

CONTRACT/AGREEMENT DATA SHEET	1. M/SER/AAM/A/SUP Action Monitor	2. Date PIO/T Received in M/SER/AAM/A/SUP / /
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COMPLETE EACH BLOCK FOR BOTH NEW ASSISTANCE/ACQUISITION AND MODIFICATION ACTIONS

3. Contract/Agreement/Number <u>518-0074-A-00-7279-00</u>		<u>PDFBK139</u>
4. Contractor/Recipient Name <u>COOPERATIVE FOR AMERICAN RELIEF EVERYWHERE</u>		5. Contractor Acronym <u>CARE</u>
6. Project Title <u>SMALL FARMER IRRIGATION</u>		7. Project Number <u>518-0074</u>
8. Project Officer's Name <u>B KERMAN</u>		9. Bureau or USAID Symbol <u>QUITO</u>

10. PIO/T Number <u>518-0074-3-70106</u>	21. Budget Plan Code <u>LDNA-87-25518-K613</u>
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11. TYPE OF ACTION

A. New Acquisition/Assistance **A**

B. Amendment/Modification

1. New/Revised Scope

2. Funded Extension

3. No Cost Extension

4. Transfer of action from AID/W to Mission/Mission to AID/W

5. Incremental Funding

6. Overhead Rate Adjustment

7. Contract Closeout

8. Other

C.FPR or FAR N/A

22. Country or Region of Performance
ECUADOR

23. A. This Action Increases or Decreases TEC by
\$ -0-

B. Total Estimated Cost of Contractual Document
\$ 600,000

24. Amount of Non-Federal Funds Pledged to the Project
\$ 250,000

12. Amount of this PIO/T
U.S. \$ 300,000

25. Effective Date of this Action
8,31,87

13. Amount Obligated Subobligated Deobligated
by this Contract or Amendment
U.S. \$ 300,000

26. Estimated Completion/Expiration Date
8,31,90

14. Cumulative Obligation (Life of Contract)
U.S. \$ 300,000

27. Contractor DUNS Number
-

15. This Action Funded Through
8,31,90

28. Consultant Type Award
 YES NO

16. Date Contractual Documents Signed by AID Official
8,31,87

29. Number of Person Months (PASA/RSSA only)
N/A

17. Incrementally Funded Contracts
 YES NO

30. Number of Persons (PASA/RSSA only)
N/A

18. Host Country/Counterpart Institution (University Contracts)
N/A

31. CONTRACT TYPE

A. Fixed Price (specify: FFP FPD FPEPA FPI) **D**

B. Cost Reimbursement (specify: CR CPFF CS CPAF CPIF)

C. IQC and Requirements Contracts

D. Grant/CA/PASA/RSSA

E. Contracts with Individuals

19. Campus Coordinator (University Contracts)
N/A

20. ADVANCE

A. No Advance

B. Advance Non-FRLC

C. Advance FRLC **C**

32. Negotiator's Typed Name

33. Negotiator's Signature

34. Date Signed
/ /

35. Contract/Grant Officer's Organization Symbol
RCC/QUITO

36. Contract/Grant Officer's Signature
[Signature]

37. Date Signed
8,31,87

ENTERED

COORS Section

38. SUBJECT TO STATUTORY REQUIREMENT

E

A. Walsh-Healey Act, Manufacturer*
 B. Walsh-Healey Act, Regular Dealer*
 C. Service Contract Act
(U.S. ONLY - Guards, Maintenance, Laborers)
 D. Davis-Bacon Act *(Construction)*
 E. Not subject to Walsh-Bacon Act
(Most AID Contracts)

46. LABOR SURPLUS AREA PREFERENCE

D

Labor Surplus Area
 A. No Preference
 B. Tie Bid Preference
 C. Total Set Aside
 D. Not a Labor Surplus Area Preference Award

*Equipment, Supplies, Materials, and Commodities

39. Country of Manufacture

W/A

47. TYPE OF BUSINESS

H

A. Source: Non-U.S. and Used Outside U.S. & Possessions
 B. Source: Non-U.S. and Possessions
*(Foreign Purchases Used Inside U.S.)
 (If U.S. Source, complete C through Q)*
 C. Firm - Profit Making & PSC's

Non-Profit Organizations
 D. Private Educational Organizations
 E. Hospitals
 F. Research Institutions, Foundations, and Laboratories
 G. Other

40. CURRENCY INDICATOR

A

A. U.S. Dollar
 B. Local Currency
 C. Combination
 D. Unfunded

Private Voluntary Organizations
 H. U.S. Registered
 I. U.S. Non-Registered
 J. Foreign

State/Local Government
 K. Educational Institutions
 L. Hospitals
 M. Research Organizations
 N. Other

O. International Agricultural Research Organizations
 P. Public International Organizations
 Q. U.S. Cooperatives

41. SUBCONTRACTS

Is there a provision for a subcontract? *(Contracts only)*

YES NO

42. TYPE OF SERVICE

B

A. Training of Participants
 B. Technical Assistance to Host Country
(Program, Project related except A&E Services)
 C. A&E Services
 D. Construction
 E. Research
 F. Technical Services to AID
(other than training; usually operating expense)
 G. Training Service for AID
 H. Equipment, Materials, Supplies, Commodities
 I. Translation Service

43. CONTRACT/AGREEMENT SOURCE

A

A. U.S. Contractor/Grantee
 B. Non-U.S. Contractor/Grantee
 C. Combination of A & B

48. Women Owned Business?

YES NO

44. TYPE OF AMERICAN OWNERSHIP
(U.S. Persons or Firms Only)

G

Minority
 A. Asian/Pacific Islander
 B. Black American
 C. American Aleuts or Eskimos
 D. American Indian
 E. Hispanic

G. Non-Minority

49. TYPE OF AWARD

H

Small Business
 A. Not Set Aside
 B. Partial Set Aside
 C. Total Set Aside
 Other Than Small Business
 D. Personal Service Contract
 E. Individual Non-Personal Service Contract
 F. U.S. Government
 G. University
 H. Non-Profit Organizations and PVOs
 I. Large Businesses

45. METHOD OF SOLICITATION

E

A. Sealed Bid
 B. Competitive Proposal
 C. Combination/Competition
 D. Other Competition
 E. Noncompetitive

50. Paying Office.
 . Payment will be made by

USAID / QUITO ECUADOR

51. SYNOPSIS PRIOR TO AWARD

A. Synopsized prior to awards
 B. Not synopsized due to emergency
 C. Not synopsized for other reasons

52. COMPETITIVE SOLICITATION PROCEDURES

A. Normal full and open competition *
 B. Architect - Engineer
 C. Basic Research Proposal
 D. Multiple Award Schedule
 E. Alternate Source - Reduced Cost
 F. Alternate Source - Mobilization
 G. Alternate Source - Engineering/R&D Capability
 H. Small Business Set-Aside
 I. Labor Surplus Area Set-Aside
 K. LSA/Small Business Set-Aside
 L. Other than full and open competition
 M. Small Purchases
 N. 8(a) Program
 P. Otherwise authorized by statute
 *If, 'A', block 57 must be completed

53. NUMBER OF OFFERORS

1. Only one offeror
 2. More than one offeror

54. APPLICABILITY OF COMPETITION IN CONTRACT ACT (CICA)

1. Pre-CICA
 2. Post-CICA

55. AUTHORITY FOR OTHER THAN FULL & OPEN COMPETITION

A. Unique Source
 B. Follow-on Contract
 C. Unsolicited Research Proposal
 D. Patent/Data Rights
 E. Utilities
 F. Standardization
 G. Only One Source - Other
 H. Urgency
 J. Mobilization
 K. Essential R&D Capability
 L. International Agreement
 M. Authorized by Statute *
 N. Authorized Resale
 P. National Security
 Q. Public Interest
 *If 'M', block 56 must be completed

56. SPECIAL AUTHORITY FOR NON-COMPETITIVE ACTIONS
(Impairment of Foreign AID Programs) Authorized Under AIDAR Sec. 706.302.70(b)(3)

1. PSC's Awarded Under Sec. 636(a)(3)
 2. An Award of \$100,000 or Less by an Overseas Contracting Activity
 3. Written Determination by Assistant Administrator or Administrator
 4. None of the above.

57. SPECIAL SELECTION PROCEDURES

1. University Selection Procedures
 2. Collaborative Assistance Procedures
 3. None of the above

United States Agency for
International Development (AID)
Quito, Ecuador



Agencia de los Estados Unidos para
el Desarrollo Internacional (AID)
Quito, Ecuador

RCO-87-969
August 31, 1987

Mr. John Mosher
Acting Country Director
CARE/Ecuador
Quito.-

Subject: Cooperative Agreement No. 518-0074-A-00-7279-00,
CARE Small Farmer Irrigation Project

Dear Mr. Mosher:

Pursuant to the authority contained in the Foreign Assistance Act of 1961, as amended, the Agency for International Development (hereinafter referred to as "A.I.D." or "Grantor") hereby grants to the Cooperative for American Relief Everywhere (hereby referred to as "CARE" or "Recipient"), the sum of Three Hundred Thousand United States Dollars (US\$300,000) to provide support for a program in small farm irrigation, as described in the Schedule of this Agreement and in Attachment 2, entitled "Program Description."

This Agreement is effective and obligation is made as of the date of this letter and shall apply to commitments made by the Recipient in furtherance of program objectives during the period beginning with the effective date and ending August 31, 1990.

This Agreement is made with CARE on condition that the funds will be administered in accordance with the terms and conditions as set forth in Attachment 1, entitled "Schedule", Attachment 2, entitled "Program Description", and Attachment 3, entitled "Standard Provisions", which have been agreed to by your organization.

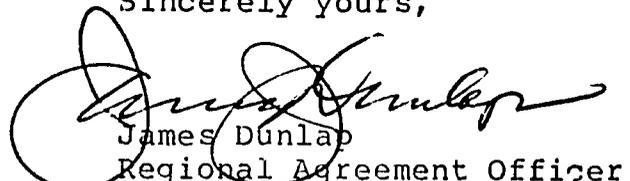
BEST AVAILABLE DOCUMENT

INTERNATIONAL MAIL ADDRESS: U. S. AID Mission to Ecuador - c/o American Embassy - Quito, Ecuador
U. S. MAIL ADDRESS: USAID Quito - APO Miami, FI 34039
PHONE: 521 - 100

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Please sign the original and three (3) copies of this letter to acknowledge your receipt of the Agreement, and return the original and two (2) copies to USAID/Ecuador, Attention: RCO.

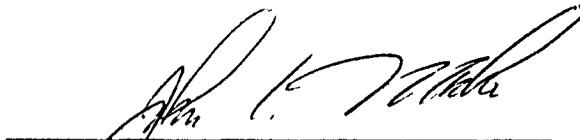
Sincerely yours,


James Dunlap
Regional Agreement Officer
USAID/Ecuador

Attachments:

1. Schedule
2. Program Description
3. Standard Provisions

ACKNOWLEDGED BY:



John Mosher
Acting Country Director
CARE

Date: August 31, 1987

Fiscal Data

Appropriation:	72-1171021.3
Budget Plan Code:	LDNA-87-25518-KG13
PIO/T No.:	518-0074-3-70106
Project No.:	518-0074
Total Estimated Amount:	\$600,000
Total Obligated Amount:	\$300,000
Funding Source:	USAID/Ecuador

BEST AVAILABLE DOCUMENT

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ATTACHMENT No. 1

SCHEDULE

A. Purpose of Agreement

The purpose of this Agreement is to provide support for a small farm irrigation program, as more specifically described in Attachment No. 2 to this Agreement entitled "Program Description".

B. Period of Grant

1. The effective date of this Agreement is the date of the cover letter. The expiration date of this Agreement is August 31, 1990.
2. Funds obligated hereunder are available for program expenditures for the estimated period September 1, 1987 to August 31, 1990 as shown in the Financial Plan below.

C. Amount of Grant and Payment

1. The total estimated amount of this Agreement for the period shown in B.1 above is US\$600,000.
2. AID hereby obligates the amount of \$300,000 for program expenditures during the period set forth in B.2. above and as shown in the Grant Budget below.
3. Payment shall be made to the Recipient in accordance with procedures set forth in Optional Standard Provision 1, entitled "Payment - Letter of Credit" of Attachment No. 3.
4. Additional funds up to the total amount of the Agreement shown in C.1 above may be obligated by AID, subject to the availability of funds and to the requirements of the Standard Provision of the Agreement, entitled "Revision of Grant Budget".
5. All costs incurred under this Agreement in excess of those budgeted for and set forth in the Grant Budget below, shall be paid by the Recipient.

D. Grant Budget

1. The following is the Grant Budget for this Agreement, including local cost financing items, if authorized. Revisions to this Plan shall be made in accordance with Standard Provision of this Agreement, entitled "Revision of Grant Budget".

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BEST AVAILABLE DOCUMENT

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Cost Element	Obligated Amount	Estimated Additional	Total Estimated
1. Personnel	150,040	80,560	230,600
2. Courses	4,960	0	4,960
3. Equipment & Materials	100,000	148,431	248,431
4. Production Credit	0	0	0
5. Guaranty Fund	0	0	0
6. Operating expenses	0	0	0
7. Contingency	0	5,000	5,000
8. CARE/Ecuador Dir. Admin. Expenses	20,000	15,260	35,260
9. CARE/N.Y. Overhead	25,000	50,749	75,749
Grand Total:	<u>300,000</u>	<u>300,000</u>	<u>600,000</u>

2. Within the total obligated amount of this Agreement, the Recipient may adjust individual line items by up to 15% as is reasonably necessary for the performance of project objectives set forth herein.
3. The Recipient shall provide A.I.D. with a copy of each financial audit conducted of the Recipient. The audit report shall include a section detailing A.I.D. project receipts and related expenditures.
4. The Recipient is authorized to use U.S. dollars for Local Cost Financing in accordance with the Optional Standard Provision entitled "Conversion of United States Dollars to Local Currency."

E. Reporting and Evaluation

1. The Recipient will provide progress reports to A.I.D. on a trimester basis. These reports will include a description of activities undertaken during the reporting period, an assessment of obstacles encountered in implementation, and recommended actions to eliminate these obstacles.
2. Financial reporting requirements shall be in accordance with the Optional Standard Provision entitled "Payment - Letter of Credit".
3. The Recipient will conduct monitoring and evaluation activities to assess the impact of the project. The principal evaluation targets include the following:

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- A 50 percent real increase in agricultural income for an estimated 1,700 small farm families in Quimiag during the life of the project.
- Increased yields of traditional crops and diversification into vegetable and fruit production on the beneficiary farms.
- The installed on-farm irrigation systems operating, on the average, 27 days out of the month.
- Community water and soil management committees formed in the beneficiary communities and 80% of the committees meeting on a monthly basis.

CARE will collect baseline data at the outset of the project. Project staff will maintain records which will allow assessment of progress toward achievement of the project targets and prepare reports on a yearly basis. Furthermore, near the end of the project an independent consultant contracted by CARE will carry out a broad, detailed evaluation to measure the final impact of the project and its overall effectiveness. To the extent practicable, the evaluation methodology will include control (non-beneficiary) groups. CARE will provide to AID copies of all monitoring and evaluation reports.

F. Standard Provisions

The Standard Provisions for this Agreement shall be Attachment 3 to this Agreement which are incorporated herein and made a part hereof.

G. Indirect Cost Rates

Pursuant to the Optional Standard Provision of this Agreement entitled "Negotiated Indirect Cost Rates - Provisional", a rate or rates shall be established for each of the Recipient's accounting periods which apply to this Agreement. Pending establishment of revised provisional or final indirect cost rates for each of the Recipient's accounting periods which apply to this Agreement, provisional payments on account of allowable indirect costs shall be made on the basis of the following negotiated provisional rate(s) applied to the base(s) which are set forth below.

<u>Type</u>	<u>Rate</u>	<u>Base</u>	<u>Period</u>
Overhead	9.19%	(*)	July 1, 1986 until amended

(*) Total direct cost excluding value of agricultural commodities, in-kind contributions and ocean freight costs.

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H. Title to Property

Title to all property acquired with funds provided directly to the Recipient under this Agreement shall vest in the Recipient, subject to the terms and conditions of the Optional Standard Provision entitled "Title To and Use of Property (Grantee Title)".

I. Authorized Geographic Code

The authorized geographic code for procurement of goods and services under this Agreement is the United States (Code 000) and Ecuador.

J. Substantial Involvement Understanding

Within ninety days of signing this Agreement, CARE will submit to A.I.D., for approval, a copy of its sub-agreement with the credit cooperative "El Sagrario" for the operation of the credit component of the project.

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Attachment No. 2

PROGRAM DESCRIPTION

A. Background

Since 1980, AID and the Government of Ecuador, under the Integrated Rural Development (IRD) Project, have invested approximately US\$15 million in constructing primary and secondary conveyances to bring irrigation water to the Quimiag area of the highland province of Chimborazo. AID's involvement in the IRD project ends on September 30, 1987. At that time most of the construction of the primary conveyance and approximately 20% of the secondary conveyances will be complete. Completion of the remaining construction work, which is targeted for June 1988, will be carried out by the Ecuadorean Institute for Water Resources (INERHI) by agreement with the Ministry of Social Welfare's Subsecretary of Rural Development (SRD).

Under the IRD project, AID also financed two pilot tertiary sprinkler irrigation systems to test the feasibility of sprinkler irrigation technology in the highland areas of Ecuador. These pilot projects showed that sprinkler systems can be accepted and operated by small farmers; can increase agricultural productivity; and reduce the risk of soil erosion. Based on the pilot sprinkler demonstrations, it is reasonable to expect similar results from the installation of sprinkler systems to utilize the water to be made available by the Quimiag irrigation project.

As a follow on to A.I.D.'s IRD project, CARE/Ecuador's three-year sprinkler irrigation Project will ensure adequate on-farm use of irrigation water made available under the IRD project through an extension and credit program that will provide Quimiag small farmers with the opportunity to: 1) install and adequately maintain gravity sprinkler irrigation systems; 2) cultivate crops of higher value than traditional crops; 3) learn and apply soil conservation techniques on Quimiag's steep slopes.

B. Project Goal

The goal of the project is to improve the lives of approximately 1,700 small farmers and their families who occupy 1,700 hectares of land in Quimiag. It is expected that during the life of the project the agricultural incomes of the beneficiary families will increase by 50% in real terms (i.e., after inflation).

C. Project Purpose

The purpose of the project is to assure the adequate on-farm use of the irrigation water to be made available to Quimiag farmers under the Integrated Rural Development Project. Adequate use of this water will contribute to conservation of the farmers' soil, increased yields of traditional crops, and diversification into higher value crops (e.g., fruits and vegetables).

D. Project Outputs

The project will accomplish the following:

1. Assist INERHI to finish the primary and secondary conveyances and start their operation in a technically adequate fashion.
2. Assist farmers to install on-farm sprinkler irrigation systems on approximately 1,700 hectares of small farm holdings in Quimiag.
3. Train small farmers in the use and maintenance of the sprinkler systems.
4. Train small farmers in soil conservation techniques.
5. Assist small farmers to diversify into vegetable and fruit crops.
6. Provide access to credit to finance sprinkler installation and crop production.

E. Project Implementation

1. Project Coordination

a. Several different organizations will have to coordinate their work in Quimiag to ensure successful construction, operation and maintenance of the irrigation system. CARE will take a lead role in stimulating such coordination by organizing monthly meetings of a coordinating committee. INERHI, SRD and USAID will delegate representatives to this committee. The committee will be responsible for defining the role of each institution, establishing the resources that each institution will assign to the project, and following up on commitments made by each institution.

The role of each institution will be determined by its strengths, capabilities and governmental mandates. For example, INERHI has the responsibility to finish the primary and

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secondary water conveyances. It must also organize "Juntas de Aguas", as it does in every irrigation project it builds. These committees will be the main contact point through which CARE will carry out the project. SRD will have to assign a person to coordinate its field extension activities with those of CARE. CARE will build on its experience in agricultural extension, credit, and community organization. While all the details of the necessary interinstitutional cooperation cannot be fixed ahead of time, the coordinating committee will serve to define each institution's role and responsibilities in the most expeditious manner possible.

b. CARE will be responsible for recording the minutes of all monthly meetings and providing a copy of these minutes to A.I.D.

2. Project Activities

Major project activities to be implemented by CARE are as follows:

a. Technical control of completion of primary/secondary systems

In order to assure adequate technical quality of the primary and secondary systems, CARE will provide engineering assistance to INERHI to start up and check out the control systems for the primary conveyance and to review the designs and installation of the secondary systems. The engineering consultants will also prepare an operating and maintenance manual for the sleeve valve energy dissipator and its electrical control system. Representatives from the Tech Sales, Bailey and Bermad companies will be brought to Ecuador for short periods to review the installation of the valves and electrical control system which these companies have provided for the Quimiag system. Each of these technical advisors will be responsible for training a counterpart engineer from INERHI. CARE will also provide an Ecuadorean civil engineer to inspect the remaining civil works construction on the primary and secondary systems. CARE will bear no responsibility for the completion of the primary and secondary systems, which will remain the direct responsibility of the Government of Ecuador, and specifically INERHI and SRD.

b. Soil-water-plant relations studies

An irrigation specialist contracted by CARE will carry out these studies. The studies will be initiated during the installation of the sprinkler systems so that the information gathered may be utilized as soon as the systems are functioning.

c. Sprinkler systems installation and operation

In close collaboration with INERHI, CARE will promote the use of sprinkler irrigation technology in the target communities. The demonstration systems installed in El Toldo and Balcashi under the Integrated Rural Development Project will be employed for this purpose. In-kind loans of the accessories for the on-farm systems will be available to interested farmers. CARE staff will provide technical assistance to ensure the proper design and installation of the systems.

d. Promotion and extension

In collaboration with INERHI and SRD, extensionists contracted by CARE and other CARE project staff will carry out promotion and training activities to encourage adoption of practices that will ensure the proper use of irrigation water in the context of the total farming system. First, CARE staff will provide training to the farmers in the operation and maintenance of the sprinkler systems. CARE will also assist the communities to establish organizations which will be responsible for the maintenance of the systems and community funds to pay for needed repairs. Second, CARE will provide training to farmer groups and individual farmers in appropriate water and soil conservation practices and crop improvement and diversification. Finally, CARE will promote the use of crop production credit and assist in the formation of community credit committees.

Prior to initiating these promotion and extension activities, the selected extensionists will receive approximately two months of intensive training conducted by project staff and other qualified personnel in the areas of water management, soil conservation and agroforestry, crop improvement and vegetable and fruit production, extension education and human relations, and possibly credit promotion. Additional or refresher courses in subsequent years will be offered as needed.

e. Credit

Project beneficiaries will have access to credit for installation of the on-farm sprinkler irrigation systems and for production.

The sprinkler irrigation loans will be made on an in-kind basis once the community or a portion thereof is in agreement to install the systems and an irrigation committee has been formed. Community credit committees will also be formed. Credit will be granted on an individual basis as well for communally-owned land if all owners are in agreement.

The crop production loans will be short-term (one year or less) and will be made available to project participants (both sprinkler and furrow irrigation users) to purchase needed inputs for planting only in parcels where land and water management practices have been applied. Extensionists will assist farmers in preparing crop calendars on which the loan amounts will be based. Credit will be granted to individuals and groups with the approval of the credit committee and field personnel.

It is anticipated that this credit will be made available by the savings and loan cooperative "El Sagrario" through a sub-agreement with CARE. An experienced credit officer contracted by CARE will work with the credit committees to plan a repayment schedule and ensure that farmers do not become over-indebted. The Cooperative will administer loan collection. The reflows from repayments of the production and infrastructure loans will continue to be used by El Sagrario to establish a permanent fund for agricultural-related loans to small farmers in Quimiyag.

Both types of loans, for sprinkler accessories and crop production inputs, will be backed by a guarantee fund placed with the Cooperative by CARE. The fund will be placed on account for one year at a fixed interest rate. The Cooperative will in turn make loans available to project participants from its own resources equal to an average maximum outstanding loan balance of 2 times the amount of the guarantee fund. The fund will be used only to cover loans which become delinquent due to inability or refusal to pay or death of the recipient.

Within 90 days of signing this Cooperative Agreement, CARE will be required to submit to AID, for approval, its sub-agreement with "El Sagrario".

f. Project monitoring and evaluation

CARE consultants will conduct a survey of the economic situation and current crop production practices of farmers will be conducted before irrigation water use begins. These data will provide the baseline against which the project's impact on income, yields, and other variables will be evaluated. During the project, CARE staff will prepare annual reports on progress toward achievement of project targets. At the end of the project, independent consultants will carry out a final evaluation of the project's impact and effectiveness.

F. Funding Sources

The project will be funded from four different sources as shown in the following table:

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COMPONENT	TOTAL	AID	CARE	EL SAGRARIO	PL-480
PERSONNEL	398,500	230,600	65,000	0	102,900
COURSES	24,960	4,960	0	0	20,000
EQUIPMENT & MATERIALS	516,431	248,431	62,000	164,000	42,000
EL SAGRARIO LOANS	80,000	0	0	80,000	0
GUARANTY FUND	82,000	0	82,000	0	0
OPERATING EXPENSES	40,000	0	20,000	0	20,000
CONTINGENCY	50,260	5,000	10,160	0	35,100
CARE/EC. DIR. ADMIN. EXP.	126,100	35,260	10,840	0	80,000
CARE/N.Y. OVERHEAD	75,749	75,749	0	0	0
GRAND TOTAL	1,394,000	600,000	250,000	244,000	300,000

Of the AID grant funds, US\$300,000 will be obligated in FY-87 and the remainder in subsequent fiscal years. The El Sagrario credit cooperative will provide a total of US\$244,000, approximately US\$80,000 of which will be directed to production credit, with the remainder to be used for the purchase of PVC pipe and accessories for resale to project beneficiaries. In addition to its contribution of US\$250,000, CARE will apply to the PL-480 committee for the US\$300,000 of PL-480 funds. These funds have already been programmed by the committee.

G. Project Inputs

CARE will contract the following personnel to work in the project:

	Estimated person months
1. <u>International</u>	
Irrigation Specialist	18
Hydraulic Engineer	4
Electrical Technician	0.5
Sleeve Valve Technician	1
Float Valve Technician	0.5
Irrigation Engineer	9
2. <u>National</u>	
Professional	
Project Manager	36
Field Supervisor	36
Agronomist	24
Sociologist	24
Surveyor	12
Credit Promoter	36

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Civil Engineer	12
Irrigation Engineer	36
Soil Scientist	4
Evaluation Team	4

Miscellaneous

Extensionists *	360
Secretary	36
Installers/Trainers *	144
Mason *	6
Warehouse Clerk *	36
Warehouse Guard * .	36
Messenger *	36
TOTAL	911

* With PL-480 lands

CARE will also directly procure project commodities, including vehicles, motorcycles, research equipment, and PVC pipe and accessories for approximately 850 hectares. Additional PVC pipe and accessories procured under the Integrated Rural Development Project and sufficient for approximately 850 hectares will also be made available to CARE for this project.

(0134F)

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