



Intsormil

TRIP REPORT

BY

R. W. KLEIS AND EARL R. LENG

HYDERABAD, INDIA

December 3-9, 1983

CONTRACT NO.: AID/DSAN/XII-G-0149

☆ International
Sorghum/Millet

☆ Collaborative Research
Support Program
(CRSP)

A Research Development Program of the Agency for International Development, Participating Land-Grant Universities, Host County Research Agencies and Private Donors.



Institute of Agriculture and Natural Resources
University of Nebraska-Lincoln



TRIP REPORT
ICRISAT
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SUMMARY: We visited ICRISAT to negotiate details of INTSORMIL participation in training activities of SADCC (Southern Africa) regional sorghum/millet project. ICRISAT has received a grant from USAID/Zimbabwe to carry out this project and INTSORMIL has agreed to conduct the degree-training portion of the work. We discussed the procedure for carrying out the first step of the project, as well as fiscal details of collaboration. Drafts of procedural agreements were prepared and left with ICRISAT officials to be finalized.

ITINERARY:

- Dec. 3 Left Lincoln, Nebraska. Flight via Chicago, New York and Delhi to Hyderabad.
- Dec. 5 Arrived Hyderabad, India (Leng-9:30 a.m., Kleis-5:30 p.m.)
- Dec. 6-7-8 Discussions with ICRISAT officials.
- Dec. 8 Departed Hyderabad, 9:10 p.m.
- Dec. 9 Arrived Lincoln, 10:30 p.m.

CHIEF PERSONS MET:

Dr. L. D. Swindale, Director-General
Dr. J. S. Kanwar, Director, Research
Dr. Curtis Jackson, Director, International Cooperation
Dr. Dallas Oswalt, Director of Training
Mr. Herbert Thompson, Director, Publications
Dr. Lee House, Leader, Sorghum Research
Dr. John Peacock, Principal Scientist, Plant Physiology
Dr. Lewis Mughogho, Principal Scientist, Plant Pathology

DETAILS:

1. Sub-Agreement to Memorandum of Agreement.

The basic Memorandum, signed June 23, 1983, provides in a general way for collaboration between INTSORMIL and ICRISAT. A "1st Sub-Agreement", of the same date, provides specifically for cooperation on the SADCC project, which at that time had not been finalized.

A second sub-agreement was made necessary by the provisions of the USAID grant to ICRISAT for the SADCC project. In this grant, INTSORMIL was mentioned as having a role in the training aspects of the project, but all funding and administration was placed in the hands of ICRISAT.

The draft "2nd Sub-Agreement" provides a working mode for INTSORMIL's participation. This sub-agreement (copy appended) appeared generally satisfactory but was not actually signed

2. Operational Plan for SADCC Training.

As part of the "2nd Sub-Agreement", it was considered necessary to draw up an agreed operational plan for the training activities. A draft of this plan, as submitted to ICRISAT, also is attached.

3. On-Site Training Needs Study.

One of the requirements of the USAID grant is that an on-site study of training needs be conducted jointly by INTSORMIL and ICRISAT. A deadline of 3 months after signing of a financial agreement was set for this study. (Note: the agreement was signed February 24, making the deadline May 24, 1984).

A draft plan for this study is appended.

Report prepared by
Earl R. Leng
March 1984

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2ND SUB-AGREEMENT TO GENERAL MEMORANDUM OF AGREEMENT BETWEEN ICRISAT AND INTSORMIL TO PROVIDE FOR DEGREE TRAINING OF STUDENTS FROM SADCC.

1. This sub-agreement makes further provision for operational collaboration between ICRISAT and INTSORMIL on a Regional Sorghum and Pearl Millet Research and Training Program for Souther Africa.
2. Specifically, reference is made to the general agreement and 1st sub-agreement between the two organizations, as signed June 23, 1983, and to Grant No. 613-0224-G-00-3029, issued to ICRISAT by USAID/Zimbabwe, dated September 15, 1983.
3. Under terms of the above referenced grant, ICRISAT and INTSORMIL agree that INTSORMIL will carry out certain training activities as specified in the grant letter and the approved project proposal. Fiscal arrangements with USAID/Zimbabwe will be made by ICRISAT. Fiscal arrangements and payments for activities performed by INTSORMIL will be made between ICRISAT and the University of Nebraska, Lincoln, as the Management Entity for INTSORMIL. When funds for this project have been made available to ICRISAT, an appropriate letter of Implementation will be issued to INTSORMIL. This will specify:
 - a) a firm budget for the degree training activity for the first project year.
 - b) Budget projections for this activity for the remainder of the grant period.

c) The amount of cash advance which will be made available to the Management Entity of INTSORMIL.

d) The specific methods by which future cash advances and payments will be made.

4. The budget for the training activity will include separately identified management costs and direct training costs.

Current estimates, subject to revision, are that management costs will average \$65,000 per operating year and that direct training costs will average \$ 24,000 per student per 12-months training year. Estimates of cost breakdowns to support these figures have been furnished separately to ICRISAT.

5. It is mutually agreed that the University of Nebraska, Lincoln, the designated Management Entity of the INTSORMIL Sorghum/Millet CRSP, will serve as the administrative and implementing entity for this activity.

6. In executing the degree training program, the University of Nebraska, Lincoln, will be subject to the regulations, procedures and restrictions applying to ICRISAT as the basic grantee.

7. An Operational Plan for the training activity is appended to this sub-agreement and made a part thereof.

(Signatures)

(Signatures)

OPERATIONAL PLAN FOR INTSORMIL DEGREE TRAINING ACTIVITIES
SADCC REGIONAL SORGHUM/MILLET PROGRAM

1. General Principles of Operation

- a. INTSORMIL will coordinate training activities through its Management Entity (M.E.) at the University of Nebraska.
- b. The INTSORMIL M.E. will maintain continuing contact with Regional Center personnel stationed in Zimbabwe, but also with USAID Missions and local government representatives in the various SADCC countries.
- c. A joint INTSORMIL/ICRISAT training study team will visit the SADCC countries as soon as possible after funds are made available, to prepare a more definitive training plan and to identify the highest priority areas for which training will be undertaken at the earliest opportunity.

2. SPECIFIC FUNCTIONS

The INTSORMIL Management Entity will be responsible for:

- a. Identifying candidates to be trained and matching these with the best available training facilities.

- b. Assist selected tainees in the admission procedures required by the chosen training institution.
- c. Arrange needed documentation for travel to the training site.
- d. Arrange and pay for international travel to the training institution.
- e. Arrange to pay a suitable stipend to cover student's living costs.
- f. Provide funds for payment of fees, purchase of books, and similar necessary costs of instruction and training.
- g. In cooperation with student's adviser and host institution, monitor student's progress.
- h. Provide funds and arrangements for suitable health care insurance
- i. Where research for advanced degree is to be conducted overseas, provide for necessary travel of student and adviser.
- j. Pay costs of thesis preparation and publication of research results, to the extent that funds are available.

- k. Maintain contact with student's home agency of assignment (actual or planned) to facilitate reentry or entry into professional employment.

- l. Provide ICRISAT semi-annual reports of all activities of both student Training and Management Entity as related to the terms of this subagreement. Format of these reports to be jointly decided by ICRISAT and INTSORMIL.

- m. Provide ICRISAT with all fiscal reports in a timely manner as specified in a future implementation letter to this agreement.

- o. Provide joint credit to ICRISAT on any publications which may result from this activity.

**GRADUATE-LEVEL TRAINING RESOURCES OF INTSORMIL FOR
SORGHUM AND MILLET**

The following summarizes the discipline or speciality areas in which INTSORMIL institutions have particular strengths:

Discipline/ Speciality	AZ (Ari- zona)	KY (Ken- tucky)	KS (Kansas State)	MS (Missisi. State)	NE (Nebra- ska)	PR (Purdue)	TX (Texas A & M)
Agronomy			X		X	X	X
Physiology	X		X		X		
Drought stress	X				X		X
Pathology				X	X	X	X
Entomology							X
Pl. Breeding	X		X	X	X	X	X
Genetics					X	X	X
Economcis		X	X		X	X	
Sociology		X					
Farming Sys.		X	X			X	
Food Utili- zation				X	X	X	X
Biochemistry			X		X	X	

These subjects are taught elsewhere, but listing above reflects outstanding strengths in graduate-level training.

INTSORMIL - UNIVERSITY OF NEBRASKA
 TRAINING COORDINATION BUDGET
 (Thousands)

	1**	2	3	4	5**
Coordinator (BY)	13.0(.25)	27.0(.50)	28.6(.50)	30.4(.50)	16.2(.25)
Admn Secretary (PY)	8.0(.50)	8.5(.50)	9.0(.50)	9.6(.50)	10.1(.50)
Staff Benefits-17%	3.5	6.0	6.3	6.8	4.3
Travel-Int. & Dom.	6.0	6.4	6.8	7.2	7.7
Communications	1.6	1.7	1.8	1.9	2.0
Supplies & Services	2.0	1.5	1.6	1.7	1.8
Sub-total	34.1	51.1	54.1	57.6	42.1
Indirect Costs-36%	12.3	18.4	19.5	20.7	15.2
	46.4	69.5	73.6	78.3	57.3

Average cost/year = \$ 65,000

* Annual increase of 6% included.

** Year 1 and year 5, one-quarter time coordinator
 Years 2, 3 & 4, one half time coordinator.

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COST PER STUDENT YEAR BASIS

\$ 24,000

Stipend	9,600
Tuition & Fees	3,800
Books & Supplies	800
Insurance	700
Int'l transportation	2,000*
U.S. Educ. Transportation	600
Research Costs	1,000
Advisor travel to country	2,500*
Miscellaneous	750**

\$ 21,750

Year 1 = 21,750	(5% annual
Year 2 = 22,800	increase)
Year 3 = 24,000	<u>24,000 av</u>
Year 4 = 25,200	
Year 5 = 26,500	

* ½ of RT per year

1 trip per MS candidate and advisor

2 trips per Ph.D. candidate and advisor

** Computer time, information retrieval, publications, photography, shipment of books, etc.

SADCC TRAINING ON-SITE STUDY

Information needed

1. Estimated staff requirement by time-frame, speciality and degree level.
2. Present staff.
3. Expected 10-year attrition.
4. Staff or staff candidates now in training.
 - a. Degree level
 - b. Speciality
 - c. Where
 - d. What funds
 - e. Current status (when training complete?)
5. Using above figures, estimate 5 and 10 year training needs by:
 - a. Degree level
 - b. Speciality
 - c. Target completion date
 - d. Most likely site
6. Any observations on limitations, such as:
 - a. Supply of students
 - b. Training available in home or nearby
 - c. Requirements for staff service or experience - special reference to critical local needs

Dec., 1983
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