

FD-ANN-781
ISN 1370

6210167/42

T. 1/2/81

MBUGWE DIVISION WATER SUPPLY

(621-0167)

PROJECT PAPER

July 22, 1981

July 17, 1981

ACTION MEMORANDUM FOR THE ACTING MISSION DIRECTOR, USAID/TANZANIA

FROM: Margaret Bonner, Program Officer,

SUBJECT: Project Authorization

Your approval is required to execute a grant in FY81 for a Disaster Relief and Reconstruction appropriation to Tanzania for the Mbugwe Division Water Supply.

Discussion: Portions of the Arusha Region are subject to severe drought cycles, especially prone are the semi-arid areas of the three Masai Districts. During the implementation of the Arusha Planning and Village Development Project (621-0143) in-depth village level reconnaissance surveys revealed the extent of the problem. Village level dialogue resulted in specific recommendations and requests from the villagers themselves.

Four of these small projects were submitted for review to AID/W under Dar 1405 in March 1981. Under State 115058 the acting AA/AFR authorized the further development of three of these four. A Mission Project Review for Mbugwe Division Water Supply held on July 15, 1981 recommended that the project be approved as written.

The project will extend a gravity supply system to provide water for human and livestock consumption to three villages located in Mbugwe Division of Hanang District. USAID will provide \$150,000 in foreign exchange for the purchase of pipes and fittings. The Government of Tanzania and villages will provide the local currency resources necessary to insure construction and maintenance of the proposed system. As the project is being funded under the Disaster Relief and Reconstruction Appropriation an Initial Environmental Examination (IEE) is not required and procurement from code 935 countries is authorized.

Justification to the Congress: Not necessary as per State 115058.

Recommendation: That you sign the attached Project Authorization.

PROJECT AUTHORIZATION

NAME OF COUNTRY : United Republic of Tanzania
NAME OF PROJECT : Mbugwe Division Water Supply
NUMBER OF PROJECT : 621-0167

1. Pursuant to section 491 Fof the Foreign Assistance Act of 1961, as amended, I hereby authorize the Mbugwe Division Water Supply Project for the United Republic of Tanzania, involving planned obligations of not to exceed \$150,000 (one hundred and fiftv thousand United States Dollars) in grant funds over a one year period from date of authorization, subject to the availability of funds in accordance with the A.I.D. allotment process, to help in financing foreign exchange costs of the project

2. The project consists of the provision of pipes and fittings for the extension of a gravity water supply system to three villages severely affected by drought conditions in Arusha Region.

3. The Project Agreement which may be negotiated and executed by the officer to whom such authority has been delegated in accordance with AID regulations and Delegations of Authority shall be subject to the following terms, together with such other terms and conditions as AID may deem appropriate:

a. Source and Origin of Goods and Services

Goods and services financed by AID under the Project shall have their source and origin in the Cooperating Country or in countries included in AID Geographic Code 935, except as AID may otherwise agree in writing.

b. The Cooperating Country shall covenant:

- (1) To provide local funds and local labor to properly carry out and complete the work required in the project on a timely basis.
- (2) District functional officials will be available as required to fulfill supervisory and implementation roles, required to assure the quality and timely completion of the work in the project.

Drafter: PRM:MBonner: fm: 7/20/81

Clearances: AAC: B Hill *FAA*
CONT: IPeterson (draft)
REDSO/EA: ESpriggs (none)

Signature *Barry Riley*

Barry Riley
Acting Director, USAID/Tanzania

AGENCY FOR INTERNATIONAL DEVELOPMENT PROJECT DATA SHEET				1. TRANSACTION CODE A A = Add C = Change D = Delete		Amendment Number		DOCUMENT CODE 3	
2. COUNTRY/ENTITY TANZANIA				3. PROJECT NUMBER 621-0167					
4. BUREAU/OFFICE AFRICA BUREAU 06				5. PROJECT TITLE (maximum 40 characters) Mbugwe Division Water Supply					
6. PROJECT ASSISTANCE COMPLETION DATE (PACD) MM DD YY 8 3 1 8 2				7. ESTIMATED DATE OF OBLIGATION (Under "B." below, enter 1, 2, 3, or 4) A. Initial FY 81 B. Quarter <input type="checkbox"/> C. Final FY 81					
8. COSTS (\$000 OR EQUIVALENT \$1 = 8.21)									
A. FUNDING SOURCE			FIRST FY 81			LIFE OF PROJECT			
			B. FX	C. L/C	D. Total	E. FX	F. L/C	G. Total	
AID Appropriated Total			150		150	150		150	
(Grant)			(150)	()	(150)	(150)	()	(150)	
(Loan)			()	()	()	()	()	()	
Other U.S.	1.								
	2.								
Host Country				28	28		28	28	
Other Donor(s)									
TOTALS			150	28	178	150	28	178	
9. SCHEDULE OF AID FUNDING (\$000)									
A. APPROPRIATION	B. PRIMARY PURPOSE CODE	C. PRIMARY TECH. CODE		D. OBLIGATIONS TO DATE		E. AMOUNT APPROVED THIS ACTION		F. LIFE OF PROJECT	
		1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan
(1) DR	930	940		0		150		150	
(2)									
(3)									
(4)									
TOTALS									
10. SECONDARY TECHNICAL CODES (maximum 6 codes of 3 positions each) 826								11. SECONDARY PURPOSE CODE	
12. SPECIAL CONCERNS CODES (maximum 7 codes of 4 positions each)									
A. Code		BR							
B. Amount		150							
13. PROJECT PURPOSE (maximum 480 characters) <div style="border: 1px solid black; padding: 10px; margin: 10px 0;">To provide water for human and livestock consumption to villages severely affected by drought conditions.</div>									
14. SCHEDULED EVALUATIONS						15. SOURCE/ORIGIN OF GOODS AND SERVICES			
Interim		MM	YY	MM	YY	Final	MM	YY	
							<input type="checkbox"/> 000	<input type="checkbox"/> 941	<input type="checkbox"/> Local <input checked="" type="checkbox"/> Other (Specify) 935
16. AMENDMENTS/NATURE OF CHANGE PROPOSED (This is page 1 of a _____ page PP Amendment)									
17. APPROVED BY		Signature <i>Barry Riley</i>						18. DATE DOCUMENT RECEIVED IN AID/W, OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION	
		Title Acting Director, USAID/Tanzania				Date Signed MM DD YY 7 11 77			

I. Summary

This project is designed to extend a gravity supply system to provide water for human and livestock consumption in three villages which have been severely affected by drought conditions. USAID will provide a grant of one hundred and fifty thousand dollars (\$150,000) to the Regional Development Directorate, Arusha Region, to cover the foreign exchange requirements for the procurement of necessary pipes and fittings for construction of the system. The region, in cooperation with the District and with the three villages, will provide local currency funds for the construction and maintenance of the proposed system.

II. Background

Analysis shows that Mbugwe Division is the most acutely drought prone area in Hanang District. A gravity water system is currently being constructed to bring water from a plentiful source on the Rift Valley Wall to three villages, Mwada, Kisangaji, and Vilima Vitatu which are located in Mbugwe Division in the north-eastern portion of the District. This area receives an average of only 400 mm of rainfall each year, concentrated during the period February to April. Ground water is predominantly saline and there are periods during which there is no water supply. In the dry season, considerable time must be spent collecting water (in some villages up to ten miles from scattered surface water sources which are usually saline). Livestock must be treked great distances to secure adequate water.

The combined population of the three villages is approximately 6,000; they own approximately 15,000 cattle and 12,000 sheep and goats. Existing production consists of livestock and drought resistant crops including millet and some cotton. In times of drought there is considerable disruption in production and the loss of valuable livestock resources. During periods in which surface water is available, there are serious health hazards. Although the area has marginal rainfall, there is the potential for higher productivity which would contribute to increased production and incomes to the three villages.

III. Project Description

The proposed project is critical for provision of a safe water supply to this drought prone area. There is a combined need for water for human and livestock consumption and related facilities, such as animal dips, to improve livestock production in the area.

Based on technical assessments (see below), this project is designed to extend the gravity water supply system presently being constructed to serve the Magugu area. The water supply will come from a plentiful source on the Rift Valley Wall near Darakuda and will be brought to Magugu by six inch PVC pipe. The Regional and District Maji (Water)

engineers and the APVDP water systems engineer have assessed the water quality and quantity from this source and have verified that this source and system have the capacity to branch off near Magugu to adequately serve the three villages of Mwada, Kisangaji, and Vilima Vitatu.

This project provides for the foreign exchange costs of materials for extending this system. A three inch PVC pipe line is proposed from Magugu to Mwada (six miles) followed by two inch PVC piping to Kisangaji and Vilima Vitatu, 8 miles and 4 miles respectively. The Region, through its Maji office, is committed to the funding or solicitation of labor for this project and the in-country transportation costs upon arrival of the materials. The Region and District Maji offices will train village technicians to maintain this system and provide technical assistance for maintenance as required. The three villages will contribute labor for the construction of the system as well as be responsible for the costs and supervision of its maintenance.

IV. Budget

USAID (for Foreign Exchange costs only)

Three inch PVC pipe from Magugu to Mwada 6 miles @ Shs. 21 per foot	@	82,000
Two inch PVC pipe from Mwada to Kisangaji 8 miles @ Shs. 8.2 per foot	@	46,000
Two inch PVC from Kisangaji to Vilima Vitatu 4 miles @ Shs. 8.2 per foot	@	22,000
	Total	\$ <u>150,000</u>

TanGov and Villages:(for local currency costs)

1. Transport of pipe from Dar es Salaam to Mbugwe 98,000/-	111,950
2. Labor to dig and fill for laying of pipe 128,000/-	15,610
	<u>15,610</u>
Total	\$ 27,560

V. Project Implementation

This project is a result of the planning exercise undertaken during the Arusha Planning Village Development Project. Funding for the project will be for the purchase of materials from the United States. These materials requirements will be more definitively defined by the Regional Maji Officer, reviewed and approved by the APVDP Water Systems Engineering Advisor, and procured under the existing USAID system.

The Government and villages are committed to providing all local currency resources to insure the construction and maintenance of the proposed system. Technical assessments indicate that this is the least-cost, most easily maintainable alternative for accomplishing these objectives.

The proposed implementation schedule is:

August 1981	:	Project Agreement signed between USAID and Ministry of Finance
September 1981	:	Materials order prepared and submitted to AID/W
February 1982	:	Materials received and managed by Regional Maji Office
February 1982	:	Construction of extension commences
August 1982	:	System completion

VI. Potential Benefits

This project will benefit approximately 6,000 people now living in the proposed project area by providing safe water for human and livestock consumption. The Project is consistent with government priorities of increased production and provision of safe water supplies for its rural population.