Train seed specialists.			
	1. Prepare accurate variety characteristic descriptions of HYV crops for maintaining genetic purity.		X	
	2. Develop research on proper ratio of male and female plants parents for hybrid seed production.		X	
	3. Demonstrate on farm methods of seed drying.		X	
C	Test effectiveness of available insecticides on insects affecting HYV crops.			
	1. Field trials on the effectiveness of insecticides on shoot fly affecting sorghums.		X	
	2. Field trials of insecticide effectiveness on stem borer on rice.		X	
	3. Train field staffs on methods of application and sprayer maintenance.		X	
D	Establish an insect survey systems to identify insect pests, and their life cycles to determine effective time of spraying for control.			

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PAR CONTINUATION SHEET

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022 - A-1-Individual Actions (Contd.)

	1	2	3
1. Train agricultural officers in insect identification.		x	
2. Establish light traps for collection of insects.		x	
3. Prepare periodic information for cultivators on insect status for spraying schedules.		x	
E Develop water management systems for on farm irrigation.			
1. Carry out farmer demonstration of contour irrigation on farms.		x	
2. Establish an outdoor water management laboratory for training agricultural staffs and farmers in adopted methods of irrigation.			x
3. Train agricultural officers in methods of design and layout of farm irrigation systems.		x	
4. Involve Indian private industry in the design and manufacture of irrigation equipment and supplies.		x	
F Promote efficient use of fertilizers on high yielding varieties.			
1. Demonstrate beneficial effect of placement of phosphate fertilizer on HIV crops.		x	
2. Initiate studies to correlate soil laboratory tests with field response through greenhouse pot studies and field trials.			x
3. Intensify soil sampling and testing for farmers.		x	
4. Prepare fertilizer handbook for use by agricultural field workers.			x
G Promote use of adapted farm implements of improved design to increase crop yields.			
1. Field trials to compare effectiveness of traditional and improved farm implements.		x	
2. Establish 6 farm machinery demonstration and training centers to train agricultural workers and farmers in the use and maintenance of improved implements.		x	
3. Establish demonstrations on farms with previously field tested improved implements including animal drawn and tractor drawn tools.		x	
4. Prepare bulletins for farmers on the operation and care of farm implements.			x

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PART II - Continued

023

II-A.2 - OVERALL TIMELINESS

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

(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):	

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.

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
025 Adequacy of technical knowledge	P	033 Promptness of required reports	P
026 Understanding of project purposes	P	034 Adherence to work schedule	P
027 Project planning and management	P	035 Working relations with Americans	P
028 Ability to adapt technical knowledge to local situation	P	036 Working relations with cooperating country nationals	P
029 Effective use of participant training element		037 Adaptation to local working and living environment	P
030 Ability to train and utilize local staff	P	038 Home office backstopping and substantive interest	P
031 Adherence to AID administrative and other requirements	P	039 Timely recruiting of qualified technicians	P
		040 Other (describe):	

2. FACTORS-PARTICIPANT TRAINING NA

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

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PART II-B - Continued**3. FACTORS-COMMODITIES**

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

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 1020-251 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.

After a slow start, activities of the Andhra Pradesh project are moving forward. Several concepts to increase foodgrain production have been "planted" within the Indian system. Good relationships have been developed between the Andhra Pradesh Department of Agriculture and the Agricultural University.

Problem areas are primarily those of the Indian bureaucracy, short working hours of government officials, and numerous holidays.

b. Implementing Agency.

The relationship among Kansas State University team members is excellent. In addition, they have developed a good working relationship with the staff members of the Rockefeller and Ford Foundations who also have extensive programs in Andhra Pradesh.

The home office of KSU is interested in agricultural production activities and have provided the necessary backstopping. In addition, it has attempted to recruit technicians on a timely basis.

c. Participants.

Team members are convinced that the participant training program can be one of the most important tools in the success of this project. After the State Director of Agriculture, Dr. T.V. Reddy, returned from the US, Agriculture Production activities began to move. He became personally involved and was instrumental in assigning a State technician to each FPU in addition to the counterparts.

d. Commodities.

Not applicable.

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

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):

- * At this time we do not consider that any of the above factors are significantly affecting the progress of this sub-project. The activity was started in response to a recognition of the affect of the above cited deficiencies upon food production in India. Since the Indian states are responsible for agricultural operations, the Center urged that U.S. technical assistance be concentrated on problems identified by an asterisk. The project is organized to help the Indian officials overcome traditional and inherited procedures and for this reason specifically points its essential efforts in this direction.

The subject matter specialists, both U.S. and Indian, are organized into Field Problems Units to identify problems impeding crop production and develop procedures for their solutions, thus building a pattern of action involving all State agencies in a coordinated inter disciplinary approach.

Within this framework, deficiencies in the role of the cooperating country play a significant part in determining the activities of the project. For example, take factor 080, "Coordination and cooperation between ministries." Target 2 of

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106 Narrative for Part III (Contd.)

this project is to "institutionalize a pattern of cooperation between the Director of Agriculture, the Agricultural University or State research facilities and the extension field staff." When this project began, coordination was considered less than satisfactory, but even in the short time the sub-project has been in existence, work by the U.S. team members has brought about a glimmer of improvement. All the Us are working to involve all agencies concerned in their problems to develop a formal pattern of working relationships which will continue to function after the project is completed.

The lack of reliable data for fertilizer response of new high yielding varieties rather than being a block to progress indicated the action necessary by the soil fertility FPU; as a result, a coordinated activity for testing fertilizer response was planned and is in progress.

Maintenance of equipment is less than satisfactory on government farms and stations and on private farms. This problem impedes progress so the plant protection FPU is training the agricultural field workers to assist farmers in operating and maintaining their spray equipment. The farm machinery FPU has a similar activity for pump sets and power machinery. Both FPUs have successfully involved the local manufacturers and distributors so they will assume more responsibility in supplying parts and servicing their products.

The problem of low pay and allowances, frequent changes in staff, and availability of funds do affect progress but are universal and not specifically limited to this project.

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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):

We consider the purpose and design valid under current conditions and results to date justify continuing as planned.

IV-B - PROPOSED ACTION

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

1. Continued as presently scheduled in PIP.	X
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.	
6. Evaluated in depth to determine its effectiveness, future scope, and duration.	X
7. Discontinued earlier than presently scheduled. Date recommended for termination: Mo. ___ Day ___ Yr. ___	
8. Other. Explain in narrative.	

109 NARRATIVE FOR PART IV-B:

6. Evaluation scheduled for early 1969.

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