

PROJECT APPRAISAL REPORT (PAR)

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1. PROJECT NO. 931-11-130-203	2. PAR FOR PERIOD: July 1, 1974 to Dec 31, 1975	3. COUNTRY TA Bureau	4. PAR SERIAL NO. A1
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5. PROJECT TITLE

Seed Program and Seed Industry Development

6. PROJECT DURATION: Began FY <u>57</u> Ends FY <u>78</u>	7. DATE LATEST PROP June 1975	8. DATE LATEST PIP -	9. DATE PRIOR PAR Mar. 12, 1975 <i>8p</i>
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10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ <u>1,554,000</u>	b. Current FY Estimated Budget: \$ <u>210,000</u>	c. Estimated Budget to completion After Current FY: \$ <u>220,000</u>
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

c. NAME Mississippi State University	b. CONTRACT, PASA OR VOL. AG. NO. Contract AID/ta-c-1219
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I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X)		B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
AA	AID/W Other		
X		1. Conduct seed workshop at Zamarano, Honduras for 2 weeks, to train participants from Latin American countries in seed processing and seed systems.	June 1976
X	X	2. Plan similar seed workshop at CIAT, Cali, Colombia for Andean countries	January 1977
X	X	3. Participate in policy planning and proposed action of CGFPI for involvement of commercial seed trade in industry development in LDCs.	no terminal date

D. REPLANNING REQUIRES REVISED OR NEW: <input type="checkbox"/> PROP <input type="checkbox"/> PIP <input type="checkbox"/> PRJ AG <input type="checkbox"/> PIO/T <input type="checkbox"/> PIO/C <input type="checkbox"/> PIO/P	E. DATE OF MISSION REVIEW Jan. 21, 1976
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PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE Earl R. Leng, Project Manager <i>E.R.L.</i> 7/76	MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE Leon F. Hesser
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PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORKLife of Project:
From FY _____ to FY _____
Total U. S. Funding _____
Date Prepared: _____Project Title & Number: Seed Industry Development AID/ra-C-1219

NARRATIVE SUMMARY	OBJECTIVELY VERIFIABLE INDICATORS	MEANS OF VERIFICATION	IMPORTANT ASSUMPTIONS
Program or Sector Goal: The broader objective to which this project contributes: To increase quantity and quality of feed and feed crop production in LDCs so that the socio-economic position of the farmer will be improved.	Measures of Goal Achievement: a) Better quality and variety of food available on the market, b) Increased production per unit area of food crops c) Farmers have better farming equipment, improved housing, education and medical services.	1) On-site inspection in market place and by laboratory tests. 2) Verified by Ministry of Agriculture and farmers' records. 3) On-site inspection and ministry of health records.	Assumptions for achieving goal targets: a) Governments give high priority and financial and political support to Agricultural Sector, b) Farmers use extra earnings to purchase farm equipment and supplies, for education and medical services.
Subsector Goal - Development of policies, institutions and manpower resources which will contribute to greater effectiveness in seed input delivery system.	Subsector Goal - Long range seed industry development programs formulated and adopted b) LDCs have operational capabilities to operate in all phases of seed industry c) Increased participations of all elements engaged in specialized seed production d) More small and medium sized farmers planting improved seed varieties.	1) Verified by Mission, LDC and Contractor's reports and on-site observations. 2) On-site inspections and reduced requirements for outside technical assistance 3) Adequate supplies of high quality and seed for sale for own use and for exchange/sale with other LDCs. 4) Small farmers participating in seed sales at local and regional levels.	a) advancements in food production will be achieved thru introduction and local development of high yield varieties of crops and by use of tested and proven local agricultural practices (Package of Practices), b) governments will implement policies for development of most viable seed supply industry to supply best quality seed. c) government and other agencies make credit facilities available to small farmers and seed industries at reasonable rates.
Project Purpose: To provide upon request from cooperating LDCs and USAIDs assistance in seed program/industry development, planning, implementation and evaluation leading toward a responsible, responsive seed production industry capable of meeting the farmers' and the country's needs for improved seed.	Conditions that will indicate purpose has been achieved: End of project status. Same as above in subsector goal.	Same as above under subsector goal	Assumptions for achieving purpose: a) LDC agricultural officials recognize crucial role for adequate supply of quality seed. b) Government willing to commit necessary financial and manpower resources for crop improvement and demonstration programs. c) Reasonable incentives provided to farmers to produce high quality seed by appropriate pricing policies. d) That short-term technical assistance will be effective and be utilized effectively.
Outputs: a) Advice provided to LDCs by consultants on all phases of seed industry, b) LDC technicians and managers trained on job also in Workshops/Seminars, c) Technical information provided to LDCs use of Information center, d) Manual prepared, published and distributed.	Magnitude of Outputs: a) Unquantifiable - dependent on number and nature of requests received from the USAIDs and the LDCs, b) A total of 30 trainees each fiscal year, c) Unquantifiable: depends on number and nature of requests received, d) One manual distributed each year.	Means of Verification: a) Reports and records of LDCs, USAIDs, and contractors. b) Contractor's, USAID's, and LDC's records on participants. c) Contractor's reports and LDC's requests for assistance. d) Contractor's, USAID's and LDC's records of having received manuals.	Assumptions for achieving outputs: a) Technical assistance will be requested as needed. b) Financial resources available for seed industry development. c) Necessary manpower made available to implement, operate and manage seed industry. d) Commitment by LDCs to seed industry development should be of sufficient depth and duration to permit establishment of adequate and sound seed industry program. e) That LDCs will accept and implement plans on advice provided by contractor.
Inputs: a) Contractor provides qualified advisory personnel, backstopping and campus facilities. b) AID/W provides budget support and project monitoring. c) USAID's, LDC's international agencies provide funding for LDC installations.	Implementation Target (Type and Quantity) Contractor: Mississippi State University (MSU). USAID/W funding MSU Consultants Technician Stenographer Library Facility Workshop a. USAID/LDC Funding of Trainees As Required b. LDC Funding of Trainees As Required Provide Personnel As Required c. Other donors Total: As Required	Means of Verification: a) AID/W records. b) MSU reports and records, advisory reports, completion of in-country facilities (on-site inspection). c) MSU reports on people trained in country, workshops and facility record of thruput of seed. d) LDC and Mission reports.	Assumptions for providing inputs: a) That contractor will have necessary manpower to respond to promptly to request for assistance to LDCs. b) LDCs have qualified personnel to participate in workshops and follow instruction in construction of seed facilities, etc. c) International lending organizations willing to negotiate loans to LDCs.

III. Standard/Key Questions

A. Project Inputs

1. Are key inputs being supplied according to plan by:
(a) AID, (b) action agent, (c) cooperating countries;
(d) multilateral organizations, and/or (e) other donors?

YES NO If no, explain

2. Are assumptions regarding the supply of inputs still valid?

YES NO If no, explain

3. Rate performance of action agent(s) against plan:

OUTSTANDING SATISFACTORY UNSATISFACTORY
Comment on key factors determining rating

B. Transformation of Inputs into Outputs

4. Given the answers above, i.e., progress to date in supplying inputs, changes in assumptions, etc., is the management hypothesis that the totality of the resources applies to the project will be sufficient to produce the predetermined outputs by the specified target dates still valid?

YES NO If no, explain

5. Is the approach or course of action originally selected, i.e., project design and/or methodology, still the most appropriate?

YES NO If no, what changes need to be made in either inputs, workplans and/or output expectations?

C. Project Outputs

6. List the output indicators, their planned targets, and the actual performance achieved for each during the period under review. (See IV.)

- a. Was actual performance less than planned target?

YES NO If no, explain.

- b. What changes, if any, are necessary in outputs, output indicators, target dates, and assumptions? None

Are they reflected in attached matrix?

YES NO N/A

c. Do action agent's reports provide adequate progress data for monitoring and analysis?

YES

NO

If no, what action will be taken to correct situation?

IV. OUTPUT PERFORMANCE

1. SERVICES PERFORMED AT FORMAL REQUEST OF MISSIONS AND AID/W

<u>Item</u>	<u>Reports Issued</u>	<u>Prof. Worker Days 4/1/74-6/29/75</u>
Responses to specific request from AID/W, Missions, normally involving overseas field trips; inc. preparation for trip; formulating and writing of reports; home station follow-thru and after-actions.	TOTAL	970
a. Latin America		<u>208</u>
(1) Bolivia	Memos only	5
(2) Costa Rica	TA 74-17; Rept. in prep.	64
(3) Haiti	Memo only	1
(4) Honduras	TA-74-12; TA-75-04	58
(5) Panama	Memos only	8
(6) Peru	Memos only	7
(7) Paraguay	Memos only	10
(8) ROCAP	TA-74-05; TA-74-06; TA-74-07; TA-74-08; TA-74-09; TA-74-10	55
b. Africa		<u>394</u>
(9) Ethiopia	Memos;TA-74-03	39
(10) Ghana	TA 74-15;74-15A	110
(11) Ivory Coast	Prelim Rpt; TA-75-02	59
(12) Morocco	Memos only	8
(13) Niger	TA 75-01; 75-01A	72
(14) Nigeria	Memos;Rept. in prep.	41
(15) Tanzania	AID Eval. Rept. (TA-75-06)	30
(16) WARDA Liberia Regional	TA 74-M-1;TA 75-M-1	35
c. NESA		<u>7</u>
(17) Nepal	Memos only	7
d. East Asia		<u>283</u>
(18) Thailand	TA 74-16;75-2A Capital Asst Paper	283
e. World Wide		<u>50</u>
(19) FAO Conference on Seed Program Development (Vienna) and follow-thru	Chapter written for handbook	38

<u>Item</u>	<u>Reports Issued</u>	<u>Prof. Worker Days</u> <u>4/1/74-6/29/75</u>
(20) INTSOY Soybean Conference (Addis Ababa)	Paper written for proceedings	12
f. AID/W		
(21) Prep. of draft PROP	Draft Developed	8
(22) Host of AID/TAB, Crop Prod. Cont. Conf.	Conference held	20
2. RESPONSES TO TECHNICAL INQUIRIES		
<u>Source (Region)</u>	<u>Prof. Worker Days</u> <u>4/1/74-6/29/75</u>	
Responses to technical inquiries initiated by letter, phone, cable or involving personal visit.		
TOTAL	<u>157.75</u>	
a. Latin America	55.50	
b. Africa	27.25	
c. NESA	15.75	
d. East Asia	22.25	
e. Contract-Wide (International)	37.00	
3. PREPARATION AND DISSEMINATION OF TRAINING AND INFORMATIONAL MATERIALS		
<u>Activity</u>	<u>Prof. Worker Days</u> <u>4/1/74-6/29/75</u>	
Preparation of references, handbooks, and other informational, educational and training materials.		
	114	
4. ADAPTIVE RESEARCH - TECHNICAL AND ECONOMIC		
<u>Activity</u>	<u>Prof. Worker Days</u> <u>4/1/73-3/31/74</u>	
1. Technological Developments	41	
2. Economic-Management studies and analysis	<u>51</u>	
TOTAL	92	

V. TRAINING

a. INTERNATIONAL STUDENTS MAJORING IN SEED TECHNOLOGY ENROLLED IN REGULAR UNIVERSITY PROGRAM

1 July, 1974 to 29 June, 1975

<u>Name</u>	<u>Deg.</u>	<u>Country</u>	<u>Sponsor</u>	<u>Ending Date</u>
Facch, J	Ph.D	Costa Rica	Cov of CA	Cont
Desai, D. B.	Ph.D.	India	Independent	Aug., '75
Duangpatra, J.	Ph.D.	Thailand	Gov. of Thailand	Cont.
Wetzel, C.	Ph.D.	Brazil	USDA/USAID	Aug., '75
Aguiar, P.	Ph.D.	Brazil	USDA/USAID	Cont.
Correa, M.	Ph.D.	Brazil	Wisc. Contract	Dec., '74
Boonving, J.	Ph.D	Thailand	Ky. Contract	Cont.
Calderon, C	Ph.D	Colombia	Independent	Cont
Araujo, L	M.S.	Brazil	MSU Contract	Cont
Pereria, A.	M.S.	Brazil	Wisc. Contract	Dec '74
Tunstul, K.	M.S.	Thailand	USDA/USAID	May '75
Alvim, A.	M.S.	Brazil	MSU Contract	Aug., '75
Azevedo, J.	M.S.	Brazil	MSU Contract	Aug., '75
Ferreira, A.	M.S.	Brazil	MSU Contract	Aug., '75
Chaves, J.	M.S.	Brazil	USDA/USAID	Aug., '75
Lago, A.	M.S.	Brazil	USDA/USAID	Aug., '75
Lassim, M.	M.S.	Malaysia	Gov. of Malaysia	Cont.
Pieta, C.	M.S.	Brazil	MSU Contract	Aug., '75
Rocha, S.	M.S.	Brazil	MSU Contract	Aug., '75
Rosal, C.	M.S.	Brazil	MSU Contract	Aug., '75
Srijugawan, S.	M.S.	Thailand	Independent	May '75
Tippayaruk, S.	M.S.	Thailand	Ky. Contract	Aug., '75
Viera, E.	M.S.	Brazil	MSU Contract	Aug., '75
Viera, N.	M.S.	Brazil	Wisc. Contract	Aug., '75
Lema, A.	B.S.	Tanzania	USDA/USAID	Dec '74
Torres, J.	B.S.	Honduras	USDA/USAID	Dec '74
Basta, K.	M.S.	Sudan	Gov of Sudan	Cont
Parajuli, B.	M.S.	Nepal	Independent	July, '75
Okunday, J.	M.S.	Nigeria	Gov. of Nigeria	Cont.
Pallangyo, E.	M.S.	Tanzania	USDA/USAID	Cont.
Bragantini	M.S.	Brazil	MSU Contract	Cont.
Dieu, N	M.S.	Viet Nam	USDA/USAID	Terminated
Fernandes, G.	M.S.	Brazil	MSU Contract	Cont.
Gomes, L.	M.S.	Brazil	MSU Contract	Cont.
Gressler, O.	M.S.	Brazil	MSU Contract	Cont.
Oropeza, F.	M.S.	Venezuela	Gov of Venezuela	Cont.
Mmari, C.	B.S.	Tanzania	USDA/AID	Cont.
Ogidi, M.	M.S.	Nigeria	USDA/AID	Cont.
Ghanmi, M.	M.S.	Tunisia	USDA/AID	Cont.
Daher, F.	M.S.	Brazil	MSU Contract	Cont.

<u>Name</u>	<u>Deg. Goal</u>	<u>Country</u>	<u>Sponsor</u>	<u>Ending Date</u>
Peske, S	M.S.	Brazil	USAID/Brazil	Cont.
Possamai, E.	M.S.	Brazil	USAID/Brazil	Cont.
Caceres, J.	B.S.	Honduras	USDA/USAID	Cont.

B SPECIAL STUDENTS

Charuspong, A.	6 mo.	Thailand	USDA/USAID	Oct '74
Suchart, S.	6 mo.	Thailand	USDA/USAID	Oct '74
Lansakara, H.	8 mo.	Sri Lanka	USDA/FAO	Mar., '75
Larinde, C.	3 mo.	Liberia	USAID/WARDA	Dec '74

(WARDA)

C. 1974 Seed Improvement Course (103-3)
June 3 - July 12, 1974

<u>Name</u>	<u>Country</u>	<u>Sponsor</u>
Sumo, Francis	Liberia	USDA/USAID
Charuspong, Arunsit	Thailand	"
Suchart, Saiprasert	Thailand	"
Dieu, Nguyen	Viet Nam	"
Buono, Romeo	Philippines	"
De la Cruz, Felix	"	"
Criste, Fredrico	"	"

D. 1975 Seed Improvement Course (103-3)
June 2 - July 11, 1975

<u>Name</u>	<u>Country</u>	<u>Sponsor</u>
Julian Kacou	Ivory Coast	USDA/USAID
Kamal Khan	Pakistan	USDA/USAID
C. B. Bait	Philippines	"
C. Barba	Ecuador	"
R. B. Bersdmin	Philippines	"
J. P. Damo	Philippines	"
Diane Gaskell	Trinidad	"
C. Khong-Udnume	Thailand	"
W. Machado	Brazil	"
D. B. Manaligod	Philippines	"
W. S. Marasigan	Philippines	"
L. T. Mwakikosa	Tanzania	"
L. M. Mzee	Tanzania	"
R. K. Mishra	Nepal	"
J. Orellana	Ecuador	"
B. B. Panta	Nepal	"
L. F. Razera	Brazil	"
A. R. Da Silva	Brazil	"
G. R. Vergara	Philippines	"
C. M. Manandhar	Ivory Coast	Gov. of Ivory Coast