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 PD-LAL-93-EI

AGENCY FOR INTERNATIONAL DEVELOPMENT  
**PROJECT PAPER FACESHEET**

1. TRANSACTION CODE  
 A ADD  
 C CHANGE  
 D DELETE

2. DOCUMENT CODE  
 3

3. COUNTRY ENTITY DS/AGN/TSWM RDA-2  
 Type e: Program Development and Support

4. DOCUMENT REVISION NUMBER  Extension

5. PROJECT NUMBER (7 digits)

6. BUREAU/OFFICE  
 A. SYMBOL DSB B. CODE

7. PROJECT TITLE (Maximum 40 characters)

8. ESTIMATED FY OF PROJECT COMPLETION  
 FY

9. ESTIMATED DATE OF OBLIGATION  
 A. INITIAL FY  B. QUARTER   
 C. FINAL FY  (Enter 1, 2, 3, or 4)

10. ESTIMATED COSTS (\$000 OR EQUIVALENT \$) - For one year extension

A. FUNDING SOURCE	FIRST FY 1979			LIFE OF PROJECT		
	B. FX	C. L/C	D. TOTAL	E. FX	F. L/C	G. TOTAL
AID APPROPRIATED TOTAL	210	-	210	210	-	210
(GRANT)	210	-	210	210	-	210
(LOAN)						
OTHER						
U.S.						
HQST COUNTRY						
OTHER DONOR(S)						
TOTALS	210	-	210	210	-	210

11. PROPOSED BUDGET APPROPRIATED FUNDS (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH CODE		E. Thru 9/30/78		H. 1st FY79		K. 2nd FY80	
		C. GRANT	D. LOAN	F. GRANT	G. LOAN	I. GRANT	J. LOAN	L. GRANT	M. LOAN
1. FF	1991	010	-	3,635	-	210	-	0	-
2.									
3.									
4.									
TOTALS				3,635	-	210	-	0	-

A. APPROPRIATION	N. 3rd FY81		O. 4th FY82		LIFE OF PROJECT		12. IN-DEPTH EVALUATION SCHEDULE
	D. GRANT	P. LOAN	R. GRANT	S. LOAN	T. GRANT	U. LOAN	
(1)	0	-	0	-	3,845	-	NA  MM YY
(2)							
(3)							
(4)							
TOTALS	0	-	0	-	3,845	-	

13. DATA CHANGE INDICATOR. WERE CHANGES MADE IN THE PID FACESHEET DATA BLOCKS 12, 13, 14, OR 15 OR IN PPP FACESHEET DATA, BLOCK 12? IF YES, ATTACH CHANGED PID FACESHEET.

1 = NO  
 2 = YES

14. ORIGINATING OFFICE CLEARANCE

SIGNATURE  
 Dean F. Peterson

TITLE  
 Director, Office of Agriculture DSB

DATE SIGNED

15. DATE DOCUMENT RECEIVED IN AID/W OR FOR AID/W DOCUMENTS. DATE OF DISTRIBUTION

**PROJECT PAPER.**

**931-0832 Fertilizer - Technical Assistance  
Tennessee Valley Authority  
RSSA TVA 01-74**

**July 10, 1979.**

## PROJECT PAPER

A. Summary

TVA has requested \$210,000 for 34.5 worker months of assistance to AID. An identical amount was received for fiscal year 1979. Assistance will include 16.0 worker months of services to USAID/Washington and USAID missions, 11.5 worker months for representing AID at international conferences and meetings (including preparation for such meetings), 6.0 worker months for technical assistance to AID, and 1.0 worker month for assistance and liaison to other agencies on behalf of AID.

The service category mainly requires TVA to provide information so that AID can establish new or modify its existing fertilizer policies relative to fertilizer use in developing countries. TVA staff also is available to review project proposals and ongoing fertilizer projects and to provide other services that may be required. In the representation category, there are a number of international fertilizer conferences, such as those organized by FAO and UNIDO, that require carefully planned input. TVA prepares this input, in consultation with AID/Washington and other agencies as needed, and then represents AID at such meetings. In the technical assistance category, TVA staff is prepared to respond promptly to urgent, impromptu, or highly technical requests for fertilizer information from AID/Washington and AID missions. This is possible because of TVA's data bank of information about the world fertilizer industry and the very large number of personal contacts between TVA staff and fertilizer experts in the United States and throughout the world. The final category of assistance and liaison to other agencies on behalf of AID includes agencies such as USICA, USDA, and the World Bank.

B. Background

TVA has provided technical fertilizer assistance to AID continuously since 1968. The service is worldwide in that it is available to bureaus and to USAID missions. Services may be provided in situ or they may be delivered. During the earlier years, TVA staff performed many of the functions now performed by the International Fertilizer Development Center. In fact, the IFDC was spawned by TVA's National Fertilizer Development Center; IFDC still calls upon NFDC for technical expertise. In more recent years, TVA has back-stopped AID in the areas of fertilizer policy formulation, representation at international meetings, technical assistance where it is not feasible for IFDC to be involved in U.S. policy, and liaison with other agencies.

TVA is able to provide these services because it has a professional staff of 310 people involved in fertilizer production, marketing, and use. As the Nation's premier fertilizer research and development organization, TVA's NFDC has a keen awareness of national and international fertilizer developments. Also, TVA is a regional resource development agency. Thus, its staff is cognizant of the need for integrated development programs such as are fostered by AID.

C. Work Plan

1. Activities

a. Service to AID

TVA's NFDC will continue to provide many services to AID. It is difficult to foretell the specific nature or even the type of service that will be provided. Based on past experience, we can expect that both bureaus and AID missions will request TVA to review two to four fertilizer projects at some stage of their development or conduct. Such review could involve an individual, a partial team, or a full team; could be requested with only two or three days' notice; and could involve out-of-country travel.

Another service includes the preparation of briefing materials and information needed for the development of program policy. The time allocated to prepare these materials depends upon the advance notice provided by AID and the importance that AID attaches to any particular request. In most cases, TVA will make a substantial contribution of its own resources because of its innate interest in the same topic or project. In this connection, TVA tries to anticipate some of the needs or requests from AID. It therefore maintains a list of "projects" that would provide detailed information to AID bureaus and missions, and that also would provide useful information to TVA. Staff are assigned to these activities at the discretion of the AID project monitor in cooperation with TVA management and depending upon the availability of staff. Activities on the list for fiscal year 1980 include the following:

- (1) Transfer of fertilizer product and process technology from NFDC to developing countries.
- (2) Fertilizer as a catalyst in small farmer development programs--the TVA experience.
- (3) Directory of agronomic, marketing, and economic research projects with fertilizers in the United States.

- (4) Fertilizer packaging and handling in the United States.
- (5) International shortcourse in agricultural resource development.
- (6) Trends and analysis of U.S. foreign trade in fertilizers.
- (7) Abstract of TVA fertilizer patents.
- (8) International policy implications of the fertilizer raw materials situation in the United States.

b. Representation at International Conferences and Meetings

The agency relies upon TVA staff to attend various international conferences and meetings as AID's representative. Regardless of whether the meeting is ad hoc or conducted on some regular basis, representation provides feedback to AID and frequently provides input. Conferences and meetings wherein TVA normally has represented DS/AGR/TSWM are:

- (1) FAO Commission on Fertilizers
- (2) FAO/FLAC Annual Meeting
- (3) UNIDO/FAO/World Bank Working Party on Fertilizers
- (4) UNIDO Consultation on Fertilizers
- (5) Fertilizer Association of India Annual International Seminar
- (6) Interagency Fertilizer Task Force
- (7) Other meetings that develop on an ad hoc basis and/or are approved by AID on an individual basis

c. Technical Assistance

As was the case with services to AID, it is difficult to describe in advance the technical assistance that TVA will provide to AID. Most agency requests for assistance are impromptu, urgent, and highly technical. NFDC staff ordinarily responds promptly to such requests because of its already broad expertise in fertilizers and because it anticipates certain requests. NFDC's constant surveillance of world developments that impinge upon fertilizer production, marketing, and use provides the means for anticipating AID requests for technical assistance. A small core staff can be identified that most likely will be involved in providing technical assistance. However, TVA ordinarily

refers requests to the most appropriate individuals regardless of whether or not they are listed among the core staff. Most of these scientists will have had international experience and all will have had considerable exposure to international problems.

d. Liaison with and Assistance to Other Agencies

Many other Federal and international agencies are involved in some aspect of fertilizer production, marketing, or use. It is to AID's advantage to know what these agencies are doing and to keep them informed of its own activities and views. Frequently, this is best done through the auspices of TVA. Some of the agencies with whom TVA has maintained contact and provided assistance to, either directly or indirectly on behalf of AID, are:

- (1) U.S. International Communication Agency
- (2) U.S. Department of Agriculture
- (3) U.S. Department of Commerce
- (4) U.S. Department of the Treasury
- (5) U.S. Department of the Interior
- (6) U.S. Department of State
- (7) Office of International Cooperation and Development
- (8) Bureau of the Mines
- (9) International Atomic Energy Agency
- (10) The World Bank
- (11) World Food Council
- (12) Consultative Group on Food Production and Investment

2. Implementation Schedule

The four activities listed above are continuous. They have no precise starting or stopping dates other than the beginning and ending of a fiscal year. The only activity that can be partially scheduled is that of representation at international meetings (table 1).

D. Budget

1. Budget Document

The budget for fiscal year 1980 is shown in table 2. Expenses are estimated to total \$210,000. This is unchanged from the

Table 1

Schedule for Representation at International Meetings

Meeting	1979			1980									Location	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept		
Fertilizer Association of India Annual International Seminar			X											New Delhi, India
IC/FIAC Annual Meeting						X								Rome, Italy
ICD Consultation on Fertilizers								X						Location not determined
ICD/FAO/World Bank Working Party								X						Location not determined
IC Commission on Fertilizers												X		Location not determined
Interagency Fertilizer Task Force														Washington, D.C.

Table 2  
Proposed Budget, Fiscal Year 1980

<u>Description</u>	<u>Amount</u>
Personnel compensation	\$ 86,291 <sup>a</sup>
Benefits (24.63%)	21,253
Leave accrual (16.5%)	14,238
Travel and transportation	20,000 <sup>b</sup>
Rent, communications, utilities	1,000
Printing and reproduction	12,000 <sup>c</sup>
Supplies and materials	775
Overhead (35%)	54,445
Total	\$210,002

a. see table 4 for details.

b. Includes travel to Washington, D.C., for consultation with AID and other agencies, trips for TVA staff to represent AID at domestic and international meetings, and travel and per diem to conduct supportive projects.

c. Includes cost of computer printouts of world fertilizer capacity and summary data, preparation and reproduction of speeches and technical papers, publication of technical reports, and rent on Xerox and magnetic card typewriter.

1979 budget. The 1980 budget provides for 34.5 worker months of work, compared to the 35.0 worker months provided in 1979. Increased costs for salaries, supplies, and services were estimated at 5 percent for fiscal year 1980 over fiscal year 1979. In order to provide approximately the same quantity of services to AID in 1980 as in 1979, some shifts were made within the core staff. One or two of the most senior core staff were replaced by younger staff and time allocations to higher ranking staff were reduced in favor of more time from the younger staff members.

## 2. Activity Budget

The budget is reassigned on the basis of activities as shown in table 3. For comparison, the budget breakdowns for the four preceding fiscal years also are shown in this table. It should be pointed out that the budget is not an inflexible document. If we receive more requests for technical assistance and fewer requests for special services than were estimated for the budget, the budget is revised accordingly. The same would apply to representation at meetings and liaison. We have maintained the services activity at a high level, although past experience shows this to be the most variable item insofar as costs are concerned. In order to even out these variations, we have developed a list of projects or subactivities that can be enacted as the need, time, or funds permit. These activities, as described above, are designed to anticipate AID needs as much as possible and to assemble detailed information for such needs.

## 3. Staffing

A core staff of 18 professionals, plus secretarial assistance, has been named to provide technical assistance and services to AID (table 4). Included in this core group are chemists, chemical engineers, agricultural economists, and agronomists. As has already been mentioned, requests for assistance and services are referred to the most appropriate individual(s) regardless of whether this person is listed among the core staff.

## E. Initial Environmental Examination

The activities of this project fall into the area described in Environmental procedure regulations, paragraph 216.2 (c) "Analyses, Studies, Academic or Investigative Research--Workshops and Meetings." These classes of activities will not normally require the filing of an Environmental Impact Statement or the preparation of an Environmental Assessment. This project will involve advice to AID, technical representation, and studies without even field experimentation. Under these guidelines this activity clearly qualifies for a negative determination at the time when a threshold decision is determined.

Table 3

Activity Budget

<u>Activity</u>	<u>Fiscal Year</u>				
	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>
<b>Service to AID</b>					
Worker months	14.0	15.0	15.0	16.0	16.0
Estimated cost	\$ 60,200	\$ 78,758	\$ 86,370	\$ 96,000	\$ 97,391
<b>Representation at conferences</b>					
Worker months	9.5	11.0	11.0	12.0	11.5
Estimated cost	\$ 39,125	\$ 57,756	\$ 63,331	\$ 72,000	\$ 70,000
<b>Technical assistance</b>					
Worker months	6.0	6.0	6.0	6.0	6.0
Estimated cost	\$ 25,925	\$ 31,503	\$ 34,541	\$ 36,000	\$ 36,522
<b>Liaison and assistance to other agencies</b>					
Worker months	2.0	1.0	1.0	1.0	1.0
Estimated cost	\$ 8,150	\$ 5,251	\$ 5,758	\$ 6,000	\$ 6,087
<b>Total</b>					
Worker months	31.5	33.0	33.0	35.0	34.5
Estimated cost	\$133,400	\$173,268	\$190,000	\$210,000	\$210,000

Table 4

## Core Staff for Fiscal Year 1980

<u>Name</u>	<u>TVA Grade</u>	<u>Base Salary</u>	<u>Worker Months</u>	<u>Salary</u>	<u>Benefits</u>	<u>Total</u>
B. Kresge, Administrator	M6-3	\$37,000	4	\$12,333	\$ 5,073	\$ 17,406
A. Russel, Agriculturist	M6-3	37,000	6	18,500	7,609	26,109
D. Young, Chemical Engineer	M6-4	38,000	4	12,667	5,210	17,877
I. Kidd, Clerk-Stenographer	SB4-8	15,850	4	5,283	2,173	7,456
S. Emmons, Clerk-Stenographer	SB3-1	10,725	4	3,575	1,470	5,045
P. Harrison, Chemical Engineer	M5-5	35,950	1	2,996	1,232	4,228
J. Mackey, Chemical Engineer	SD2-6	20,850	1	1,738	715	2,453
W. Aldridge, Technical Reports Writer	SD3-7	26,750	1	2,229	917	3,146
T. Shields, Assistant Director	M8-1	44,000	1	3,667	1,508	5,175
A. Harre, Agricultural Economist	M6-3	37,000	1	3,083	1,268	4,351
A. Handley, Budget Offr/Fert. Distr. Anal.	SA1-8	17,750	1	1,479	608	2,087
D. Bridges, Fert. Distr. Analyst	SD3-4	24,100	1	2,008	826	2,834
C. Woodworth, Agricultural Economist	M6-4	38,000	1	3,167	1,302	4,469
J. Myers, Agriculturist	SD4-8	32,025	1	2,669	1,098	3,767
M. Ransom, Agricultural Economist	M5-5	35,950	1	2,996	1,232	4,228
R. Lehr, Senior Scientist	M7-3	40,000	0.5	1,667	686	2,353
Hoffmeister, Jr., Section Supervisor	M6-4	38,000	0.5	1,597	657	2,254
J. Johnson, Analytical Chemist	M6-4	38,000	0.5	1,597	657	2,254
M. Giordano, Soil Scientist	M5-5	35,950	0.5	1,498	616	2,114
J. Mortvedt, Soil Scientist	M6-3	37,000	0.5	1,542	634	2,176
<b>Total</b>			<b>34.5</b>	<b>\$86,291</b>	<b>\$35,491</b>	<b>\$121,782</b>

F. Impact on Women

For the first time in our work with AID, we have been able to include two women among our professional core group. Beyond this, we believe that the transfer of fertilizer technology from the National Fertilizer Development Center to the developing countries via AID and other international agencies will result in increased food production. The increase can take many forms: increase per unit of human labor, increase per farm family, or increase in per capita consumption. Regardless of the form of increase, women will be affected favorably. They provide much of the labor in the production of food and relief from human drudgery is a major social goal. Increased production per unit of human labor would rid women of some of life's drudgery. Increased consumption, especially if that increase includes more nutritious foods, is a positive step toward improved health. Women certainly are included in this beneficial effect.

G. Reports

TVA customarily provides reports to AID as a part of this RSSA. Reports are provided in four general categories:

1. Progress reports are submitted quarterly and semiannually. They detail the activities, technical assistance, and services of TVA staff in support of AID and other agencies.
2. Technical reports are prepared at the request of AID or in anticipation of an AID request. They are detailed collections of information needed by AID/Washington or useful to AID missions.
3. Trip reports are written at the conclusion of every trip performed at AID's request or with AID approval. These describe the purpose of the trip, the people involved, and the significance of the information collected.
4. Special reports are prepared at the specific request of AID. These may be fertilizer situation assessments, project reviews, background material for policy development, general briefing reports, or similar-type information.

JUL 19 1979

ACTION MEMORANDUM FOR THE DEPUTY ASSISTANCE ADMINISTRATOR  
FOR FOOD AND NUTRITION, BUREAU FOR DEVELOPMENT SUPPORT

FROM: DS/AGR, <sup>for</sup> Dean F. Peterson *J. Wilson*

Problem: Approval is required for a one year extension (from October 1, 1979 to September 30, 1980) of the Program Development and Support RSSA on "Fertilizer Technical Assistance" with Tennessee Valley Authority which will require funds totaling \$210,000.

Discussion: A.I.D. and the Department of State require information, technical expertise and representation/participation at international meetings dealing with the gamut of activities surrounding fertilizer production, distribution and use. These needs far exceed the manpower and range of specialization available within A.I.D. The Tennessee Valley Authority is continuing to provide these program development and support services to A.I.D. under RSSA (TVA 01-74). The services for FY80 will include 35 worker months of combined professional services of economists, engineers, agronomists and secretarial support for an estimated cost \$210,000.

Recommendation: That you sign the attached PAF which authorizes a one year extension of the subject RSSA at a cost of \$210,000.

Attachments: a/s

Clearance:

DS/AGR/TSWM:JMalcolm	<i>JM</i>	Date 7/13/79
DS/AGR/TSWM:GCorey	<i>GC</i>	Date 7/13/79
DS/AGR:Mozynski	<i>mm</i>	Date 7/17/79
DS/PO:RSimpson	<i>RS</i>	Date 7/17/79
DS/MGT:MThome		Date

DS/AGR/TSWM:JMalcolm:am;7/12/79:X58877



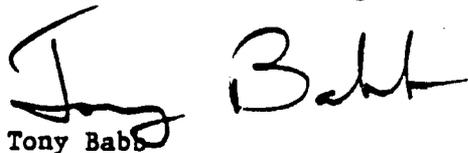
PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS

PART II

ENTITY: Bureau for Development Support  
PROJECT: Fertilizer Technical Assistance - TVA  
PROJECT NUMBER: 931-0832.11

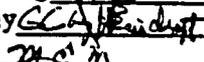
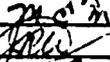
I hereby authorize FY 1979 grant funds totaling \$210,000 for a one year extension (from September 30, 1979 through September 30, 1980) of the RSSA-TVA 01-74 with the Tennessee Valley Authority for program development and support services under the project "Fertilizer Technical Assistance". Continuation of this RSSA with TVA will provide A.I.D. and the Department of State with: (1) technical advice and information on all aspects of fertilizer production, trade and use; (2) representation at international fertilizer conferences, meetings, working groups etc.; (3) constant surveillance and analysis of fertilizer data and issues for appropriate inputs to fertilizer policy of the U.S. Government; and (4) selected studies of fertilizer situations of particular interest to A.I.D.

Since this is a RSSA for Program Development and Support Services with TVA, the project has not been submitted to DSB/Regional Bureaus Review Committee for endorsement which is in accordance with the TAB Program Guidance 77-4 dated November 16, 1976.



Tony Babb  
Deputy Assistant Administrator  
for Food and Nutrition  
Bureau for Development Support  
Date: 7.30.79

Clearances:

DS/AGR/TSWm: JMalcolm  Date 7/16/79  
DS/AGR/TSWm: SEngberg  Date 7/12/79  
DS/AGR/TSWm: GCorey  Date 7/13/79  
DS/AGR: MMozyński  Date 7/17/79  
DS/AGR: JRWilson  Date 7/17/79  
DS/PO: RSimpson  Date 7/17/79

Reference:

- (1) Project Paper (Short form)-Fertilizer Technical Assistance-TVA (attached)
- (2) Action Memo: D.Peterson, DS/AGR to DAA/FN/DSB (attached)