6330056 (3)

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

BOTSWANA

PROJECT

PROGRAM IMPLEMENTATION AND
GRANT TRACKING

Beef Production and Marketing

PP-AAK-418

Obligation Status

Administrative Reservation

Estimated Amount

Services to Start (Mo. Day, Yr.)
Between Feb 1, 1978 March 30, 1978

Services
October 1978

Type of Action

A.I.D. Contract

Cooperating Country Contract

Participating Agency Service Agreement

Other

Authorized Agent
AID/W

Estimated Financing $1.00=		(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
11. Maximum A.I.D. Financing	A. Dollars		23,000		23,000
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

14. Instructions to Authorized Agent

Provide the services of a consultant from the United States Department of Agriculture to perform the duties outlined in Block 19. Consultancy period is in two segments of approximately 6 weeks each commencing in Feb/March and again in July/August. Both segments to be performed by the same consultant.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate
for William Johnson, ADO

B. Funds for the services requested are available
Donald E. Hickson:CONT

C. The scope of work lies within the purview of the initiating and approved Agency Programs
Ted D. Morse, ARDO

D.
Jack E. Warner: ARD/A 12/30/77

E.

F.

16. For the Cooperating Country: The terms and conditions set forth herein are hereby agreed to

Signature of Agent (See ProAg 78-633-4)

Title

17. Participating Agency for International Development

Signature John H. Bass

Title Regional Development Officer

18. Date of Signature
Jan 4, 1978

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AID-1150-1 (5/75)	BOTSWANA	633-0036-7-80020	7 Pages
	633-0036 Crop Production and Marketing		

10. Scope of Technical Services

A. Objective (Purpose to be Achieved)

To assist the Government of Botswana in increasing both quantity and quality of planting seed.

B. Description

The consultant will be responsible for assisting in the assessment of all activities of the Seed Multiplication Unit and make recommendations for improvement and expansion of those activities where need is. Topics to be covered in the assessment including the following:

A. Quality Control

1. Maintenance of genetic purity through
   (a) Isolation
   (b) Field inspection and roguing
   (c) Harvesting

(Continued on pages 6-7)

C. Technicians

(1) (a) Number	(b) Specialized Field	(c) Grade and/or Salary	(d) Duration of Assignment (Man-Months)
1	Seed Multiplication	Approx. GS 13/14	3

(2) Duty Post and Duration of Technicians' Services

Gaborone 3 MM

(3) Language requirements

None

(4) Access to Classified Information

None

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(5) Dependents ☐ Will ☒ Will Not Be Permitted to Accompany Technician

D. Financing of Technical Services

(1) By AID: $ 23,000.00 (2) By Cooperating Country: $

(For budget see Block 19D cont.)

20. Equipment and Supplies (Related to the services described in Block 19 and to be procured outside the Cooperating Country by the supplier of those services)

A. (1) Commodity (2) Description (3) Unit Cost (4) Special Instructions

NONE

B. Financing of Equipment and Supplies
(1) By AID – $ (2) By Cooperating Country –

21. Special Provisions

☒ A. This PIO/T is subject to AID (~~contracting~~) (PASA implementation) regulations.

☒ B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services authorized under this PIO/T must be obtained from U.S. sources.

☐ C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.

☒ D. Other (specify):

The Africa Bureau, AID, strongly encourages the use in this activity of minorities and women as PASA individuals, thus, the participating Agency is expected to carry out a positive program to identify and use such persons to the fullest possible extent.

22. Reports by Contractor or Participating Agency (Attach copy, insert as many as deemed or number required, including language to be used if other than English, type of training, duration, and any special requirements.)

Prior to completion of his services the consultant should provide the GOB and USAID with 3 copies of a comprehensive report concurred in by the GOB, which gives recommendations as appropriate.

23. Background Information (Additional information useful to Authorized Agent and Prospective Contractors or Participating Agency; if necessary cross reference Block 19.C(4) above.)

Botswana Crop Production, 690-0056 PP available at AID/W.

24. Relationship of Contractor or Participating Agency to Cooperating Country and to AID:

A. Relationships and Responsibilities The consultant will perform his services for the GOB. The consultant will be responsible to both the GOB and to USAID for satisfactory performance.

B. Cooperating Country Liaison Official

Permanent Secretary for Agriculture or his designee.

C. AID Liaison Officials

The ACO Botswana assisted by the OSARAC Regional staff as appropriate.

PTO/T | Project/Activity No. and Title: 633-0056 Crop Production and Marketing

LOGISTIC SUPPORT

23. Provisions for Logistic Support A. Specific Items (Insert "X" in applicable column at right. If entry needs qualification, insert asterisk and explain below in C. "Comments")	In Kind Supplied By		From Local Currency Supplied By	
	AID	Cooperating Country	AID	Cooperating Country
(1) Office Space		X		
(2) Office Equipment		X		
(3) Housing and Utilities	X (1)			
(4) Furniture				
(5) Household Equipment (Stoves, Refrig., etc.)				
(6) Transportation in Cooperating Country	X (2)			
(7) Interpreter Services				
Other: (Specify) (8)				
(9)				
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				

B. Additional Facilities Available From Other Sources

C. Comments

(1) To be provided from Per Diem which is to be paid in accordance with U.S. Government regulations.

(2) Consultant should be authorized under the contract to rent a vehicle as necessary.

Indicate block numbers.

Use this form to complete the information required in any block of a PIO or PIO/PR form.

Block 19B (Continued)

A. Quality Control (continued)

(d) Threshing
(e) Storage
(f) Certification

2. Maintenance of germination through

(a) Harvesting
(b) Threshing
(c) Grading standards
(d) Seed treatment with a protectant
(e) Storage

3. Seed testing

(a) Sample reception and preparation
(b) Purity, germination and moisture testing
(c) Storage

B. Estimate of quantities of seed needed

(1) Foundation seed - Hectares to plant

(2) Certified Seed - Hectares to plant

C. Distribution of seed

Review of and recommendations for improvement of the seed distribution system.

D. Manpower needs and training

(1) Support personnel
(2) Technical assistant
(3) Seed Multiplication Officers
(4) Training program for staff.

CONTINUATION SHEET	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	☐ Submitted ☐ Revised	PAGE 1 OF 7 PAGES
		1. Recipient Country BOTSWANA	Ref. Table No. 633-0056-2-80010
		2. Effective Date	Amendment ☐ Original OR No.
FORM SUPERSEDES	TITLE OF FORM PIO/T	3. Project/Activity Number and Title 633-0056 Crop Production and Marketing	

Indicate block numbers.

Use this form to complete the information required in any block of a PIO or PA/PR form.

Block 19B (Continued)

E. Equipment

(1) Assessement of present equipment

(2) Equipment needed for an expanded program of seed production

F. Budgeting

An estimate of costs for an expanded program of seed multiplication.

Block 19D (Continued)

Budget

Basic Salary	$7,500.00
Travel	$5,000.00
Perdiem	$3,600.00
Car Rental	$2,000.00
PASA overhead (25%)	$4,520.00
	$22,620.00
	($23,000.00)

633-0056

DRAFT	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT PROJECT IMPLEMENTATION DIRECTIVE/TECHNICAL SERVICES	1. Recipient and Country Botswana 2. Project No. 633-0056-3-80035 4. Project Title and No. 633-0056 Botswana Crop Production	Page 1 of 8 Pages 3. ☒ Original or Amendment No.

5. Appropriation Symbol: 72-1181006

5.A. Project Number (Project Data Sheet): 936-52-633-00-69-81

6. Funds Allocated for: ☒ Mission

7. Obligation Status: ☐ Administrative Reservation ☒ Implementing Document

8. Funding Period (Mo., Day, Yr.): 4 mths from start

9.A. Services to Start (Mo., Day, Yr.): Between May 1, 1978 and June 30, 1978

9.B. Completion date of Services (Mo., Day, Yr.): 4 mths from start

10.A. Type of Action: ☒ A.I.D. Contract ☐ Cooperating Country Contract ☐ Participating Agency Service Agreement ☐ Other

10.B. Authorized Agent: AID/W

Estimated Financing $1.00=		(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
11. Maximum A.I.D. Financing	A. Dollars		20,000		20,000
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

Gaborone 0829
MOA Letter
Moruti/
Friedline
3-6-78

14. Instructions to Authorized Agent

Provide the services of a consultant to perform the duties outlined in Block 19. Consultancy period is for four months beginning May/June 1978.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate
ADO:William Johnson

B. Funds for the services requested are available
CONT:Donald Hickson

C. The scope of work lies within the purview of the initiating and approved Agency Programs
A/RDO:Ted Morse

D. JGW 4/7/78
A/APO:Jack Werner

E.

F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date: (See ProAg 78-633-4)

Title:

17. For the Agency for International Development

Signature: John H. Kean

Title: Regional Development Officer

18. Date of Signature: 4/17/78

[illegible]	[illegible] Botswana	633-0056-3-80035	Page 2 of 8 Pages
PROJECT	[illegible] 633-0056 Botswana Crop Production		

[illegible]

A. [illegible] Provide programming assistance to the GOB, Ministry of Agriculture, to enable them to analyze agriculture and livestock census data for planning purposes and other government needs.

B. Description

The consultant services of a computer programmer are required to assist the GOB Computer Bureau in developing a system that will continue to meet the data processing needs of the Ministry of Agriculture and in particular to design a program to analyze data from a 1975 agricultural survey and a 1976 census of cattle.

For the purpose of continuous plan supervision, guidance in formulation and management of policies in matters relating to extension, animal health, marketing, supply of inputs, etc. it is necessary to organize a series of analytical plan-oriented studies utilizing data of current significance to be collected through surveys on an annual basis. The data mainly relate to (a) post-harvest determi-

continued —

C. Activities

(1) No. of Persons	(2) Specialty	(3) Grade and/or Salary	(4) Duration of Assignment (Man-Months)
1	Computer science/programming	Approx GS 14/15	4 MM

(5) Duty Place and Duration of Training and Studies

Gaborone - 4 months

(6) Commodities

None

(7) Other Inputs and Services

None

D. Funding of Technical Assistance

(1) [illegible] 10,000

20. Equipment and Supplies (Listed in Commodities Eligible Table in Block 11 and to be procured outside the Cooperating Country by the supplier of services section)

A. (1) Special Allowances | (2) Estimated Cost | (3) Special Instructions

NONE

B. Financing of Equipment and Supplies
(1) By AID – $ | (2) By Cooperating Country –

21. Special Provisions

[X] A. This PIO/T is subject to AID (currently) (FAA/A Implementation) regulations.

[X] B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services rendered under this PIO/T must be obtained from U.S. sources.

[ ] C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.

[X] D. Other (specify)

The Africa Bureau, AID, strongly encourages the use in this activity of minorities and women both as contracting or sub-contracting firms and institutions and as individuals; thus, the contractor or grantee is expected to carry out a positive program to identify and use such organizations and persons to the fullest possible extent.

633-0056-3-80035

633-0056 Botswana Crop Production

Prior to completion of services, the consultant should provide the GOB and USAID with 5 copies of a comprehensive report concurred in by the GOB, which gives recommendations as appropriate.

23. Background Information (Additional information useful to Authorized Agent and Prospective Contractors or Participating Agency) if necessary cross reference Block 19(C)(1) above.)

21. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Contractor Operational Responsibility: The consultant will perform his services for the GOB; the consultant will be responsible to both the GOB and to USAID for satisfactory performance.

B. Cooperating Country Liaison Official

Permanent Secretary for Agriculture or his designee

C. AID Liaison Officials

Mr. ACO, Botswana, assisted by the OSARAC Regional staff as appropriate.

Project Title: Tobacco Crop Production

	In Kind Supplied By		From Local Currency Supplied By	
	AID	Cooperating Country	AID	Cooperating Country
(1) Office Space		X		
(2) Office Equipment		X		
(3) Maintenance/Utilities	X (1)			
(4) Furniture				
(5) Household Equipment (Stoves, Refrigerators, etc.)				
(6) Transportation in Cooperating Country	X (2)			
(7) Interpreter Services				
Other (Specify): (1)				
(2)				
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				

D. Additional Facilities Available From Other Sources

1. Comments

(1) To be provided from per diem which is to be paid in accordance with U.S. Government regulations.

(2) Consultant should be authorized under the contract to rent a vehicle for official use only.

Indicate block numbers. | Use this form to complete the information required in any block of a PID or PA/PR form.

19. 2 ...ation of harvested areas and actual production, (b) livestock herd compositions, (c) data on stock changes due to off-take, local slaughter, births, deaths, etc., (d) supply and utilization of principal domestic products, etc.

The importance of timely processing of the statistical data accruing from the rapidly growing statistical activities can hardly be overemphasized. In order to make full use of collected data it is imperative to improve the processing methods for efficiency and speed.

A long-term program for improvement of agricultural statistics, drawn in 1974, led to the conduct of a comprehensive nation-wide 1974/75 Sample Census of Agriculture. This exercise was considered useful for providing basis for implementing an integrated program of annual and current surveys of agriculture which constitute a major element in the establishment of a permanent system for agricultural statistics. The 1974/75 Sample Census was also designed as a pilot exercise to provide guidance on the technical and organizational implications of conducting nation-wide census and surveys of the magnitude envisaged in the program for the forth-coming 1980 Census of Agriculture which will also be the contribution of Botswana to the 1980 World Census of Agriculture.

In this Sample Census data were collected on several items using a stratified sample design. Area segments designated as survey blocks and demarcated on the basis of 1971 population mapping and observations were used as primary sampling units with the agricultural extension districts constituting the basic geographical strata. Some basic data on infrastructure facilities were collected at the block level while data on other items were collected using further stages of sampling with farm households, agricultural holders/holdings, lands/fields reportedly growing designated crops.

Data is available in the form of the following completed questionnaires:

I. Data on basic infrastructure factors and list of farm households;

VI. Data from individual sample farm households;

XII. Data on (i) production and sale of principal livestock and poultry products, (ii) source and quantum of farm labour;

XI A. Data on relevant background agronomic and cultural practices

XI B. Results of corresponding experiments conducted on sorghum, maize, millet and cowpea in selected areas.

[illegible]	[illegible]	[illegible] Revision	PAGE 2 OF 2 PAGES
[illegible]	[illegible]	1. Operating Country: Botswana	2. Grant No.: 633-0056-3-80035
[illegible]	[illegible]	3b. Effective Date	3a. Amendment / [illegible] Original GA No.
		4. Project/Activity No. and Title: 633-0056 Botswana Crop Production	

Indicate if a continuation. Use this form to complete the information required in any block of a PID or PA/PD form.

13. 3. One other form of work that was used as part of the program is the 1975 sample census of cattle. In that program Veterinary Districts were used as the basic area of study by using Veterinary Assistants areas of jurisdiction for the geographical strata. Cattle crushes were used as primary sampling units and were further stratified by size using the 1975 crush census total (obtained from the Animal Health Division) as size indices. Cattle owners within each crush area were the second stage sampling units, with kraals maintained by each crush area were the second stage sampling units, with kraals maintained by each owner as units of enumeration.

In view of the experimental nature of the program formulated and the lack of programming staff, it was neither possible to use precoded type of questionnaires for data collection nor to formulate in advance definite ideas on the mechanical processing of data arising from the program.

Botswana has a centralized system of collection of statistical data. The Agricultural Statistics Unit, staffed by personnel seconded from Central Statistics Office in the Ministry of Finance and Development Planning, is in fact physically located in the Planning and Statistics Division of the Ministry of Agriculture. The GOB utilizes computer 1902T - ICL with terminals available at various points including the MOA Research Center.

The lack of detailed statistics on structure and resource aspects of agriculture has hampered fuller and clearer identification of problems and potentialities of agricultural development in the country. "Botswana suffers from lack of reliable and continuous data on agricultural production ....." (National Development Plan 1976-81 - Agricultural Trend). The 1974/75 Sample Census attempted to remedy the situation by gathering data useful not only in the day-to-day management problems but also in actions contemplated in the agricultural sector, especially with regard to the importance accorded to Rural Development Programs. Data have been gathered on a wide range of structural details characterizing the agricultural pursuits of the rural population. These structural data define the setting to which the plan and development efforts are to be oriented and help in [illegible] range together with definitions of sectors and others required.

[illegible] to the [illegible] requirements, viz, (a) census [illegible] years for building, (b) year [illegible] data for 1974/75 and subsequent

Continued --

19. B. census years by agricultural districts. Items (a) and (b) are necessarily intermingled as they both utilize the same data source holders) and some of the required tabulations are applicable to both. Item (c) can be regarded separately.

The validation programs will be required to accept data onto direct access file which indclude the facility to correct information already input. The input to the validation programs will be from punched cards. One program to calculate inflation factors to be used for weighting, and nine other programs for producing a number of different tabulations each are required.

In connection with cattle census a validate/update program and a report program are required. The latter program should produce about seven different types of tabulations.

It should be noted that another USAID-funded technician is currently working in the MOA with primary responsibility in key punch inputs, computer operation, and data collection and reporting. This technician and limited part-time staff will be available to assist the programmer, and it is felt that a period of 4 months would be required for the consultant to write the program and thoroughly test it. The consultant should have a degree in Computer Science and approximately five years of relevant experience, or be a recognized computer programmer with approximately eight years of relevant experience.

19. D.

Estimated Illustrative Budget

Salary	12,000
International Travel	2,000
Per Diem	3,800
Car Rental	1,700
Miscellaneous	500
	20,000

AID 1020-1 (7-71)

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

PIO/T

PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES

1. Cooperating Country: Botswana

Page 1 of 1 Pages

2. PIO/T No.: 633-0056-2-80018

3. [ ] Original or Amendment No. 1

4. Project/Activity No. and Title: 633-0056 Botswana Crop Production

DISTRIBUTION

5. Appropriation Symbol: 72-1181006

6.A. Allotment Symbol and Name: 856-52-633-00-69-81

6.B. Funds Allotted to: [ ] A.I.D./W [X] Mission

7. Obligation Status: [ ] Administrative Reservation [X] Implementing Document

8. Funding Period (Mo., Day, Yr.): From 2-1-78 to be determined

9.A. Services to Start (Mo., Day, Yr.): Between continuing and

9.B. Completion date of Services (Mo., Day, Yr.): various

10.A. Type of Action: [ ] A.I.D. Contract [ ] Cooperating Country Contract [X] Participating Agency Service Agreement [ ] Other

10.B. Authorized Agent: AID/W

Estimated Financing $1.00=		(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
11. Maximum A.I.D. Financing	A. Dollars	62,700	78,600		141,300
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

690-0056-2-70134

Mbabane 2342

14. Instructions to Authorized Agent

This amendment provides additional funds to supplement PASA-AG-BOT-0056-2-78

NOTE: This amendment brings about the full utilization of FY-78 PASA funds under this project.

15. Clearances – Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate
W. F. Cook
Willie F. Cook, ADO

B. Funds for the services requested are available
DEH
Donald E. Hickson, CON

C. The scope of work lies within the purview of the initiating and approved Agency Programs
Ted D. Morse, A/RDO

D.
Jack E. Warner
Jack E. Warner, A/APO

E.

F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date: (See ProAg 78-633-4) Revision 1

Title:

17. For the Agency for International Development
Ted D. Morse
Signature: Ted D. Morse
Title: A/RDO

18. Date of Signature: Aug. 4 1978