

9310832-5  
 PD-ADD-923-61

AGENCY FOR INTERNATIONAL DEVELOPMENT  <b>PROJECT PAPER FACESHEET</b>	1. TRANSACTION CODE <div style="border: 1px solid black; display: inline-block; padding: 2px;">A</div> A - ADD C - CHANGE D - DELETE	104 PP
		2. DOCUMENT CODE <div style="border: 1px solid black; display: inline-block; padding: 2px;">3</div>

3. COUNTRY/ENTITY DS/AGR/TSWM Type e. Program Development & Support	4. DOCUMENT REVISION NUMBER <div style="border: 1px solid black; display: inline-block; padding: 2px;">6</div> Extensior
5. PROJECT NUMBER (7 digits) <div style="border: 1px solid black; display: inline-block; padding: 2px;">931-0832.11</div>	6. BUREAU/OFFICE A. SYMBOL: DSB      B. CODE: <div style="border: 1px solid black; display: inline-block; padding: 2px;">10</div>
7. PROJECT TITLE (Maximum 40 characters) Fertilizer Technical Assistance-TVA	

8. ESTIMATED FY OF PROJECT COMPLETION FY <div style="border: 1px solid black; display: inline-block; padding: 2px;">81</div>	9. ESTIMATED DATE OF OBLIGATION A. INITIAL FY: <div style="border: 1px solid black; display: inline-block; padding: 2px;">68</div> B. QUARTER: <div style="border: 1px solid black; display: inline-block; padding: 2px;">2</div> C. FINAL FY: <div style="border: 1px solid black; display: inline-block; padding: 2px;">80</div> (Enter 1, 2, 3, or 4)
---------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

10. ESTIMATED COSTS (\$000 OR EQUIVALENT \$) - (for one year extension)						
A. FUNDING SOURCE	FIRST FY			LIFE OF PROJECT		
	B. FX	C. L/C	D. TOTAL	E. FX	F. L/C	G. TOTAL
AID APPROPRIATED TOTAL	230	-	230	230	-	230
(GRANT)	( 230 )	( - )	( 230 )	( 230 )	( - )	( 230 )
(LOAN)	( )	( )	( )	( )	( )	( )
OTHER U.S.	1.			2.		
HOST COUNTRY						
OTHER DONOR(S)						
TOTALS	230	-	230	230	-	230

11. PROPOSED BUDGET APPROPRIATED FUNDS (\$000)									
A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE		E. Thru 9/30/79		H. 1st FY 80		K. 2nd FY 81	
		C. GRANT	D. LOAN	F. GRANT	G. LOAN	I. GRANT	J. LOAN	L. GRANT	M. LOAN
(1) FN	199I	010	-	3,845	-	230	-	0	-
(2)									
(3)									
(4)			-	3,845	-	230	-	0	-
TOTALS									

A. APPROPRIATION	N. 3rd FY 82		O. 4th FY 83		LIFE OF PROJECT		12. IN-DEPTH EVALUATION SCHEDULE
	Q. GRANT	P. LOAN	R. GRANT	S. LOAN	T. GRANT	U. LOAN	
(1) FN	0	-	0	-	4,075	-	N A  <div style="border: 1px solid black; display: inline-block; padding: 2px;">MM YY</div>
(2)							
(3)							
(4)							
TOTALS		0	-	0	-	4,075	-

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

1

 1 = NO  
 2 = YES

14. ORIGINATING OFFICE CLEARANCE		15. DATE DOCUMENT RECEIVED IN AID/W. OR FOR AID/W. DOCUMENTS. DATE OF DISTRIBUTION:	
SIGNATURE			
TITLE	DATE SIGNED	MM	DD
Ray Solem Acting Director Office of Agriculture - DSB/AGR	<div style="border: 1px solid black; display: inline-block; padding: 2px;">03 05 80</div>		

**WORK PLAN**

**A. Scope of Work**

During the period October 1, 1980, through September 30, 1981, TVA shall provide 31.5 person-months of assistance at the specific request of AID.

There are four general categories of assistance:

1. In the direct services area, TVA shall provide information and briefing materials for AID's use in conducting or changing its policies regarding fertilizers in developing countries. TVA staff shall be available to review proposed and ongoing fertilizer projects. TVA shall anticipate some of the needs of AID bureaus and missions; therefore, TVA shall maintain specific activities to provide detailed information to AID with staff being assigned to these activities as time, availability, and funds permit. These activities are as follows:
  - a. Prepare technical materials that will assist in the transfer of technology from TVA's National Fertilizer Development Center (NFDC) to developing countries.
  - b. Plan and implement a system by which transfer of technology materials reach the hands of those who need them.
  - c. Conduct a workshop on agricultural resource development to critique the first offering of the international shortcourse on that subject and to refine it for offerings during fiscal year 1981 and thereafter.
  - d. Develop a series of audiovisual presentations on agricultural resource development in the Tennessee Valley and fertilizer technology development for use with short-term foreign visitors.
  - e. Prepare comprehensive abstracts of all TVA fertilizer patents and publish these for distribution by AID and TVA.
  - f. Document specific cases of the TVA/AID experience in attempting to transfer technology to developing countries.
  - g. Develop a policy paper on whether AID should continue to finance fertilizer exports from the United States.
  - h. Prepare a paper describing TVA's experience in using fertilizer as a catalyst in small farmer development programs.

## For Fiscal 1981 RSSA TVA 1-74

1. Prepare a publication on one of the following topics: "Marketing Research with Fertilizers: Principles and Practices," "Fertilizer Transportation in the United States," or "The Economics of Fertilizer Use."
2. TVA specialists shall represent AID at various ad hoc and regularly scheduled international conferences and meetings. Representation shall include feedback to AID as well as provide input to the meetings and to the sponsoring organizations.
3. In the technical assistance category, TVA staff shall respond promptly to urgent requests, often highly technical in nature, for fertilizer information. Since it will not be possible to determine in advance the specific requests to be made by AID, the following ready resources will be drawn upon: TVA's computerized world fertilizer industry data bank, the broad scope of work at the NFDC and the expertise therein, and the extensive reserve of information derived through personal contacts between TVA staff and fertilizer experts throughout the world.
4. Liaison by TVA on an interagency basis and with international organizations shall be conducted. This will assist AID in the coordination of its views and policies with those of other Federal agencies and international organizations involved in some aspect of fertilizer production, marketing, and use.

**B. Reports**

The following reports shall be submitted to AID/DS/AGR/TSWM:

1. Periodic reports (ten copies) shall be submitted no less than every quarter on all ongoing activities.
2. Trip reports (one copy) shall be submitted after completion of each TDY undertaken in support of this RSSA. These reports should include itinerary, people contacted, discussions, accomplishments, and suggestions resulting therefrom.
3. A semiannual report (two copies) covering services performed under the RSSA shall be submitted by April 30 and October 31 covering the two 6-month periods ending March 31 and September 30.
4. Additional reports, as requested, covering specific activities. The number of copies will be specified by AID when the request is made.

For Fiscal 1981 RSSA TVA 1-74

TVA shall submit three copies of all the above reports as a product of this RSSA (administrative and technical reports) to the Documentation Coordinator, DS/DIU, Agency for International Development, Washington, DC 20523, or this coordinator's designee. Such reports shall include a title page showing the title of the report, project title as set forth in this RSSA, and the RSSA number. One copy of each report shall be clearly typed or printed on white paper so that it may be photocopied to produce a microfilm master. Technical reports shall be accompanied by an author-prepared abstract not exceeding 250 words.

C. TVA Liaison Officials to be Involved

Dr. Conrad B. Kresge, Administrator, International Fertilizer Section  
Dr. Darrell A. Russel, Agriculturist, International Fertilizer Section

**BUDGET**

**A. Budget by Object Class**

<u>Description</u>	<u>Amount</u>
Personal compensation	\$ 88,886
Benefits @ 26.7%	23,730
Travel and transportation	25,000 <sup>a</sup>
Rent, communications, and utilities	1,500
Printing and reproduction	15,600 <sup>b</sup>
Leave accrual @ 16.5%	14,664
Supplies and materials	1,000
Overhead @ 35%	<u>59,633</u>
Total	\$230,013

- 
- a. Includes travel to Washington, DC, 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.
- b. Includes cost of computer printouts of world fertilizer capacity and summary data, preparation and reproduction of speeches, audio-visual presentations, and technical papers; publication of technical reports; and rent on Xerox copier and magnetic card typewriters.

APPENDIX A  
BUDGET AGREEMENT

RESOURCES SUPPORT SERVICES AGREEMENT BETWEEN  
THE AGENCY FOR INTERNATIONAL DEVELOPMENT AND

ORIGINAL  AMEND  
NO. \_\_\_\_\_

RSSA NO.  
1-74

FISCAL YEAR  
1981

Tennessee Valley Authority

1. BUDGET BY OBJECT CLASS. THE AMOUNT BUDGETED FOR ANY OBJECT CLASS SHALL NOT BE EXCEEDED BY MORE THAN 15 PERCENT UNLESS THERE HAS BEEN PRIOR APPROVAL BY A.I.D.			2. STAFFING (OBJECT CLASSES 11 AND 12) - DETAILS					
OBJ. CLASS	DESCRIPTION	AMOUNT	TITLE/NAME	GRADE (GS)	MAN-MONTHS	SALARY	BENEFITS	TOTAL
11	PERSONAL COMPENSATION	\$ 88,886	C. B. Kresge, Administrator	M7-1	4	\$14,062	\$ 6,074	\$ 20,136
			D. A. Russel, Agriculturist	M6-4	6	20,877	9,019	29,896
			R. D. Young, Chemical Engineer	M6-4	4	13,918	6,012	19,930
12	BENEFITS (AT <u>26.7</u> PERCENT)	23,730	R. L. Kidd, Administrative Officer	SA1-6	4	6,293	2,718	9,011
			D. S. Emmons, Clerk-Stenographer	SB3-3	4	4,306	1,860	6,166
			....., Section Economist	M5-3	2	6,270	2,708	8,978
21	TRAVEL AND TRANSPORTATION OF PERSONS (EXPLAIN BELOW)	25,000 <sup>a</sup>	F. J. Myers, Agriculturist	SD4-8	1	2,999	1,296	4,295
			J. W. Aldridge, Editor, Fert. Abstracts	M4-1	1	2,606	1,125	3,731
23	RENT, COMMUNICATIONS, AND UTILITIES	1,500.	J. J. Mackey, Technical Editor	SD3-4	1	2,235	965	3,200
			E. A. Harre, Agricultural Economist	M6-4	1	3,479	1,503	4,982
24	PRINTING AND REPRODUCTION (EXPLAIN BELOW)	15,600 <sup>b</sup>	J. D. Bridges, Fert. Distr. Analyst	SD3-6	0.5	1,205	521	1,726
			George Hoffmeister, Section Supervisor	M6-4	0.5	1,739	751	2,490
25	<del>XXXXXXXXXX</del> Leave accrual <del>XXXXXXXXXX</del> @ 16.5% <del>XXXXXXXXXX</del>	14,664	F. J. Johnson, Analytical Chemist	M6-4	0.5	1,739	751	2,490
			J. J. Mortvedt, Soil Scientist	M6-4	0.5	1,739	751	2,490
26	SUPPLIES AND MATERIALS	1,000	J. T. Shields, Assistant Dir. of AGR DV	M8	0.25	1,015	438	1,453
			J. R. Lehr, Senior Scientist	M7-4	0.25	943	407	1,350
31	<del>XXXXXXXXXX</del> Overhead @ 35% <del>XXXXXXXXXX</del>	59,633	F. P. Achorn, Senior Scientist	M7-4	0.25	943	407	1,350
			E. D. Myers, Chemical Engineer	M5-4	0.25	828	358	1,186
			A. R. Shirley, Chemical Engineer	M5-4	0.25	820	354	1,174
			F. E. Khasawneh, Research Chemist	M6-4	0.25	870	376	1,246
	TOTAL	\$230,013						

3. EXPLANATION OF OBJECT CLASSES AND SPECIAL PROVISIONS

- a. Includes travel to Washington, DC, 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.
- b. Includes cost of computer printouts of world fertilizer capacity and summary data, preparation and reproduction of speeches, audiovisual presentations, and technical papers; publication of technical reports; and rent on Xerox copier and magnetic card typewriters.

<b>AGENCY FOR INTERNATIONAL DEVELOPMENT PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS PART I</b>		1. TRANSACTION CODE <b>A</b> A - ADD C - CHANGE D - DELETE	<b>PAF</b>
3. COUNTRY/ENTITY <b>DS/AGR/TSWM</b>		2. DOCUMENT CODE <b>5</b>	
Type e. Program Development & Support		4. DOCUMENT REVISION NUMBER <b>6</b> Extension	
5. PROJECT NUMBER (7 digits) <b>931-0832.11</b>	6. BUREAU/OFFICE A. SYMBOL <b>DSB</b> B. CODE <b>10</b>	7. PROJECT TITLE (Maximum 40 characters) <b>Fertilizer Technical Assistance T/A</b>	
8. PROJECT APPROVAL DECISION <b>A</b> A - APPROVED D - DISAPPROVED OK - DEAUTHORIZED		9. EST. PERIOD OF IMPLEMENTATION (for 1 year extension) YRS. <b>01</b> QTRS <b>0</b>	

10. APPROVED BUDGET AID APPROPRIATED FUNDS (\$000) (for one year extension)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE		e. Thru 9/30/79			H. 1st FY 80		K. 2nd FY 81	
		C. GRANT	D. LOAN	F. GRANT	G. LOAN	I. GRANT	J. LOAN	L. GRANT	M. LOAN	
(1) FN	199I	010	-	3,845	-	230	-	0	-	
(2)										
(3)										
(4)										
TOTALS				3,845	-	230	-	0	-	

A. APPROPRIATION	n. 3rd FY 82		o. 4th FY 83		LIFE OF PROJECT		11. PROJECT FUNDING AUTHORIZED (ENTER APPROPRIATE CODE(S)) 1 - LIFE OF PROJECT 2 - INCREMENTAL LIFE OF PROJECT	A. GRANT	B. LOAN
	C. GRANT	P. LOAN	R. GRANT	S. LOAN	T. GRANT	U. LOAN			
(1) FN	0	-	0	-	4,075	-		2	-
(2)									
(3)									
(4)									
TOTALS		0	-	0	-	4,075	-		

c. PROJECT FUNDING AUTHORIZED THRU **80** FY

12. INITIAL PROJECT FUNDING ALLOTMENT REQUESTED (\$000)				13. FUNDS RESERVED FOR ALLOTMENT			
A. APPROPRIATION <b>NA</b>	B. ALLOTMENT REQUEST NO. _____			<b>NA</b>			
	C. GRANT	D. LOAN					
(1)				TYPED NAME (Chief, SER: FM/FSD)			
(2)				SIGNATURE			
(3)				DATE			
(4)							
TOTALS							

14. SOURCE/ORIGIN OF GOODS AND SERVICES

000   
 941   
 LOCAL   
 OTHER \_\_\_\_\_

15. FOR AMENDMENTS, NATURE OF CHANGE PROPOSED

This amendment extends this project by one year (through Septmeber 30, 1981) with additional funds totaling \$230,000.

FOR PPC/PIAS USE ONLY	16. AUTHORIZING OFFICE SYMBOL	17. ACTION DATE	18. ACTION REFERENCE (Optional)	ACTION REFERENCE DATE
		MM DD YY		MM DD YY

PROJECT AUTHORIZATION AND REQUEST  
FOR ALLOTMENT OF FUNDS

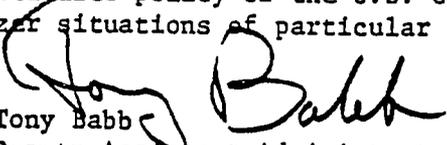
PART II

ENTITY: Bureau for Development Support

PROJECT: Fertilizer Technical Assistance - TVA

PROJECT NUMBER: 913-0832.11

I hereby authorize FY80 grant funds totaling \$230,000 for a one year extension (from October 1, 1980 to September 30, 1981) of the program development and support service project on "Fertilizer Technical Assistance" which is implemented under RSSA-TVA-01-74 with the Tennessee Valley Authority (TVA). Under this extension TVA will continue to provide A.I.D., I.D.C.A. 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 and working groups; (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.

  
Tony Babb  
Deputy Assistant Administrator  
for Food and Nutrition  
Bureau for Development Support  
Date 3.18.80

Clearances:

DS/AGR/TSWM: JMalcolm JM Date 3/12/80  
DS/AGR. TSWM: SEngberg SE Date 3/17/80  
DS/AGR: MMozyński MM Date 3/4/80  
DS/AGR: RSolem RS Date 3/12/80  
DS/PO: ASilver AS Date 3/12/80  
DS/PO: BChapnick BC Date 3/11/80  
DS/MGT: MThome MT Date 3-18-80

References:

- (1) Action Memo: R. Solem, DS/AGR to DAA/FN/DSB (attached)
- (2) Project Paper (Short Form)-Annual Work Plan for "Fertilizer Technical Assistance" (attached)

MAR 4 1980

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

**FROM:** DS/AGR, Ray/Solem

**Problem:** Your approval is required for a one year extension (from 10/1/80 to 9/30/81) of the program development and support service project for "Fertilizer Technical Assistance" which will require FY80 funds totaling \$230,000.

**Discussion:** A.I.D., I.D.C.A. 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 (TVA) is continuing to provide these program development and support services to A.I.D. under RSSA (TVA01-74). The services for FY81 will include 31.5 worker months of combined professional services of economists, engineers, agronomists and secretarial support for an estimated cost of \$230,000.

TVA has provided technical fertilizer assistance to A.I.D. 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 (IFDC). In fact, the IFDC was spawned by TVA's National Fertilizer Development Center (NFDC). IFDC still calls upon NFDC for technical expertise. In more recent years, TVA has backstopped A.I.D. 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 liason 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 A.I.D.

During the current fiscal year (FY80) TVA is providing A.I.D. with approximately 34 worker months of service which includes: (1) eleven months for representation at international conferences, meetings, such as FAO's Commission on Fertilizer; (2) sixteen worker months of direct service to A.I.D. including preparation of briefing materials for develop-

ment of program policy, review of bureau/mission fertilizer projects; (3) six worker months of highly specialized technical assistance usually requested on an impromptu and urgent basis; and (4), one worker month for liaison with other Federal and international agencies involved with different aspects of fertilizer production, marketing and use. In FY81 TVA will continue to provide roughly the same services to A.I.D. under this project extension. The scope of work and budget for these FY81 activities are included in the attached Project Paper (short form). TVA will continue to provide A.I.D. with these services from TVA's facilities at Muscle Shoals, Alabama.

Recommendation: That you approve this one year project extension by signing the attached PAF.

Attachments: a/s

Clearances:

DS/AGR/TSWM: JMalcolm AR Date 3/3/80  
DS/AGR:Mozynski M.P.M. Date 3/4/80  
DS/PO: BChapnick 11/1/80 Date 3/11/80  
DS/MGT: MThome M Date 3-14-80

DS/AGR: <sup>SE</sup>SEngberg: dsp: 2/26/80