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PROJECT ASSISTANCE COMPLETION REPORT

IRRIGATION AND WATER MANAGEMENT I PROJECT
NO. 685-0280

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EXECUTIVE SUMMARY

The Irrigation and Water Management I Project was approved on 20 August 1985, but initial field implementation did not start until January 1986. Due to subsequent implementation delays caused by lengthy contract negotiations and difficulties in mobilizing the long-term technical assistance team, the Project Assistance Completion Date (PACD) was extended from 30 September 1990 to 30 September 1992. The Irrigation Project was a follow-on activity to USAID's support to the Government of Senegal's irrigated farming activities initiated in collaboration with SAED and Bakel farmers under the Bakel Small Irrigated Perimeters Project (BSIP), from 1977 to 1985. The strategy of the Irrigation Project was to correct the technical problems noted in the BSIP by improving the quality of the design and construction of irrigation systems, and to involve the private sector in irrigation development and agriculture support services, i.e. transportation and marketing of agricultural produce, provision of inputs, etc., in order to demonstrate the technical and financial feasibility of irrigation. The project fit within the Government of Senegal's agricultural development policy (NAP) which called for accelerated development of irrigation, transfer of increased management responsibilities to farmers and greater private sector involvement.

The project provided a total of 22 person-years of long-term technical assistance including direct personal services and institutional contracts, 20 person-months of short-term consultancies; it funded the design and construction of 239 hectares of irrigation systems, and the rehabilitation of 50 hectares of existing systems; it constructed an office building for the long-term technical assistance and their counterparts; it provided funds for the renovation of six housing quarters for the technical assistance staff residing in Bakel, for the operation of the demonstration farm and for the establishment of a socio-economic monitoring system of irrigation systems in the project area. The project also financed 12 socio-economic studies completed by short-term consultants, a general feasibility study on medium-scale irrigation systems, a study on land tenure issues in the Bakel area, a training program for 191 farmers, two observation tours for 16 farmers, third country training for 1 SAED Administrative Officer, and an IQC Contract for the project's mid-term evaluation.

However, following five years of implementation, the project failed to achieve its major objectives : there was no private sector involvement in irrigation development and agricultural services, a financially viable irrigation prototype was not developed and replicated by farmers, and no technical improvements were made in the quality of the design and construction of the project-supported irrigation systems. As a result of this unfortunate situation, farmers' incomes, employment and agricultural production did not increase in the Bakel area.

Based on the recommendations of the June 1990 mid-term evaluation, the Mission and the Government of Senegal (GOS) determined that it was no longer desirable to continue implementing the project. On 4 October 1990, the Mission and the GOS formalized their agreement of early termination of the project which took effect on 31 March 1991.

1. BACKGROUND:

Irrigated agriculture was introduced in the early 1970s by local farmers into Bakel, the region furthest upstream on the left bank of the Senegal River, at the confluence of the Senegal and Faleme Rivers. The implementation of the Bakel Small Irrigated Perimeters Project (BSIP) from 1977 to 1985 marked USAID's first intervention in support of the Government of Senegal (GOS)'s efforts to promote irrigated agriculture in response to declining food production caused by recurrent droughts. The BSIP provided technical assistance, commodities and funded the construction of 1,250 hectares of irrigated perimeters in 23 villages along the Senegal and Faleme rivers. In 1982 and 1985 the BSIP was evaluated. The recommendations from these evaluations encouraged USAID to proceed with its plans for an innovative approach to irrigated farming in the Bakel Region. The evaluations revealed that the public sector design and construction of irrigated perimeters in this remote region were unsatisfactory and concluded that the potential for private sector support to profitable irrigated farming in the Bakel region was encouraging. They emphasized that Bakel was suitable for continued irrigation development. These conclusions were also based on expectations that private sector interventions would have substantial impact on improving rice production yields and controlling the costs of providing irrigation water for crops.

In addition, in 1984, USAID/Senegal welcomed the GOS's New Agricultural Policy (MAP). This plan greatly reduced the role of the Société d'Aménagement et d'Exploitation des terres du Delta du Fleuve Sénégal et des vallées du Fleuve Sénégal et de la Falémé (SAED), the regional development authority responsible for the development of irrigated agriculture over the entire left bank of the Senegal River Valley i.e. from Saint-Louis to Bakel. Under the new policy, SAED was to retain its functions as a planning, monitoring and extension organization. It was, however, given the mandate to start transferring its responsibilities for the design, construction and operation of irrigation perimeters, the provision of agricultural inputs and the marketing of crops, to private firms and farmer groups.

It was in this context that the Project Paper for the Irrigation and Water Management Project was first drafted. It took into consideration the recommendations of the BSIP evaluations and the role the private sector was to be given under the New Agricultural Policy. USAID/Senegal authorized the Bakel Project by approving the Project Paper on 20 August 1985, with an original Project Assistance Completion Date (PACD) of 30 September 1990 and a Life of Project (LOP) funding of \$8.5 million. The PACD was subsequently extended to 30 September 1992 and the LOP funding increased to \$9.5 million, in April 1989, based on a Mission assessment of the project status and its likelihood to achieve its objectives.

2. PROJECT DESIGN

The Irrigation and Water Management I Project was designed in 1985 as a continuation of USAID's support to irrigation development in the Bakel area in the wake of the Bakel Small Irrigated Perimeters Project. Farmer interest and participation in irrigation was high under the BSIP, and it was believed that this was a key factor for further irrigation development in the Bakel area. Emphasis was placed on correcting the previous design and construction problems experienced under the BSIP, and bringing about greater private sector involvement. The ultimate goal of this new approach was to raise the economic performance of village irrigation systems in order to establish a viable irrigated perimeter prototype which would be adopted and expanded by private initiative.

The following assumptions were explicitly incorporated into the design of the Irrigation and Water Management I Project:

a) Private sector involvement in irrigation system construction

It was anticipated that the private sector would be involved in irrigation system construction based on the assumption that local contractors existed and would be able to construct irrigation systems in the Bakel Delegation.

b) Private Sector Involvement in Agricultural Services

It was also anticipated that the private sector would eventually become involved in the provision of the full range of agricultural services, from the sale of inputs to the purchase of farm produce, as well as such activities as irrigation system maintenance, tractor services, pump repair, and transport.

c) Replication of Private Sector Involvement

Lastly, it was assumed that the private sector involvement in the development of small irrigation systems (PIVs) and PIV crop production activities would provide a viable model that would be replicated throughout the Senegal River Valley.

During the 1985-1986 start-up period, the Mission did not have the resources to verify the project assumptions, especially concerning crop production rates and water pumping costs in the Bakel Region, as well as the potential for attracting or developing a local private sector intervention. Thus, an independent design specialist was contracted to finalize the Project Paper, and neither an economist nor an irrigation engineer was involved in the design phase. Neither did the Mission require the design specialist to carry out a thorough field investigation to verify all available data. In fact, the specialist only spent several hours in Bakel prior to drafting the final Project Paper. He took for granted the data which were available concerning production rates, water costs and the potential for private sector interventions in the region. Most of these data were found in the reports that were issued under the BSIP and were inaccurate and misleading. And unfortunately, prior to approving the Project and signing the Grant Agreement, the Mission failed to verify the design assumptions. Moreover, an in-depth review was not completed during the critical eighteen-month start-up phase. Thus, negotiations of a \$3.8 million technical assistance contract were initiated for an activity which had not been proven to be feasible.

3. PROJECT DESCRIPTION

The Irrigation and Water Management I Project was to provide for accelerated development of village-scale irrigated perimeters, feasibility analysis of a medium-scale farmer-operated perimeter prototype, and strengthening of SAED capacity for development planning, evaluation and oversight of private sector contracts for irrigation design and construction. The project was to provide assistance in resolving key questions of system design, land tenure and appropriate mechanization for expansion of irrigation in the Senegal River Basin. The project was planned to combine with other donor resources and fit within the development strategy of the Government of Senegal in accelerated development of the left bank of the Senegal River Valley and more importantly, to assist in significantly expanding the role of the private sector.

(a) Project Goal

To increase food production, employment and incomes in the Senegal River Basin.

(b) Project Purpose

To expand and improve village-level irrigated farming in Bakel, and to encourage private sector participation than can be replicated throughout the Senegal River Basin.

(c) Project Objectives

- (1) Irrigated agriculture practiced on 2,000 hectares with a crop intensity of 1.5 crops per irrigated hectare per year;
- (2) Agricultural inputs and services supplied by private sector enterprises through local outlets;
- (3) More commercial production or farm surpluses available at more reasonable prices through private market channels;
- (4) The bulk of agricultural construction, improvement and maintenance services provided by local contractors.

(d) Planned Project Outputs

- (1) 400 hectares of village irrigation systems rehabilitated;
- (2) 800 hectares of land added to existing irrigation systems or developed as new systems;
- (3) A feasibility study for a medium-scale irrigation system that would be appropriate for the terrain and soil types of the Middle and Upper Valleys;
- (4) Recommendations (reports/studies) for improvement of infrastructure, agricultural input and marketing services, and for land tenure;
- (5) Improved on-going training programs in place in Bakel for pumping operations and operation and management of irrigation systems; and
- (6) Animal traction methodology in use in the region's agriculture involving not less than an estimated 100 pairs of oxen.

(e) Planned End-of-Project Status

- (1) Villages economically operating and maintaining 70% of the irrigation systems constructed in Bakel;
- (2) Villagers farming 2,000 hectares of irrigation systems in a profitable and efficient manner;
- (3) Irrigated farming practiced with an annual cropping intensity of 1.5 crops per hectare;

- (4) The private sector providing 80% of the agricultural inputs at a reasonable price;
- (5) The private sector marketing 50% of the surplus crops.
- (6) The private sector successfully designing and constructing irrigation systems in the Bakel area.

4. PROJECT IMPLEMENTATION ACTIVITIES

The project was implemented in two distinct phases: (1) an interim implementation phase from January 1986 through February 1988 with technical assistance provided by personal services contractors previously working under the BSIP and who continued to be available, and (2) a follow-on phase, from March 1988 to September 1990 with a five-person technical assistance team backed up by short-term consultants, provided by HARZA Engineering Company under a host-country contract between SAED and HARZA.

The following project implementation activities were carried out:

(a) Design and Construction:

As a result of inadequate field investigations and contacts with SAED, the host-country implementing agency, and the Ministry of Rural Development (MRD), the project design did not take into consideration the primary development priority for the Bakel Region. The MRD's goal was the construction of new irrigation systems at all costs. Thus, upon the signing of the Grant Agreement, SAED promptly initiated a force account design and construction program, the second most expensive component of the Bakel Project.

From 1986 to 1988 the Bakel Project funded the construction of 239 hectares of new irrigation perimeters and the rehabilitation of another 50 hectares of existing systems under a SAED force account program implemented by SAED's construction division, "Regie". This included:

	<u>Construction</u>	<u>rehabilitation</u>	<u>Total</u>
(1) 1986	50 has.	50 has.	100 has.
(2) 1987	98 has.	-	98 has.
(3) 1989	<u>91 has.</u>	<u>-</u>	<u>91 has.</u>
Total	239 has.	50 has.	289 has.

The Bakel Delegation was responsible for the design of irrigation systems and the management of the force account construction program implemented by "Regie". Owing to the junior to mid-level status of the technical staff assigned to the Bakel Delegation, supervision of system construction was less than satisfactory, even after the arrival of the technical assistance team in 1988. In 1986 and 1987, quality design criteria for the project's irrigation systems were introduced by the former BSIP Irrigation Engineer who continued to work under a project-funded personal services contract. His recommendations, however, were not always followed by SAED technicians who often failed to meet the project deadlines for irrigation construction.

The construction and rehabilitation program, which was funded by USAID under fixed amount reimbursement (FAR) arrangements cost \$568,084. The Project also funded the procurement and installation of 18 pump sets for a total cost of \$330,299. In addition, SAED constructed over 500 hectares of new systems with its own funds between 1986 and 1990. "Regie" undertook all construction and rehabilitation activities. The general quality of the construction and rehabilitation program was substandard. SAED did not provide adequate supervision of its force account construction program undertaken by "Regie". Moreover, SAED did not use selection criteria, and the sites selected in many cases were not suitable for irrigation. Many completed systems were not properly leveled and irrigation canals were often poorly constructed. Because of poor construction of irrigation systems by SAED, over 500 hectares were abandoned by farmers and the remaining 1,400 hectares were farmed at a very low cropping intensity; i.e. 0.7 to 0.8 crop/hectare/year.

In addition to the irrigation construction program, a 14-hectare demonstration farm which had ceased its activities in 1986 and 1987 due to SAED's lack of funds was reactivated under the project by the HARZA T.A. team in 1988 and 1989. Two amendments to the SAED/HARZA Contract for a total cost of \$112,466 were issued to cover salaries for labor and farm commodity expenses. The farm was run by the HARZA Agronomist assisted by his SAED counterpart and 14 temporary workers.

The project also funded the construction of an eight-room office building at the SAED-Bakel Base and financed the renovation of six housing quarters, including five permanent houses and one guest house, for the HARZA technical assistance team. A total amount of \$112,520 was spent to complete both activities, i.e. \$77,704 for the Office building, and \$34,816 for house renovations. The house renovations were completed under a \$8,886 direct USAID Contract with a Dakar-based U.S. Contract support firm, Multi Services International (MSI), from 21 March 1988 to 21 November 1988. The Bakel office building was contracted by SAED to a Saint-Louis-based contractor, Entreprise de Menuiserie et de Construction (EMCSL). The host country contract work was carried out between June and December 1988.

(b) Technical Assistance:

(1) Personal Services Contracts

Prior to the arrival of the technical assistance team, three personal services contracts were funded under the project between January 1986 and March 1988 for interim implementation; and later on, from 1988 thru March 91, two additional personal services contracts were provided for technical coordination and monitoring of the project. These contracts included the following:

(1) Extension Specialist,	1 Jan. 86 - 31 Dec. 86 :	\$114,599
(2) Irrigation Engineer,	1 Jan. 86 - 31 Dec. 87 :	213,892
(3) Agronomist,	1 Jan. 86 - 31 Dec. 88 :	424,550
(4) Agronomist,	1 Jan. 89 - 31 Jan. 90 :	190,156
(5) Project Coordinator,	1 March 88 - 31 March 91:	92,937
		<u>\$1,036,134</u>

The interim technical assistance permitted limited system improvements, design and construction of 239 hectares of new irrigation systems, rehabilitation of 50 hectares of existing systems, and extension training for project farmers. It also provided for inter-agency evaluation and project monitoring.

(2) Long-term technical assistance - Harza Contract

Although the request for proposals for the long-term technical assistance for the Bakel Project was issued on 1 January 86, the contract with the HARZA Engineering Firm was not signed until 5 April 88. This two-year delay was the result of several factors: difficulties in attracting qualified technicians for the very remote and uninviting Bakel Region; scarcity of competent irrigation specialists with French Language capabilities; unacceptable financial proposals; protracted financial negotiations between SAED and HARZA and difficulties in incorporating the GOS and USAID legal requirements in a single host country contract using the two envelope system; i.e. cost and technical proposals in one package.

On 5 April 1988, a cost reimbursement technical assistance contract with a fixed fee was signed between SAED and HARZA Engineering Company based in Chicago, Illinois. The contract was subsequently amended four times; the first three amendments provided additional funds. The fourth amendment provided internal line item readjustments at no extra cost to the contract. The following table provides further details:

<u>Contract/Amendments</u>	<u>Date</u>	<u>Amount</u>	<u>Purpose</u>
Original Contract	April 5, 1988	\$3,285,539	Technical Assistance and Feasibility Study
Amendment No. 1	January 12, 1989	444,723	Pre contract expenses, Housing, FAAS, Office Furniture and Field Equipment and Materials
Amendment No. 2	May 22, 1989	57,891	Demonstration Farm Commodities
Amendment No. 3	May 22, 1989	54,575	Demonstration Farm Labor
Amendment No. 4	September 26, 1990	0	Internal readjustment of budget line items, at no extra costs.

A total of 142.5 man-months of long-term technical assistance were provided under the SAED/HARZA Contract as follows:

<u>Titles</u>	<u>Period of employment under the project</u>
- Chief of party (HARZA)	- March - August 1988
- Operations Engineer (HARZA)	- April - November 1988
- Administrator (DEVRES)	- June 1988-September 1990
- Rural Development Specialist (ARD)	- July 1988-August 1990
- Agronomist (ARD)	- July 1988-August 1990
- Replacement Chief of Party (HARZA)	- Sept. 1988 - Sept. 1990
- Replacement Operations Engineer (HARZA)	- March 1989 - August 1990

(3) Short-term Consultancies

The HARZA contract provided 20 person-months of short term consultancies and 6.5 person-years of long-term staff services under four subcontracts with U.S. firms for a total cost of \$1,366,546. These were:

(1)	Agricultural Cooperative Development Int. (ACDI)	\$157,714
(2)	Associates in Rural Development (ARD)	\$680,792
(3)	Blue Nile	\$ 49,139
(4)	DEVRES	\$487,901

Short-term consultancies were provided as follows:

(1)	HARZA/Administrative Support	21 - 27 July 1988
(2)	Health Consultancy	- 3 Sept. - 3 Oct. 1988
(3)	Socio-economic Consultancy	- 27 Oct. - 21 Dec. 1988
(4)	Feasibility of Medium Scale Perimeter	- 19 Jan. - 31 March 1989
(5)	Irrigation System Management	- 19 March - 14 April 1989
(6)	Agricultural Marketing	- 10 May - 15 July 1989
(7)	Cooperative Operations	- 15 May - 20 July 1989
(8)	HARZA Administrative Support	- 19 Oct. - 01 Nov. 1989
(9)	Socio-economic Monitoring	- 31 Oct. - 19 Dec. 1989
(10)	Agricultural Credit	- 31 Oct. - 19 Dec. 1989
(11)	Privatization Options	- 31 Oct. - 19 Dec. 1989
(12)	Economic Model Irrigation System	- 31 Oct. - 19 Dec. 1989
(13)	Socio-economic Monitoring	- 7 Feb. - 31 March 1990
(14)	Economic Model Irrigation System	- 6 Feb. - 31 March 1990
(15)	HARZA Administrative Support	10 - 21 March 1990
(16)	Socio-economic Monitoring	- 26 June - 31 July 1990
(17)	Economic Model Irrigation System	- 26 June - 31 July 1990.

The first technicians that were mobilized were the Chief of Party/Design Engineer and the local-hire Senegalese Irrigation Operations Engineer. HARZA dismissed the former after four months and the latter after six and a half months. Although SAED and the Mission readily concurred with these actions, all parties to the contract realized that this would result in further delaying project implementation. The replacement Chief of Party arrived in the fifth month. The replacement Operations Engineer, a recent university graduate, with very limited French language skills, did not arrive until the thirteenth month of the HARZA Contract. During their respective assignments neither one was active in field operations. Although the Chief of Party, a PhD in agricultural engineering, operated as an irrigation design engineer, his field and management experience was very limited. Furthermore, he was frequently involved in overall team management and administration until the end of the contract, which prevented him from effectively accomplishing his technical goals. The Operations Engineer was oriented towards developing computer models and spent most of his time in the office. As a result of all this, field operations, system maintenance and technology transfer were never given priority under the host-country contract. Furthermore, the technical assistance team was unable to prepare in a timely fashion design and construction standards acceptable to either the Mission or SAED. The contract Agronomist was successful in revitalizing the SAED demonstration farm after a two-year break. After one planting season, he was able to introduce several new crop varieties and on-farm training programs. The farm's extension program, however, was started late and had a limited impact on irrigated farm operations. The Rural Development Specialist and the Administrator were less successful in technology transfer as they hardly provided any significant training either to SAED staff or project farmers.

The Socio-economic monitoring system and the demonstration farm were the few concrete achievements of the HARZA technical assistance team. Accomplishments of the Socio-economic monitoring system included a baseline survey of 50 farm families, an analytical model for irrigated agriculture and an analysis of socio-economic data for the 1989-1990 rainy season. Upon completion of the HARZA Contract, the SAED/Bakel Office for Monitoring and Evaluation had just begun working on a databank based on the HARZA socio-economic monitoring system. The demonstration farm made good progress in providing extension training and demonstration sessions in crop trials and agricultural practices to Bakel farmers (see Section (e) Training, (1) In-country training, for details).

The HARZA technical assistance team and home office staff spent an inordinate amount of time on contract administration at the expense of meaningful technical implementation. During its entire presence in Bakel, the HARZA T.A. team did not participate in the design, construction or rehabilitation of any irrigation system. Notwithstanding this, not one project progress report was submitted on time; invoices were often poorly prepared or lacked appropriate justification; budget proposals were either unclear or insufficiently documented. The T.A. team's processing and follow-up on SAED clearance and approval of important documents, such as contract amendments, was inadequate and resulted in unnecessary delays to the project. The short-term consultants were, for the most part, more successful than the long-term technicians.

The HARZA Contract was completed as scheduled, on 30 September 1990. As of this report, HARZA's total claims were \$3,406,579 against total contract costs of \$3,842,728. Annex B presents the status of USAID's processing of HARZA invoices.

(c) Studies

The following studies were completed by short-term consultants provided under the SAED/HARZA Contract:

(1) *Economically viable farmer-managed medium-scale irrigated perimeters in the Middle and Upper Senegal River Valley; A General Feasibility Study and preliminary specific site studies, M. Billings & others, HARZA Engineering Company, March 1989;

(2) An Agricultural Marketing Study of input /output supplies and constraints in the Irrigation and Water Management I Project, Cao Quan, Devres Inc., July 1989;

* Note: Only Phase I, i.e. the general feasibility and preliminary specific site studies, was completed. Phase II, i.e. the specific site study was not undertaken based on the recommendation that medium-scale irrigation systems were not economical.

- (3) Cooperative Operations - Irrigation and Water Management Project, Germain Bertrand, ACDI, July 1989;
- (4) Report on Health for Bakel Project in Senegal, H. Jamnback & William Jobin, Blue Nile Associates, August 1989;
- (5) Trip Report-Senegal Irrigation and Water Management I Project, Alfred S. Waldstein, Associates in Rural Development, 1 August 1989;
- (6) End of Mission Report, Project Monitoring System, F. Brusberg, Devres Inc, 14 December 1989;
- (7) Senegal Irrigation and Water Management I Project; Options for Privatization, Jan-Hendrik Van Leeuwen, GIC/ACDI, January 1990;
- (8) Agricultural Credit in the Bakel region, Robert Reeser, ACDI, January 1990
- (9) Determinants of success of irrigated perimeters in the Bakel Delegation, Part I: Water and Crops, Robert Reeser, ACDI, March 1990;
- (10) Socio-economic Monitoring System, Analysis of baseline data and Socio-economic Monitoring for the Hivernage Period 1989-1990 - Interim report (Second Mission), F. E. Brusberg, Devres, March 1990;
- (11) Final Report: Determinants of success of Irrigated Perimeters in the Bakel Delegation, Part II: The rest of the story; Robert Reeser, ACDI, June-July 1990;
- (12) Socio-economic Monitoring System, Annual Report for Agricultural year 1989-1990; F.E. Brusberg, Devres Inc. July 1990.

These studies provided substantial data on irrigation water-related diseases, cooperative operations, credit, marketing, agricultural production practices in the project area, on the potential for local private sector involvement in irrigated agriculture and on commercial profitability of irrigated agricultural systems. Based on lessons learned from the contractor's unsatisfactory performance with the cooperative and marketing studies, the Mission took a very active role in the recruitment and selection of consultants and in the management of the studies on privatization options, farm modeling, economic monitoring and credit. The findings from these studies proved to be very valuable for the 1990 evaluation and for developing the Mission's final decision to terminate the Bakel program.

The services of the Land Tenure Center, University of Wisconsin, were contracted under a cooperative agreement from September 1986 to June 1989, for a total cost of \$282,828 to carry out studies on customary land tenure and land allocation arrangements in the Bakel region. The Land tenure team including four researchers and data collectors completed the research program on 30 June 1989, with the production of sixteen discussion papers which provided qualitative data for future irrigation development planning in the Bakel area. The studies included a baseline of current land tenure practices in Bakel, discussions on the effects of irrigation development on land-tenure, of land tenure tradition, law and administrative services in Senegal of significance to village irrigation systems.

The Feasibility Study of medium-scale irrigation perimeters focused on the middle and upper valleys of the Senegal River which comprise the Matam and Bakel area. The study was to include two phases: (1) a general study to resolve certain basic issues and (2) a detailed feasibility study for a specific site. The four-person short-term team completed the first phase following a ten-week consultancy and concluded that medium-scale irrigation systems were not commercially profitable under the economic and climatic conditions prevailing in the study area. Then, a joint SAED and USAID Review Committee met on 27 July 1989 and recommended the termination of the study based on the findings of the first phase. Thus, out of the total fixed price amount of \$235,515 budgeted for this activity, only 50%, i.e. \$117,757.50 were spent; the balance remained unused upon project completion.

(d) Commodity Procurement

The Project provided miscellaneous commodities between January 1986 and September 1990 for implementation purposes through two different procurement modes: (1) USAID direct procurement (PIO/C), and (2) procurement under the SAED/HARZA T.A. Contract, by HARZA. Project commodity procurement was completed in a timely fashion. Following is the summary list of the project-funded commodities:

<u>Commodities/Quantity</u>	<u>Procurement Agent</u>	<u>Costs (\$)</u>
1. Irrigation pump sets (18), accessories and parts	USAID	\$330,299*
2. Four-wheel drive Vehicles (10) and parts	USAID	247,285
3. Household furniture (6 sets)	USAID	93,035
4. Office furniture, material, equipment and supplies	HARZA	158,550
5. Demonstration farm equipment	HARZA	<u>55,000</u>
Total		\$884,169

* Note: The procurement of pumps was funded under the design and construction line item of the project budget, and therefore the \$330,299 amount was not accounted under the commodity line item.

Upon completion of the HARZA T.A. team's Contract, all project-funded commodities were inventoried by HARZA and SAED personnel and officially transferred to the SAED/Bakel Delegation on 25 September 1990.

An end-use check of the project's non-expendable commodities was carried out from 22 October 1990 to 27 October 1990 by an in-house 2-person team. The team concluded that: (a) project commodities were in good working condition; and (b) the commodities were satisfactorily monitored by the project.

A copy of the end-use report is attached as annex C of this report.

(e) Training

The project funded three types of training under the SAED/HARZA Contract.

(1) In-country training was implemented by the HARZA T.A. Agronomist assisted by SAED counterparts. It included: (a) organized visits of the demonstration farm trials for thirty-seven farmer group leaders in March 1990, for sixteen farmers in June 1990; (b) technical training for nine farmer group pump operators in August 1990, thirty water controllers in water management techniques in December 1989, thirty village technicians in production management practices October-November in 1989, twenty-seven bookkeepers in procurement and stock control in November-December 1989, twenty-seven oxen handlers and twenty-seven pairs of oxen in May-July 1990, and fifteen assistant village technicians in July 1990. However, minimal on-the-job training for SAED staff was provided by the HARZA team.

(2) Short-term, Third-country training in irrigated agriculture was to be provided for ten SAED/Bakel counterparts under the SAED/HARZA Contract. However the program was not implemented as planned due to the T.A. Contract's lack of funding for this activity. As an alternative, the HARZA T.A. team only succeeded in sending the SAED counterpart of the T.A. Administrative Advisor to attend a logistics and procurement seminar in Ivory Coast, in May-June 1989. Soon after his return to Bakel, he was transferred to SAED/Saint-Louis Headquarters.

(3) Short-term observation tours

Three groups of ten progressive farmers and village leaders were to be selected annually by the T.A. team to participate in observation tours to learn about small, locally controlled irrigation practices in third countries. Two groups were sent to Niger: (a) in October 1989, an eleven-day tour to observe Niger's ONAHA irrigation systems was organized by the HARZA Team; nine Bakel farmers and village leaders, two SAED/Bakel technicians and one HARZA technical assistant participated in the tour which was later assessed as inappropriate to the Bakel small-scale irrigation experience by the mid-term evaluation team; (b) and in January-February 1991, a second visit to Niger was organized by the Mission in collaboration with SAED, based on the evaluation team's recommendation. More suitable sites were visited by eight Bakel farmers and three SAED technicians during an eleven-day tour.

The project's overall training program proved to have had limited success due mainly to the T.A. team's planning delays, inappropriate selection of training sites for observation tours, and very limited on-the-job training of SAED counterparts. However, the demonstration farm sessions and extension courses turned out to be satisfactory, as noted by the project's mid-term evaluation report.

(f) Audits

The Regional Inspector General (RIG) undertook a six-month audit of the Bakel Mission's irrigation program from 1 December 1988 to 30 May 1989, ten months after the signing of the technical assistance contract. The audit was mainly focused on the project's objectives of replicating a viable prototype irrigation system by private initiative, on farmer profitability, private sector involvement in irrigated agriculture and on improved quality of irrigation construction. The final audit report confirmed the Mission's belief that the Bakel Project assumptions were based on inaccurate data. It concluded that the project was only marginally successful as it failed to expand replicable irrigation systems, to demonstrate the economic feasibility of irrigation in the Bakel area, and to correct the design and construction problems noted in the BSIP. The audit provided ten recommendations, of which 8 were rapidly closed. One concerning the mobilization of the evaluation team was closed upon the team's arrival in country. The last recommendation was closed upon notification of the Mission's decision to terminate the project.

Following the issuance of the audit report, the Mission requested that RIG program a non-Federal audit of the HARZA technical Assistance Contract. The first target date was 1 August 1990, but a large number of these audits had to be scheduled and all requirements could not be met at that time. Thus, RIG proposed that the Defense Contract Audit Agency (DCAA) be requested to carry out an audit of the HARZA Contract. The Mission prepared the scope of work for the DCAA audit and sent it to RIG along with a package of relevant documents on 5 December 1990. RIG notified the Mission on 18 April 1991 that the DCAA audit of the HARZA Contract records was underway in Chicago and that it would be completed in May 1991. As of the writing of this report, the Mission had yet to receive the DCAA report.

(g) Evaluation

The mid-term evaluation of the project was carried out from 15 May 1990 to 25 June 1990 by a multidisciplinary four-man team provided under an Indefinite Quantity Contract (IQC) with Pragma Corporation. The Evaluation was focused on assessing accomplishments made towards the project objectives and determining the project constraints. Upon completion of the field assessment, the following major findings and conclusions were presented by the Pragma Team to USAID and the Government of Senegal:

- The project assumptions were unrealistic and the project goals unattainable;
- Irrigated agriculture in its present form in the project area is not economically profitable, and the irrigation systems in place, not financially viable;
- There was no significant increase in irrigated farm production, incomes and employment;
- Construction and rehabilitation of irrigation systems were unsatisfactory;
- The technical assistance team's performance was unsatisfactory;
- The anticipated private sector involvement in irrigation did not materialize;
- The demonstration farm and the socio-economic monitoring systems were the only satisfactory and functioning activities.

Based on these findings, the Pragma Team recommended three options:

- Terminate the project;
- Redesign the project in its entirety, and
- Modify the project goals and objectives.

The Mission and SAED extensively analyzed and discussed the evaluation findings and recommendations in order to determine the best future course of the project. The Mission further reviewed the situation with the GOS Ministry of Rural Development and Hydraulics and the Ministry of Economy and Finance. They finally mutually agreed to terminate the project effective on 31 March 1991, and to reprogram the remaining funds under the framework of the GOS Agricultural Sector Adjustment Program (PASA).

5. PROJECT MANAGEMENT

(a) Project Management entities:

The basic management entities of the project were: (a) village farmer groups, (b) SAED/Bakel Delegation, (c) SAED/Saint-Louis Headquarters, (d) The HARZA technical assistance, and (e) USAID/Senegal.

Some fifty village farmer groups, or irrigation associations of farmers cultivated the individual irrigated plots that made up the village irrigation systems. They contributed labor to clear the land in the early construction phase and to finish up the construction of the new irrigation systems. They tended to operate as collaborative groups in making decisions or carrying out tasks necessary to support their individual farming activities. They also served an important function both for planning, executing and monitoring their individual contributions to irrigation development, and for maintaining external relationships with SAED and/or other institutions. As such they were responsible for overall management of the irrigation systems and the principal beneficiaries of the project.

SAED/Bakel is an autonomous delegation, (i.e. administrative and geographical subdivision of SAED), located in the Bakel Department. It consists of an administrative base near the town of Bakel and four operation zones. SAED/Bakel was responsible for administrative and technical coordination of all irrigation operations supported by the project in the Bakel area. The SAED/Bakel Delegation Engineer and four key staff members served as counterparts to the five-man technical assistance team provided by HARZA.

SAED/Saint-Louis, the SAED Headquarters is in Saint-Louis, some 630 kilometers from Bakel by road. SAED/Saint-Louis provided guidance, management and administrative backstopping, financial resources and supervision to SAED/Bakel.

The HARZA team, based in Bakel, was to provide technical assistance, under a Host-Country Contract with SAED, to SAED/Bakel for purposes of implementing the project. HARZA/Chicago provided backstopping to the HARZA field team.

USAID/Senegal provided funding and policy guidance both to SAED/Saint-Louis, SAED/Bakel and HARZA. A USDH Project Officer assisted by an FSN Coordinator under a personal services contract, and the various support offices of USAID were responsible for USAID project management.

2. Management constraints/problems:

One of the key factors in initiating the project was the GOS's planned transfer under its New Agricultural Policy of increased management responsibilities for irrigated perimeters to the farmer groups, with the ultimate goal of promoting commercial irrigated agriculture. This was impeded by numerous constraints, e.g. very limited access to credit, poor construction quality of irrigation systems, persistent uncertainty of input availability on local markets, uncertain or non-existent markets for crops. These constraints negatively affected the level of farmer group motivation and prevented the evolution from subsistence to commercial irrigated agriculture.

The long distances separating Bakel and Saint-Louis, Bakel and Dakar, and persistent telephone communication problems in Bakel did not facilitate management of the project by SAED, HARZA and USAID. Regular monthly reviews did not take place during the first three years of the project due to a lengthy contracting process for the technical assistance, a high turnover of SAED/Bakel personnel, and delays in mobilizing the complete technical assistance team, which did not permit close monitoring of initial implementation activities. In fact, the first two years of the project were spent negotiating the HARZA Contract and over one additional year was necessary for HARZA to field a complete five-man team.

Additionally, SAED's management capability proved to be ineffective. Bakel is the most remote area where SAED operates. Owing to its lack of amenities, to its severe climatic conditions and isolation, it is considered a hardship post. Priority in adequately staffing and equipping the delegation was seldom considered by SAED. A competent Delegation Engineer was not assigned to Bakel until late 1989, following USAID's repeated requests. Generally speaking, the Bakel Delegation was staffed with poorly motivated personnel. As a result, the project-funded construction program was not effectively managed, both administratively and technically, by SAED. SAED was not able to develop a strategy to encourage private sector participation in irrigated perimeter design and construction, as well as in the provision of agricultural services. Neither did it demonstrate that it was capable of managing the HARZA Contract. Furthermore, its persistent financial problems seriously constrained its operations in the Bakel area.

The HARZA Technical Assistance team's failure to establish effective counterpart relationships with SAED/Bakel personnel was a major constraint. Either there was no clear understanding on the part of the HARZA of the Technical Assistance team's specific responsibilities, e.g. design role of HARZA, or of appropriate procedures for carrying out technical tasks. Unnecessary delays were experienced in HARZA's contract actions; monthly invoices were often poorly documented; and required reports were most often submitted late, which made them ineffective monitoring tools.

6. END-OF-PROJECT STATUS

The end-of-project status as of 31 March 1991 was as follows:

A. Irrigated farming was practiced to varying degrees on about 1,400 hectares by some 50 farmer groups, while 500 hectares were abandoned due to poor quality construction. Increases in food production were modest and the cropping intensity only remained at 0.7/0.8 per year, with a declining trend. Farmers' main goal was to achieve subsistence production, with only a secondary interest in commercial production for a few groups;

B. SAED had divested itself from the provision of inputs and marketing services, but continued to perform irrigation design and construction, extension and training services in Bakel. SAED's divestiture from the provision of inputs and marketing functions created a void: the privatization process did not materialize as expected due to the lack of both capacity and demand for a private sector at Bakel that could provide agricultural services. This was further constrained by the lack of a private sector strategy based on farmer group participation in these services;

C. SAED was still responsible for the design and construction of irrigation systems in the Bakel region. The design of project-funded systems was generally acceptable, but construction was unsatisfactory. The private sector involvement in the design and construction of irrigation systems in Bakel did not occur;

D. A socio-economic monitoring program designed to provide data on the benefits of irrigated agriculture and economic tracking for the project was carried out by SAED staff in Bakel, a databank on selected Bakel irrigation systems was in place;

E. A Demonstration Farm providing extension/demonstration training to Bakel farmers was operated by SAED/Bakel but experienced serious budget constraints as a result of SAED's financial crisis.

7. LESSONS LEARNED

A. Economic assumptions made during a project design phase should be based on actual data, or they should be evaluated during the early stages of project implementation. Crop yields, and production costs were respectively overestimated and underestimated in the Project Paper, which led to erroneous financial and economic rates of return. These design assumptions should have been evaluated by competent experts during the first year of project implementation.

B. The Host-Country Implementing Agency's contracting capabilities need to be assessed during project design. This could help determine the best contracting mode early on and prevent unnecessary delays in project implementation.

C. The Technical Assistance contract should be jointly assessed by the implementing agency and USAID on an annual basis to determine the need for continuation or readjustment of T.A. services. Early remedial actions to HARZA's unsatisfactory performance could have contributed to appropriate reorganization of the technical assistance personnel for a better implementation of the project.

D. Good communication between the Technical Assistance and Implementing Agency personnel is essential for project implementation. The lack of good working relationships and collaboration between HARZA and SAED counterparts resulted in untangible results.

E. A program and financial management audit of the project and of the technical assistance contract should be carried out within the first two years of project implementation. Recommendations in these two areas could better facilitate project management in subsequent years. If an audit was carried out in 1986 or 1987 a decision whether or not to negotiate the planned host country contract could have been made. This could have saved the \$3 million spent on the HARZA Contract.

F. It is extremely difficult to mobilize an effective technical assistance team for remote project sites. A thorough analysis of potential constraints should be done prior to initiating development programs in such areas.

G. During the design phase of project development, USAID should thoroughly investigate the priorities of the host country and its capabilities to implement the planned activity.

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ANNEX A - PROJECT DATA

PROJECT DATA

(a) Basic Data:

DATES:

(1)	Project Authorization/Project Paper	20 Aug. 1985
(2)	Project Grant Agreement:	30 Aug. 1985
(3)	Host Country Contract: SAED/HARZA	5 April 1988 - 30 Sept. 90
(4)	Land Tenure Order of Services:	1 Sept. 1986 - 30 June 89
(5)	Project Paper Supplement:	14 April 1989
(6)	Grant Agreement Amendments:	(a) 27 Feb. 1986 (b) 9 Jan. 1987 (c) 10 June 1988 (d) 28 April 1989
(7)	Mid-term Evaluation:	15 May 1990 -21 June 1990
(8)	Early Termination Notification:	4 Oct. 1990
(9)	First Deobligation:	31 Jan. 1991
(10)	Original Project Assistance Completion Date (PACD)	30 Sept. 1990
(11)	Revised PACD	30 Sept. 1992
(12)	Early Termination	31 March 1991
(13)	Final Deobligation	31 Dec. 1992.

(b) USAID Project Funding:

Amounts

(1)	First Obligation (Grant Agreement)	\$ 5,00,000
(2)	Second Obligaion (Amdt No. 1, Grant Agr.)	3,000,000
(3)	Third Obligation (Amdt. No. 2, Grant Agr.)	500,000
(4)	Fourth Obligation (Amdt No.3, Grant Agr.)	500,000
(5)	Fifth Obligation (Amdt. No. 4, Grant Agr.)	500,000
	Total	<u>\$9,500,000</u>

(c) FY 91 Deobligation:

(1) First Deobligation:	\$2,104,035
(2) Second Deobligation:	N/A
Total	\$2,104,035

(d) USAID's Planned and Actual Inputs:

Category	Planned	Disbursed	Deobligated
(1) Construction	3,300,000	1,013,741	1,761,370
(2) Technical Assistance	5,050,000	4,059,845	204,035
(a) Personal Service			
Contracts + other	1,443,000		
(b) HARZA Contract	3,607,000		
(3) Studies	530,000	403,085	N/A
(4) Commodities	480,000	337,173	82,263
(5) Evaluation/Audit	140,000	82,596	56,367
	<u>9,500,000</u>	<u>5,897,040</u>	<u>2,104,035</u>

(e) Government of Senegal's Contribution:

(1) Planned total: CFA 1,240,000,000 or \$3,100,000
(at official exchange rate of \$1 = CFA 400)

(2) Actual contribution: CFA 1,118,238,000 or \$3,855,993
(at current exchange rate of \$1 = CFA 290).

ANNEX B - CONTRACTOR (HARZA) INVOICE TABLE

CURRENT STATUS OF USAID PROCESSING

October 1991

OF HARZA INVOICES

HARZA Contract: Total cost \$3,842,728, including \$3,607,213 (reimbursable costs) and \$235,515 (fixed price for Feasibility Study)

INV. #	Reallowances - Paid				Reallowances Pending		H (2) : CURRENT DIS- ALLOWANCES	I : MONTH	J
	A : AMOUNTS CLAIMED	B : ORIGINAL AMOUNTS PAID	C : ORIGINAL DISALLO- WANCES	D : GENERAL	E : APARTMENT	F : HARZA/ACDI SUBCONT. AMDT NO. 1			
G-1	46,063.14	31,922.79	14,140.35	1,334.66	-0-	-0-	-0-		
G-2	41,043.09	41,043.09	-0-	-0-	-0-	-0-	-0-		
G-3	41,784.20	41,784.20	-0-	-0-	-0-	-0-	-0-	12,805.69	MAY '88
G-4	103,060.21	61,568.53	41,491.88	13,953.16	-0-	-0-	-0-	-0-	JUNE
G-5	64,098.21	64,098.21	-0-	-0-	-0-	-0-	-0-	-0-	JULY
G-6	121,751.71	121,751.71	-0-	-0-	-0-	-0-	-0-	27,538.70	AUGUST
G-7	129,286.59	125,360.61	3,919.98	3,706.00	-0-	-0-	-0-	-0-	SEPTEMBER
G-8	76,403.07	76,403.07	-0-	-0-	-0-	-0-	-0-	-0-	OCTOBER
G-9	125,408.39	123,935.80	1,472.59	-0-	-0-	-0-	-0-	213.98	NOVEMBER
G-10	60,643.41	37,443.68	23,199.73	-0-	-0-	-0-	-0-	-0-	DECEMBER
G-11	51,914.34	51,914.34	-0-	-0-	-0-	-0-	-0-	1,472.59	JANUARY-89
G-12	114,565.60	114,565.60	-0-	-0-	-0-	-0-	-0-	23,199.73	FEBRUARY
G-13	138,500.60	110,888.41	27,612.19	-0-	-0-	-0-	-0-	-0-	MARCH
G-14	62,492.19	62,492.19	-0-	-0-	-0-	-0-	-0-	-0-	APRIL
G-15	72,515.61	72,515.61	-0-	-0-	-0-	-0-	-0-	27,612.19	MAY
G-16	77,306.77	61,578.40	15,728.37	69.66	-0-	-0-	-0-	-0-	JUNE
G-10(A)	-0-	17,326.13	-0-	-0-	-0-	-0-	-0-	-0-	JULY
G-17	113,250.58	116,926.64	6,323.94	121.02	-0-	-0-	-0-	15,058.71	AUGUST
G-18	104,001.40	16,067.90	87,933.44	80,042.68	1,614.88	-0-	-0-	-0-	Fixed Fee Adjustment
G-19	326,908.85	303,663.54	23,245.31	13,615.35	3,850.70	-0-	-0-	6,202.92	SEPTEMBER
G-20	161,708.80	160,815.92	892.88	-0-	-0-	-0-	-0-	6,275.88	OCTOBER
G-21	73,443.35	61,695.00	11,748.35	8,469.72	1,215.27	-0-	-0-	5,779.26	NOVEMBER
G-21(A)	-0-	21.01	-0-	-0-	-0-	-0-	-0-	892.68	DECEMBER
G-22	80,455.75	78,356.67	2,099.08	1,464.16	87.10	-0-	-0-	2,063.36	JANUARY
G-22(A)	-0-	3,380.08	-0-	-0-	-0-	-0-	-0-	-0-	Fixed Fee Adjustment
G-23	70,947.48	33,832.99	37,114.49	31,228.50	-0-	-0-	-0-	547.80	FEBRUARY
G-24	89,547.00	62,144.43	27,202.57	4,174.48	-0-	-0-	-0-	-0-	Fixed Fee Adjustment
G-25	150,880.50	113,561.14	37,505.42	-0-	-0-	6,565.60	3,564.00	5,798.89	MARCH
G-26	157,597.82	146,954.72	10,643.10	1,479.14	2,552.50	-0-	27,372.58	12,898.49	APRIL
G-27	108,615.40	84,567.34	24,047.92	15,093.99	2,805.75	-0-	4,599.88	1,878.92	MAY
G-28	86,076.95	80,107.71	5,969.22	-0-	220.64	-0-	6,019.76	2,211.58	JUNE
G-29	172,732.06	101,162.85	71,549.23	-0-	-0-	-0-	5,572.68	128.42	JULY
G-29(A)	-0-	-0-	-0-	-0-	-0-	-0-	175.90	-0-	AUGUST
G-30	87,545.43	65,446.26	22,149.07	-0-	-0-	52,378.22	7,392.93	11,778.08	SEPTEMBER
G-31	15,066.90	13,600.11	1,260.79	-0-	2,103.73	-0-	-0-	-0-	HARZA/ACDI ADJUSTMENT
G-32 R	7,355.05	2,230.95	5,124.10	-0-	-0-	-0-	9,230.20	10,815.14	SEPTEMBER
G-32 R	10,106.35	-0-	10,106.35	-0-	-0-	-0-	-0-	1,260.79	SEPTEMBER
(REV)								5,124.10	MISCELLANEOUS
G-32F	25,741.05	25,741.05	-0-	-0-	-0-	-0-	-0-	10,106.35	Fixed Fee
G-32F(A)	-0-	8,364.00	-0-	-0-	-0-	-0-	-0-	-0-	
G-33	19,330.44	-0-	19,330.44	-0-	-0-	-0-	-0-	-0-	FIXED FEE
G-33R	-1.53	-0-	42.53	-0-	-0-	-0-	-0-	-0-	Final fixed fee settlement
H-1 FST	117,757.50	117,757.50	-0-	-0-	-0-	-0-	-0-	19,330.44	In process
TOTAL	3,406,579.44(1)	2,813,182.84	531,853.30	174,752.54	14,537.67	90,771.52	44,433.37	211,613.32	FEASIBILITY
									G.T.

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(1) Please note that a total amount of \$3,323,041.41 was claimed against HARZA's total contract costs of \$3,842,728 as of 17 May 1991.
 (2) These are current USAID disallowances only subject to modifications which may result from settlement of HARZA's final claims.
 (A) Indicate an adjustment upon receipt of an invoice.

ANNEX C - PROJECT END-USE REPORT

M E M O R A N D U M

DATE: November 7, 1990

TO: IWME, W. Egan

THROUGH: SMO, C. Dailey *C Dailey*

FROM: SMO, M.C.Sow *MCS* and IWME, K. Balajo *K Balajo*

SUBJECT: Report on End-Use Check of Irrigation and Water Management I
Project (685-0280) commodities

It was of great importance to get a complete listing of non-expendable commodities prior to departure to Bakel, which was not easy to do. There were two types of commodities: those bought directly by AID/SMO and those bought directly by Contractor/Harza. Commodities procured through AID/SMO were listed with PIO/Cs in files (and it was easy to establish the listing before leaving Dakar). But for those of Harza there was no trace except the listing of commodities jointly signed by Harza and SAED people in Bakel. During our first meeting with Mr. Tacko SOW we told him that all project related commodities had to be presented and that he would be required to sign a Certificate stating that everything was shown. We must say that Mr. Sow set the tone and encouraged his staff to really collaborate and help us.

A detailed report is attached, but we have some general comments.

A) Vehicles: They are all in good condition and serve SAED well. One Pajero vehicle is temporarily in Dakar, assigned to Ministry of Agriculture and Hydraulique.

B) Pumps: all are in good working condition and most were operating during our visit. They are well maintained and managed by SAED Technician and farmers, even if their access is not often easy or secure because of the border problems.

- C) Boat: it was found in excellent condition but it is not possible to make any good use of it due to the border conflict with Mauritania.
- D) Motorbikes and Motos: very often we met the people on the road or in the bush with them. They are all working and of great use for Chefs de Zone and Mechanics if we consider the fact that there are practically no roads between project sites.
- E) Technical equipment: all the non-expendable commodities in the garage and at the demonstration farm are in good condition,
- F) Office Equipment and House Furniture: Mr. Sow has already re-installed his staff in the offices left by Harza Team. The house furniture and appliances also were distributed through the four houses of the SAED Base. Mr. Sow told us he was waiting for our visit before distributing remaining furniture and equipment to the four Chefs de Zone. He was installing a "Drafting Room" and a new Conference Room where he envisioned to install all the audiovisual equipment.

OBSERVATIONS:

- 1- All the dining tables ordered through SMO have the same defective feet, probably due to wood glue not adapted to climate.
- 2- Mr. Khoi Le's furniture was very old; only a few pieces will remain for distribution since most of this furniture was damaged during transportation to Bakel.
- 3- Generators and water tanks will be distributed to Chefs de Zone because they are not needed at the Base.
- 4- Some training will be necessary for SAED staff to really use the computers.
- 5- None of the MITA copy machines ordered by Harza is working very well. We have suggested that the SAED team check with the supplier if they are using the right paper.

6- Part of the roof of the warehouse where the boat is was damaged during the rainy season and should be repaired.

7- Some commodities were reported in Harza listing but could not be seen because they are still with Harza people in Dakar (i.e. computers, irons, cameras, ...)

8- When serial numbers (i.e. for air conditioners) are not reported it is because access to them was too difficult.

In conclusion, we found a good monitoring of the commodities by the project. We must thank SAED staff in Bakel for their help.

Special thanks should be addressed to AID driver, Mr. Adama DIOP.

Dr: SMO:MCSow:mcs lucA 11/07/90
Cl: IWME:KBalajo DRAGF
SMO: CDailey CA

INFO: IWME: M.NDAW
RCO: M.GIANNI
EXO: M.IRELAND

USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE Aug 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE JWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
GROUP MOTOR PUMP GMP	LISTER HR3	3600682	CFA 5,000.000. w/ accessories	Pio/c 685-0280-4-50098	935	935	in Proj. Paper Annex 9.5.2.	-	-	MOUDERI III	YES WORKING
" "	" "	3600683	" "	" "	" "	" "	" "	" "	" "	" "	" "
" "	" "	3600680	" "	" "	" "	" "	" "	" "	" "	MOUDERI IV	" "
" "	" "	3600677	" "	" "	" "	" "	" "	" "	" "	" "	" "
" "	" "	3600681	" "	" "	" "	" "	" "	" "	" "	YELINGARA	" "
" "	" "	3600676	" "	" "	" "	" "	" "	" "	" "	TUABOU	" "
" "	" "	3600678	" "	" "	" "	" "	" "	" "	" "	COLLENGAL NAFE	" "
" "	" "	3600679	" "	" "	" "	" "	" "	" "	" "	BALLOU I	" "
" "	" "	3600675	" "	" "	" "	" "	" "	" "	" "	GOLMI	waiting for pipes

* Definition of Non-Expendable Item (Per FPR Title 41 No. 7-7.5401-23)

"Non-Expendable Property is property which is complete in itself, does not lose its identity or become a component part of another article when put into use; is durable with an expected service life of ~~2~~ 2 1/2 years or more and which has a unit value of more than \$500.

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE Aug. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE INME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
GMP	LISTER HR3	3501153	CFA 5,000.000 w/ accessories	Pro/C 685-0280-4-50098	935	935	in Proj. Paper Annex 9.5.2			SANOY-KHOLÉ	YES - WORKING
"	"	3700702	CFA 4,600.000 w/ accessories	Pro/C 685-0280-4-50180	"	"	685.87-06 dtd. 3/20/87			MOUDERI I	"
"	"	3600704	"	"	"	"	"			MOUDERI VII	"
"	"	3700704	"	"	"	"	"			"	"
"	"	3600703	"	"	"	"	"			MOUDERI VIII	"
"	"	3500705	"	"	"	"	"			SEBOU	"
"	"	3700703	"	"	"	"	"			KIDIRA	"
"	"	3700701	"	"	"	"	"			NAYE	"
"	"	3501146	"	"	"	"	"			SANOY-KHOLÉ	"

* Definition of Non-Expendable Item (Per FPR Title 41 No. 7-7.5401-23)

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
4WD VEHICLE	MITSUBISHI PAJERO	GY402166	CFA 5,600.000	Pio/C 685-0280-4-50096	935	935	in Project Paper Annex 9.5.1			SAED STLOUIS (B.E.C.)	YES WORKING
"	"	HJ400729	CFA 6,271.000	Pio/C 685-0280-4-50179	"	"	AID/W cable (87) 91482			SAED STLOUIS (DR. GEN)	"
"	"	HJ400735	"	"	"	"	"			SAED BAKEL	"
"	"	HJ400737	"	"	"	"	"			"	"
"	"	HJ400731	"	Pio/C 685-0280-4-50178	"	"	in Project Paper			"	"
"	"	HJ400733	"	"	"	"	"			SAED BAKEL	MINISTRY OF DEV. RURAL (DGR)
"	"	JJ400474	CFA 6,979.000	Pio/C 685-0280-4-50236	"	"	AID/W cable (87) 91482			"	"
"	"	JJ400616	"	685-0280-4-50236	"	"	"			"	"
"	SUZUKI SJ51	102248	?	Bought by LTC. Uni. of Wisconsin (D. Miller)		935?	?			SAED STLOUIS (B.E.C.)	"

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
4WD pick-up vehicle	NISSAN	430096	CFA 5,800.000	Pi/c 685-0280-4-80086	935	935	in Project Paper			SAED BAKEL	YES WORKING
4WD VEHICLE	JEEP CHEROKEE	84LL173302	\$ 16,495.00	Pi/c 685-0280-4-80055	000	000	-			SAED ST LOUIS (PDG)	" "
2-DOOR REFRIGERATOR	15.5 CF GENERAL ELECTRIC	/	\$ 612.00	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL J.P. SENGHOR	" "
" "	"	/	"	"	"	"	"			BAKEL T.SOW	" "
" "	"	/	"	"	"	"	"			BAKEL I. Ba	" "
" "	"	/	"	"	"	"	"			BAKEL WAREHOUSE	" "
" "	"	/	"	"	"	"	"			BAKEL WAREHOUSE	" "
" "	"	/	"	"	"	"	"			BAKEL WAREHOUSE	" "
VACUUM CLEANER	HOOVER	/	\$ 39.60	"	"	"	"			BAKEL J.P. SENGHOR	" "

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE Aug. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE I/ME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
VACUUM CLEANER	HOOVER		\$ 39.60	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL T. SOW'S HOUSE	YES Working
..	..		..	..	..	..	..			M. KANE'S HOUSE	..
..	..		..	..	..	..	..			I. BA'S HOUSE	..
..	..		..	..	..	..	..			WAREHOUSE	..
AIR CONDITIONER	AMANA 2CV		\$ 521.00	PRO/C 685-0280-4-50238			J. P. SENEHOR HOUSE	..
..			T. SOW'S HOUSE	..
..			M. DIENC'S OFFICE	..
..			EX. SECR. OFFICE	..
..

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS
(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE JWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
AIR CONDITIONER	ARMANA 2 CV		\$ 521.00	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL EX. CONF. ROOM	YES WORKING
										T. SOW'S OFFICE	
										BAKEL WAREHOUSE	

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE JWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
AIR CONDITIONER	ARMANA 2CV		\$ 521.00	PTO/C 685-0280-4-50238	000	000	N/A			BAKEL WAREHOUSE	YES WORKING-
"	"		"	"	"	"	"			"	"
"	"		"	"	"	"	"			"	"
"	"		"	"	"	"	"			"	"
"	"		"	"	"	"	"			"	"
"	"		"	"	"	"	"			"	"
"	"		"	"	"	"	"			"	"
"	"		"	"	"	"	"			"	"
"	"		"	"	"	"	"			"	"

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
AIR CONDITIONER	ARMANA 2CV		\$ 521.00	PIO/C 685-0280-4-50238	000	000	N/A			BAKEL WAREHOUSE	YES WORKING
..
GAS RANGE - 30"	GENERAL ELECTRIC		\$ 471.00	PIO/C 685-0280-4-50238	..	..	..			J. P. SENGHOR HOUSE	..
..	..		..	..	..	..	..			T. Sow's HOUSE	..
..	..		..	..	..	..	..			WAREHOUSE	..
CLOTHES WASHER	GENERAL ELECTRIC		\$ 473.60	PIO/C 685-0280-4-50238	..	..	..			T. Sow's HOUSE	..
..	..		..	..	..	..	..			WAREHOUSE	..
..			WAREHOUSE	..
WATER HEATER	BRADFORD 40 GALLON		\$ 274.40	PIO/C 685-0280-4-50238			WAREHOUSE	..

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USAID/SENEGAL
 SUPPLY MANAGEMENT OFFICE
 END-USE REPORT FOR NON-EXPENDABLE ITEMS
 (AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION WATER MANAGEMENT NUMBER _____
 PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
 USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
WATER HEATER	BRADFORD 40 GALLON		\$ 274.40	Pro/C 685-0280-4-50238	000	000	N/A		WAREHOUSE	WAREHOUSE	YES WORKING
" "	" "		" "	" "	" "	" "	" "		" "	" "	" "
" "	" "		" "	" "	" "	" "	" "		" "	" "	" "
" "	" "		" "	" "	" "	" "	" "		" "	" "	" "
" "	" "		" "	" "	" "	" "	" "		" "	" "	" "
IRON WITH BOARD	HAMILTON		\$ 60.00	Pro/C 685-0280-4-50238	" "	" "	" "			T. SOW'S HOUSE	YES WORKING
" "	" "		" "	" "	" "	" "	" "			M. KANE'S HOUSE	YES NOT WORKING
" "	" "		" "	" "	" "	" "	" "			I. BAI'S HOUSE	YES WORKING
IRON BOARD ONLY									WAREHOUSE		GOOD

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W. Egan

USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
USAID PROJECT MANAGER W. Egan RESP. DIV/OFFICE INME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
IRON BOARD ONLY				PIO/C 685.0280-4-50238	000	000	N/A			BAKEL WAREHOUSE	YES GOOD
" "				" "	" "	" "	" "			BAKEL WAREHOUSE	" "
IRON ONLY	HAMILTON		\$ 60.00	" "	" "	" "	" "			" ?	YES w/ Harza in Dakar?
" "	" "		" "	" "	" "	" "	" "			" ?	YES w/ Harza in Dakar?
675 liters FREEZER	GENERAL ELECTRIC	G2181287-8802	\$ 512.40	PIO/C 685.0280-4-50238	" "	" "	" "			SENGHOR'S HOUSE	YES- WORKING
" "	" "	G2181525-8802	" "	" "	" "	" "	" "			T. SOWI'S HOUSE	" "
" "	" "	G2184564-8804	" "	" "	" "	" "	" "			KANE'S HOUSE	" "
" "	" "	G2183847-8804	" "	" "	" "	" "	" "			BA'S HOUSE	" "
" "	" "	?	" "	" "	" "	" "	" "			WAREHOUSE	" "

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W. Egan
10/10

USAID/SENEGAL
 SUPPLY MANAGEMENT OFFICE
 END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
 PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
 USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
675 liters FREEZER	GENERAL ELECTRIC	?	\$ 512.40	Pro/c 685.0280-4-50238	000	000	N/A			BAKEL WAREHOUSE	YES WORKING
ON-STAND FAN	TOSHIBA 3SPEEP	-	\$ 85.80	Pro/c 685.0280-4-50238	--	--	--			SENGHOR'S HOUSE	YES WORKING
--	--	--	--	--	--	--	--			T.SOW'S HOUSE	--
--	--	--	--	--	--	--	--			M.KANE'S HOUSE	--
--	--	--	--	--	--	--	--			I. BA'S HOUSE	--
--	--	--	--	--	--	--	--			WAREHOUSE	--
--	--	--	--	--	--	--	--			WAREHOUSE	--
TABLE LAMP	SHOAL CREEK	-	\$ 135.00 EA	Pro/c 685.0280-4-50238	--	--	--			SENGHOR'S HOUSE	--
--	41	-	--	--	--	--	--			T.SOW'S HOUSE	--

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Wed 8/30

USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
TABLE LAMP	SHOAL CREEK		\$ 135.00 EA	P10/C 685-0280-4-50238	000	000	N/A			M. KANE'S HOUSE	YES WORKING
"	"		\$ 135.00 EA	"	"	"	"			I. BA'S HOUSE	"
BEDSIDE LAMP	SHOAL CREEK		\$ 70.00 EA	"	"	"	"			T. SOW'S HOUSE	"
"	"		"	"	"	"	"			SENGHOR'S HOUSE	"
"	"		"	"	"	"	"			WAREHOUSE	1 broken
SOFA 3 seats	MONTGOMERY FURN.		\$ 549.00	P10/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	GOOD
"	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	"		"	"	"	"	"			KANE'S HOUSE	"
"	"		"	"	"	"	"			I. BA'S HOUSE	"

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USAID/SENEGAL
 SUPPLY MANAGEMENT OFFICE
 END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
 PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
 USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWNE

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
SOFA 3 seats	MONTGOMERY FURN.		\$ 549.00	PTO/C 685-0280-4-50238	000	000	N/A			BAKEL MR. DIOP'S OFFICE	YES - GOOD
"	"		"	"	"	"	"			EX. CONF. ROOM	"
EASY CHAIR			\$ 250.00 _{EA}	"	"	"	"			SENGHOR'S HOUSE	"
"			"	"	"	"	"			T. SOW'S HOUSE	"
"			"	"	"	"	"			KANE'S HOUSE	"
"			"	"	"	"	"			BA'S HOUSE	"
"			"	"	"	"	"			MR. DIOP'S OFFICE	"
"			"	"	"	"	"			WAREHOUSE	"
"			"	"	"	"	"			EX. CONF. ROOM	"

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE JINME

Description	QTY	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
						Auth.	Actual	No.	Value	Intended	Actual	
FIRESIDE CHAIR	2	MONTGOMERY FURN.		\$ 225.00 _{EA}	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL SENGHOR'S HOUSE	YES GOOD
"	2	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	1	"		"	"	"	"	"			KANE'S HOUSE	"
"	1	"		"	"	"	"	"			I. BA'S HOUSE	"
END TABLE	2	CRAWFORD FURN.		\$ 100.00 _{EA}	PRO/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	"
"	4	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	3	"		"	"	"	"	"			M. KANE'S HOUSE	"
"	2	"		"	"	"	"	"			I. BA'S HOUSE	"
"	1	"		"	"	"	"	"			EX. CONF ROOM	"

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
COFFEE TABLE	CRAWFORD FURN.		\$ 100.00	P/O/C 685-0280-4-50238	000	000	N/A			SENGHOR'S HOUSE	YES GOOD
"	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	"		"	"	"	"	"			M. KANE'S HOUSE	"
"	"		"	"	"	"	"			T. BA'S HOUSE	"
"	"		"	"	"	"	"			T. SOW'S OFFICE	"
"	"		"	"	"	"	"			EX. CONF. ROOM	"
BOOKCASE	CRAWFORD FURN.		\$ 234.00	P/O/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	"
"	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	"		"	"	"	"	"			KANE'S HOUSE	"

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W. Egan
8/30

USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
BOOKCASE	CRANFORD FURN.		\$ 234.00	P10/C 685-0280-4-50238	000	000	N/A			BAKEL I. BA'S HOUSE	YES GOOD
"	"		"	"	"	"	"			EX. CONF. ROOM	"
"	"		"	"	"	"	"			T. SOW'S OFFICE	"
DINING TABLE (BASE + TOP)	CRANFORD FURN.		\$ 290.00	P10/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	"
"	"		"	"	"	"	"			T. SOW'S HOUSE	YES 1 FOOT BROKEN
"	"		"	"	"	"	"			M. KANE'S HOUSE	YES GOOD
"	"		"	"	"	"	"			I. BA'S HOUSE	"
"	"		"	"	"	"	"			WAREHOUSE	FEET BROKEN
"	"		"	"	"	"	"			WAREHOUSE	FEET BROKEN

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
SIDE CHAIR	CRAWFORD FURN.		\$ 78.00 EA	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL T. SOW'S HOUSE	YES GOOD
"	"		"	"	"	"	"			M. KANE'S HOUSE	"
"	"		"	"	"	"	"			J. BA'S HOUSE	"
"	"		"	"	"	"	"			WAREHOUSE	YES GOOD (2) + ONE BROKEN
ARMCHAIR	CRAWFORD FURN.		\$ 85.00 EA	PRO/C 685-0280-4-50238	000	000	N/A			T. SOW'S HOUSE	YES GOOD
"	"		"	"	"	"	"			SENGHOR'S HOUSE	"
"	"		"	"	"	"	"			M. KANE'S HOUSE	"
"	"		"	"	"	"	"			J. BA'S HOUSE	"
"	"		"	"	"	"	"			WAREHOUSE	YES GOOD (2) + ONE BROKEN

* Definition of Non-Expendable Item (Per FPR Title 41 No. 7-7.5401-23)

"Non-Expendable Property is property which is complete in itself, does not lose its identity or become a component part of another article when put into use; is durable with an expected service life of two years or more and which has a unit value of more than \$500.

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE INME

Description	QTY	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
						Auth.	Actual	No.	Value	Intended	Actual	
DESK CHAIR	3	CRAWFORD FURN.		\$ 50.00 EA	P/q/c 685-0280-4-50238	000	000	N/A			BAKEL T. SOW'S HOUSE	YES GOOD
"	1	"		"	"	"	"	"			SENGHOR'S HOUSE	"
"	2	"		"	"	"	"	"			KANE'S HOUSE	"
"	1	"		"	"	"	"	"			J. BA'S HOUSE	"
"	5	"		"	"	"	"	"			WAREHOUSE	YES GOOD (4) + ONE BROKEN
BUFFET	2	CRAWFORD FURN.		\$ 290.00 EA							SENGHOR'S HOUSE	
"	2	"		"	"	"	"	"			T. SOW'S HOUSE	
"	1	"		"	"	"	"	"			M. KANE'S HOUSE	
"	2	"		"	"	"	"	"			J. BA'S HOUSE	

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME Irrigation & Water Management NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE Aug. 30, 1985
USAID PROJECT MANAGER W. Egan RESP. DIV/OFFICE TWME

Description	QTY	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
						Auth.	Actual	No.	Value	Intended	Actual	
BUFFET	5	CRAWFORD FURN.		\$ 290.00 EA	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL WAREHOUSE	YES (GOOD)
CHINA W MIRROR	2	CRAWFORD FURN.		\$ 300.00 EA	PRO/C 685-0280-4-50238	000	000	N/A			SENGHOR'S HOUSE	..
"	1	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	1	"		"	"	"	"	"			KANE'S HOUSE	"
"	1	"		"	"	"	"	"			T. BA'S HOUSE	"
"	1	"		"	"	"	"	"			WAREHOUSE	"
CHEST 5 DRAWER	1	CRAWFORD FURN.		\$ 212.00 EA	PRO/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	"
"	2	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	1	"		"	"	"	"	"			M. KANE'S HOUSE	"

* Definition of Non-Expendable Item (Per FPR Title 41 No. 7-7.5401-23)

"Non-Expendable Property is property which is complete in itself, does not lose its identity or become a component part of another article when put into use; is durable with an expected service life of two years or more and which has a unit value of more than \$500.

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\$510

USAID/SENEGAL
 SUPPLY MANAGEMENT OFFICE
 END-USE REPORT FOR NON-EXPENDABLE ITEMS
 (AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
 PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
 USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	QTY	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
						Auth.	Actual	No.	Value	Intended	Actual	
CHEST 5-DRAWER	1	CRAWFORD FURN.		\$ 212.00 EA	P/O/C 685-0280-4-50238	000	000	N/A			BAKEL I. BA'S HOUSE	YES GOOD
"	1	"		"	"	"	"	"			WAREHOUSE	"
DRESSER 3-DRAWER	1	CRAWFORD FURN.		\$ 150.00 EA	P/O/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	"
"	1	"		"	"	"	"	"			SOW'S HOUSE	"
"	1	"		"	"	"	"	"			MXANE'S HOUSE	"
"	2	"		"	"	"	"	"			I. BA'S HOUSE	"
"	7	"		"	"	"	"	"			WAREHOUSE	"
NIGHT STAND	3	CRAWFORD FURN.		\$ 95.00 EA	P/O/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	"
"	3	"		"	"	"	"	"			SOW'S HOUSE	"

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15/10

USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE INME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
NIGHT STAND	CRAWFORD FURN.		\$ 95.00 EA	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL M.KANE'S HOUSE	YES GOOD
"	"		"	"	"	"	"			I.BA'S HOUSE	"
"	"		"	"	"	"	"			WAREHOUSE	"
WARDROBE	CRAWFORD FURN.		\$ 276.00	PRO/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	"
"	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	"		"	"	"	"	"			M.KANE'S HOUSE	"
"	"		"	"	"	"	"			J.BA'S HOUSE	"
"	"		"	"	"	"	"			WAREHOUSE	- YES - DAMAGED
STUDENT DESK	CRAWFORD FURN.		\$ 150.00	PRO/C 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	YES GOOD

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USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	QTY	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
						Auth.	Actual	No.	Value	Intended	Actual	
STUDENT DESK	2	CRAWFORD FURN.		\$ 150.00	Pro/c 685-0280-4-50238	000	000	N/A			BAKEL T. SOW'S HOUSE	YES GOOD
"	3	"		"	"	"	"	"			M. KANE'S HOUSE	"
"	1	"		"	"	"	"	"			I. BA'S HOUSE	"
"	4	"		"	"	"	"	"			E. CONF ROOM	"
MIRROR	2	CRAWFORD FURN.		\$ 67.00	Pro/c 685-0280-4-50238	"	"	"			SENGHOR'S HOUSE	"
"	2	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	3	"		"	"	"	"	"			M. KANE'S HOUSE	"
"	3	"		"	"	"	"	"			I. BA'S HOUSE	"
"	5	"		"	"	"	"	"			WAREHOUSE	4 GOOD 1 without frame

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\$70

USAID/SENEGAL
SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
PROJECT AGREEMENT No. 685-0280 DATE AUG. 30, 1985
USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE I/NME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
BED FRAME QUEEN SIZE	CRAWFORD FURN.		\$ 25.00 EA	PRO/C 685.0280-4-50238	000	000	N/A			BAKEL SENGHOR'S HOUSE	YES GOOD
..	..		..	..	..	..	..			T. SOW'S HOUSE	..
..	..		..	..	..	..	..			M. KANE'S HOUSE	..
..	..		..	..	..	..	..			I. BA'S HOUSE	..
..	..		..	..	..	..	..			WAREHOUSE	..
BED FRAME TWIN SIZE	CRAWFORD FURN.		\$ 16.00 EA	PRO/C 685-0280-4-50238	000	000	N/A			WAREHOUSE	..
..	..		..	..	..	..	..			T. SOW'S HOUSE	..
..			M. KANE'S HOUSE	..
..			BA	..

* Definition of Non-Expendable Item (Per FPR Title 41 No. 7-7.5401-23)

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570

USAID/SENEGAL
 SUPPLY MANAGEMENT OFFICE
 END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
 PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
 USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	QTY	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
						Auth.	Actual	No.	Value	Intended	Actual	
BED HEADBOARD QUEEN SIZE	1	CRAWFORD FURN.		\$ 145.00 EA	PRO/C 685.0280-4-50238	000	000	N/A			BAKEL SENGHOR'S HOUSE	YES GOOD
"	2	"		"	"	"	"	"			T. SOW'S HOUSE	"
"	1	"		"	"	"	"	"			M. KANE'S HOUSE	"
"	1	"		"	"	"	"	"			I. BA'S HOUSE	"
"	1	"		"	"	"	"	"			WAREHOUSE	"
BED HEADBOARD TWIN SIZE	2	CRAWFORD FURN.		\$ 73.00 EA	PRO/C 685-0280-4-50238	"	"	"			T. SOW'S HOUSE	"
"	2	"		"	"	"	"	"			M. KANE'S HOUSE	"
"	2	"		"	"	"	"	"			I. BA'S HOUSE	"
"	6	"		"	"	"	"	"			WAREHOUSE	"

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USAID/SENEGAL
 SUPPLY MANAGEMENT OFFICE
 END-USE REPORT FOR NON-EXPENDABLE ITEMS
 (AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
 PROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985
 USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE INME

Description	QTY	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
						Auth.	Actual	No.	Value	Intended	Actual	
WATER FILTER 2 GALLON	6	...STIL OF RICHMOND		\$ 180.00 EA	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL WAREHOUSE	YES GOOD
LADDER 6 FEET	5			\$ 60.00 EA	..	..	..	..			WAREHOUSE	..
PILE RUG	2			\$ 177.00	..	..	..	..			SENGHOR'S HOUSE	..
..	2			..	..	..	..	..			T.SOW'S HOUSE	..
..	1			..	..	..	..	..			M.KANE'S HOUSE	..
..	1			..	..	..	..	..			J. BA'S HOUSE	..
MATRASS BOXSPRING	1		QUEEN SIZE	\$ 359.99 EA	PRO/C 685-0280-4-50238						SENGHOR'S HOUSE	
	2										T.SOW'S HOUSE	
	1										M.KANE'S HOUSE	

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USAID/SENEGAL
 SUPPLY MANAGEMENT OFFICE

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities - Grant Projects)

PROJECT NAME IRRIGATION & WATER MANAGEMENT NUMBER _____
 PROJECT AGREEMENT No. 685-0280 DATE Aug 30, 1985
 USAID PROJECT MANAGER W. EGAN RESP. DIV/OFFICE IWME

Description	Make	Serial Number	Cost	Purchasing Doc. & No.	Source/Origin		Waiver		Location		Recorded on Project Inventory
					Auth.	Actual	No.	Value	Intended	Actual	
MATTRESS & BOXSPRING		QUEEN SIZE	\$ 359.99 EA	PRO/C 685-0280-4-50238	000	000	N/A			BAKEL I. BA'S HOUSE	YES GOOD
"		"	"	"	"	"	"			EX.CONF. ROOM	"
MATTRESS & BOXSPRING		TWIN SIZE	\$ 239.98 EA	PRO/C 685-0280-4-50238	000	000	N/A			SENGHOR'S HOUSE	"
"		"	"	"	"	"	"			T.SOW'S HOUSE	"
"		"	"	"	"	"	"			M.KANE'S HOUSE	"
"		"	"	"	"	"	"			I. BA'S HOUSE	"
"		"	"	"	"	"	"			EX.CONF. ROOM	"

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENT

PROJECT AGREEMENT No. 685-0280 DATE Aug 30, 198

USAID PROJECT MANAGER W. EGAN OFFICE JINME

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	CONDITION	COMMENTS
MOTORCYCLES	PEUGEOT P50	9546748	BALLOU	GOOD	w/ mechanic Mr. Almany DIALLO
"	"	9547463	KIDIRA	"	w/ mechanic Mr. DIAWARA
"	"	9545220	MOUDERI	"	w/ mechanic Mr. M. CISSOKHO
"	"	9545242	BAKEL	"	reserved in SAED Garage
"	HONDA 125	5601147	DIAWARA	"	w/ Chef de zone Mr. DIOUF
"	"	5601146	BAKEL	"	w/ Chef de zone (FARM) Mr. S. DIALLO
"	"	5601143	BAKEL	"	BAKEL - COMMUNE w/ Mr. B. TRAORE
"	"	5601148	BALLOU	"	w/ Chef de zone Mr. C. DIALLO
"	"	5601145	KIDIRA	"	w/ Chef de zone Mr. I. JOHNSON
BOAT + TRAILER + MOTOR	JOHNSON-40CV	G7722386	BALLOU	"	Not used since two (2) years because of border problems.

* Definition of Non-Expendable item (AID HB 19, Chapter 15D-2)

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENTPROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985USAID PROJECT MANAGER W. EGAN OFFICE IWME

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	CONDITION	COMMENTS
GENERATORS	SDMO DX-6000	104794 L	BAKEL - WAREHOUSE	GOOD	} WILL BE DISTRIBUTED TO EACH "CHEF DE ZONE"
" "	" "	104795 L	" "	" "	
" "	" "	104796 L	" "	" "	
" "	YANMAR	H880148403	" "	" "	
" "	" "	H880148396	" "	" "	
" "	" "	CAN'T BE READ	" "	OUT OF ORDER (BURNT)	
" "	HONDA ES6500	-	M. T. SOW'S HOUSE	GOOD	
FUEL TANK FOR GENERATORS	-	-	SIX(6) IN WAREHOUSE	" "	} WILL BE DISTRIBUTED WITH GENERATORS
WATER TANK FOR HOUSES	-	-	SIX(6) IN WAREHOUSE	" "	
OIL PUMP	JAPY	-	GARAGE Two (2)	GOOD	
WATER PUMP	GUINARD	880586	" "	" "	FOR SAED'S BASE WELL
CHARGEUR BATTERIE	DARY CFL 40	-	GARAGE	" "	
" "	DARY CF 1510	-	" "	" "	
AIR CONDITIONER MOTORS	-	-	" " SIX(6)	" "	
FUEL TANK FOR BOAT	JOHNSON	-	" " THREE (3)	" "	

* Definition of Non-Expendable item (AID HB 19, Chapter 15D-2)

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENTPROJECT AGREEMENT No. 685-0280 DATE Aug. 30, 1985USAID PROJECT MANAGER W. EGAN OFFICE INME**FARM EQUIPMENT**

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
BROUETTE			DEMONSTRATION FARM - BAKEL	Four (4)	- GOOD	
COUPE-COUBE			"	Three (3) Seven (7)	- GOOD - BROKEN	
PULVERISATEUR			"	Three (3) One (1)	- GOOD - BROKEN	
ARROSOIRS			"	Four (4)	- GOOD	
SECATEURS			"	Two (2)	- GOOD	
BINETTES			"	Three (3)	- GOOD	
BOTTES (COUPLE)			"	Fifteen (15)	- GOOD	
SERPONNETTES			"	Two (2)	- GOOD	
RAMPES			"	FOUR (4)	- 3 GOOD	
HOUES			"	FIVE (5)	- OLD	
MARTEAU PLAT			"	One (1)	- GOOD	
TENAILLES			"		LOST	
EQUERRE			"	One (1)	- GOOD	
RABOT			"	One (1)	- GOOD	
FILON			"	One (1)	- GOOD	

* Definition of Non-Expendable item (AID HB 19, Chapter 15D-2)

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENT

PROJECT AGREEMENT No. 685-0280

DATE AUG 30, 1985

USAID PROJECT MANAGER W. EGAN

OFFICE IWME

FARM EQUIPMENT (CONT'D)

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
TRUELLE			DEMONSTRATION FARM - BAKEL	ONE (1)	GOOD	
MARTEAU DE 32			"	ONE (1)	"	
FIL A PLOMP			"	"	"	
NIVEAU			"	"	"	
BURIN DE MAÇON			"	"	"	
TABLEAU			"	"	"	
CALCULATRICE	SHARP		"	FIVE (5) ONE (1)	GOOD OUT OF ORDER	
BANC			"	Twenty (20)	GOOD	
TABLE			"	"	"	

* Definition of Non-Expendable item (AID HB 19, Chapter 15D-2)

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\$10

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENT

PROJECT AGREEMENT No. 685-0280

DATE Aug 30, 1985

USAID PROJECT MANAGER W. EGAN

OFFICE IWME

CAMPING EQUIPMENT

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
CAMPING BED + MATTRESS			BAKEL WAREHOUSE	Four (4)	GOOD	
CAMPING BED			T. SOW'S HOUSE	One (1)	- -	
CAMPING TENT			WAREHOUSE	Two (2)	- "	
CAMPING TENT (SMALL)			" "	One (1)	- "	
FOLDING TABLE			" "	One (1)	- "	
GAZ LANTERN	COLEMAN		" "	Four (4)	- "	
CAMPING STOVE	COLEMAN		" "	One (1)	- "	
ICE CHEST SUPPORT			" "	One (1)	- "	
SCREEN HOUSE			" "	Two (2)	- "	
ICE CHEST			J. P. SENGHOR'S HOUSE	One (1)	- "	

* Definition of Non-Expendable item (AID HB 19, Chapter 15D-2)

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

DRAFTING & TOPOGRAPHIC EQUIPMENT

PROJECT NAME IRRIGATION & WATER MANAGEMENTPROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1985USAID PROJECT MANAGER W. EGAN OFFICE IWME

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
TABLE DESSIN			DRAFTING ROOM	One (1)	- GOOD	
TABLE DESSIN (SMALLER)			"	"	- "	
MEUBLE A PLANS HORIZONTAL - 5 TROIS			"	Two (2)	- "	
ARMOIRE METAL 4 ETAGERES			"	Two (2)	- "	
TIREUSE DE PLANS	DART XL120	129927	"	One (1)	- OUT OF ORDER	
Table pieds chromés 30" x 50"			"	One (1)	- GOOD	
MIRE 10,5m			"	"	- "	
MIRE 4 m			"	Eight (8)	- "	
JALONS 2m			"	Ten (10)	- "	
TARIERE			"	Two (2)	- "	
PARASOL			"	One (1)	- "	
TABLE COUPANTE			"	One (1)	- "	
CHAINE 50m			"	Three (3)	- "	
CHAINE 50m			DEMONSTRATION FARM	One (1)	- "	
CHAINE 50m			Mr. KANE' HOUSE	One (1)	- "	

* Definition of Non-Expendable item (AID HB 19, Chapter 15D-2)

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENTPROJECT AGREEMENT No. 685-0280 DATE AUG 30, 1988USAID PROJECT MANAGER W. EGAN OFFICE TWME

DRAFTING & TOPOGRAPHIC EQUIPMENT (CONT'D)

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
CHAINE 60M			DRAFTING ROOM	One (1)	- GOOD	
NIVEAU A MAIN AVEC ECHELLE DE LECTURE			" "	Two (2)	- "	
NIVEAU A MAIN			" "	Three (3)	- "	
TACHEOMETRE			" "	One (1)	- "	
PLANIMETRE			" "	Two (2)	- "	
PLANIMETRE			" "	One (1)	- "	
PETIT MOULINET AVEC SUPPORTS			" "	Two (2)	- "	
"T" A DESSIN (TABLE)			" "	One (1)	- "	
GRAND MOULINET AVEC VALISE			" "	One (1)	- "	
LAMPE POUR TABLE DESSIN			" "	One (1)	- "	
EVACUATEUR D'AIR			" "	Two (2)	- "	
TUBES LARGES (PEDOLOGIE)			GARAGE	Three (3)	- "	
TUBES MOYENS (PEDOLOGIE)			" "	Two (2)	- "	
CHAISE DESSIN			EX. CONFERENCE ROOM	One (1)	- "	
TENSIDOMETRE (PETIT)			Mr. DIENG'S OFFICE	Three (3)	- "	

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lucy
6/10

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENT

PROJECT AGREEMENT No. 685-0280 DATE Aug 30, 1985

USAID PROJECT MANAGER W. EGAN OFFICE JWME

DRAFTING & TOPOGRAPHIC EQUIPMENT (END)

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
TENSIOMETRE (MOYEN)			M. DIENG'S OFFICE	Two (2)	OUT OF ORDER	
TENSIOMETRE (GRAND)			" "	One (1)	GOOD	
TIREUSE DE PLANS	CALCOMP 1023	934 Z 047	M. KANE'S OFFICE	One (1)	NEVER USED BY SAED	
PENETROMETRE SANS TIGES			" "	One (1)	INCOMPLETE CAN'T BE USED	
PH metre (soil tester)			" "	One (1)	GOOD	
COMPTE TOURS DIRECT			" "	One (1)	" "	
COMPTE TOURS ELECTRONIQUE			" "	One (1)	" "	
CAISSE MATERIEL DE PEDOLOGIE			WAREHOUSE	Three (3)	" "	

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Lucas [signature]

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME Irrigation & Water Management

PROJECT AGREEMENT No. 685-0280

DATE Aug 30, 1988

USAID PROJECT MANAGER W. EGAN

OFFICE NAME

AUDIO-VISUAL EQUIPMENT

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	CONDITION	COMMENTS
TELEVISION	SONY KV 1380 R	5042506	Mr. KANE'S OFFICE	One (1) - GOOD	WILL GO TO THE NEW CONFERENCE ROOM
MAGNETOSCOPE	PANASONIC PU 4800	E8AC14385	" "	One (1) - "	" "
VIDEO-CAMERA + ACCESSOIRES	NIKON		w/ Mr. J. BA	One (1) - "	" "
PROJECTEUR	DA-LITE NU-LYTE TV	D102960	" "	One (1) - GOOD NEVER USED	" "
DATEUR	RAPID-PRINT AR-E	323632 323633	" "	Two (2) - "	WILL BE USED BY SECRETARY
POLAROID INSTAMATIC	POLAROID		w/ HAZZA TEAM	One (1) - GOOD	
OLYMPUS 35mm CAMERA	OLYMPUS 35mm		w/ Mr. Kane	One (1) - GOOD	

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8/30

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENTPROJECT AGREEMENT No. 685-0280 DATE Aug 30, 1985USAID PROJECT MANAGER W. EGAN OFFICE IWME

COMPUTER EQUIPMENT & AIR CONDITIONERS

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	CONDITION	COMMENTS
COMPUTER-MICRO	ZENITH ZA-180-57	9012002501	Mr. SENGHOR'S OFFICE	GOOD	
COMPUTER	HP CM-1365		Mr. SOW'S OFFICE	"	
COMPUTER MICRO	ZENITH	9011476501	Mr. SOW'S HOUSE	"	
PRINTER	HP THINK JET	DS16XU2225P	Mr. SOW'S HOUSE	"	
PRINTER	EPSON 1050		Mr. SOW'S OFFICE	"	
COMPUTER MICRO	ZENITH		Mr. DIENG'S OFFICE	"	
COMPUTER	ZENITH		W HARZA IN DAKAR	"	
COMPUTER	COMPAQ		W HARZA IN DAKAR	"	
PRINTER	EPSON 1050		W HARZA ?	"	
AIR CONDITIONER	FEDDERS 1.5CV		Mr. KANE'S OFFICE	"	
"	"		Mr. SA'S OFFICE	"	
"	"		SECRETARY'S OFFICE	"	
"	"		Mr. SOW'S OFFICE	"	

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENTPROJECT AGREEMENT No. 685-0280DATE Aug. 30, 1985USAID PROJECT MANAGER W. EGANOFFICE TWME**OFFICE EQUIPMENT**

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	CONDITION	COMMENTS
COPY MACHINE	MITA DC-1205	052061H	Ex. M ^r . SOW'S OFFICE	DON'T WORK VERY WELL	
"	MITA DC-1205	051511H	SECRETARY'S OFFICE	"	
"	OLIVETTI 7005	PJA 35667	M ^r . SOW'S OFFICE	OUT OF ORDER	
TYPEWRITER	IBM 6783	11-0042230	Ex. SECRETARY'S OFFICE	GOOD	
"	HERMES 35		SECRETARY'S OFFICE	"	
REFRIGERATOR	GEN. ELECTRIC 13.7 CF		REST ROOM	GOOD	
CALCULATOR	SHARP EL 1197 II	78043110	M ^r . BA'S OFF.	OUT OF ORDER	
DESK LAMP			M ^r . DIENG'S OFF.	"	
"			M ^r . SENGHOR'S OFF.	"	
"			M ^r . KANE'S OFF.	"	
"			Ex. SECRETARY'S OFF.	"	
"			M ^r . SOW'S OFF.	"	
TABLE FAN			WAREHOUSE	Four (4) - GOOD	
TRANSFORMERS			~	Twenty Four (24) - GOOD	DISTRIBUTED AS NECESSARY THROUGH HOUSES & OFFICES
IMAGE MAKER	GSC 2.000	AF00829	SECRETARY'S OFF.	GOOD	

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENTPROJECT AGREEMENT No. 685-0280DATE Aug 30, 1981USAID PROJECT MANAGER W. EGANOFFICE INME

OFFICE EQUIPMENT (CONT'D)

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
EXECUTIVE CHAIR			Mr. DIENG'S OFFICE	One (1)	- GOOD	
"			Mr. SENGHOR'S OFF.	"	- "	
"			Mr. KANE'S OFF	"	- "	
"			EX. CONF. ROOM	"	- "	
"			Mr. BA'S OFFICE	"	- "	
"			Mr. SOW'S OFFICE	"	- "	
VISITORS ARMCHAIR			Mr. SENGHOR'S OFF.	Two (2)	- "	
"			Mr. DIENG'S OFF.	Two (2)	- "	
"			Mr. KANE'S OFF.	"	- "	
"			EX. SECRETARY'S OFF.	One (1)	- "	
"			EX. Mr. SOW'S OFF.	One (1)	- "	
"			SECRETARY'S OFF.	One (1)	- "	
"			Mr. SOW'S OFF.	Three (3)	- "	
VISITORS CHAIR			Mr. DIENG'S OFF.	One (1)	- "	
"			Mr. SENGHOR'S OFF.	Three (3)	- "	

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENTPROJECT AGREEMENT No. 685-0280DATE Apr 30, 1985USAID PROJECT MANAGER W. EGANOFFICE IWMEOFFICE EQUIPMENT (CONT'D)

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
VISITORS CHAIR			M. KANE'S OFF.	Two (2)	- GOOD	
"			EX. SECRETARY'S OFFICE	Two (2)	- "	
"			EX. T. SOW'S OFF.	Five (5)	- "	
"			DRAFTING ROOM	One (1)	- "	
"			EX. I. BA'S OFF.	One (1)	- "	
EXECUTIVE DESK			M. DIENG'S OFF.	One (1)	- "	
"			M. SENGHOR'S OFF.	One (1)	- "	
"			M. KANE'S OFF.	Two (2)	- "	
"			M. BA'S OFF.	One (1)	- "	
"			M. SOW'S OFF.	One (1)	- "	
FILE CABINET 5 DRAWERS			M. DIENG'S OFF	One (1)	- "	
"			M. SENGHOR'S OFF	One (1)	- "	
"			M. KANE'S OFF	Two (2)	- "	
"			EX. SECRETARY'S OFF	Four (4)	- "	
"			M. BA'S OFF	Two (2)	- "	

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENT

PROJECT AGREEMENT No. 685-0280

DATE Aug 30, 1985

USAID PROJECT MANAGER W. EGAN

OFFICE INME

OFFICE EQUIPMENT (CONT'D)

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
FILE CABINET 5 DRAWERS			SECRETARY'S OFF.	One (1)	- GOOD	
BOOKCASE - METAL 3 SHELVES			M. DIENG'S OFF.	One (1)	- ..	
..			M. SENGHOR'S OFF.	..	- ..	
..			M. KANE'S OFF.	..	- ..	
..			EX. SECRETARY'S OFF.	..	- ..	
..			M. BA'S OFF.	One (1)	- ..	
..			M. SOW'S OFF.	..	- ..	
SECRETARY'S DESK WITH RETURN			EX. SECRETARY'S OFF.	One (1)	- ..	
..			SECRETARY'S OFF.	..	- ..	
SECRETARY'S CHAIR			EX. SECRETARY'S OFF.	One (1)	- ..	
..			M. BA'S OFF.	One (1)	- ..	
..			SECRETARY'S OFF.	One (1)	- ..	
COMPUTER TABLE			M. SOW'S OFF.	Two (2)	- ..	
STORAGE CABINET 2-DOORS - METAL			WAREHOUSE	Four (4)	- ..	
..			M. BA'S OFF.	One (1)	- ..	

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lucy
BTR

END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENT

PROJECT AGREEMENT No. 685-0280

DATE Aug 30, 1968

USAID PROJECT MANAGER W. EGAN

OFFICE INME

OFFICE EQUIPMENT (END)

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
STORAGE CABINET 2-DOOR . METAL			SECRETARY'S OFFICE	Two (2)	- GOOD	
ALL PURPOSE TABLE 30" x 60"			Mr. DIENG'S OFF.	One (1)	- "	
"			Mr. SENGHOR'S OFF.	"	- "	
"			Mr. BA'S OFF.	"	- "	
"			SECRETARY'S OFF.	"	- "	
ALL PURPOSE TABLE 24" x 60"			Mr. SENGHOR'S OFF.	"	- "	
ALL PURPOSE TABLE 30" x 22"			Mr. BA'S OFF.	"	- "	
ALL PURPOSE TABLE 18" x 60"			SECRETARY'S OFF.	"	- "	
"			Mr. SOW'S OFF.	"	- "	
"			Rest Room	"	- "	
FOLDING CONFERENCE TABLE			Ex. CONF. ROOM	"	- "	
COFFEE TABLE (WOOD)			Ex. CONF. ROOM	"	- "	
FLIP CHART BOARD	PADEX		Mr. SENGHOR'S OFF.	"	- "	
SAFE	MEILICK		Mr. BA'S OFF.	"	- "	
SOFA			Mr. SOW'S OFF.	Two (2)	- "	

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END-USE REPORT FOR NON-EXPENDABLE ITEMS

(AID financed commodities through Contractor)

PROJECT NAME IRRIGATION & WATER MANAGEMENT

PROJECT AGREEMENT No. 685-0280

DATE AUG 30, 1985

USAID PROJECT MANAGER W. EGAN

OFFICE INME

MISCELLANEOUS

DESCRIPTION	MAKE & MODEL	SERIAL NUMBER	LOCATION	QTY	CONDITION	COMMENTS
LOCAL MADE CHAIR WOOD W FABRIC UPHOLSTERY			WAREHOUSE	Four (4)	GOOD	
LOCAL MADE WOOD TABLE			"	One (1)	"	
WATER FILTER	BURON		"	Four (4)	"	
GAS - RANGE	RHOYXON 5-FIRES		M. BA'S HOUSE	One (1)	"	
"	RHOYXON 4-FIRES		M. SOW'S HOUSE	One (1)	GOOD	
"	SIDEX 4-FIRES		"	"	"	

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Mason

ANNEX D - PROJECT BIBLIOGRAPHY

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