PROAG

PROJECT AGREEMENT

BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT, AND AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND

The Ministry of Plan, International Cooperation and Statistics

AN AGENCY OF THE GOVERNMENT OF Central African Republic

The above-named parties hereby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:

[X] Project Description Annex A
[ ] Foreign Currency Standard Provisions Annex
[X] Standard Provisions Annex
[ ] Special Loan Provisions Annex

This Project Agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:

[ ] General Agreement for Technical Cooperation — Date
[X] Economic Cooperation Agreement — Date Feb 10, 1963
[ ] (other) — Date

1. Project/Activity No. 676-11-130-202
2. Agreement No. 676-202-76-02
3. [X] Original or Revision No.

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4. Project/Activity Title

Central African Republic
Rural Village Wells

5. Project Description and Explanation

(See Annex A attached)

6. AID Appropriation Symbol: 72-11X1031

7. AID Allotment Symbol: 431-52-676-00-53-61

8. AID FINANCING [X] Dollars [ ] Local Currency	Previous Total (A)	Increase (B)	Decrease (C)	Total to Date (D)
(a) Total	-o-	$ 500,000		$ 500,000
(b) Contract Services				
(c) Commodities		$ 442,000		$ 442,000
(d) Other Costs	-o-	$ 18,000		$ 18,000
9. COOPERATING AGENCY FINANCING Dollar Equivalent $1.00 =				
(a) Total	-0-	$ 75,500		$ 75,500
(b) Technical and Other Services	-0-	$ 31,900		$ 31,900
(c) Commodities	-0-	-0-		-0-
(d) Other Costs	-0-	$ 43,600		$ 43,600

10. Special Provisions (Use Additional Continuation Sheets, If Necessary)

RDO/Y/PROG
CONT/Y
CAR/RCB
RDO/Y

Minister of Public Works

11. Date of Original Agreement: December 11, 1975
12. Date of This Revision: December 11, 1975
13. Estimated Final Contribution Date: JUNE 30, 1980

14. For the Cooperating Government or Agency
SIGNATURE: DATE:
TITLE: Minister of Plan, International Cooperation and Statistics

15. For the Agency for International Development
SIGNATURE: William L. Swing
TITLE: Chargé d'Affaires, American Embassy

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A. BACKGROUND

The Central African Republic, although more than 300 miles from the sea, is south of the Sahelian zone most affected by the drought of 1969-1974. Its geographical location thus protected it from the total economic disrupture and dislocation of people associated with the extended drought period. However, in 1974 the Central African Republic experienced the lowest rainfall and river levels ever recorded. In the northeastern districts of Birao and Ndele rainfall was low as 38 percent of normal.

The northern region of the Central African Republic is now experiencing drought-aggravated symptoms of environmental degradation. The water table is lower, inter alia, reducing the capacity of shallow-dug wells to provide water. Natural open water systems, which in many instances are normally unsatisfactory are becoming more sluggish and polluted because of increased use and decreased water levels. This shortage of water has its most severe impact on rural village water supplies. The development of reliable and uncontaminated water resources for human consumption would significantly improve the quality of living for the villagers of this region.

A. ARRIERE-PLAN

La République Centrafricaine bien que située à plus de 300 miles de la mer se trouve au Sud de la zone Sahélienne la plus affectée par la sécheresse de 1969 à 1974. Sa situation géographique l'a ainsi protégée de la rupture économique totale et du bouleversement des populations en rapport avec cette période prolongée de sécheresse. Cependant, en 1974, la République Centrafricaine a connu les chutes de pluie les plus faibles et les niveaux de fleuves les plus bas jamais enregistrés. Dans les districts de Birao et de Ndélé au Nord-Ouest, les chutes de pluies ont atteint un niveau de 38% au-dessous de la normale.

La région du Nord de la République Centrafricaine connaît actuellement des symptômes de dégradation environnementale aggravés par la sécheresse. Le niveau hydrostatique entre autres, est plus bas, ce qui réduit la capacité des puits peu profonds à fournir de l'eau. Les systèmes naturels à découvert, qui la plupart du temps ne sont pas normalement satisfaisants, deviennent plus lents et pollués à cause d'une utilisation accrue et du niveau décroissant des eaux. Ce manque d'eau se ressent le plus dans l'alimentation en eau des villages ruraux. L'aménagement de ressources d'eau sûres et non contaminées, bonnes pour la consommatio humaine augmenterait de façon appr ciable la qualité de vie des villa geois de cette région.

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Recognizing the northern rural population's need for potable and dependable water supplies, the Agency for International Development and the Peace Corps of the United States jointly undertake with the Government of the Central African Republic to sponsor a rural well drilling project.

Reconnaissant le besoin des populations rurales du Nord pour une alimentation en eau potable et sûre, l'Agence pour le Développement International ainsi que le Corps de la Paix des Etats-Unis entreprennent conjointement avec le Gouvernement de la République Centrafricaine de parrainer un projet de forage de puits ruraux.

B. PROJECT PURPOSES

This project has two major objectives. The first is to install approximately 250 small bore drilled wells, providing a protected water supply for an estimated 75,000 rural dwellers in the North. These protected wells are needed by the villagers because the shortage of water is increasing dependance on unhealthy pools and streams, which in turn is leading to a serious deterioration in general health conditions as well as spreading endemic water-borne diseases.

World Health Organization experts estimate that water shortages in northern areas of the Central African Republic are resulting in sharp increases in the incidence of schistosomiasis, ameobic dysentery and related health problems. Drilled wells will promote the improvement of general health conditions by reducing the actual threats posed by water-borne diseases as well as forestall potential threats to the standard of health of the rural populace which may occur during future years of insufficient rainfall.

B. BUTS DU PROJET

Ce projet a deux objectifs majeurs. Le premier est d'installer approximativement 250 puits à alésage réduit capables de fournir une alimentation en eau potable pour une population rurale du Nord estimée à 75,000 personnes. Ces puits protégés sont nécessaires pour les villageois parce que le manque d'eau augmente leur dépendance sur les mares et les cours d'eau malsains, ce qui mène à une grave détérioration des conditions sanitaires en général, de même qu'à la généralisation des maladies endémiques propagées par l'eau.

Les experts de l'Organisation Mondiale de la Santé ont estimé que le manque d'eau dans les régions du Nord de la République Centrafricaine a pour résultat une augmentation importante de l'incidence de la schistomatose, de la dysenterie amibienne et autres problèmes médicaux en rapport. Le forage de puits apportera une amélioration des conditions sanitaires en général en réduisant la menace des maladies transmises par l'eau de même que celle que l'on peut prévoir pour le niveau de santé de la population rurale dans les années à venir, en ca d'insuffisance des chutes de pluie.

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The second major objective of this project is to provide the opportunity for on-the-job training to Central African technicians in the techniques of small-bore well drilling as well as training them in the intermediate technology of low-cost maintenance. It is expected that the Central African technicians trained under this project will form the cadre for a well drilling and maintenance unit within the Ministry of Public Works, capable of continuing a well drilling program without foreign technical assistance and also capable of providing systematic and periodic maintenance.

Le deuxième objectif majeur de ce projet est de fournir une formation sur le terrain aux techniciens Centrafricains sur les techniques de forage des puits à alésage réduit de même qu'une formation dans la technique intermédiaire de l'entretien à bas prix. On prévoit que les techniciens Centrafricains formés dans le cadre de ce projet formeront eux-mêmes le cadre d'une unité de forage et d'entretien au sein du Ministère des Travaux Publics, capable de continuer un programme de forage de puits sans assistance technique étrangère et aussi capable de fournir un entretien systématique et périodique.

C. PLAN OF ACTION

To install approximately 250 wells throughout the northern tier of the Central African Republic (CAR), it is necessary to keep two installation teams in the field for an approximate 125-week period. With time allowed for machinery breakdowns, travel between well sites, rig set-up time, unusually difficult drilling conditions, "dry" holes and potential materials shortages each installation team will average one productive well per week.

Each installation team will have a truck with a medium-sized drilling rig. To support each unit logistically, a medium truck will continually re-supply it with cement, pipe, foodstuffs, well components etc., to maximize "over-the-hole" time. Additionally a one-ton all-terrain vehicle will provide administrative support and light-weight logistics as well as carrying out repairs. The manpower component for

C. PLAN D'ACTION

Pour installer approximativement 250 puits repartis dans le Nord de la République Centrafricaine (RCA), il faut entretenir 2 équipes d'installation sur le terrain pendant une période d'environ 125 semaines. En tenant compte des pannes de machines, des trajets entre les sites de puits, du temps des installations, des conditions particulièrement difficiles de forage, des forages inutiles et du manque imprévu de matériel, chaque équipe d'installation pourra installer en moyenne un puit par semaine.

Chaque équipe aura un camion équipé d'un matériel de forage de taille moyenne. Pour soutenir logistiquement chaque unité, un camion moyen le réapprovisionera continuellement en ciment, tuyaux, nourriture, parties de puits etc., pour étendre au maximum le temps passé sur le terrain. De plus, un véhicule "1.00o kg" tout terrain fournira le soutien administratif et logistique léger et s'occupera des réparations. La main d'oeuvre de chaque

each installation team will be three trained Peace Corps Volunteers and three Central African counterparts.

Well maintenance is a very important element of this project, since it assures long well life and continued provision of water to the population. Therefore, two repair teams, each with one Peace Corps volunteer and two Central African counterparts will become active approximately three to four months after commencement of well installation. Each team will be provided with an appropriate vehicle. Following is a projected schedule of key events.

équipe d'installation sera constituée de trois volontaires du Corps de la Paix et de trois équivalents Centrafricains.

L'entretien des puits est un élément très important de ce projet, puisqu'il assure aux puits une longue vie et aux populations une provision d'eau ininterrompue. Par conséquent, deux équipes de réparation, chacune composée d'un volontaire du Corps de la Paix et de deux équivalents Centrafricains entrera en activité environ 3 ou 4 mois après le début de l'installation des puits. Chaque équipe sera en possession d'un véhicule approprié. Ci-dessous se trouve le calendrier prévu pour les principales activités.

1. SCHEDULE OF IMPLEMENTATION

	Estimated Date	Key Events	Responsibility
I.	Dec. 75	Ordering materials and equipment	Peace Corps (PC)
II.	Jan. - Feb. 76	Designation of workshop, on-site inspection of all prospective well sites	PC/GOCAR
III.	Apr. - Sept. 76	Arrival of materials e.g. vehicles, rigs, tools etc.	PC/RDO/Y
IV.	Oct. - Nov. 76	Assembly of pumps and drilling equipment, and preparation of workshop/warehouse facility	PC/GOCAR

1. CALENDRIER D'EXECUTION

	Date Prévue	Evènement	Responsable
I.	Déc. 75	Commande du matériel et de l'équipement	Corps de la Paix
II.	Jan. - Févr. 76	Désignation de l'atélier, inspection sur le terrain de tous les sites de puits possibles	PC/GOCAR
III.	Avril - Sept. 76	Arrivée du matériel, véhicule, équipement, outils etc.	PC/RDO/Y
IV.	Oct. - Nov. 76	Assemblage des pompes et du matériel de forage et préparation de l'atelier et de l'entrepot	CP/GRCA

V. Jan. 77	Commencement of well installation and periodic maintenance by wells teams PC/GOCAR	V. Janv. 77	Début de l'installation des puits et de l'entretien régulier par les équipes de puits CP/GRCA

2. VILLAGE SELECTION CRITERIA

1. A well may be drilled only in the villages of the prefectures of Ouham, Ouham-Pende, Bamingui-Bangoran, Vakaga and Gribingui. An exception to this rubric will be made for the purpose of testing the equipment. Therefore, the first two wells will be drilled in the Bangui area, one at the Training School of the Ministry of Social Welfare at Damara, the other for the Health Agents from INEMS at Bimbo. These wells will also serve a dual purpose as demonstrations of the efficacy of the well design.

2. To be eligible, a village must have at least 200 inhabitants. Additional wells may be installed at the rate of one additional well for each additional 400 people over 200.

3. In addition to meeting the above criteria each village must agree to provide personnel on a self-help basis to assist, as the team may require, in the preparation of the well site. Moreover, the village must agree to accept the responsibility for keeping the area around and near the well clean, free of livestock encroachment as well as protecting it from abuse.

It is desirous that the installation team maximize to the extent practicable the meaningful participation of the recipient villagers so as to foster a sense of identity with

2. CRITERES DE SELECTION DES VILLAGES

1. Un puit ne pourra être foré que dans les villages des préfectures de Ouham, Ouham-Pende, Bamingui-Bangoran, Vakaga et Gribingui. Il sera fait exception dans le but de vérifier l'équipement. Par conséquent, les deux premiers puits seront forés dans la région de Bangui l'un à l'Ecole de Formation du Ministère des Affaires Sociales à Damara et l'autre pour les agents sanitaires de l'INEMS à Bimbo. Des puits serviront également de démonstration de l'efficacité du projet.

2. Pour être choisi, un village doit avoir au moins 200 habitants. Des puits supplémentaires pourront être installés à raison d'un puit pour 400 habitants au-dessus de 200.

3. En plus des critères ci-dessus, chaque village devra être d'accord pour fournir le personnel, sur la base d'une auto-assistance, pour aider, selon les besoins de l'équipe à la préparation du site. D'autre part, le village devra être d'accord pour accepter la responsabilité de conserver les alentours du puit propres, sans divagation d'animaux et d'empêcher sa détérioration.

Il est souhaitable que l'équipe d'installation porte au maximum la participation significative des villageois de façon à encourager un sens d'identification avec "leur" puit, engendrant

"their" well, thereby engendering a sense of responsibility for its care. An additional benefit from villager involvement albeit intangible is the enhancement of the villager's capacity to manage and control events which affect the welfare of their day-to-day living.

ainsi un sens de responsabilité pour son entretien. Un autre bénéfice tiré de la participation des villageois même si elle est insignifiante, est l'augmentation de la capacité des villageois à diriger et contrôler des événements qui affectent le bien-être de leur vie quotidienne.

3. SITE SELECTION CRITERIA

1. Each village well will be located so that regular and periodic maintenance can be efficiently performed.

2. The well sites selected must be jointly approved by the appropriate local authorities of the Government of Central African Republic (such as the Prefect, the Sub-Prefect, the Major, Chef de Canton or other designee), and designated representatives of Peace Corps. Sites submitted for approval must take into consideration the recommendations of the villagers concerned.

3. A village well may be constructed only in (a) village population centers and/or nearby (b) Health/Medical facilities, and/or (c) Education Facilities.

3. CRITERES DE SELECTION DES SITES

1. Chaque puit sera situé de manière qu'un entretien régulier et périodique puisse être assuré efficacement.

2. Les sites choisis doivent être approuvés conjointement par les autorités locales concernées de la République Centrafricaine (telles que le Préfet, le Sous-Préfet, le Maire, le Chef de Canton et autres personnes désignées), et par les représentants désignés du Corps de la Paix. Les sites soumis à l'approbation doivent prendre en considération les recommendations des villageois concernés.

3. Un puit de village ne peut être construit que (a) dans des centres de population villageoise et/ou près de (b) Centre Médico/Sanitaires et/ou (c) de centres éducatifs.

D. CONTRIBUTION OF THE GOVERNMENT OF THE CENTRAL AFRICAN REPUBLIC TO THIS PROJECT

As this project is a joint undertaking between AID, the Peace Corps and the Ministry of Public Works, the contributions of the Government of the Central African Republic are deemed crucial to the success of this project. Without them the installation, maintenance and extended utilization of the wells is not possible.

D. CONTRIBUTION DU GOUVERNEMENT DE LA REPUBLIQUE CENTRAFRICAINE A CE PROJET

Du fait que ce projet est une entreprise commune entre l'AID, le Corps de la Paix et le Ministère des Travaux Publics les contributions du Gouvernement de la République Centrafricaine sont jugées cruciales pour le succès de ce projet. Sans elles, l'installation, l'entretien et l'utilisation prolongée des puits n'est pas possible. Cependant, avec un

However, with routine maintenance, the small-bore capped wells financed by this project may last ten productive years.

entretien de routine, les puits à ouverture de petit diamètre financés par ce projet peuvent durer 10 ans.

The Government of the Central African Republic agrees to make the following contributions to this project and to take the actions below:

Le Gouvernement de la République Centrafricaine est d'accord pour apporter au projet les contributions, et prendre les mesures suivantes :

1) Establish a well drilling team within the Ministry of Public Works.

1) Etablir une équipe de forage au sein du Ministère des Travaux Publics

2) Designate six Government of Central African Republic employees to be trained in the installation of wells and the technology of maintenance. Salaries and travel costs for these Central African Government employees will be borne at the GOCAR. If future requirements dictate the need for an increase in the number of Central African employees, this Project Agreement will be amended to reflect the new personnel requirement.

2) Désigner six employés du Gouvernement de la République Centrafricaine pour les former dans l'installation des puits et la technologie de leur entretien. Les salaires et frais de déplacement de ces employés du Gouvernement Centrafricain seront à la charge de ce dernier. Si à l'avenir, le nombre des employés centrafricains doit être augmenté, suite à des besoins éventuels, cet Accord de Projet sera amendé en vue de spécifier les nouveaux besoins de personnel.

3) Provide at no cost to the Peace Corps, AID or the United States Embassy furnished office space suitable for the administration of this project.

3) Fournir gratuitement au Corps de la Paix, à l'AID ou à l'Ambassade des Etats-Unis des bureaux meublés convenant à l'administration de ce projet.

4) Provide at no cost to the Peace Corps, AID or the United States Embassy a warehouse, and indoor vehicle maintenance and mechanical workshops with facilities for the storage of tools, equipment and commodities in Bangui, Ndele and Bossangoa. The warehouse, workshops and storage facilities will be of sufficient size and with necessary utilities (e.g. electricity, water) and in

4) Fournir gratuitement au Corps de la Paix, à l'AID ou à l'Ambassade des Etats-Unis un entrepôt, et un atelier d'entretien mécanique des véhicules avec des magasins pour des outils, l'équipement et l'approvisionnement, à Bangui, Ndélé et Bossangoa. L'entrepôt, l'atelier et les magasins seront d'une taille suffisante et auront le confort nécessaire (par exemple, l'électricité, eau) et seront dans un état convenable pour faire face aux

suitable condition to efficiently meet the needs of the project.

5) Provide at no cost to the Peace Corps, AID or the United States Embassy water and electricity for the above warehouse and workshops in amounts as required.

6) Provide reliable 24-hour-a-day security guard service for the above warehouse and workshops for the life of the project.

7) Provide at no expense to Peace Corps, AID or the United States Embassy furnished housing for the Peace Corps Volunteers in Bossangoa and Ndele.

besoins du projet.

5) Fournir gratuitement au Corps de la Paix, à l'AID ou à l'Ambassade des Etats-Unis l'eau et l'électricité pour l'entrepôt et les ateliers ci-dessus, autant qu'il sera necessaire.

6) Fournir un service de gardiennage sûr 24 heures sur 24 pour l'entrepôt et les ateliers pendant toute la durée du projet.

7) Fournir gratuitement au Corps de la Paix, à l'AID ou à l'Ambassade des Etats-Unis des logements meublés pour les volontaires du Corps de la Paix à Bossangoa et à Ndélé.

E. CONTRIBUTIONS OF THE PEACE CORPS OF THE UNITED STATES TO THIS PROJECT.

In response to the request of the Government of the Central African Republic the Peace Corps will provide the services of six volunteers headed by a team leader in support of this project. The volunteers will undertake to train the members of the Central African Government's wells team in the techniques of small-bore well drilling, installation and maintenance. The volunteers will also participate in the administration of the project and in village and site selection as well as assist in the actual drilling, installing and maintaining of the small-bore wells.

While the volunteers will be implementing, they will also be instructing and their contribution to the project may be considered ended when their counterparts are fully trained. The volunteers will have

E. CONTRIBUTIONS DU CORPS DE LA PAIX DES ETATS-UNIS D'AMERIQUE

En réponse à la requête du Gouvernement de la République Centrafricaine, le Corps de la Paix fournira les services de six volontaires avec un chef d'équipe pour soutenir le projet. Les volontaires entreprendront la formation des membres de l'équipe de puisatiers du Gouvernement Centrafricain dans les techniques du forage, de l'installation et de l'entretien des puits à alésage réduit. Les volontaires participeront également à l'administration du projet et à la sélection des villages et des sites de mêmes qu'ils aideront véritablement au forage, à l'installation et à l'entretien des puits à alésage réduit.

En même temps qu'ils réaliseront, les volontaires instruiront également et leur contribution au projet pourrait être considérée comme terminée quand leurs équivalents seront entièrement formés. Les volontaires auront une

general experience in construction and motor vehicle maintenance and will have received special training in small-bore technology.

The services of the volunteers will be for at least two years. In addition to the services of the six volunteers, the Peace Corps will provide the services of a small-bore drilling technician for a period of less than six months. This technician will help establish the project.

F. CONTRIBUTION OF THE AGENCY FOR INTERNATIONAL DEVELOPMENT TO THIS PROJECT

Realizing that the limited foreign exchange available to the Government of the Central African Republic is required for other high priority projects, the Agency for International Development will contribute five hundred thousand dollars ($500,000) to this project of which four hundred and ninety-two thousand dollars ($492,000) is for the commodities listed below:

1. Vehicles, seven (7):
   I. Two (2) seven-ton trucks, for drilling rigs;
   II. Two (2) medium trucks;
   III. Three (3) one-ton trucks
2. Drilling Rigs, two (2);
3. Fuels, lubricants;
4. Vehicle Repair Parts;
5. Tools for equipment and vehicle maintenance;
6. Well components for 250 wells;
7. Maintenance materials for small-bore wells;

expérience générale en construction, et en entretien des véhicules et auront reçu une formation spéciale dans la technologie du forage de puits à alésage réduit.

Les services des volontaires dureront au moins deux ans. En plus des services des six volontaires, le Corps de la Paix fournira les services d'un technicien de forage pendant une période de moins de 6 mois. Ce technicien aidera à la mise en place du projet.

F. CONTRIBUTION DE L'AGENCE POUR LE DEVELOPPEMENT INTERNATIONAL A CE PROJET

Conscient du fait que les devises étrangères limitées dont dispose le Gouvernement de la République Centrafricaine, sont nécessaires à d'autres projets prioritaires, l'Agence pour le Développement International apportera une contribution de cinq cent mille dollars ($500.000) à ce projet, sur lesquels quatre cent, quatre-vingt douze mille dollars ($492.000) serviront aux matériels suivant :

1. Véhicules, sept (7) :
   I. Deux (2) camions sept tonnes, pour les appareils de forage;
   II. Deux (2) camions moyens;
   III. Trois (3) camions une tonne
2. Appareils de forage, deux (2);
3. Carburants, lubrifiants;
4. Pièces de rechange;
5. Outils pour l'entretien de l'équipement et des véhicules;
6. Pièces détachées pour 250 puits;
7. Matériel d'entretien pour les puits de petit diamètre;

8. Cement for well installation and maintenance;

9. Camping equipment;

10. Workshop equipment;

In addition to the commodities above, the Agency for International Development agrees to provide eighteen thousand dollars ($18,000) for the following items:

1. Volunteer in-country and international project related operational travel and related costs up to six thousand dollars ($6,000);

2. Miscellaneous operational and administrative local costs up to twelve thousand dollars ($12,000).

G. PROJECT EVALUATION

The Peace Corps will provide the Agency for International Development (AID) and the Government of the Central African Republic (GOCAR) with quarterly progress reports. Twelve months after the inception of the project, the Peace Corps will submit to AID and GOCAR an evaluation of the first twelve (12) months of project activity and each twelve (12) months thereafter for the life of the project.

Each evaluation will assess the success of the training aspects of the program as well as measure its physical achievements. The evaluation should also focus on the impact of the project on its beneficiaries.

8. Ciment pour l'installation et l'entretien des puits;

9. Matériel de campement

10. Matériel d'atelier

En supplément aux fournitures ci-dessu l'Agence pour le Développement International accepte de fournir dix-huit mille dollars ($18.000) pour les rubriques suivantes :

1. Frais de déplacement et autres en rapport avec le projet, dans le pays et hors du pays pour les volontaires jusqu'à concurrence de six mille dollars ($6.000);

2. Frais divers de fonctionnement et d'administration jusqu'à concurrenc de douze mille dollars ($12.000).

G. EVALUATION DU PROJET

Le Corps de la Paix fournira à l'Agenc pour le Développement International (AID) et au Gouvernement de la République Centrafricaine (GRCA) des rapports trimestriels sur la progression du projet. Douze mois après le démarrage du projet, le Corps de la Paix soumettra à l'AID et au GRCA une évaluation des douze (12) premiers moi d'activité du projet, de même que pour chaque période de douze (12) mois pendant la durée du projet.

Chaque évaluation témoignera du succès des aspects de formation du programme de même qu'elle mesurera ses réalisations physiques. L'évaluation devra aussi porter sur l'impact du projet su ses bénéficiaires.

H. MISCELLANEOUS

The following project implementation orders/commodities (PIO/Cs) are made part of this agreement by references:

PIO/C-676-202-6-0001
PIO/C-676-202-6-0002
PIO/C-676-202-6-0003
PIO/C-676-202-6-0004
PIO/C-676-202-6-0005
PIO/C-676-202-6-0006
PIO/C-676-202-6-0007
PIO/C-676-202-6-0008
PIO/C-676-202-6-0009
PIO/C-676-202-6-0010
PIO/C-676-202-6-0011
PIO/C-676-202-6-0012

2. This Project Agreement is prepared in English and in French. The English version shall be considered controlling for purposes of interpretation.

H. DIVERS

Les autorisations d'achat suivantes, à l'exécution du projet, font partie du présent accord sous les références suivantes :

PIO/C-676-202-6-0001
PIO/C-676-202-6-0002
PIO/C-676-202-6-0003
PIO/C-676-202-6-0004
PIO/C-676-202-6-0005
PIO/C-676-202-6-0006
PIO/C-676-202-6-0007
PIO/C-676-202-6-0008
PIO/C-676-202-6-0009
PIO/C-676-202-6-0010
PIO/C-676-202-6-0011
PIO/C-676-202-6-0012

2. Cet Accord de Projet est rédigé en Anglais et en Français. En cas de divergences d'interprétation, seul le texte anglais fera foi.

Proj. No. 6760202

ACTION MEMORANDUM TO THE ASSISTANT ADMINISTRATOR FOR AFRICA

THRU: AFR/DP, Mr. Robert Huesmann

FROM: AFR/CWR, Mr. David Shear

SUBJECT: Relief and Rehabilitation Program for the Central African Republic

PROBLEM: The northern region of the Central African Republic is experiencing drought aggravated symptoms of environmental degradation. Short term relief in water resources development could significantly improve the lives of the people in this region. This action memorandum (a) requests your authorization to use $500,000 under the Disaster Relief Assistance Appropriation (639A) for an activity in water resource development; (b) requests your approval to establish a PAAD in the amount of $500,000 for CAR; and (c) requests your approval to initiate a Project Agreement for an equal amount.

DISCUSSION: Although the impact of the drought on the Central African Republic was not of the magnitude experienced by her northern neighbors, the northern regions of the country did suffer from a severe shortage of potable drinking water which had a direct effect on the general health conditions of the region. When the CAR officials became aware of the deteriorating health conditions and prevalence of diseases in the northern region, the Government turned to the U.S. for assistance in the development of a well drilling project given the country's own inability to alleviate the problem without external help.

In responding to this request the RDO/Y conducted a survey to confirm the need for a well drilling project and to determine if such a project would be feasible. After the survey the RDO/Y concluded that there was a great need for such a project but before recommending final approval deemed it necessary to find out (1) the depth of the aquifer layer (to assure that a permanent flow of water could be obtained from the wells) and (2) the composition of the laterite (to determine whether the laterite composition found in most areas could be penetrated using the same drilling techniques as utilized in the R and R well drilling project in Chad).

Your approval of the funding of a test well drilling operation to determine the situation with respect to these two above points was obtained by a memorandum dated March 18, 1975 (a copy of this memorandum is attached). The test operation, conducted by an AID direct hire drilling engineer, verified that the aquifers are sufficient in thickness and have adequate water to justify the establishment of small bore wells in the northern region of CAR.

A sample of the laterite composition was sent to a U.S. company, Acker Drilling Company, for analysis. This company has confirmed that the laterite can be penetrated with the equipment proposed and recommended utilization of the techniques currently being used in the Chad well project.

Based on these findings, a determination has been made that the well drilling program as proposed by the field is fully justified and feasible. It is anticipated that over a period of two years 250 wells for human consumption will be drilled and equipped with hand pumps.

This project will be implemented in such a way as to ensure that the local government agency which will be responsible for project implementation is totally involved and ultimately responsible for the maintenance function of the project. The Central African Republic inputs will be designed in such a manner to ensure that local resources are available and personnel are trained to continue well maintenance activities once AID funding has ceased. Specifically, it is proposed that these local government inputs will include: (1) adequate warehouse and workshop space, (2) local counterparts' salaries, (3) fuel and lubricants for the two repair team vehicles, and (4) office furnishing for well records and administration. If approved the project will be supervised and operated by Peace Corps and CAR officials. A copy of the project proposal is attached hereto.

Since the CAR R and R program for which we are seeking approval will consist of only one project, the major cost component of which will be drilling and well equipment of U.S. origin which can more easily be purchased through normal PIO/C procedures, we are recommending entering into a Project Agreement with CAR rather than the customary Grant Agreement.

Most of this funding will be used to procure drilling equipment, valued at $280,000, and vehicles and spare parts estimated to cost approximately $180,000. Drilling equipment will be procured in the U.S.; vehicles and spare parts for the project will not be manufactured or procured in the U.S.

As you know, the use of disaster relief funds was authorized by Congress under Section 639A(b) of the Foreign Assistance Act of 1961, as amended(the "FAA"),"notwithstanding any prohibitions or restrictions contained in this or any other Act." Thus, the statutory procurement requirements of Sections 604(a) and 636(i) of the FAA are not applicable when such disaster relief funds are used. It is not necessary , therefore, that

procurement waiver procedures and standards be applied in this case, but rather, only that you authorize such procurement.

Procurement from the free world (935) is recommended for the purchase of the vehicles required for project implementation for the following reasons:(1) local maintenance facilities and spare parts availabilities do not permit timely maintenance and repair services for U.S. vehicles in CAR; (2) in a recent conference between State, AID officials and U.S. manufacturers, the latter indicated that they have been unsuccessful in developing outlets in West Africa. A copy of this memorandum of conversation is attached hereto; and (3) the vehicles of Code 935 source currently in use in the CAR have proven most suitable, efficient and reliable under the harsh road conditions and gruelling climate.

RECOMMENDATION: We recommend that you (a) approve the use of $500,000 of disaster relief funds authorized under Section 639A(b) of the FAA for this short term water development project, (b) authorize the procurement of vehicles and spare parts for this project in Code 935 countries, (c) approve the establishment of a PAAD for CAR in the amount of $500,000 and (d) approve the execution of a Project Agreement with CAR for an equal amount. The PAAD is attached for your signature if you approve this request.

Attachments: a/s

Drafted:AFR/CWR:YJohn/SER/ENGR:BGriffin
bc:6/19/75
Redrafted:AFR/CWR:YJohn:YJ:8/25/75
Clerances:
AFR/CWR:JMcLaughlin(draft)
AFR/CWR:ICoker
GC/AFR: STisa SET
DAA/AFR:DBrown

APPROVED
DISAPPROVED
DATE AUG 26 1975

CLASSIFICATION:

AID 1120-1 (8-66)

PAAD

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

PROGRAM ASSISTANCE
APPROVAL DOCUMENT

1. PAAD NO.: 9

2. COUNTRY: Central African Republic

3. CATEGORY: Project Assistance

4. DATE: June 9, 1975

5. TO: Samuel C. Adams, Jr.
Assistant Administrator for Africa

6. OYB CHANGE NO.: N/A

7. FROM: David Shear, Director
AFR/CWR

8. OYB INCREASE: N/A
TO BE TAKEN FROM: N/A

9. APPROVAL REQUESTED FOR COMMITMENT OF: $500,000

10. APPROPRIATION - ALLOTMENT:

11. TYPE FUNDING: ☐ LOAN ☒ GRANT

12. LOCAL CURRENCY ARRANGEMENT: ☐ INFORMAL ☐ FORMAL ☒ NONE

13. ESTIMATED DELIVERY PERIOD: August 1976

14. TRANSACTION ELIGIBILITY DATE: PAAD Authorization Date

15. COMMODITIES FINANCED

Commodities eligible for A.I.D. financing as set forth in Attachment A, M.O. 1454.3.1 A.I.D. Commodity Eligibility Listing

16. PERMITTED SOURCE

U.S. only: $288,000 (Drilling Equipment)
Limited F.W.:
Free World: $180,000 (Vehicles-Spare parts)
Cash: 935

17. ESTIMATED SOURCE

U.S.:
Industrialized Countries:
Local: $25,500
Other: 935

18. SUMMARY DESCRIPTION

The proposed assistance provides supplementary financing to the Government of the Central African Republic for the purpose of conducting relief and rehabilitation activities designed to assist in mitigating or forestalling emergency conditions created by the Sahelian Drought.

The program reflects a relief need which cannot presently be met by the Government without external assistance. The primary purpose of A.I.D. assistance will be to augment the capacity of the Central African Republic to permit it to undertake a water development program which is urgently required to deal with its post drought conditions.

A description of the proposed Relief and Rehabilitation project is attached hereto.

19. CLEARANCES

	DATE
AF/W:KPyle (subs)	
AFR/CWR:CCapoferri	
GC/AFR: STisa	
AFR/DP:RHuesmann	
AFR/CWR:ICoker	
AFR/CWR:DShear	
DAA/AFR:DBrown	

20. ACTION

☒ APPROVED ☐ DISAPPROVED

AUG 26 1975

AUTHORIZED SIGNATURE DATE

Assistant Administrator, Africa Bureau
TITLE

CLASSIFICATION:

MAR 1 7 1975

ACTION MEMORANDUM FOR THE ASSISTANT ADMINISTRATOR FOR AFRICA

THRU: AFR/DP, Mr. Robert Huesmann

FROM: AFR/CWR, David Shear

SUBJECT: To Conduct Core Drilling Operation in Central Africa Republic - Request for Funds

PROBLEM: To request authorization to use $10,000 under the project Development Studies in the Sahel-Sudano Zone to finance the costs of core drilling operations in the northern regions of Central African Republic to determine the viability of small bore wells.

DISCUSSION: Central African Republic was not as adversely affected by the recent drought in the Sahel as her neighbors and hence is not one of the countries currently receiving U.S. assistance for relief and rehabilitation projects. However, the northern region of the Central African Republic is experiencing drought aggravated symptoms of environmental degradation. Particularly affected are the rural village water supplies with consequent adverse effect on health conditions and disease prevalence.

During our review of relief and rehabilitation proposals submitted by our field staff, a well development project for northern Central African Republic was tentatively approved subject to clarification that such water development would be primarily for human consumption. To confirm this fact and to determine the viability of mounting a small bore well program in Central African Republic for human consumption, a team which included Mr. Gribbin, Economic/Commercial Officer American Embassy Bangui, Mr. Kimmins, Director Peace Corps in Bangui, Mr. Mitchell, Peace Corps volunteer stationed in Chad (the proposed project would be similar to the relief and rehabilitation well drilling project in Chad which he supervises), and Mr. Slocum, Assistant Program Officer from A.I.D.'s Yaounde staff conducted an investigation of the affected area.

The team visited the northern regions of Central African Republic with the exception of the northeast region around Birao from December 12 to December 22. Virtually all areas visited contained primitive or natural water supply systems - open wells or bodies of water - almost all of which were contaminated and many of which completely dried up during the drought. Diseases such as dysentery, parasites, worms and bilharzia were rampant among the general population. Children were the prime victims. There are over 100,000 men, women and children living in the areas visited. The team concluded that the hydrogeological features in northern Central African Republic are similar to those in Chad and that small bore tube techniques - techniques used in Chad's Relief and Rehabilitation well project - could be used in Central African Republic.

Prior to final approval, however, the team recommended that a core drilling operation be conducted for purpose of determining scientifically the depth

ACTION MEMORANDUM FOR THE ASSISTANT ADMINISTRATOR FOR AFRICA

of the aquifer layer. It was also felt necessary to ascertain the type of drill heads needed to penetrate the laterite layer which characterizes this area. Mr. Bennie Griffin of SER/ENGR will supervise this operation and his travel and related costs will be paid from the RDO/Yaounde Operating Expenses budget. The $10,000 requested herein would provide for the following: small tools, $500; drilling operations for 35 days, including truck rental for transport of drill, fuel, and equipment for core sampling, $8,800; driver and other local labor for 35 days, $700.

RECOMMENDATION: That you approve the use of $10,000 under the Project Development Studies in the Sahel-Sudano Zone for core drilling operations in the northern regions of Central African Republic.

APPROVED _____

DISAPPROVED _____

DATE March 18, 1975

Drafted:AFR/CWR:YUolin:bfc:3/14/75

Clearances:

AFR/CWR:JMcLaughlin(draft)
AFR/CWR:CCapoferri(draft)
AFR/CWR:ICoker _____
SER/ENGR:BGriffin(subs)
AA/AFR:DBrown _____

PROJECT PROPOSAL

Project Purpose: To provide the recently drought-affected population of the northern regions of the Central African Republic with approximately 250 small-bore tube wells supplying a twelve-month source of potable water.

Project Description: This project would install 250 wells in population centers of northern CAR. To accomplish this , it will be necessary to keep two installation teams in the field for approximately 125 week period. With time allowed for machinery breakdowns, travel between well sites,rig set-up time,unusually difficult drilling conditions, "dry" holes and materials (especially cement) shortages, it should be possible for each of the two teams to average one completed well per week.

Each team would be composed of a 5-7 ton truck with a medium-sized drilling rig and 250 gallon water tank mounted. To support this unit logistically, a three to four-ton truck would ensure that the team is continually supplied with cement, pipe, foodstuffs, well components, etc. whose on-site presence is necessary to allow the drilling rig maximum "over-the-hole" time. Additionally, a one-tone all-terrain vehicle, such as a Land Rover or Toyota, will be needed for administrative support, light-weight logistics, and periodic repairs.

In view of the severity of the rainy season and the length of time needed to recondition roads after its end, all vehicles should be equipped with four-wheel drive.

The manpower component for each team will be two trained Peace Corps Volunteers and three Central African counterparts. As the hydrological aspects of this well design are relatively easy to learn, the Central African counterparts will be recruited with emphasis on driving ability and mechanical experience. As each of the two repair teams becomes active, each will require one trained Peace Corps Volunteer and two Centeral African counterparts.

Maintenance is probably the most important single component of this activity, since it assures long well life and continued provision of water to thepopulation. Succinctly stated, any moving mechanism requires periodic maintenance. Though moving parts have been kept to a minimum, examination of piston leathers, vale poppets, and pump handles should be done on a four to six month basis for each well. If the maintenance visits are faithfully done, at least 90 percent of these wells should continuously be operating during their first five years. At the end of the installation schedule, the project budget (see below) will provide for a five year supply of repair and replacement parts.

This project must be implemented in such a way as to ensure that the local government agency un der which this project is implemented considers itself totally involved in and ultimately responsible for the maintenance function. Central African inputs are designed such that local resources are well established and trained to continue maintenance activities once AID funding has ceased. Specifically, these local government inputs should include: (1) adequate warehouse and workshop space, (2) local counterparts' salaries,

(3) fuel and lubricants for the two repair team vehicles, and (4) office furnishings for well records and administration.

Budget:

The following budget attempts to anticipate all areas of AID financed project aspects, making allowance for the current world inflationary situation and the Central African Republic's geographic remoteness in terms of transportation and communications.

I. Vehicles (including optional equipment)'	
A. Two 7 tone trucks:diesel engine;four wheel drive (for drilling rig)	$ 50,000
B. Two 3-4 ton trucks for logistics support,four wheel drive	37,500
C. Two 1 ton pick-up trucks, four wheel drive (Land Rover, or Toyota)	32,500
II. Two drilling rigs similar to the Acker ADII complete with drilling accessories, three years of spare parts, and ocean freight charges via Douala, Cameroon to Bangui, Central African Republic	80,000
III. Fuel, lubricants, and vehicle maintenance (for installation vehicles)*	60,000
IV. Tools for vehicles' maintenance and wells installation (includes transport)	15,000
V. Wells components for 250 wells	180,000
VI. Maintenance materials for 5 years	28,000
VII. Camping equipment	2,000
VIII Trip to USA for one well team member to visit suppliers and manufacturers	6,000
IX Preparation of workshop	5,000
X. In-the-field inspection of all proposed well sites	2,500
XI. Administrative Expenses	1,500
	$500,000

*GOCAR will be asked to provide POL for the repair team vehicles.

Implementation Schedule

The following project time table covers the main points of this proposed water development project. Month number one commences when funds become disbursable at Bangui.

Activity	Month Implementation
1. Request pro forma invoices for all materials (upon notification of project approval)	
2. Orders placed for all commodities	1-2
3. Search for Central African counterparts	2-3-4
4. Field trip to examine and finalize well sites	3-4
5. Preparation of warehouse/workshop	5
6. In-country arrival of commodities via surface freight	6-7-8
7. Preparation of pump stands and drilling equipment; began training of counterparts	7-8-9
8. Commencement of well installation	10
9. Commencement of repair team activities	17
10. End of wells installations	40

AID-1370-1 (8-83)

PIO/C

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

PROJECT IMPLEMENTATION ORDER/COMMODITIES

☐ Worksheet ☒ Issuance

PAGE 1 OF 1 PAGES

1. Cooperating Country: CENTRAL AFR. EMPIRE

2. PIO/C No.: 676-202-6-60007

3. Project/Activity No. and Title: 676-0003 (676-11-130-202) C.A.E. RURAL VILLAGE WELLS

4. Appropriation Symbol: 72-11X1031

5. a. Allotment Symbol & Charge: 431-52-676-00-53-83

5. b. Funds Allotted To: ☐ AID/W ☒ Mission

6. Obligation Status: ☐ Administrative Reservation ☒ Obligation By Agreement

7. ☐ Original or Amendment No: 2

8. Authorized Agent: See Block 19

9. Method of Financing: a. ☐ U.S. Government b. ☒ Letter of Commitment c. ☐ Reimbursement

10. Banking Institution: Direct Letter of Commitment

11. Approved Applicant:

12. Contracting Period (Mo., Day, Yr.) From: To:

13. Delivery Period (Mo., Day, Yr.) From: To: 9/30/77

14. Fine Contribution Date (Mo., Day, Yr.) 6/30/80

15. Area of Source: Special Free World (935) (See Para G.)

16. Dollar Value

A. Previous Total	B. Increase	C. Decrease	D. Total to Date
28,000			28,000

17. Commodity Code	18. Item No.	19.a. Quantity, Description, Specifications, Instructions and Special Provisions (Include Catalog Name and Number, where Appropriate)	19.b. Estimated Cost
		BLOCK 8 - Government of Central African Empire acting through AAPC, Inc., One World Trade Center, Suite 1271, New York, New York 10048 To amend time for presentation of documents only to January 31, 1978. All other provisions remain the same.	
		(See Authority and Letter of Commitment on Reverse) TOTAL:	

20. Mission References

21. Mission Clearances	Date	Mission Clearances	Date

22. Date of Original Issuance: December 11, 1975

23. Date of this Issuance: January 5, 1978

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

SIGNATURE DATE

TITLE

25. For the Agency for International Development

Alfonse C. Schmeisser Jr.

SIGNATURE

For the Administrator

TITLE

GPO 929-993

AID-1370-1 (8-83)

PIO/C

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

PROJECT IMPLEMENTATION ORDER/COMMODITIES

[ ] Worksheet [X] Issuance

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4. Appropriation Symbol: 72-11X1031

5. a. Allotment Symbol & Charge: 431-52-676-00-53-83

5. b. Funds Allotted To: [ ] AID/W [X] Mission

6. Obligation Status: [ ] Administrative Reservation [X] Obligation By Agreement

7. [ ] Original or Amendment No: 2

8. Authorized Agent: See Block 19

9. Method of Financing: a. [ ] U.S. Government b. [X] Letter of Commitment c. [ ] Reimbursement

10. Banking Institution: Direct Letter of Commitment

11. Approved Applicant:

12. Contracting Period (Mo., Day, Yr.) From: To:

13. Delivery Period (Mo., Day, Yr.) From: To: 9/30/77

14. Final Contribution Date (Mo., Day, Yr.) 6/30/80

15. Area of Source: Special Free World (935) (See Para G.)

16. Dollar Value

A. Previous Total	B. Increase	C. Decrease	D. Total to Date
28,000			28,000

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SIGNATURE DATE

TITLE

25. For the Agency for International Development

[signature]

SIGNATURE

For the Administrator

TITLE

GPO 929-993