

P.D. ABF. 096
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Agricultural Development Support Program
279-0052

Project Assistance Completion Report

Prepared For

United States Agency for International Development
Sana'a, Yemen

May 11, 1992

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PROJECT ASSISTANCE COMPLETION REPORT

Agricultural Development Support Program (ADSP)
279-0052

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SUMMARY

As a result of the Gulf Crisis, the U.S. Department of State directed that the USAID Yemen agricultural portfolio be terminated. Most activities of the \$125 million Agricultural Development Support Program (ADSP) were phased-out in early 1991. The last two consultants working on ADSP left the country in September 1991, after closing down activities and turning over the commodities procured under the project. The Mission remained committed to complete the training of all participants outside Yemen at the time of the Gulf Crisis and agreed to complete one remaining construction activity.

In March 1992, the Mission retained the services of a consultant to assess the ADSP and assist in completing the close-out process. This Project Assistance Completion Report is a product of that exercise.

A review of the project activities has shown that the Mission and the technical assistance team did a commendable job in accomplishing most of the planned outputs and end-of-project status while working under difficult conditions and dealing with slow reacting bureaucracies.

However for the project (which was terminated prematurely) to meet its planned goal and purpose there are several actions that need to be taken by ROYG and USAID. The actions to be implemented by ROYG to assure the sustainability of the activities developed under the project are in the form of Key Recommendations (See Section V for the complete list):

- The two involved ministries and Sana'a University need to provide adequate budget support to assure that all facilities and equipment are properly maintained.
- The human resources developed under the project should be used for the benefit of the project and all the returning participants guaranteed challenging positions that will best use their talents for the benefit of ROYG.
- The curriculum developed under the project be formally approved and fully utilized.
- The valued plant quarantine, protection, and certification programs developed under the project be made fully operational.

The Actions to be under taken by USAID included (See Section VII for details):

- Obtain deobligation authority from AID/W to transfer the funding for the 44 participants, currently in training outside Yemen,

be formally closed.

- Continue close linkages with U.S. educational institutions by maintaining a flow of participants for training in management of natural and human resources.
- Provide funding to complete the commitment to provide cost sharing of the Agricultural Statistical Building for the MAWR.
- Provide a mechanism and funding to assure adequate spare parts to keep the American equipment operational that was imported into the country under the program.

ABBREVIATIONS AND ACRONYMS

ADSP	Agricultural Development Support Program
AEDS	Agricultural Education and Development Sub-project
CID	Consortium For International Development
DTIII	Development Training III Project
FAR	Federal Acquisition Regulation
FFP	Farming Practices For Productivity
FOA	Faculty of Agriculture Sub-project
HITS	Horticulture Improvement and Training Sub-project
ISAI	Ibb Secondary Agriculture Institute
MAWR	Ministry of Agriculture and Water Resources
MOE	Ministry of Education
MFD	Ministry of Planning and Development
OIT	Office of International Training
PETS	Poultry Extension and Training Sub-project
PII	Project Implementation Letter
PIO/T	Project Implementation Order/Technical Services
ROYG	Republic of Yemen Government
SMY	Support Module - Yemen
USAID	United States Agency For International Development
USG	U.S. Government

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PROJECT ASSISTANCE COMPLETION REPORT

**Agricultural Development Support Program (ADSP)
2279-0052**

I. BACKGROUND AND PURPOSE

In the early 1970's, a 15 to 20 year assistance program to the Republic of Yemen Government (ROYG) agriculture sector was conceived. As a result, the Mission's first agriculture project was initiated in July 1974 (Poultry, 279-0019) followed by the Agricultural Development Support Program (ADSP) whose Project Grant Agreement was signed on June 14, 1979. ADSP started by supporting the Ibb Secondary Agricultural Institute (ISAI). During the next few years the ADSP took the form of a "Core" sub-project and four additional sub-projects. Core was an institution building program within the Ministry of Agriculture and Water Resources and the four additional sub-projects provided assistance in specific subject matter areas critical to the development of Yemen.

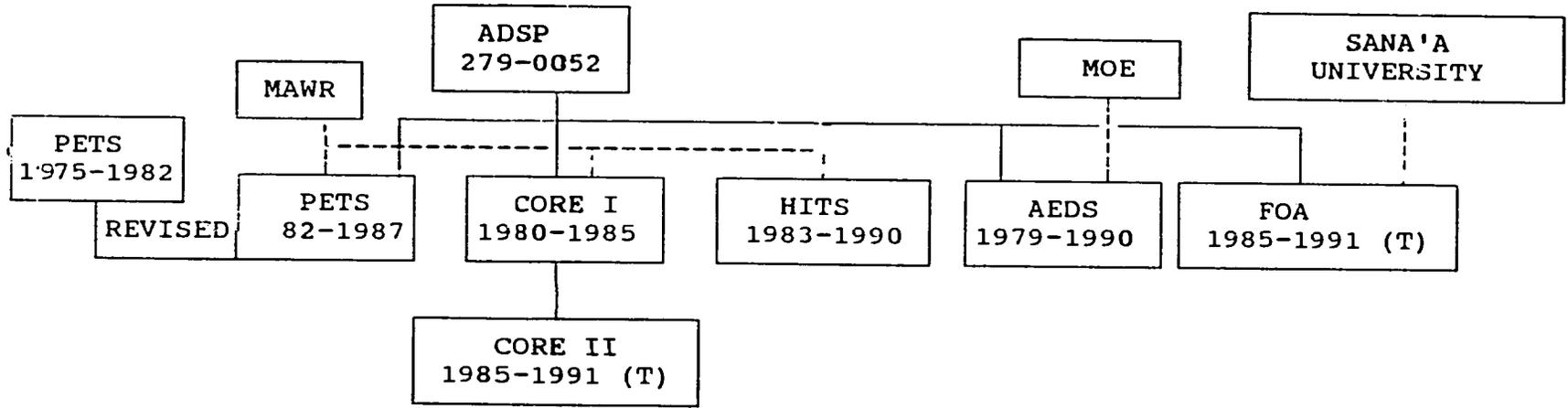
The Consortium for International Development (CID) assisted in the original design and provided the required technical assistance for project implementation. Between 1982 and 1985 all five activities were designed or redesigned and five project papers issued. The original Grant Agreement has been amended 33 times to add funding and establish PACOs for each of the sub-projects. The five sub-projects are:

- 279-052.1 Core Sub-project
- 279-052.2 Agricultural Education and Development Sub-project (AEDS), (Previously Ibb Secondary Agricultural Institute - ISAI)
- 279-052.3 Poultry Extension and Training Sub-project (PETS)
- 279-052.4 Horticulture Improvement and Training Sub-project (HITS)
- 279-052.5 Faculty of Agriculture Sub-project (FOA)

The organization chart on page 5 provides the relationship between the ADSP sub-projects and the three implementing agencies.

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Until the Gulf Crisis, the agricultural portfolio was the largest portfolio in the USAID/Yemen program. As a result of Yemen's political position during the Gulf Crisis, the U.S. Department of State directed that the agricultural portfolio be terminated. The ROYG Ministry of Planning and Development (MPD) was informed of this in a letter sent in April 1991.

The CID technical assistance contract team was evacuated during the Crisis. A few CID team members returned to close-out the consulting activities and the last team members departed Yemen for good in September 1991. In the few months following the April decision, USAID/Yemen and CID proceeded to transfer property and turn over responsibilities for project activities to host country institutions. Final close-out procedures have not yet been completed.

The purpose of this report is to provide the Mission with an independent assessment of the results of a 13 year development effort under the ADSP. This assessment document will be used in the final close-out procedures for the agricultural portfolio. The lessons learned from ADSP should be shared with other donors and be used by USAID when the political policy allows for USAID to consider continued assistance to the agricultural sector. Before any future project design is initiated, this report along with the mid-term and final evaluations of the various sub-projects should be thoroughly reviewed. These documents along with the World Bank Agriculture Sector Assessment Report of 1992 should provide solid guidance for future effective interventions in the sector.

II. STATUS OF PROGRAM

This section provides a brief summary of the status of each sub-project including its background and summary of the funding status.

The total funding planned under the ADSP was \$124,687,629 of which \$112,287,629 has been obligated. The total expenditures as of 31 March 92 are approximately \$106,739,578¹. The amount that can be de-obligated from the project is \$5,548,051 after accounting for the accruals (final billings and overhead adjustments from CID), reserving \$500,000 for construction of the

¹ Throughout this report, the controlling figures are those shown in the Grant Agreement No. 33 and the amounts shown in the March 28, 1992 de-obligation cable.

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the current pipeline for training to assure that all those in training outside of Yemen will complete their course-work.

052.1 Core Sub-project

The project purpose was to improve the capacity of the ROYG to plan and monitor a national agricultural development program supportive of private sector production and marketing. The ROYG implementing agency was the Ministry of Agriculture and Water Resources (MAWR). The project began in August 1980 as Core I which was phased into Core II in 1988. Core II was to have been completed in September 1992. Oregon State University was the initial consultant, followed by Colorado State University in 1988 which took over as the lead university for CID, the Project Technical Assistant Consultant. Total planned funding was \$58,015,000 of which \$53,579,367 was obligated.

An interim evaluation was carried out by Ricards International, Inc., Silver Springs, Maryland in April 1990. In addition, Devres, Inc. of Bethesda, Maryland provided an interim evaluation of the Support Module - Yemen in November 1989.

In April 1991, it was agreed that the termination of the ADSP sub-projects would not affect the participants that were in training outside Yemen and that the participants would all be shifted to Core funding. As of March 1992, 43 Yemeni participants² in training (43 in the United States, 2 in Egypt). All participant training will be completed by December, 1995. It was further agreed that USAID would provide \$500,000 support for the MAWR construction of the agriculture statistics building. The construction of the statistics building is tentatively scheduled to begin July 1992 and be completed by June 1993.

As of 31 March 1992, after accounting for the remaining expected expenditures, final billings, and possible additional participant costs of \$400,000 and reserving \$500,000 for the Agricultural Statistics Building, \$2,822,310 can be de-obligated from the Core Sub-project.

² When the policy decision was made to close-out the project, the participants from all sub-projects were transferred to Core for ease of funding. This report treats all participants as though they belong to Core.

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052.2 Agricultural Education and Development Sub-project (AEDS)
(Previously Ibb Secondary Agricultural Institute - ISAI)

The project purpose was to establish a training center capable of serving Yemen governmental and rural (private) sector needs for personnel with middle-level agricultural skills. The initial effort focused on ISAI and later expanded to two additional sites. The ROYG implementing agency was the Ministry of Education. The project began in June 1979 and was completed in September 1990. New Mexico State University was the lead university for CID in the project. Total planned funding was \$17,769,918 of which the total amount has been obligated.

A final evaluation report was issued October 18, 1990, by Devres, Inc. of Bethesda, Maryland.

As of 31 March 1992, after accounting for accruals it appears that \$110,685 can be de-obligated from the AEDS Sub-project.

052.3 Poultry Extension and Training Sub-project (PETS)

The purpose of this project was to implement a better training program within the Livestock Resources Division of the MAWR to increase poultry and egg production in the traditional sector. The ROYG implementing agency was the Ministry of Agriculture and Water Resources. The project which was started in 1975 under project 279-0019 as a stand-alone project activity, and, in 1982 was redesigned and moved under the umbrella ADSP. All field activities and technical assistance were completed in August 1987 with only participant training continuing through December 1990. Oregon State University was the lead university for CID in the project. Total planned funding was \$5,317,711 and that total has been obligated.

After the field activities were completed, a partial evaluation was carried out during late 1987 and 1988.

The remaining \$42,539 left in the sub-project can be de-obligated.

052.4 Horticulture Improvement and Training Sub-project (HITS)

The purpose of the project was to institutionalize an expanded and improved capacity to support increased fruit production within the implementing agency, the Ministry of Agriculture and Water Resources. The project began in February 1983 and was completed in December 31, 1990. California State Polytechnic

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University at Pomona was the lead university for CID in the project. Total planned funding was \$14,385,000 with the same amount being obligated.

The project was completed in December 1989 and a final evaluation report was issued March 1990 by Ricards International, Inc., Silver Springs, Maryland.

There is \$216,278 that can be de-obligated from the HITS Sub-project.

052.5 Faculty of Agriculture Sub-project (FOA)

The project purpose was to support Sana'a University's Faculty of Agriculture that would in-turn provide trained human resources for the private and public agricultural sector. The ROYG implementing agency was the Faculty of Agriculture of the University of Sana'a. The project began in May 1985 and was to have been completed by April 30, 1996. Oregon State University was providing the needed technical assistance as the lead university for CID. Total planned funding was \$29,200,000 of which \$21,235,633 was obligated.

It appears that after the final billings are in, \$1,356,239 can be de-obligated from the FOA Sub-project.

III. CONTRIBUTIONS

The following table provides a summary of USAID's financial contribution to the program.

SUB-PROJECT	PLANNED OBLIGATIONS	ACTUAL OBLIGATIONS	EST. FINAL EXPENDITURES
CORE	\$58,015,000	\$53,579,367	49,757,057
AEDS	17,769,918	17,769,918	17,659,233
PETS	5,317,711	5,317,711	5,275,172
HITS	14,385,000	14,385,000	14,168,722
FOA	<u>29,200,000</u>	<u>21,235,633</u>	<u>19,879,394</u>
TOTAL	\$124,687,629	\$112,287,629	\$106,739,578

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The planned obligations were taken from Grant Amendment No. 33, dated 31 of March, 1990. At that time, AEDS, PETS, HITS, and Core were complete or nearly complete with the other sub-projects scheduled to be completed by April 1996. (Attachment 1 provides a more detailed summary of the obligations and expenditures to date).

Of the total final expenditures on the project, seven percent or approximately \$14 million was spent on the procurement of commodities. The list of commodities is provided as Attachment 2. Because of the volume involved, the Mission and the close-out consultant decided to carry-out an End Use Check on at least 15 percent of all items costing over \$1,000 (See Attachment 3).

The End Use Check was carried out in April - May 1992, examining 38 percent of all commodity line items costing more than \$1,000 each. Of the equipment examined, approximately 70 percent was operational and the remainder require repair. Those items that were out-of-order had not been repaired because the required parts were not available in the local market or in the case where parts are available there was insufficient funds to purchase the parts. In general, the items that were out-of-order were mainly farm tractors and implements and scientific and laboratory equipment. Section VII provides recommendations addressing the spare parts issues.

A review of the March 31, 1992 MACS print-out showed a total of 198 procurement actions outstanding, of which over half are training-related. In consultations with the Controller's Office it was agreed to close 84 of the open line items. The Controller has requested CID to submit their final billings. Once the billings are received and the participant training activities are transferred to another project, all procurement actions under ADSP can be closed except for the construction of the agricultural statistics building and funds for spare parts.

IV. PROJECT ACCOMPLISHMENTS

Attachment 4 is a matrix comparing the planned and actual outputs and the planned end-of-project status compared with actual accomplishments for each of the five sub-projects. In general, the planned outputs were met for all sub-projects. There were cases where the planned outputs exceeded expectations and an equal number where there was a short-fall. Not all the outputs were accomplished for Core and FOA because of the early termination of those sub-projects. This is a commendable job when considering the difficult working conditions while dealing with slow reacting bureaucracies.

The accomplishments, however, were not as successful at meeting the planned purpose (End-of-Project status). The accomplishments fell short in most cases concerning full institutionalization and producing sustainable activities. The most critical issues appear to be a lack of strong management skills and operating budgets within the various Ministries. In addition, the skills of the returning participants do not appear to be fully-integrated into the system.

On the bright side, one of the major accomplishments of ADSP from a technical and political view point was the large amount of long-term training carried out in the United States. There has been a total of 95 participants sent for degree and advanced degree training, of which 44 are continuing their education (Attachment 5). Of the total, 69 have received or are in training in the United States. Not only do these individuals bring back excellent technical and management skills to be used to benefit the Yemen economy, but they bring with them strong ties to the United States and the democratic ways of doing business. Every individual interviewed during this assessment that had training in the United States made a point of pointing out the benefits that he/she received from "their" university in the U.S.A. and how they want to keep the lines of communication open between Yemen and the United States.

The following sub-sections provide a listing of a few of the more significant project accomplishments by sub-project.

052.1 Core Sub-project

Core represents nearly 50 percent of the funding for ADSP. It has been operational since 1980 with a focus on institutional strengthening. The accomplishments of an institutional strengthening project, which includes such activities as changing attitudes and the way individuals work, are difficult to measure. The project has:

- Strengthened the planning and policy analysis, agricultural economics and marketing, and statistics and data collection capabilities of the Ministry staff.
- Established and equipped a Documentation and Learning Resource Center.
- Established numerous monitoring and record-keeping systems.
- Provided 140 months of short-term in-country training and ~~countless~~ hours of on-hands training to the staff of the MAWR.

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**052.2 Agricultural Education and Development Sub-project (AEDS)
(Previously Ibb Secondary Agricultural Institute - ISAI)**

The specific objectives of the project have been basically realized with the one exception being that the Department of Agricultural Education was not adequately developed. The 1990 evaluation team found that:

- Seventeen Yemenized textbooks and 132 specifically designed instruction modules are being utilized.
- ISAI facilities and related equipment has been provided.
- Enrollments are strong.
- There is a recognized need for Post-Secondary Agricultural Institute level training of graduates to serve the technical needs of the agricultural sector.

052.3 Poultry Extension and Training Sub-project (PETS)

The project had a significant impact on Yemen's poultry industry during the years that it was active:

- Broiler production expanded over 400 percent (60,500 tons) over a five year period eliminating imports of frozen chicken.
- Egg production doubled between 1984 and 1987.
- Yemeni consumers were able to significantly upgrade their diets as a result of the increased meat and egg production.

052.4 Horticulture Improvement and Training Sub-project (HITS)

The accomplishments under HITS were mixed. The 1989 evaluation report rated this activity as "marginally satisfactory." The main accomplishments included:

- Two research and demonstration stations (al-Irra and al-Jarouba) became operational.
- Extension services were improved including establishing 36 demonstration plots and 32 training programs.
- Good germplasm repositories were established at both research stations.

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- An outstanding nursery plant certification program was developed.
- Awareness and understanding of Integrated Pest Management were increased.
- HITS helped increase nursery production in the ROYG from 12,000 to 80,000 budded trees per year.

The evaluation report concluded that HITS did not emphasize research enough, focused too much on the public sector nurseries with insufficient attention to encouraging the private sector, and did not provide sufficient technical information and recommendations to foster the development of a model system for the fruit industry. The report also concluded that, with the exception of the Integrated Pest Management effort, it was unlikely that the other activities would be sustained without continued outside assistance to the Ministry.

052.5 Faculty of Agriculture Sub-project (FOA)

This project had not yet reached its mid-point when the Gulf Crisis occurred and it was terminated. As such, there has not been time to reach many of the planned outputs envisioned under the project. The mid-term evaluation completed in June 1990 did point out that the FOA:

- Carried out a much needed long-range planning activity during 1989/90.
- Designed and constructed a 13 hectare Instructional Farm that was completed in March 1988.
- Competency Based curriculum was developed.
- Functional print shop established and equipped.
- All four of the participants that completed their studies have returned and taken positions with the University.
- Yemeni professors have taken over as head of all departments, previously held by expatriates.
- Faculty Library was partly stocked with books, journals, and technical reports.

- The FOA had 210 male and 8 female graduates during the initial project start-up (1988 to 1991) and 585 were enrolled at the termination of the project.

V. KEY RECOMMENDATIONS

The past evaluation reports provide detailed lists of recommendations for each of the sub-projects under the assumption that USAID would continue to be actively involved in the agriculture sector. This section summarizes some of the key recommendations that could affect the ability of the sub-projects under the ADSP to reach the original project goal and purpose (See Section II) and become sustainable over time.

The Mission should make every effort possible to track these key recommendations and encourage ROYG to implement them so the project will have a chance of meeting its planned goal and purpose. It is understood that under the current policy restrictions and Mission staff limitations, very little can be done. However, additional follow-on activities by USAID in the agricultural sector is not recommended unless these key recommendations are implemented.

052.1 Core Sub-project

- MAWR should develop a plan, including budgetary support, for the reintroduction of returning long-term participant trainees.
- MAWR should utilize staff trained under the project to strengthen its capabilities in planning and monitoring of agricultural development programs.
- MAWR should complete and equip the Statistical Building.
- MAWR should establish adequate budgets to maintain the existing equipment and computers that were purchased under the project.

052.2 Agricultural Education and Development Sub-project (AEDS) (Previously Ibb Secondary Agricultural Institute - ISAI)

The evaluation report of 1990 recommendations focused on concerns of sustainability of this project as did our site investigations. The most important recommendations are:

- The leadership at ISAI has not performed satisfactorily and should be changed (MOE changed the leadership in April during the preparation of this report).
- ROYG funding for advance curriculum development and institutionalization of the Secondary Agricultural Education system, continued staff development, the correction of serious physical plant structural failures at Ibb, and for general maintenance programs.
- Ministry should formally approve the new curriculum developed under the project.

052.3 Poultry Extension and Training Sub-project (PETS)

At the time of PETS completion in 1987, an evaluation was carried out that presented a set of recommendations to ROYG. The recommendations were targeted at policy and sustainability issues. At the present time, the poultry industry is dominated by the private sector. There is no key recommendations for this sector except that USAID need not get involved unless there are general areas of policy dialogue that would improve policies for the continued growth of the private sector growth.

052.4 Horticulture Improvement and Training Sub-project (HITS)

The recommendations of the evaluation report focused on ways to improve the proposed Farming Practices for Productivity (FPP) project as a follow on to HITS. However, the following are critical under the present circumstances:

- Operating budgets should be increased for the stations at al-Irra and al-Jarouba to allow them to repair the physical plant and equipment.
- Nursery plant certification program should be continued and fully coordinated between the plant protection and the horticulture departments of MAWR.
- MAWR plant quarantine and plant protection program should remain in place and have sufficient budgets to be fully operational.
- Create a system of charges to the private sector clients to cover the annual operating expenses (these stations should be the main source of new germplasm for the private sector).

052.5 Faculty of Agriculture Sub-project (FOA)

The following recommendations were derived from the mid-term evaluation and the end-of-tour reports:

- The budgetary support for the project from Sana'a University is inadequate. A revolving fund should be established by the University and replenished by the sale of farm products to generate funds needed to help maintain the facilities and support essential staff.
- The Instructional Farm should be fully utilized by the Faculty as part of the curriculum.
- The curriculum developed under the project should be fully utilized.
- An outreach component should be developed by establishing formal linkages with the appropriate Ministry units.
- A mechanism is needed to supply spare parts for the American equipment.

VI. LESSONS LEARNED

General lessons mentioned by the evaluation teams and close-out consultant are:

- The facilities and equipment will become ineffective without adequate operating and maintenance budgets established and maintained from the beginning of the program.
- The ADSP umbrella concept and central management model were an effective tool in theory. However, the roles and responsibilities need to be clearly defined and agreed to by all parties for the model to operate effectively and efficiently.
- If American equipment must be used, a generous supply for spare parts and associated inventory and control system needs to be provided for those categories of parts not normally available in country. Or as an alternative, a system needs to be put in place by the project to facilitate the private sectors ability to supply the required spare parts.

052.1 Core Sub-project

- The contractor selected for a predominantly institutional building project should have long-term experience in institutional building, be committed to providing continuity of staffing, and have some bilingual capabilities.
- An institution building plan, with measurable bench marks, should have been established at the onset of the project. The system should have included a monitoring system sensitive to the socio-cultural-political environment and had financial controls that would limit spending on unsustainable activities.
- The equipment procurement plan must consider the ability of the host country to cover the recurrent costs and have access to spare parts.

052.2 Agricultural Education and Development Sub-project (AEDS) (Previously Ibb Secondary Agricultural Institute - ISAI)

- The original design should have been broader to encompass the entire Secondary Agricultural Education system and a longer period was needed to assure sustainability of the program.
- U.S. training of all Yemeni teachers would have resulted in better training at lower cost than did training in Egypt.
- It appears that the formal ROYG approval process for review and approval of the curriculum developed under the project was not fully considered during project design.
- The World Bank standard world-wide secondary school facility design requires extensive adaptation for Secondary Agricultural Institute usage.

052.3 Poultry Extension and Training Sub-project (PETS)

The lessons learned from this activity are similar to many project's designed in the mid-1970's. The design did not focus on the national policies toward free markets, control of imports, licensing requirements, foreign exchange controls, and monopolies. In addition, the participant training was initiated without a clear understanding of what positions the trainees would return to once the training was complete. This lack of forethought had a negative impact on the overall project sustainability.

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052.4 Horticulture Improvement and Training Sub-project (HITS)

The evaluation team provided a lengthy set of lessons learned, focusing on how the proposed follow-on Farming Practices for Productivity (FPP) project could benefit from the difficulties encountered by HITS. The key lessons were:

- Project management had serious shortcomings and the Support Module - Yemen (SMY) was not completely effective and created serious conflicts over lines of authority.
- Institutionalization roles and responsibilities among HITS team members, USAID, and MAWR were not clear.
- USAID was understaffed for an effort of the size of HITS.
- Future expansion of citrus must be curtailed until the three major disease problems of canker, greening, and tristeza are controlled.
- Future activities in this area must include a full evaluation and understanding of the water resource inputs and how they can be used efficiently.
- The most urgent need for the sound development of a Yemen fruit industry is a strengthened MAWR quarantine department.

052.5 Faculty of Agriculture Sub-project (FOA)

- Any facility using large amounts of water should have a comprehensive water resource availability study of the basin where the facility is located.
- Lack of sufficient spare parts for American made equipment was having a negative impact after only three years.

VII. ACTIONS REQUIRED BY AID

A. USAID Continuing Monitoring Responsibilities

1. DISCUSSION

The Department of State has directed that the agricultural portfolio be terminated. USAID has complied with that directive, terminating the Agricultural Development Support Program and eliminating all USAID and FBN positions that supported and

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monitored the project. However, USAID has invested approximately \$106.7 million in the ADSP (most recent agriculture program) and there should be some assurance that this investment is utilized to the maximum extent possible for the benefit of the people of Yemen.

In light of the policy restrictions, lack of resources to leverage reforms, and the USAID staffing constraints, it will be very difficult for the Mission to continue to dialogue with the Ministries involved with ADSP. However, every attempt should be made to convince the ministries that they should, at a minimum, implement the key recommendations listed under Section V above. If ROYG is unable to implement the key recommendations over the next few years with their own resources.

2. ACTION

a. The Director should meet with the concerned ministries periodically to discuss progress in carrying out the key recommendations listed under Section V.

b. If political restrictions of working with agriculture are relaxed, USAID should not consider any future follow-on activities in the agriculture sector if the ROYG does not, at a minimum, implement the key recommendations.

B. Continue Linkages With U.S. Educational Institutions

1. DISCUSSION

Adequate technical knowledge of modern agricultural practices, agribusiness (marketing, packaging, etc.), and the ability to manage are lacking in Yemen. Expanding and improving management skills and agricultural-education institutions at all levels should be one of the USAID's future priorities. The lessons learned from past projects have shown that if agriculture projects are going to be sustainable, one key element is the human resource base and the other is financial viability. Clearly, the ADSP has made significant steps on improving the human resource base, but many more steps are needed. The assistance utilized by the Faculty of Agriculture is an excellent example of the significance and impact of participant training.

It is in the best interests of the USG for USAID to establish a mechanism to assure a continuous flow of technology through such mechanisms as participant training (degree and advanced degree), Fulbrights, and faculty exchanges. This should be supplemented

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by a continued flow of literature to assure that the technical staff trained under the project are kept current by having a source of publications and journals in the libraries established under the project. Such a program would have long-term political benefits to the USG, and, at the same time build a solid technical base for improved agriculture in Yemen.

2. ACTION

a. Subject to relaxation of restrictions on participant training the Mission should encourage the Ministries associated with this project to recommend candidates critical to their development needs for participant training through the DT III project. All training should include management as one of the focus areas.

b. The Mission should provide a small amount of foreign exchange for the libraries established under the various sub-projects to subscribe to key publications and journals according to priority listing of F.A.O. and with discussion with the MAWR and UOS.

C. Participant Training Transferred to DT III

1. DISCUSSION

There are 44 agriculture-related participants (Attachment 5) still in training outside of Yemen (40 in the United States, two in Egypt, and two in Jordan). The Mission has agreed that it would cause undue hardship to the participants to terminate their education. Considering the investment already made in their education, it would also not be in the best interest of the USG or ROYG to have their education terminated. However, to continue funding the participant training activities under the ADSP would require that the current CID contract remain active for several years and the PACD of ADSP be extended for the training activities. It is recommended that the Mission transfer the management and funding of all participants to the Development Training III project (279-0080), as a new line item under that project, in order to have a "clean" termination of the agriculture portfolio.

A review of the records indicates that it will be December 1995, before the last of the participants complete their studies; the current training pipeline is approximately three million, and that approximately \$400,000 in additional funding will be required beyond that currently in the PIO/P's to complete the participants' training (Contingencies have been provided for the usual extensions required and other unanticipated costs). These funds are being held in ADSP, but can be de-obligated once the

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participants are formally transferred to DT III. If there are insufficient funds to cover this batch of participants in the Development Training III project, funds from the future ADSP de-obligation should be re-obligated to the Development Training III project.

2. ACTION

a. Prepare a revised estimate of the costs of completing the training of the 44 participants from October 1, 1992 until the last participant completes his training (Estimated to be December 1995). Prepare Action Memorandum to NE/DP for their pursual with State to allow deobligation of agriculture funds and reobligation to DT III.

b. Notify OIT and CID that all funding for the participants under ADSP will end September 30, 1992 and funding for the completion of their training will be made available from Development Training III (279-0080) starting October 1, 1992. CID should submit a final estimate of funds needed through September 30, 1992 for the participants. It should be made clear to CID that all funds not needed for training under ADSP will be deobligated and there will be no funds for contingencies or overlooked charges.

c. Prepare face sheet PIO/Ps for the 44 participants currently in training establishing funding under DT III for the completion of their education effective October 1, 1992.

d. The mission must not complete the transfer process until there is a clear understanding with AID/W that the training funds can be deobligated under ADSP and be reobligated to DT III.

D. Agricultural Statistical Building

1. DISCUSSION

The Mission has agreed to provide \$500,000 towards the construction cost of the Statistical Building for MAWR under a FAR arrangement. The furnishings and equipment (Much of which was purchased with project funds) are currently available with MAWR. The construction appears to be a justifiable use of funds to assure that USAID investment in equipment and human resource development is put to good use.

On April 8, 1992, the Mission agreed to provide the first-two and, last-two progress payments towards the construction for a total of \$480,000. In addition, the Mission will provide a

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direct contract (Approximately \$20,000) with a private firm to provide construction over-site.

2. ACTION

- a. Assign an AID official responsibility for this activity including monitoring the A&E firms activities.
- b. Prepare a memorandum authorizing AID to enter into a direct contract with a private firm (Sole source) to provide the A&E services during construction.
- c. Prepare a scope-of-work (Drafted) and PIO/T for the A&E services.
- d. Prepare a memorandum authorizing MAWR to use al-Hashdi as the contractor without re-bidding the construction contract.
- e. Issue a new PIL 93 canceling PIL 78 and establishing \$480,000 for construction and \$20,000 for engineering services (Drafted). Define procedure for monitoring construction and payment terms.
- f. Coordinate the award of the AID A&E contract with that of the host country construction contract.
- g. In October 1992, prepare an action memorandum and issue a PIL extending the PACD of Core II to two months beyond the estimated completion date of construction (Approximately September 1993).

E. HITS Demonstration Plot

1. DISCUSSION

One of the HITS activities was the design of a one hectare bubbler irrigation demonstration plot on an individual farmer's field near Hodeidah. The design was completed and the required PVC pipe network installed. Since the bubblers were not available in-country, arrangements were being made to import 150 of them. Unfortunately, the paper work to allow the tax-free importation was lost between the Support Module-Yemen Component management office and the MAWR. As such, the bubblers have not been ordered and the farmer is left with an incomplete system. In effect, USAID has made a commitment to the farmer that has not been met and incurred costs in a nonfunctional system. Before HITS is completely closed, arrangements must be completed to purchase the required bubblers to make the demonstration plot functional.

2. ACTION

- a. Prepare scope-of-work to import the bubblers and complete the demonstration plot.
- b. Obtain bids from private sector firms interested in carrying-out the activity.
- c. Enter into a direct contract to complete the demonstration plot.

F. Need For Follow-up

1. DISCUSSION

During the preparation of this PACR, full consideration has been given for the need of a program audit. If the Mission was in the process of expanding and extending the agricultural portfolio, it would be beneficial to carry out a program audit. The audit could be effectively used to determine if ADSP needed improving and it could identify lessons learned that could be addressed in the design of follow-on or complementing projects or programs. However, the agricultural portfolio is being terminated because of the State Department policy, with no further interventions being planned in the agriculture sector in the foreseeable future. In addition, the End Use Check Report of commodities did not indicate any serious discrepancies. As such, a program audit would not serve a useful purpose at this time. However, the Mission may want to reconsider the merits of an audit depending on the results of the current ongoing non-federal audit of CID.

During the site visits, it was noted that the equipment, in most cases, was not clearly identified as being procured with USAID funds. The Mission should assure that all USAID-funded equipment on all projects be properly marked in accordance with USAID regulations.

2. ACTION

- a. Evaluate the results of the non-federal audit to determine if any additional action is needed.
- b. Notify all AID project officers to advise their counterparts that all USAID-funded equipment must be properly marked.

G. Spare Parts For American Equipment

1. DISCUSSION

It is clear from the evaluation reports and the Commodity End Use Check Report that the importation of American equipment into a country that has no supply of spare parts can be a costly mistake. However, the realities are that American equipment will be imported for use on USAID-financed projects. In the future, USAID should, regardless of the project or the sector, insist on a well, thought-out procurement plan that will assure that the equipment remains operational for 10 to 15 years. The plan should encourage establishing mechanisms to motivate the private sector to carry-out the initial procurement and set up a pipeline for spare parts.

If there are categories of equipment that are not profitable for the private sector participation, then a 10 year supply of spare parts should be ordered along with the equipment. However, this will require establishing a complex inventory, storage, and control system. The cost of the projects would increase, but the USAID investment both financially and politically would have a better chance of being protected.

AID/W recognizes that the Mission needs to protect the investment made in American equipment for the projects in Yemen. As such, \$300,000 has been authorized for use for setting-up a mechanism to provide needed spare parts.

In the case of the ADSP, there are two problem areas regarding the ability to keep the equipment operational. The first, is the case where the spare parts are available locally for the imported equipment, but the Ministries do not have the operation budgets to carry out the needed procurement. The second case, is where special equipment (Laboratory, scientific, farm implements, certain tractors and vehicles) is imported and there are no spare parts available in-country.

2. ACTION

a. Require that all future projects have a well thought-out detailed procurement plan that assures a supply of spare parts.

b. The Ministries should be advised that it is their responsibility to provide adequate budgets to assure that the equipment is maintained and operational where spare parts are available on the local market.

c. The Mission should request that the Ministries provide a

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detailed list and specifications of those spare parts not readily available on the local market (drafted).

d. Develop a scope-of-work for a private firm to finalize the spare parts list, import the parts, install, and assure all equipment is operational (drafted).

H. Procedure For Approval of Recommendations Coming Out of USAID-Funded Projects

1. DISCUSSION

There are several examples in the FOA and AEDS sub-projects where recommendations and improved techniques or teaching packages developed under the project were not fully implemented because of Ministry, University, or ROYG approval in-action. This is a generic problem with many USAID projects worldwide. For example, the curriculum developed under AEDS was approved at the technical level but never officially approved or disapproved at the Ministry. As such, the Surdud Agricultural School would not allow the teachers to officially use the new curriculum. Another example was recommended changes by the consultants for the FOA that the staff felt would improve the efficiency of the operation. However, the administration would not act on them. Nor would the administration give guidance on what changes would have to be made so that the changes would be acceptable and could be implemented.

There needs to be a review and approval or rejection process built into the projects up front in the Grant Agreement or PIL #1 for all USAID projects. The process should identify who is responsible for the review, what the time limits are, and how approvals or input to redesign will be handled.

2. ACTION

The Mission should require that all new project designs include provisions for review, approval, revision, and implementation of technical or administrative packages developed under the project. An effective way to accomplish this is to have the ministry involved participate actively in the design process.

I. Close-Out of the CID Technical Assistance Contract:

1. DISCUSSION

One of the main functions of this PACR is to provide for the close-out of the CID contract. This report and associated documentation provides the Mission with the information to proceed with the close-out of the contract. However, the final actions cannot be taken until the ongoing non-federal audit being carried out at CID Headquarters is completed, the pending audit of CID overhead is complete, and the final dollar billings have been received.

2. ACTION

a. Process the local currency final billing from CID and adjust the outstanding local currency advances. All documentation required is with the Mission Controller's Office.

b. Mission Program Office should approve Section I of the Contract Close-Out - Completion Statement (Drafted). This PACR and associated documents allows the technical office to provide a "Yes" to all six questions.

c. When the current non-federal audit of CID is complete, the Contractor's Office can complete Section II of the Contract Close-Out - Completion Statement.

d. When the final dollar billing from CID is processed, Section III can be completed and the close-out of the CID contract completed.

J. Taylor Woodrow, Close-out Contract dispute:

1. DISCUSSION

There is an unliquidated line item in the MACs print-out of \$322,901 against Taylor Woodrow, Incorporated (TWI) contract. TWI was retained to construct and equip the instructional farm at the Faculty of Agriculture.

TWI arranged for the importation of equipment that they were going to use during construction. They hired a local expeditor to work with the Customs Department at the Ministry of Finance, the Central Planning Organization and Sana'a University to prepare all the necessary documents to clear the equipment. During the process there were charges made against the expeditor and TWI that the documents were not in order and the Customs

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Department refused to release the equipment. The equipment is still being held by Customs.

In the meanwhile, TWI completed the construction of the FOA facilities. The University would not release the bond and customs and is demanding payment of duties on some of the equipment.

After several years of no progress on the issue, a committee was formed representing all parties. The committee reviewed the history of claims and counterclaims and produced a report and requested the Ministry of Finance approval. The recommendations in the report are not known, but, it is assumed that once approved, all parties will be satisfied and the final claim can be settled.

2. ACTION

a. The Director should contact the Ministers of Planning and Development and Sana'a University to request an early decision on the committee's report.

b. Once the committee's report is approved, USAID can settle the TWI final billing for liquidated damages with the concurrence of FOA.

Drafted by Ed Stains:05/10/92
C:\PACR.W51

MACS-P068

USAID / REPUBLIC OF YEMEN

DATE: 04/04/92

OPTION NO.: 0

SUMMARY PROJECT FINANCIAL REPORT BY PROJECT ELEMENT
AS OF 03/31/92REPORT PAGE NO.: 2
MISSION PAGE NO.: 2COUNTRY CODE: 279
OFFICE CODE: 400

OFFICE NAME : AG. DEVELOPMENT OFFICE

PROJECT NO./ ELEMENT NO.	PROJECT TITLE/ ELEMENT DESCRIPTION	FUND TYPE	START DT/ PACD	LIFE OF PROJ FUND	BLIGATIONS TO DATE	earmarks TO DATE	COMMITMENTS TO DATE	EXPENDITURES TO DATE	PIPELINE
2790052.01	AGR. DEV. SUPP. PROJ. - CORE	G	08/31/80	59,015,000	53,485,776	50,842,813	50,080,498	46,562,725	6,623,051
01	TECHNICAL ASSISTANCE		12/31/92		13,331,294	12,756,806	12,738,123	12,247,751	1,083,543
02	TRAINING				10,924,103	10,478,247	10,478,247	8,446,671	2,477,432
03	COMMODITIES				4,789,907	4,598,074	4,598,074	4,27,443	361,464
04	OTHER EXPENSES				9,281,341	8,645,312	8,601,680	8,501,315	780,325
05	ADMINISTRATION- YEMEN				10,152,522	9,541,398	9,541,398	9,116,568	1,035,954
06	ADMINISTRATION- USA				4,261,995	3,911,226	3,911,226	3,911,226	350,769
07	AUDIT & EVALUATION				245,314	211,750	211,750	211,750	33,564
08	CONSTRUCTION				500,000	500,000	0	0	500,000
2790052.02	AGR. DEV. SUPP. PROJ. - ISAI	G	06/14/79	17,769,913	17,863,508	17,854,781	17,654,781	17,752,912	100,596
01	TECHNICAL ASSISTANCE		12/31/91		7,492,521	7,487,756	7,487,756	7,432,993	59,623
02	TRAINING				1,921,536	1,921,536	1,921,536	1,886,444	35,092
03	COMMODITIES				3,190,044	3,190,044	3,190,044	3,190,030	2,014
04	OTHER EXPENSES				3,530,971	3,530,970	3,530,970	3,530,970	1
05	ADMINISTRATION- YEMEN				0	0	0	0	0
06	ADMINISTRATION- USA				1,671,603	1,671,603	1,671,603	1,571,603	0
07	AUDIT & EVALUATION				56,733	52,872	52,872	52,872	3,861
2790052.03	POULTRY AND TRAINING	G	08/26/82	5,317,711	5,317,709	5,276,829	5,276,829	5,285,677	31,632
01	TECHNICAL ASSISTANCE		12/31/90		1,417,657	1,417,657	1,417,657	1,417,657	0
02	TRAINING				1,059,233	1,019,803	1,019,803	1,029,851	30,282
03	COMMODITIES				361,813	361,813	361,813	361,813	0
04	OTHER EXPENSES				877,761	877,761	877,761	877,751	0
06	ADMINISTRATION- USA				660,378	660,378	660,378	660,378	0
08	CONSTRUCTION				940,867	939,417	939,417	939,417	1,450
2790052.04	AGR. DEV. SUPP. PROJ. - HITS	G	02/14/83	14,385,000	14,385,002	14,370,286	14,370,286	14,172,937	212,065
01	TECHNICAL ASSISTANCE		12/31/90		5,815,966	5,801,250	5,801,250	5,778,698	37,268
02	TRAINING				629,576	629,576	629,576	599,125	30,451
03	COMMODITIES				3,676,962	3,676,962	3,676,962	3,550,439	126,523
04	OTHER EXPENSES				2,596,142	2,596,142	2,596,142	2,578,317	17,823
05	ADMINISTRATION- YEMEN				0	0	0	0	0
06	ADMINISTRATION- USA				753,396	753,396	753,396	753,396	0
07	AUDIT & EVALUATION				108,520	108,520	108,520	108,520	0
08	CONSTRUCTION				804,440	804,440	804,440	804,440	0
2790052.05	AGR. DEV. SUPP. PROJ. - FOA	G	05/14/85	29,200,000	21,235,635	20,112,796	20,092,796	18,865,320	2,370,315
01	TECHNICAL ASSISTANCE		04/30/96		5,312,156	4,969,378	4,969,378	4,711,387	600,769
02	TRAINING				2,158,395	2,117,679	2,117,679	1,589,959	568,436
03	COMMODITIES				2,143,757	2,135,987	2,135,987	2,013,621	130,135
04	OTHER EXPENSES				2,853,188	2,853,187	2,853,187	2,701,615	151,573
05	ADMINISTRATION- YEMEN				0	0	0	0	0
06	ADMINISTRATION- USA				1,003,956	439,384	439,384	439,384	564,572
07	AUDIT & EVALUATION				244,281	64,648	64,648	64,648	179,633

Agricultural Development Support Program
279-0052

Non-expendable Commodities

Attachment 2 provides a list of the non-expendable commodities procured under the project with a purchase value of \$500 or more per line item. The attachment is made up of five separate attachments that were submitted to the three responsible implementing agencies as the final list of commodities purchased under the project. The letters of transmittal were sent to:

- | | | |
|---------------------------|--------------------|---------------------|
| • Ministry of Education | Attachment B | ISAI |
| • University of Sana'a | Attachment B | FOA |
| • Ministry of Agriculture | Attachment B, C, D | HITS, CORE
& SMY |

Each agency was asked to confirm that all items were received and are being used to benefit the project.

11 May 92

Consortium for International Development
Yemen A.R. Agricultural Development Support Program
Schedule of In-Country Non-Expendable Equipment
September 30, 1991

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
159	Tank, Water Heater	FOA	1,830	FOA
160	Tank, Water Heater	FOA	1,830	FOA
161	Tank, Water Heater	FOA	1,830	FOA
162	Computer Apple	FOA	1,144	FOA *
163	Projector, Motion Picture	FOA	989	FOA *
164	Projector, Motion Picture	FOA	989	FOA *
165	Refrigerator/freezer	FOA	835	AUC
166	Water Reel Travler	FOA	3,638	FOA
167	Portable auger	FOA	1,555	FOA
168	Milker	FOA	688	FOA
169	Transcriber	FOA	572	FOA *
170	Transcriber	FOA	572	FOA *
171	Micro logger	FOA	1,460	FOA
172	Micro logger	FOA	1,460	FOA
173	Interface, Cassette	FOA	980	FOA
174	Sprayer 85 gal	FOA	641	FOA
175	Rack Poultry Cooling	FOA	644	FOA
176	Machine ice	FOA	1,570	FOA
177	Table Surgery	FOA	1,475	FOA
178	Cleaner Water High Pressure	FOA	1,349	FOA
179	Spreader Fertilizer	FOA	1,612	FOA
180	Disk Hard for Apple Mac	FOA	848	FOA *
181	Mower 38"	FOA	806	FOA
182	Sink Cover Corner	FOA	532	FOA
183	Compressor Portable	FOA	500	FOA
184	Trailer Utility	FOA	646	FOA
185	Trailer Utility	FOA	646	FOA
186	Trailer, Tilt Deck	FOA	2,171	FOA
187	Hydroprobe	FOA	3,900	FOA
188	Wrench Set Rollaway	FOA	1,040	FOA
189	Balance	FOA	664	FOA
190	Milking Parlor	FOA	956	FOA
191	Milking Parlor	FOA	957	FOA
192	Cabinet, Chicken Killing	FOA	707	FOA
193	Table Eviscerating	FOA	1,500	FOA
194	Projector Sound/slide	FOA	687	FOA
195	Scale Metric Fairbanks	FOA	1,386	FOA
196	Germinator Light-dark	FOA	875	FOA
197	Crane Gantry 2 ton	FOA	1,407	FOA
198	Incubator auto turn	FOA	1,343	FOA
199	Incubator auto turn	FOA	1,343	FOA
200	Hatcher h-400-220	FOA	711	FOA
201	Hatcher H400-220	FOA	711	FOA
202	Sterilizer, Sterilmatic	FOA	3,059	FOA
203	Balance, Galaxy c400	FOA	664	FOA
204	Galance Galaxy c400	FOA	664	FOA
205	Thresher 3hp gas Grain plot	FOA	2,134	FOA
206	Bundle Cutter 36"	FOA	2,827	FOA
207	Thresher w/sorgum filler	FOA	6,050	FOA
208	Grain Drill	FOA	5,369	FOA
209	Generator 220v/50hz	FOA	2,153	FOA
210	Balance, top load Ohaus	FOA	650	FOA
211	Microscope	FOA	716	FOA
212	Microscope	FOA	716	FOA
213	Refrigerator 14 ft	FOA	1,311	FOA
214	Refrigerator 14 ft	FOA	1,311	FOA
215	Refrigerator 14 ft	FOA	1,311	FOA
216	Refrigerator 14 ft	FOA	1,311	FOA
217	Oven Drying Forced Convection	FOA	864	FOA

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
218	Modem Smartmodem	FOA	545	FOA
219	Generator Mobiel Diesel	FOA	26,650	FOA
220	Camera, Polaroid	FOA	895	FOA *
221	Sprayer, Power 55gal	FOA	1,095	FOA
222	Rake, Hay	FOA	2,290	FOA
223	Baler, Hay	FOA	6,650	FOA
224	Brood- unit	FOA	2,235	FOA
225	Light, Surgery 150w	FOA	1,103	FOA
226	Water Heater, Solar 120 Gal	FOA	1,830	FOA
227	Cabinet Slide-bank	FOA	608	FOA
228	Cabinet Slide-bank	FOA	608	FOA
229	Cabinet, Slide-bank	FOA	608	FOA
230	Viewer, Double on Frame Legs	FOA	675	FOA
231	Oven Drying	FOA	864	FOA
232	Oven Drying	FOA	864	FOA
233	Computer Macplus	FOA	1,285	FOA *
234	Dataframe xp 20	FOA	968	FOA *
235	Pipe Threader 1/8"-2"	FOA	1,172	FOA
236	Saw, Radial Arm 12"	FOA	1,400	FOA
237	Printer, Laserwriter plus	FOA	3,827	FOA *
240	UPS 1000 VA Pinground	FOA	985	FOA
241	UPS 1000 VA Pinground	FOA	985	FOA
242	Suburban 87 Chev	FOA	17,667	FOA
243	Suburban 87 Chev	FOA	17,667	FOA
244	Truck 87 Chev	FOA	17,222	FOA
245	Wagon, Farm Pipe Carrier	FOA	1,288	FOA
246	Tractor, Ford 40hp	FOA	10,936	FOA
247	Tractor, Ford 23hp	FOA	7,902	FOA
248	Computer, IBM 286	FOA	1,686	FOA
249	Computer Compaq II	FOA	3,561	FOA
250	Software, Overachiever plus	FOA	595	FOA
257	Frequency Converter	FOA	2,831	FOA
259	Tester, Seed cleaner	FOA	925	FOA
260	Scale, Beam 1400kg	FOA	1,315	FOA
261	Scale, Portable 300kg	FOA	542	FOA
262	Cattle Squeeze	FOA	2,474	FOA
263	Grinder, Blender, Soil lhp	FOA	979	FOA
264	Pregnancy Detector	FOA	692	FOA
265	Tractor, Ford 40hp	FOA	11,536	FOA
266	Modem, Hayes Smart	FOA	545	FOA
267	Computer Equip, Graphics	FOA	526	FOA
268	Centrifuge, Clay Adams	FOA	1,370	FOA
269	Software, SPSS for IBM	FOA	695	FOA
270	Computer IBM PC/XT	FOA	1,497	FOA
271	Display, Radius Full Page	FOA	1,795	FOA
272	Dataframe, XP30	FOA	900	FOA
273	Booster System Water	FOA	2,800	FOA
274	Scanner, Abaton Flat Bed	FOA	1,699	FOA *
275	Computer, Mac Plus	FOA	1,194	FOA
276	Printer, Laserwriter	FOA	3,653	FOA
277	Plow, Rotary	FOA	671	FOA
278	Plow, Rotary	FOA	671	FOA
279	Tractor, Garden	FOA	2,498	FOA
280	Tractor, Garden	FOA	2,498	FOA
281	Tractor, Garden	FOA	2,498	FOA
282	Tractor, Garden	FOA	2,498	FOA
283	Mower 32"	FOA	874	FOA
284	Mower sickle	FOA	726	FOA
285	Mower sickle	FOA	726	FOA
286	Ripper, Integral	FOA	684	FOA
287	Power supply uninterruptable	FOA	985	FOA *
288	Power supply uninterruptable	FOA	985	FOA *
289	Plow - ford	FOA	630	FOA
290	Loader, Ford 770 w/bucket	FOA	1,662	FOA
291	Rototiler, Ford 50"	FOA	883	FOA
292	Rototiler, Ford 60"	FOA	931	FOA
293	Auger, Ford	FOA	583	FOA
294	Loader, Ford 776F	FOA	2,845	FOA

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
296	Spreader, Manure	FOA	2,967	FOA
297	Computer, AST 30mb hard disk	FOA	2,141	FOA
298	Computer, AST 30mb hard disk	FOA	2,141	FOA
299	Machine, Binding thermal	FOA	2,080	FOA
300	Cutter, Guillotine -Diamond	FOA	7,455	FOA
301	Amergraph Magnum 281	FOA	3,095	FOA
302	Camera, Graphic arts	FOA	4,495	FOA
303	Mower, Hay 7' bar	FOA	2,057	FOA
304	Cooler, Milk Can	FOA	7,160	FOA
305	Pump spare booster miniflo	FOA	883	FOA
306	Tool Bar for JD 569	FOA	778	FOA
307	Planter 2 Row JD510N	FOA	2,264	FOA
308	Transformer 75 KVA Pad Mount	FOA	7,689	FOA
309	Transformer 112.5 KVA Pad mo	FOA	8,176	FOA
310	Printer Think Jet Wide Carr	FOA	567	FOA
311	Software info manager for MAC	FOA	695	FOA *
312	Detector, Ovulation	FOA	1,088	FOA
313	Detector, Auto Pregnancy	FOA	546	FOA
314	Freezer, Liquid Nitrogen	FOA	542	FOA
315	Water Reel Gun w/turbine	FOA	1,357	FOA
316	Pump, Submersible Motor	FOA	4,348	FOA
317	System, Portable Ejaculator	FOA	895	FOA
318	Klever Training Cow	FOA	3,576	FOA
319	Pump, 15HP Centrifugal w/mot	FOA	2,580	FOA
320	Dairy PH Meter	FOA	608	FOA
321	Electric Cream Separator	FOA	912	FOA
322	Troy Bilt 8 HP	FOA	1650	FOA
323	Troy Bilt 8 HP	FOA	1650	FOA
324	SS Water Bath	FOA	550	FOA
325	Septometer w/80cm Probe	FOA	1285	FOA
326	Knotter	FOA	1026	FOA
3217	Wang PC	FOA	4,153	FOA
3218	Wang PC	FOA	4,153	FOA
3219	Mahua Copier	FOA	6,987	FOA
3220	Crotan Power Pack	FOA	2,304	FOA
3221	National Video Camera	FOA	2,030	FOA
3222	National Video Camera	FOA	2,030	FOA
3223	Telephone System	FOA	1,392	FOA
3224	TV Sony Set	FOA	1,258	FOA
3225	TV Sony Set	FOA	1,258	FOA *
3226	Crotan Power Conditioner	FOA	1,204	FOA
3227	Printer	FOA	1,160	FOA *
3228	Video National	FOA	812	FOA
3229	Video National	FOA	812	Stolen
3230	Desk	FOA	743	FOA *
3231	Desk	FOA	691	FOA *
3232	Desk	FOA	691	FOA *
3233	Desk	FOA	691	FOA *
3234	Electronic Typewriter	FOA	661	FOA *
3235	Desk	FOA	606	FOA *
3236	Desk	FOA	606	FOA *
3237	Desk	FOA	606	FOA *
3238	Desk	FOA	606	FOA *
3239	Desk	FOA	606	FOA *
3240	Battery Charger	FOA	565	FOA

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
3316	Winchester Drive 20 MB	FOA	1,030	FOA
3317	Toyota 30 Seat Coaster Bus	FOA	32,219	FOA
3318	Land leveler, 8' width	FOA	950	FOA
3319	Toyota 30 seat Bus	FOA	36,100	FOA
3320	Nashua copier 4550Z	FOA	6,500	FOA
3321	Mac SE w/keyboard, mouse, HD	FOA	3,980	FOA
3322	Imagewriter	FOA	1,790	FOA
3323	Epson FX1050 Printer	FOA	1,000	FOA
3324	Elect. h/u Insr. farm w YGEC	FOA	5,836	FOA
3325	HV Cutoff Knife for well	FOA	1,538	FOA
3326	Elect. Moter & Trans.	FOA	1,435	FOA
3327	Elect. Moter & Trans.	FOA	1,435	FOA
3328	Safe	FOA	1,846	FOA
3329	Brother AX20 Typewriter Ar/En	FOA	779	FOA
3330	Water tank for truck	FOA	1,077	FOA
3331	Arabic Typewriter		769	FOA
3332	Carpeting for office	FOA	528	FOA
3333	File Cabinet		2717	FOA
	Under \$500	FOA	3,004	FOA

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
1063	Band Saw	ISAI	2,272	MED
1064	Table Saw	ISAI	1,877	MED
1065	Radial Arm Saw	ISAI	576	MED

Consortium for International Development
Yemen A.R. Agricultural Development Support Program
Schedule of NMSU Non-Expendable Equipment
September 30, 1991

Attachment B

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
1001	Minolta Copier	ISAI	3,596	MED
1002	Mobil Home	ISAI	32,616	MED
1003	Mobil Home	ISAI	32,616	MED
1004	Mobil Home	ISAI	32,616	MED
1005	Mobil Home	ISAI	32,616	MED
1006	Mobil Home	ISAI	32,616	MED
1007	Mobil Home	ISAI	32,616	MED
1008	Mobil Home	ISAI	32,616	MED
1009	Mobil Home	ISAI	32,616	FOA
1010	Mobil Home	ISAI	32,616	FOA
1011	Generator	ISAI	17,810	MED
1012	Arc Welder	ISAI	1,800	MED
1013	Generator	ISAI	1,295	MED
1014	Welder	ISAI	762	MED
1015	Granger Parts Cleaner	ISAI	641	MED
1016	Gas High Pressure Washer	ISAI	2,618	MED
1017	Tractor	ISAI	3,675	MED
1018	Duplicator	ISAI	531	MED
1019	Mimeograph	ISAI	1,779	MED
1020	Manure Spreader	ISAI	3,498	MED
1021	Forage Harvester	ISAI	5,200	MED
1022	Tractor/Moto	ISAI	3,025	MED
1023	Transit	ISAI	715	MED
1024	Shreader	ISAI	1,127	MED
1025	Victor Printer	ISAI	895	MED
1026	Victor 9000	ISAI	2,995	MED
1027	Tractor	ISAI	4,914	MED
1028	Sickle Bar Mower	ISAI	1,053	MED
1029	Maytag Washer	ISAI	532	MED
1030	Rotary Tiller	ISAI	944	MED
1031	Pan Loader	ISAI	654	MED
1032	Tractor	ISAI	7,811	MED
1033	Three Point Hitch	ISAI	785	MED
1034	Hoist - On Flat Bed Truck	ISAI	775	MED
1035	Tool Cabinet	ISAI	963	MED
1036	Tool Box	ISAI	503	MED
1037	Sharp All	ISAI	892	MED
1038	Post Hole Digger	ISAI	665	MED
1039	Rock Picker	ISAI	1,750	MED
1040	Mower	ISAI	684	MED
1041	Front end Loader	ISAI	1,485	MED
1042	Plow	ISAI	1,299	MED
1043	3M Transparency Maker	ISAI	840	MED
1044	Water Tank	ISAI	1,586	MED
1045	Water Tank	ISAI	1,586	MED
1046	Tank	ISAI	2,185	MED
1047	Tank	ISAI	2,185	MED
1048	Circuit Breaker	ISAI	1,350	MED
1049	Circuit Breaker	ISAI	918	MED
1050	Fuel Tank	ISAI	5,286	MED
1051	Circuit Breaker	ISAI	2,050	MED
1052	Circuit Breaker	ISAI	2,050	MED

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Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
1128	Scissor Hoist	ISAI	956	MED
1129	Grain Sides	ISAI	922	MED
1130	Electric Sealer	ISAI	1,087	MED
1131	Thermofax	ISAI	822	MED
1132	Duplicator	ISAI	515	MED
1133	Projector	ISAI	733	MED
1134	Scanopreg for Sheep	ISAI	649	MED
1135	Liq. Nit. Freezer	ISAI	586	MED
1136	Drain Auger	ISAI	714	MED
1137	Mower	ISAI	878	MED
1138	Dryer	ISAI	550	MED
1139	Dryer	ISAI	550	MED
1140	Dishwashers	ISAI	610	MED
1141	Dishwashers	ISAI	610	MED
1142	Dishwasher	ISAI	545	MED
1143	Cement Mixer	ISAI	753	MED
1144	Disc	ISAI	3,350	MED
1145	Truck	ISAI	30,798	MED
1146	Water Bath	ISAI	853	MED
1147	Fertilizer	ISAI	1,375	MED
1148	Refrigerator	ISAI	586	MED
1149	Roto Tiller	ISAI	702	MED
1150	Zenith Computer	ISAI	999	MED
1151	Mac 20	ISAI	950	MED
1152	Mac Plus Computer	ISAI	2,199	MED
1153	Test Scorer Machine	ISAI	1,695	MED
1154	Shredder Clipper	ISAI	1,116	MED
1155	Shredder Clipper	ISAI	1,116	MED
1156	Shelf Stand	ISAI	895	MED
1157	Shelf Stand	ISAI	895	MED
1158	Shelf Stand	ISAI	895	MED
1159	Shelf Stand	ISAI	895	MED
1160	Shelf Stand..	ISAI	895	MED
1161	Shelf Stand	ISAI	895	MED
1162	Lab Table	ISAI	595	MED
1163	Lab Table	ISAI	595	MED
1164	Lab Table	ISAI	595	MED
1165	Lab Table	ISAI	595	MED
1166	Refrigerator	ISAI	801	MED
1167	Refrigerator	ISAI	801	MED
1168	Mac SE	ISAI	1,995	MED
1169	Mower Conditioner	ISAI	6,625	MED
1170	Hay Baler	ISAI	6,249	MED
1171	Incubator	ISAI	2,010	MED
1172	Pulper Finisher	ISAI	8,689	MED
1173	Squeeze Chute	ISAI	1,265	MED
1174	Two-row Cultivator	ISAI	2,180	MED
1175	Storage Bin	ISAI	1,300	MED
1176	Concrete Mixer	ISAI	991	MED
1177	Refrigerator	ISAI	801	MED
1178	Receiver	ISAI	706	MED
1179	Rotary Tiller	ISAI	1,162	MED
1180	Rotary Tiller	ISAI	1,162	MED
1181	Water Level Control	ISAI	768	MED
1182	Water Level Control	ISAI	765	MED
1183	Rotary Brush Cutter	ISAI	1,498	MED
1184	Disc Harrow	ISAI	842	MED
1185	Nitrogen Freezer	ISAI	660	MED

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
1186	Heston Plow H280	AED	1,380	MED
1187	Case/IH 530 Manuer Spreader	AED	3,375	MED
1188	5 Bottom lister	AED	2,495	MED
1189	Myers 3 Point Hitch Vee	AED	1,400	MED
1190	Polaris Trail Boss 1987	AED	2,745	MED
1191	Projector/Slide Viewer	AED	665	MED
1192	Eiki/Bell & Howell 16mm Proj.	AED	1,300	MED
1193	Case/IH 6200 Grain Drill	AED	8,819	MED
1194	555 Mimeograph Printer	AED	2,185	MED
1195	595 Stencil Maker	AED	1,695	MED
1196	Transparency Maker 4550	AED	1,029	MED
1197	Opaque Projector VU-Lyte III	AED	663	MED
1198	Binding Machine	AED	298	MED
1199	Pro-Gro El Soil Sterlizer	AED	803	MED
1200	Greenhouse Exhaust Fan #7C216	AED	536	MED
1201	Greenhouse Exhaust Fan #7C216	AED	536	MED
1202	Polaris Trail Boss 1987	AED	2,745	MED
1203	Case/IH 235 2-Whl Dr Tractor	AED	5,810	MED
1204	Valve Seat Cutter	AED	635	MED
1205	Macintosh SE Hard Disk	AED	2,575	MED
1206	Laser Writer	AED	3,815	MED
1207	Apple Scanner	AED	1,300	MED
1208	IBM Correcting Selectric II	AED	2,850	MED
1209	IBM Correcting Selectric II	AED	2,850	MED
1210	IBM Correcting Selectric II	AED	2,850	MED
1211	MacIntosh SE Hard Disc/Keyb	AED	2,150	MED
1212	MacIntosh SE Hard Disc/Keyb	AED	2,150	MED
1213	MacIntosh SE Hard Disc/Keyb	AED	2,150	MED
1214	Apple Scanner A9M0337	AED	1,187	MED
1215	Imgwrtr I w/sys 8 cable	AED	907	MED
1216	Imgwrtr I w/sys 8 cable	AED	907	MED
1217	Imgwrtr I w/sys 8 cable	AED	906	MED
1218	32 inch Riding Mower	AED	1,300	MED
1219	Eiki SSL-O 16mm Proj.	AED	782	MED
1220	Eiki SSL-O 16mm Proj.	AED	783	MED
1221	Sicle Bar Mowe w/ B&SIC	AED	995	MED
1222	Sicle Bar Mowe w/ B&SIC	AED	995	MED
1223	Sicle Bar Mowe w/ B&SIC	AED	995	MED
1224	Gasoline Welder/Miller Legend Aead	AED	2,120	MED
1225	Gasoline Welder/Miller Legend Aead	AED	2,120	MED
1226	Gasoline Welder/Miller Legend Aead	AED	2,120	MED
1227	Troy Bilt Rotary Tiller	AED	1,359	MED
1228	Troy Bilt Rotary Tiller	AED	1,359	MED
1229	Kuhn Power Tiller M QUIN-EL35	AED	1,485	MED
1230	Laser Writer IINTX w/Ton Car	AED	3,959	MED
1231	Case/IH Diesel Engine	AED	6,059	MED
1232	Case/IH Diesel Engine	AED	6,059	MED
1233	Case/IH Diesel Engine	AED	6,059	MED
1234	Rosback Perfect Binder	AED	2,985	MED
1235	Platemaker	AED	3,645	MED
1236	Offset Dupl Press	AED	7,731	MED
1237	Carpet Cleaner	AED	734	MED
1238	Elec. Stencil Maker & Mim	AED	3,851	MED
1239	Elec. Stencil Maker & Mim	AED	3,851	MED
1240	Transparency Maker 3440	AED	721	MED
1241	Transparency Maker 3440	AED	721	MED
1242	Transparency Maker 3440	AED	721	MED
1243	Challenge Paper Cutter N2501	AED	4,227	MED
1244	Apple Macintosh SE/30	AED	3,116	MED
1245	Apple Macintosh SE/20	AED	2,220	MED
1246	CMS 44MB Ext. Hard Disc	AED	1,020	MED
1247	CMS 44MB Removable Cartridge	AED	605	MED
1248	Apple Imagewriter II	AED	381	MED
1249	Apple Imagewriter II	AED	381	MED
1250	Apple Keyboard	AED	85	MED
1251	Apple Keyboard	AED	85	MED
1252	Nu-Super Mini Pump	AED	1,300	MED

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
1253	Claw Assembly-Mini Pump	AED	600	MED
1254	Tractor Mounted Spray Tank	AED	1,060	MED
1255	Wall Mounted Storage Case	AED	509	MED
1256	Wall Mounted Storage Case	AED	509	MED
1257	Wall Mounted Storage Case	AED	510	MED
1258	Wall Mounted Storage Case	AED	510	MED
1259	Mac Portable HD 40MB	AED	4,159	MED
1260	MH Forage Harvester	AED	5,747	MED
1261	MH Forage Harvester	AED	5,747	MED
1262	MH 1 row Corn Head	AED	5,747	MED
1263	MH 1 row Corn Head	AED	5,747	MED
1264	Flat-top Hydraulic Table	AED	1,228	MED
1265	Shorline V-top Hydraulic Tbl	AED	1,375	MED
1266	Shorline V-top Hydraulic Tbl	AED	1,375	MED
5	Under 500 3M OH Proj.	AED	1,825	MED
3	Under 500 Kodak IIBR Slide	AED	1,044	MED
3060	Water Tank	ISAI	1,652	MED
3061	Elect Motor	ISAI	1,064	MED
3062	Plow	ISAI	1,667	MED
3063	Rigder	ISAI	1,383	MED
3064	Mita Copier	ISAI	4,266	MED
3065	Video Camera	ISAI	2,778	MED
3066	TV Toshiba	ISAI	700	MED
3067	IBM Typewriter	ISAI	1,580	MED
3068	IBM Typewriter	ISAI	1,580	MED
3069	Video National	ISAI	1,000	MED
3070	Toyota Landcruiser	ISAI	15,753	MED
3071	Toyota Landcruiser	ISAI	13,724	MED
3072	Cabinet	ISAI	687	MED
3073	Gas Range w/bottle	ISAI	648	MED
3074	Air Conditioner	ISAI	614	MED
3075	Candino Refrigerator	ISAI	616	MED
3076	Motor Power	ISAI	1,233	MED
3077	Unidentified	ISAI	584	MED
3333	Matrix printer DM50/300	AEDS	1,145	MED
3334	Toyota L/C 1988 10 Pass	AEDS	23,648	MED
3335	Minolta EP3702 Copier	AEDS	10,292	MED
3336	Minolta EP3702 Copier	AEDS	10,292	MED
3337	Wood Desk - Italian	AEDS	872	MED
3338	Table	AEDS	564	MED
3339	Receptionist Chair	AEDS	985	MED
3340	2000 Gal Storage Tank-Surdud	AEDS	2,000	MED
3341	Ariston Fridge	AEDS	821	MED
3342	Gas Stove - Surdud	AEDS	697	MED
3343	T.V.	AEDS	615	MED
3344	VCR	AEDS	667	MED
3345	Ariston Fridge	AEDS	821	MED
3346	Trolley Welding Machine	AEDS	564	MED
3347	Green house	AEDS	1,590	MED
3348	Motor 5.5 HP	AEDS	821	MED
3349	Airconditioner - Surdud	AEDS	769	MED
3350	Desk	AEDS	646	MED
3351	Desk	AEDS	646	MED

Attachment C

Consortium for International Development
 Yemen A.R. Agricultural Development Support Program
 Schedule of Cal-Poly Non-Expendable Equipment
 September 30, 1991

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agent
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Attachment B

Consortium for International Development
 Yemen A.R. Agricultural Development Support Program
 Schedule of CID Non-Expendable Equipment
 September 30, 1991

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agent
1001	IBM Model 70-121	SMY-CID	6,829	CS
1002	IBM SOS Version 3.3	SMY-CID	91	CS
1003	IBM 5.25 External Drive	SMY-CID	440	CS
1004	IBM 8513 Color Monitor	SMY-CID	584	CS
1005	40 MB Irwin Ext. Tape Drive	SMY-CID	550	CS
1006	HP Colorado Plotter	SMY-CID	992	FOA *
1007	IBM Model 25 computer	SMY-CID	1,587	FOA *
1008	IBM Model 25 computer	SMY-CID	1,552	FOA *
1009	Mouse	SMY-CID	148	FOA *
1010	Uninterruptable Power Supply	SMY-CID	1,568	CS
1011	ACCFAC BPI Software	SMY-CID	1,071	CS
1012	OKI 321 Printer	SMY-CID	689	CS
3241	HQP45 Citizen Printer Ar/En	SMY	1,600	MAWR *
3242	IBM 60-071 Comp. w/Keyboard	SMY	5,280	CS
3243	IBM 8513 Color Monitor	SMY	865	CS
3244	IBM Quietwriter III Printer	SMY	1,565	CS
3245	Citizen MSP55 Printer	SMY	1,140	MAWR *
3246	HQP45 Citizen Printer Ar/En	SMY	1,600	MAWR *
3247	Wang PC280-3 Comp.	SMY	5,610	MAWR *
3248	Color Monitor MON-1450-N-PC2	SMY	1,095	MAWR *
3249	IBM Wheelwriter Series II	SMY	3,428	MAWR
3250	Binding Machine	SMY	1,231	FOA *
3251	Binding Machine	SMY	1,231	MAWR *
6001	Toyota L/C 1988 10 Pass	SMY	23,648	MAWR *
6002	Toyota Hi-Lux Crew Cab	SMY	12,890	MAWR *
6003	Toyota Commuter Van 12 Pass	SMY	14,250	EDS
6004	Park View Carpets	SMY	844	AUC
6005	Century K Carpets	SMY	844	AUC
6006	Toyota L/C 1989 5 Pass	SMY	17137	MAWR *

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
3162	VM Motor	HITS	8,219	MAWR
3163	Water Pump	HITS	11,233	MAWR
3164	Cement Mixer	HITS	2,660	MAWR
3165	Diesel Tank	HITS	795	MAWR
3166	Generator	HITS	563	MAWR
3167	Tractor	HITS	3,050	MAWR
3168	Sprayer	HITS	1,204	MAWR
3169	Diesel Tank	HITS	1,233	MAWR
3170	Diesel Tank	HITS	1,230	MAWR
3171	Diesel Tank	HITS	1,431	MAWR
3172	Compressor	HITS	1,436	MAWR
3173	Tractor	HITS	3,050	MAWR
3174	Tractor	HITS	3,050	MAWR
3175	Plow	HITS	1,347	MAWR
3176	Sprayer	HITS	912	MAWR
3177	IBM Typewriter	HITS	645	MAWR
3178	Sprayer	HITS	608	MAWR
3179	Sony Video Betamax	HITS	992	MAWR
3180	Sharp TV Systems	HITS	794	MAWR
3181	Jack	HITS	733	MAWR
3182	Desk	HITS	626	MAWR
3183	Curtain	HITS	1,135	MAWR
3184	Black Board	HITS	569	MAWR
3185	Black Board	HITS	569	MAWR
3186	Butagas Refrigerator	HITS	1,215	MAWR
3187	Butagas Refrigerator	HITS	1,151	MAWR
3188	Italian Refrigerator	HITS	500	MAWR
3189	Refrigerator	HITS	660	MAWR
3190	Deep Freezer	HITS	611	MAWR
3191	Deep Freezer	HITS	611	MAWR
3192	Cement Mixer	HITS	2,671	MAWR
3193	Diesel Pump	HITS	599	MAWR
3194	Aircooler	HITS	614	MAWR
3195	Aircooler	HITS	614	MAWR
3196	Aircooler	HITS	614	MAWR
3197	Compressor	HITS	2,568	MAWR
3198	Drapes	HITS	1,438	MAWR
3199	Drapes	HITS	1,104	MAWR
3200	VM Motor	HITS	8,219	MAWR
3201	Fiber Glass Tank	HITS	2,296	MAWR
3202	Motorized Sprayer	HITS	522	MAWR
3203	4WD Tank Pick Up	HITS	10,136	MAWR
3204	Toyota Landcruiser	HITS	13,913	MAWR
3205	Toyota Landcruiser	HITS	13,913	MAWR
3206	Dump Truck	HITS	8,904	MAWR
3207	Water Cooler	HITS	536	MAWR
3208	Sign board	HITS	547	MAWR
3209	Video Camera	HITS	1,986	MAWR
3210	Video Recorder	HITS	808	MAWR
3211	Algor Refrigerator	HITS	633	MAWR
3212	Algor Refrigerator	HITS	633	MAWR
3213	Transformer 25 KVA	HITS	1,267	MAWR
3214	Beta Movie	HITS	1,750	MAWR *
3308	Toyota L/C 1987 10 Pass	HITS	22,479	
Rials Converted To Dollars				
3309	Brothers Typewriter	HITS	779	MAWR
3310	Display Board	HITS	615	MAWR
3311	Installation Pump Al-Irra	HITS	615	MAWR
3312	Window Air Conditioner	HITS	872	MAWR
3313	Window Air Conditioner	HITS	872	MAWR
3314	L Shaped Table	HITS	769	MAWR
3315	How Pump well #2 Al-Irra	HITS	2,872	MAWR
	Under \$500	HITS	5,123	MAWR

Consortium for International Development
 Yemen A.R. Agricultural Development Support Program
 Schedule of OSU Non-Expendable Equipment
 September 30, 1991

Item #.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
1	Chev Citation	CORE	7,910	MED
2	Typewriter	CORE	1,247	MAWR
3	Engine	CORE	850	MAWR
4	Truck 81 GMC	CORE	20,423	MAWR
5	Chev Citation	CORE	7,358	MED
6	Transcriber DCX II	CORE	538	FOA *
7	Tool Set 189	CORE	672	AID
8	Mimeograph AB Dick 411	CORE	545	MAWR
9	File Fire Gray	CORE	595	MAWR *
10	File Fire Gray	CORE	595	MAWR *
11	File Fire Gray	CORE	595	MAWR *
12	File Fire Gray	CORE	595	MAWR *
13	File Fire Gray	CORE	595	MAWR *
14	Suburban 81 GMC	CORE	11,189	MED
15	Carry-all 81 GMC	CORE	9,659	MAWR
16	Chev Citation	CORE	7,269	MED
17	Pickup 81 Chev	CORE	9,753	MAWR
18	Saw Radial Craftsman	CORE	500	MAWR
19	Tiller 5 speed	CORE	650	AID
20	Engine - Chev	CORE	1,558	MAWR
21	Charger Series 6066	CORE	672	AID
22	10 Transformers	CORE	5,059	MAWR/FOA *
23	Typewriter IBM Sel II	CORE	890	MAWR
24	Machine Tire Coats	CORE	1,386	AID
25	Crane Mobile Blackhawk	CORE	1,075	AID
26	Crane Truck	CORE	1,241	AID
27	Generator	CORE	5,032	WH **
28	Welder 32749	CORE	903	AID
29	Truck lift Yale	CORE	8,810	AID
30	Chev 82 Suburban	CORE	13,581	MAWR
31	Nach Video Tape TV	CORE	1,941	MAWR
32	Pickup Chev 1/2 ton	CORE	9,584	MAWR
33	Suburban Chev 83	CORE	12,381	MAWR
34	Suburban Chev 83	CORE	12,381	MAWR
35	Pickup 83 Chev	CORE	9,654	FOA
36	Pickup 83 Chev	CORE	9,654	MAWR *
37	Pickup GMC 83	CORE	11,470	MAWR
38	Proj B&H Ringmaster	CORE	614	MAWR
39	Proj B&H Ringmaster	CORE	614	MAWR
40	Suburban GMC	CORE	12,800	MAWR
41	Suburban GMC	CORE	12,169	MAWR
42	Micromist Sprayer	CORE	2,113	MAWR
43	Chev Wagon 83	CORE	8,495	MED
44	Transcriber dictaphone	CORE	612	FOA
45	Transcriber dictaphone	CORE	612	FOA
46	Transcriber dictaphone	CORE	612	FOA
47	Desk 20" Steelcase	CORE	503	MAWR
48	Desk 20" Steelcase	CORE	503	MAWR
49	Desk 20" Steelcase	CORE	503	FOA
50	Projector Bell & Howell	CORE	850	FOA
51	Projector Bell & Howell	CORE	614	MED
52	Projector Bell & Howell	CORE	614	MAWR
53	Typewriter IBM Sel III	CORE	720	FOA
54	Base System Wang	CORE	2,351	MAWR
55	Base System Wang	CORE	2,351	MAWR
56	Base System Wang	CORE	2,351	MAWR
57	Bed Posturepedic Sealy	CORE	899	AUC *
58	Fencing Seara	CORE	15,439	MAWR
59	Plotter Graphic	CORE	792	FOA *

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
127	Micrologger fmt	CORE	1,460	MAWR

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
60	Supply Power Battery	CORE	796	MAWR *
61	Cabinet Card Catalog	CORE	732	MAWR
62	Cabinet Card Catalog	CORE	732	MAWR
63	Chev Suburban	CORE	12,160	MAWR
64	Pickup Chev	CORE	9,513	MAWR
65	Chev Suburban	CORE	12,160	MAWR
66	Chev Suburban	CORE	12,160	MAWR
67	Transformer Voltage	CORE	832	MAWR
68	Typewriter IBM Slec III	CORE	1,345	MAWR *
69	Graphics	CORE	12,243	MAWR
70	Graphics	CORE	12,243	FOA
71	Printer Matrix	CORE	648	MAWR *
72	Printer Daisy	CORE	932	MAWR *
73	Memory Computer	CORE	605	FOA *
74	Memory Computer	CORE	605	MAWR
75	Memory Computer	CORE	605	FOA *
76	Mag Shelving	CORE	525	MAWR
77	Computer Apple II	CORE	1,148	MAWR
78	Drive Disk II	CORE	550	MAWR
79	Computer Workstation	CORE	2,742	WID
80	Printer Letter Qual	CORE	937	MAWR
81	Imager Master	CORE	14,655	FOA
82	Imager Master	CORE	14,655	MAWR
83	Valve Defacer	CORE	2,429	AID
84	Kwik Comb Disk & Drum Brake	CORE	3,707	AID
85	Humidifier	CORE	2,776	AUC
86	Battery Uninterruptible	CORE	853	WID
87	Battery Uninterruptible	CORE	853	MAWR
88	Transformer Constant	CORE	871	MAWR
89	Transformer Constant	CORE	872	FOA
90	Computer w/monitor	CORE	2,956	WID
92	Refridgerator White	CORE	700	MAWR
93	Refridgerator White	CORE	700	AUC
94	Refridgerator White	CORE	700	AUC
95	Refridgerator White	CORE	700	AUC
96	Refridgerator White	CORE	700	AUC
97	Refridgerator White	CORE	700	AUC
98	Refridgerator White	CORE	700	AUC
99	Refridgerator White	CORE	700	AUC
100	Refridgerator White	CORE	700	AUC
101	Refridgerator White	CORE	700	AUC
102	Sofa	CORE	577	AUC
103	Sofa	CORE	577	AUC
104	Sofa	CORE	577	AUC
105	Sofa	CORE	577	AUC
106	Sofa	CORE	577	AUC
107	Sofa	CORE	577	AUC
108	Stereoscope Precision Mirror	CORE	1,360	MAWR
109	Machine, Blinding Thermal	CORE	2,080	MAWR
110	Software DBASE III	CORE	559	MAWR
111	Cutter Guillotine	CORE	7,455	MAWR
112	Software Wang IBI	CORE	910	MAWR
113	Software Wang IBI	CORE	910	MAWR
114	Amergraph Magnum	CORE	3,095	MAWR
115	Camera Graphic Arts	CORE	4,495	MAWR
116	Table, light	CORE	1,124	MAWR
117	Table, light	CORE	1,124	FOA

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
1010	Lt. Futur-Matic Lgt. Tbl.	Core II	1,546	MAWR
1011	Uninterruptible Power Supply	Core II	10,950	MAWR
1012	Battery Pack	Core II	4,230	MAWR
1013	Laserjet Series II Printer	Core II	1,345	MAWR
1014	Laserjet Series II Printer	Core II	1,345	MAWR
1015	AB Dick Model 369 Duplicator	Core II	17,196	MAWR
1016	Zenith Lap Top Computer	Core II	2,735	MAWR
1017	Zenith Lap Top Computer	Core II	2,735	MAWR
1018	Zenith Lap Top Computer	Core II	2,735	MAWR
1019	Equity LT-286e w case & bat.	Core II	3,345	MAWR
3001	76 mb Disk	CORE	25,000	MAWR
3002	64kb Memory work station	CORE	4,250	MAWR
3003	64kb Memory work station	CORE	4,250	MAWR
3004	64kb Memory work station	CORE	2,875	MAWR
3005	64kb Memory work station	CORE	2,875	MAWR
3006	180 CPS Arab/Lat printer	CORE	7,875	MAWR
3007	192 CPS Arab/Lat printer	CORE	10,500	MAWR
3008	Dual floppy disk drives	CORE	7,785	MAWR
3009	Dual floppy disk drives	CORE	7,785	MAWR
3010	Imulator inside computer	CORE	1,840	MAWR
3011	Imulator inside computer	CORE	1,840	MAWR
3012	Imulator inside computer	CORE	1,840	MAWR
3013	1MB Memory 76mb Disk	CORE	26,250	MAWR
3014	Arabic/English keyboard	CORE	1,190	MAWR
3015	Arabic/English keyboard	CORE	1,190	MAWR
3016	Arabic/English keyboard	CORE	1,190	MAWR
3017	Arabic/English keyboard	CORE	1,190	MAWR
3018	Arabic/English keyboard	CORE	1,190	MAWR
3019	Arabic/English keyboard	CORE	1,190	MAWR
3020	Arabic/English keyboard	CORE	1,190	MAWR
3021	BVM-3AP 3-Tube Camera	CORE	30,000	MAWR
3022	BVM-3AP 3-Tube Camera	CORE	30,000	MAWR
3023	BVM-20P Betacam Player	CORE	9,500	MAWR
3024	BVM-20P Betacam Player	CORE	9,500	MAWR
3025	AC-500CE AC Power Adaptor	CORE	525	MAWR
3026	AC-500CE AC Power Adaptor	CORE	525	MAWR
3027	J13 X 9 Canon Zoom Lens	CORE	4,700	MAWR
3028	J13 X 9 Canon Zoom Lens	CORE	4,700	MAWR
3029	RM-S4/13 Lens Rem Cont Kit	CORE	1,400	MAWR
3030	RM-S4/13 Lens Rem Cont Kit	CORE	1,400	MAWR
3031	BVF-50CE 5 Inch Viewfinder	CORE	1,800	MAWR
3032	BVF-50CE 5 Inch Viewfinder	CORE	1,800	MAWR
3033	Satchler Tripod System	CORE	3,380	MAWR
3034	Satchler Tripod System	CORE	3,380	MAWR
3035	VRT-27 Transmitter & Mic	CORE	980	MAWR
3036	VRT-27 Transmitter & Mic	CORE	980	MAWR
3037	WRR-27 Reciever for Mic	CORE	1,820	MAWR
3038	WRR-27 Reciever for Mic	CORE	1,820	MAWR
3039	PVM-9020ME 9" Color Monitor	CORE	800	MAWR
3040	PVM-9020ME 9" Color Monitor	CORE	800	MAWR
3041	BVW-10P Betacam Player	CORE	19,900	MAWR
3042	BVU-800P Recorder/Player	CORE	14,900	MAWR
3043	V05050P Videocass Recorder	CORE	5,800	MAWR
3044	PVM-1371PQM 13 Inch Monitor	CORE	1,150	MAWR
3045	PVM-1371PQM 13 Inch Monitor	CORE	1,150	MAWR
3046	MPX-21 8 Channel Audio Mixer	CORE	1,500	MAWR
3047	RKV-1FS-F Spare Comp Kit	CORE	1,400	MAWR
3048	RKP-3AF Spare Comp Kit	CORE	1,600	MAWR
3049	RKW-10P Spare Comp Kit	CORE	2,000	MAWR
3050	RKU-800S/B Spare Comp Kit	CORE	1,800	MAWR
3051	Lighting Kit	CORE	1,965	MAWR
3052	SVW Spares Kit	CORE	2,000	MAWR
3053	Uninterruptible Power Supply	CORE	41,552	MAWR
3054	Nashua Copier	ISAI	7,000	MED
3055	Power Conditioner	FOA	950	FOA
3056	Power Conditioner	FOA	950	FOA

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
3057	Uninterruptible Power Supply	FOA	3,297	FOA
3058	Uninterruptible Power Supply	FOA	3,297	FOA
3059	Wang Computer	HITS	5.986	AUC
3078	Desk	CORE	610	FOA *
3079	Desk	CORE	610	MAWR *
3080	Credenza	CORE	523	MAWR *
3081	Credenza	CORE	523	FOA *
3082	Desk	CORE	614	FOA *
3083	Credenza	CORE	523	MAWR *
3084	Desk	CORE	614	MAWR *
3085	Credenza	CORE	523	MAWR *
3086	Desk	CORE	614	MAWR *
3087	IBM Typewriter	CORE	1,580	FOA *
3088	IBM Arabic Typewriter	CORE	1,504	FOA *
3089	Credenza	CORE	523	MAWR *
3090	Desk	CORE	614	MAWR *
3091	Desk	CORE	514	WID
3092	Credenza	CORE	523	WID
3093	Desk	CORE	771	CS
3094	Credenza	CORE	523	CS
3095	Desk	CORE	771	MAWR *
3096	Credenza	CORE	744	MAWR *
3097	Credenza	CORE	523	FOA *
3098	Credenza	CORE	523	FOA *
3099	Desk	CORE	771	MAWR *
3100	Desk	CORE	616	FOA *
3101	Credenza	CORE	523	FOA *
3102	Voltage Regulator	CORE	685	MAWR *
3103	Office Set	CORE	1,742	MAWR *
3104	Credenza	CORE	523	FOA *
3105	Credenza	CORE	523	FOA *
3106	Desk	CORE	616	CS
3107	Credenza	CORE	523	CS
3108	Desk	CORE	614	MAWR *
3109	L Desk	CORE	506	FOA *
3110	Credenza	CORE	523	FOA *
3111	Electric Typewriter	CORE	1,221	FOA *
3112	Desk L shaped	CORE	646	WID
3113	Desk L shaped	CORE	646	CS
3114	Desk L shape ²	CORE	646	FOA *
3115	Desk L shaped	CORE	627	MAWR *
3116	Desk L shaped	CORE	627	MAWR *
3117	Credenza	CORE	523	MAWR *
3118	Conference Table	CORE	522	WID
3119	IBM Typewriter	CORE	1,580	MAWR *
3120	IBM Typewriter	CORE	1,580	MAWR *
3121	Copy Machine	CORE	10,058	MAWR *
3122	Copy Machine	CORE	10,058	MAWR *
3123	Desk	CORE	771	FOA *
3124	Desk	CORE	771	MAWR *
3125	Toyota Landcruiser	CORE	13,724	FOA *
3126	Toyota Landcruiser	CORE	13,724	MAWR
3127	Toyota Landcruiser	CORE	13,724	MAWR
3128	Toyota Landcruiser	CORE	13,167	MAWR
3129	Toyota Landcruiser	CORE	13,167	Stolen
3130	Air Compressor	CORE	1,522	AID
3131	Shelves	CORE	652	AID
3132	Shelves	CORE	649	AID
3133	Alumunium Paritition	CORE	1,475	MAWR
3134	Office Set	CORE	2,439	FOA *
3135	Video Set	CORE	747	MAWR
3136	Video & Camera	CORE	547	MAWR
3137	House Furniture	CORE	3,616	AUC
3138	Toyota LandCruiser	CORE	13,724	MAWR *

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
3139	Power Conditioner	CORE	3,381	MAWR
3140	Stabilizer	CORE	543	MAWR *
3141	Stabilizer	CORE	658	MAWR *
3142	Wang PC and printer	CORE	10,398	MAWR *
3143	Wang PC and printer	CORE	10,398	MAWR *
3144	Wang PC and printer	CORE	10,398	MAWR *
3145	Wang PC and printer	CORE	10,398	MAWR *
3146	Wang PC and printer	CORE	10,398	MAWR *
3147	Wang PC and printer	CORE	10,398	MAWR *
3148	Refrigerator	CORE	1,204	AUC
3149	Refrigerator	CORE	1,167	AUC
3150	Refrigerator	CORE	1,167	AUC
3151	Furniture from India	CORE	4,809	AUC
3152	Cardex	CORE	833	AID *
3153	House Furniture	CORE	6,370	AUC
3154	Sofa & 2 Arm Chairs	CORE	1,370	AUC
3155	Sitting Room	CORE	1,370	AUC
3156	Double Bed	CORE	917	AUC
3157	Kitchen Cabinet	CORE	856	AUC
3158	Credenza	CORE	744	MAWR *
3159	Credenza	CORE	744	MAWR *
3160	Furniture from India	CORE	105,889	AUC
3161	Furniture from India	CORE	786	AUC
3215	Airconditioner	CORE	3,429	MAWR
3216	Four Greenhouses	CORE	19,302	MAWR
3252	Wang PC 280-3 w/80287 pro chl	CORE II	5,388	MAWR
3253	Wang PC 240-3 w/80827 pro chl	CORE II	3,356	MAWR
3254	Wang PC 240-3 w/80827 pro chl	CORE II	3,356	MAWR
3255	Color Monitor MON-1450-PC2	CORE II	976	MAWR
3256	Color Monitor MON-1450-PC2	CORE II	976	MAWR
3257	Color Monitor MON-1450-PC2	CORE II	976	MAWR
3258	Multimode Video Controller	CORE II	606	MAWR
3259	Multimode Video Controller	CORE II	606	MAWR
3260	Multifunctional Matrix print	CORE II	1,021	MAWR
3261	UPS System 1500	CORE II	2,554	MAWR
3262	Toyota L/C II 1988 5 pass	CORE II	17,769	MAWR
3263	Toyota L/C II 1988 5 pass	CORE II	17,769	MAWR
3264	Toyota L/C II 1988 5 pass	CORE II	17,769	MAWR
3265	Toyota L/C II 1988 5 pass	CORE II	17,768	MAWR
3266	Toyota L/C II 1988 5 pass	CORE II	17,768	MAWR
3267	Toyota L/C II 1988 5 pass	CORE II	17,768	MAWR
3268	Toyota L/C II 1988 5 pass	CORE II	17,768	MAWR
3269	Toyota L/C II 1988 10 pass	CORE II	23,487	MAWR
3270	Toyota L/C II 1988 10 pass	CORE II	23,487	MAWR
3271	Nashua Copier 7150D	CORE II	12,837	FOA *
3272	Nashua Copier 4550Z	CORE II	6,500	MAWR *
3273	IBM Quietwriter III	CORE II	1,655	MAWR
3274	IBM Quietwriter III w/sin feed	CORE II	1,895	MAWR
3275	Apple MAC II w/keyboard	CORE II	7,378	MAWR
3276	13" RGB Color Monitor	CORE II	930	MAWR
3277	Laser writer II w/toner cart	CORE II	6,047	MAWR
3278	Ready Set Go 4.0"	CORE II	556	MAWR
3279	Free Hand Graphics	CORE II	550	MAWR
3280	IBM Quietwriter III w/sin feed	CORE II	1,895	FOA
3281	Xerox 5052 Copier	CORE II	16,800	MAWR
3282	Xerox 5052 Copier	CORE II	16,800	MAWR
3283	Toyota L/C 1989 10 pass	CORE II	24,197	MAWR
3284	Toyota L/C 1989 10 pass	CORE II	24,197	MAWR
3285	4 Greenhouses See Item 3216	CORE II	6,500	MAWR
3286	Brother AX20 Typewriter Ar/En	CORE II	2,051	MAWR
3287	Brother AX20 Typewriter Ar/En	CORE II	2,308	MAWR
3288	IBM Quietwriter III	CORE II	2,244	FOA *
3289	Small Safe	CORE II	954	MAWR
3290	Top Tronic 2 Typewriter Ar/En	CORE II	2,205	MAWR
3291	Desk 6 dr w/hi back sw chair	CORE II	2,974	MAWR *
3292	Desk w 7 dr	CORE II	615	MAWR *
3293	Desk w 7 dr	CORE II	615	MAWR *

Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
3294	Desk w 7 dr	CORE II	615	MAWR *
3295	Desk w 7 dr	CORE II	615	MAWR *
3296	L Shaped Desk w/swivel chair	CORE II	1,846	MAWR *
3297	Wood Desk - Italian	CORE II	667	MAWR
3298	Desk w/7 dr - Japanese	CORE II	636	MAWR
3299	Conference Table - Italian	CORE II	821	MAWR
3300	18" Typewriter	CORE II	974	MAWR
3301	Desk - Clevenger MAF	CORE II	636	MAWR
3302	Map Case w/sliding doors	CORE II	1,477	MAWR
3303	Xerox 1012 copier	CORE II	4,615	MAWR
3304	Sofa Set - Minister MAF	CORE II	3,590	MAWR
3305	Carpet	CORE II	863	MAWR
3306	Desk 7 dr	CORE II	636	MAWR
3307	Conference Table	CORE II	1,128	MAWR
3308	Terminal Power Connector	CORE II	4193	MAWR
6007	IBM 80-111 w/keyboard, mouse	CORE II	9,630	FOA *
6008	IBM 50Z-061 w/keyboard, mouse	CORE II	5,210	MAWR
6009	Quietwriter III	CORE II	1,620	FOA *
6010	Quietwriter III	CORE II	1,620	MAWR
6011	8513 color monitor	CORE II	860	FOA *
6012	8513 color monitor	CORE II	860	MAWR
6013	Nashua Copier 7150D	CORE II	12,006	MAWR
6014	Toyota L/C 10 Pass	CORE II	23,065	FOA
6015	Toyota Van 1989 12 Pass	CORE II	15,223	MAWR *
6016	Toyota L/C SWB 5 Pass	CORE II	17,765	MAWR *
6017	Toyota L/C 10 Pass Stn wgn	CORE II	23,065	FOA *
6018	Toyota L/C SWB 5 Pass	CORE II	17,765	WID
6019	Toyota L/C SWB 5 Pass	CORE II	17,765	MAWR *
6020	Toyota L/C 10 Pass Stn wgn	CORE II	23,065	WID
6021	Toyota L/C 10 Pass Stn wgn	CORE II	23,065	CS
6022	Toyota L/C SWB 5 Pass	CORE II	17,765	MAWR
6023	Toyota L/C SWB 5 Pass	CORE II	17,765	MAWR
6024	Toyota L/C SWB 5 Pass	CORE II	17,765	MAWR
6025	Xerox Copier 5028	CORE II	6,224	MAWR
6026	Xerox Copier 5028	CORE II	6,223	MAWR
6027	Xerox Copier 5052	CORE II	16,337	MAWR
6028	Xerox Copier 5052	CORE II	16,337	MAWR
6029	IBM 50Z-061 w/keyboard	CORE II	4,925	WID
6030	IBM 50Z-061 w/keyboard	CORE II	4,925	WID
6031	IBM 50Z-061 w/keyboard	CORE II	4,925	MAWR
6032	IBM 50Z-061 w/keyboard	CORE II	4,925	MAWR
6033	IBM 50Z-061 w/keyboard	CORE II	4,925	MAWR
6034	IBM 50Z-061 w/keyboard	CORE II	4,925	MAWR
6035	IBM 50Z-061 w/keyboard	CORE II	4,925	MAWR
6036	IBM 50Z-061 w/keyboard	CORE II	4,925	MAWR
6037	IBM 50Z-061 w/keyboard	CORE II	4,925	MAWR
6038	IBM 50Z-061 w/keyboard	CORE II	4,925	MAWR
6039	IBM Quietwriter III w/cable	CORE II	1,655	WID
6040	IBM Quietwriter III w/cable	CORE II	1,655	WID
6041	IBM Quietwriter III w/cable	CORE II	1,655	MAWR
6042	IBM Quietwriter III w/cable	CORE II	1,655	MAWR
6043	IBM Quietwriter III w/cable	CORE II	1,655	MAWR
6044	IBM Quietwriter III w/cable	CORE II	1,655	MAWR
6045	IBM Quietwriter III w/cable	CORE II	1,655	MAWR
6046	IBM Quietwriter III w/cable	CORE II	1,655	MAWR
6047	IBM Quietwriter III w/cable	CORE II	1,655	MAWR
6048	IBM 8513 Color Monitor	CORE II	865	WID
6049	IBM 8513 Color Monitor	CORE II	865	WID
6050	IBM 8513 Color Monitor	CORE II	865	MAWR
6051	IBM 8513 Color Monitor	CORE II	865	MAWR
6052	IBM 8513 Color Monitor	CORE II	865	MAWR
6053	IBM 8513 Color Monitor	CORE II	865	MAWR
6054	IBM 8513 Color Monitor	CORE II	865	MAWR
6055	IBM 8513 Color Monitor	CORE II	865	MAWR
6056	IBM 8513 Color Monitor	CORE II	865	MAWR
6057	IBM 8513 Color Monitor	CORE II	865	MAWR
6058	Kurogane FP Filing Cab.	CORE II	1041	MAWR

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Item No.	Description	Subproject Purchased by	Purchase Price	Receiving Agency
6059	Kurogane FP Filing Cab.	CORE II	1041	MAWR
6060	Kurogane FP Filing Cab.	CORE II	1041	MAWR
6061	Payroll & Pers. Software	CORE II	3,500	MAWR
6062	Financial Acctg. Software	CORE II	8,000	MAWR
6063	Inventory Control Software	CORE II	1,500	MAWR
6064	Toyota L/C 1989 5 Pass 2wd	CORE II	17137	MAWR
6065	Toyota L/C 1989 5 Pass 2wd	CORE II	17137	MAWR
6066	Toyota L/C 1989 5 Pass 2wd	CORE II	17137	MAWR
6067	Toyota L/C 1989 10 Pass 4wd	CORE II	21,254	MAWR
6068	Toyota L/C 1989 10 Pass 4wd	CORE II	21,254	MAWR
6069	Toyota L/C 1989 Pickup 4wd	CORE II	16,844	FOA *
6070	Toyota L/C 1989 Pickup 4wd	CORE II	16,844	FOA
6071	Toyota L/C 1989 Pickup 4wd	CORE II	16,844	MAWR *
6072	Toyota L/C 1989 10 Pass 4wd	CORE II	21,254	MAWR
6073	1 Part TC Controller	CORE II	2,815	MAWR
6074	WSN Netcore Class K	CORE II	1,000	MAWR
6075	VS Terminal Emulation Class K	CORE II	1,000	MAWR
6076	Point to point Transport	CORE II	940	MAWR
6077	CCITT V32 Modems	CORE II	1,785	MAWR
6078	Nashua Copier 4965/A w/sorter	CORE II	28,887	MAWR
6079	IBM 30-431 w/key, mouse	CORE II	3,377	FOA *
6080	IBM 30-431 w/key, mouse	CORE II	3,377	FOA *
6081	IBM 30-431 w/key, mouse	CORE II	3,377	MAWR
6082	IBM 30-431 w/key, mouse	CORE II	3,377	MAWR
6083	IBM 50Z-061 w/key, mouse	CORE II	4,280	MAWR
6084	IBM 50Z-061 w/key, mouse	CORE II	4,280	MAWR
6085	IBM 55SX-061 w/key, mou, co-proc	CORE II	5,235	MAWR
6086	IBM 55SX-061 w/key, mou, co-proc	CORE II	5,235	MAWR
6087	IBM 55SX-061 w/key, mou, co-proc	CORE II	5,235	MAWR
6088	IBM 55SX-061 w/key, mou, co-proc	CORE II	5,235	MAWR
6089	IBM 55SX-061 w/key, mou, co-proc	CORE II	5,235	MAWR
6090	IBM 55SX-061 w/key, mou, co-proc	CORE II	5,235	MAWR
6091	IBM 55SX-061 w/key, mou, co-proc	CORE II	5,235	MAWR
6092	IBM 80-311 W/key, mou, co-pro	CORE II	16,416	FOA *
6093	IBM 8512 Color Monitor	CORE II	656	FOA *
6094	IBM 8512 Color Monitor	CORE II	656	MAWR
6095	IBM 8512 Color Monitor	CORE II	656	MAWR
6096	IBM 8512 Color Monitor	CORE II	656	MAWR
6097	IBM 8513 Color Monitor	CORE II	822	MAWR
6098	IBM 8513 Color Monitor	CORE II	822	MAWR
6099	IBM 8513 Color Monitor	CORE II	822	MAWR
6100	IBM 8513 Color Monitor	CORE II	822	MAWR
6101	IBM 8513 Color Monitor	CORE II	822	MAWR
6102	IBM 8513 Color Monitor	CORE II	822	MAWR
6103	IBM 8513 Color Monitor	CORE II	822	MAWR
6104	IBM 8513 Color Monitor	CORE II	822	MAWR
6105	IBM 8513 Color Monitor	CORE II	822	MAWR
6106	IBM 8513 Color Monitor	CORE II	822	FOA *
6107	IBM Quietwriter III	CORE II	1,629	FOA *
6108	IBM Quietwriter III	CORE II	1,629	MAWR
6109	IBM Quietwriter III	CORE II	1,629	MAWR
6110	IBM Quietwriter III	CORE II	1,629	MAWR
6111	IBM Quietwriter III	CORE II	1,629	MAWR
6112	IBM Quietwriter III	CORE II	1,629	MAWR
6113	IBM Quietwriter III	CORE II	1,629	MAWR
6114	IBM Quietwriter III	CORE II	1,629	MAWR
6115	IBM Quietwriter III	CORE II	1,629	MAWR
6116	IBM Quietwriter III	CORE II	1,629	MAWR
6117	IBM Quietwriter III	CORE II	1,629	MAWR
6118	IBM Quietwriter III	CORE II	1,629	MAWR
6119	Aerial Photography	CORE II	19,775	MAWR

Item No. Description	Subproject Purchased by	Purchase Price	Receiving Agency
6120 Desk 6 Drawers	CORE II	1,177	MAWR
6121 Bookshelf	CORE II	654	MAWR
6122 Bookshelf	CORE II	654	MAWR
6123 Metal Desk	CORE II	610	MAWR
6124 Metal Desk	CORE II	610	MAWR
6125 Safe	CORE II	785	MAWR
6126 Desk	CORE II	1,508	MAWR
6127 Metal Desk	CORE II	923	MAWR
6128 Metal Desk	CORE II	923	MAWR
6129 Metal Desk	CORE II	923	MAWR
6130 Drawing Table	CORE II	2,154	MAWR
6131 Desk 7 Drawers	CORE II	656	MAWR
6132 Desk 7 Drawers	CORE II	656	MAWR
6133 Desk 7 Drawers	CORE II	656	MAWR
6134 Desk 7 Drawers	CORE II	656	MAWR
6135 Desk 7 Drawers	CORE II	656	MAWR
6136 Conference Table	CORE II	821	MAWR
6137 Manual Arabic Typewriter	CORE II	872	MAWR
6138 Manual Arabic Typewriter	CORE II	872	MAWR

END USE CHECK REPORT OF COMMODITIES

*Prepared by Ed Stains, PUI
April - May 1992*

**Agricultural Development Support Program (ADSP)
279-0052**

BACKGROUND

The total funding planned under the ADSP was \$124,687,629 of which \$112,287,629 has been obligated. The total expenditures as of 31 March 92 are approximately \$106,739,578.

Of the total final expenditures on the project, seven percent or approximately \$14 million was spent on the procurement of commodities. The Consortium for International Development (CID) has provided the procurement services for the project. The list of non-expendable commodities procured by CID is provided as Attachment 2 to the Project Assistance Completion Report (PACR). The list covers all individual items more than \$500.

In 1988, CID carried-out an internal review of the non-expendable commodities purchased under the project through December 31, 1987 (Copy attached). Approximately 75% of the items were observed in the field and all cross checked against the inventory and serial numbers. Also attached, is a sample of the transfer system used on one of the sub-projects for commodities imported for the project. Each transfer was signed off by representatives of AID, CID, and the receiving agency.

Because of the volume of commodities involved, the Mission decided that it would be advisable to carry out an End Use Check on a minimum of 15 percent of all items costing over \$1,000. The results of the End Use Check and a non-federal audit of CID's dollar costs could then be used to determine whether a full audit of the project or of the commodity procurement effort is warranted.

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PROCEDURE

A list of the commodities purchased under the various sub-projects was compiled from a final listing provided by CID Headquarters (See PACR, Attachment 2). Letters were prepared requesting MAWR, SU, and MOE to confirm that all the equipment listed had been delivered to them by CID and that the equipment was being used for the benefit of the project. The three letters were sent in early May 1992 by the Director of USAID/Sana'a.

The lists of commodities were also used in site visits to six project locations between April 29 to May 12, 1992, that provided a cross-section of all the sub-projects except for PETS. PETS was excluded because it had been completed for over five years and had a final evaluation report issued.

A total of 258 items were checked to verify their location and condition. The End Use Check examined 38 percent of the 679 items costing over \$1,000. The following sections provide observation made at each sub-project site during visits to check the condition and location of commodities. The last section of this document provides a summary of the findings.

FIELD OBSERVATIONS:

I was accompanied by Abdulali Alshami of USAID during the site visits. For those sites that were also visited during the first phase of preparing the PACR (March 11 - April 7, 1992), the notes taken during the phase I visit (accompanied by Nasr Al-Ghoorairy) are included below after each location that was visited during phase II.

Photographs were taken of much of the equipment observed at the various sites during both phases of this consultancy and have been included with this report.

Date: 29 April 92

Location: MAWR, Sana'a

Persons met: Abdulmalik al-Thor, General Director for Planning and follow-Up
 Issam Luqman, Assistant Deputy Minister for Plant Production Sector
 Mohammed al-Nuwerah, General Director for Statistics
 Abdulhafid Kerhash, General Director for Plant Production
 Zeid Abdulrahman, Director of Horticulture

Summary of comments and observations:

- 89 items costing more than \$1,000 were examined 26 percent of those procured for Core and SMY. In addition there was a large amount of office furnishings observed that were under the \$1,000 level. In general, the equipment and the vehicles (15) examined appeared to be in working order and were being maintained (Exceptions mentioned below).
- The Ministry has maintained a maintenance contract on the Mini Computer system. However, they do not have the budget to have a similar contract on the PCs and the HP system. As a result the total HP system that is in the Documentation Center is out-of-order. We were told that there are no spare parts available in Yemen for the HP system. As such, the documentation center is crippled.
- We were advised that most of the equipment and vehicles (80%) can be maintained locally, but the Ministry does not have an adequate budget to do so. Spare parts are not available for some of the American made vehicles and specialty or high technology equipment.
- The Ministry Officials noted that the way the CID contract was set-up, led to the non-sustainability of some activities. In many cases, the CID teams hired their own local staff at rates higher than what the Ministry staff are paid. As events developed, few Ministry staff were closely involved with

many of the activities such as the HITS demonstration plots around the country. When the CID team left the country, the CID local-hire left the project and the knowledge and apparently many of the records left also, leaving very little of use behind.

Date: 4 May 91

Location: Ibb Agricultural Institute

Persons met: Ahmed Aiash, Director
Ahmed Abds Saif, Deputy Director

Summary of comments and observations:

- We were advised by the new Director that they were not pleased with the way the equipment was delivered throughout the life of the project. They did not feel that the equipment was officially received by the administration and they are concerned about their own internal accountability. He also felt that his staff didn't know how to operate some of the equipment and that if spare parts were received, there might need to be some training needed also.
- The budget issue was raised again this trip. It appears that there is a sufficient budget from MOE to properly maintain the facilities, grounds, and livestock. However, most the funds (75 to 80 percent) released by the Ministry do not get down to the proper level and used for the benefit of the Institute.
- 46 of the items, or 31 percent of those costing over \$1,000 were checked. 13 of the 46 were out-of-order. Approximately another 50 items were checked that cost below \$1,000, of these, at least one half were out-of-order.
- There were many more items that were checked that the staff thought were USAID financed, but, they did not show up on our inventory.
- It was difficult to correlate many of the items with the inventory because of

lack of detail on the inventory.

- It appears that the biggest problem is with spare parts that are not available on the local market. American farm and laboratory equipment are the most difficult.

Date: 29 March 1992 (Phase I visit)

Location: Ibb Agricultural School

Persons met: Ahmed Aiash, Professor
Ahmed Sabry, Animal Production
Dr. Ali Al-Baadani, Professor

Summary of comments and observations:

- Since my visit to this site in March 1990, I see no signs of repairs or general upkeep. The site has deteriorated, more of the equipment is out-of-order, and there are more problems with the physical plant.
- The students have not received their allowance for 10 months. All left the school for the month of Ramadan and many may not return.
- None of the equipment is marked as being provided by USAID.
- Ibb officials would like a copy of the closing project documents so that they can follow-up on any agreements or recommendations that USAID makes to the Ministry.
- They gave examples of how they sold root stock for YR60,000. The money went to the Ministry of Finance and they only have an operation budget of YR16,000 for the whole year.
- Most of the equipment cannot be used or has never been used because of lack of spare parts available in country.

- It was stated that they cannot account for all the equipment. It appears that the contractor assigned equipment to individuals without going through management and without obtaining receipts. As such, as the staff were transferred or promoted to other posts they took what they felt was their equipment with them (Since there are no receipts nothing can be proven). This would be mostly computers, cameras, videos, etc.
- Most of the trained staff has left because of the current management. Only two teachers of the 15 that were sent for advanced training are left at the site. Numerous complaints have been made to the Minister (We obtained copies of the key reports to the Minister). He has taken no action.
- In an attempt to keep the animals alive, the staff is collecting expired human vaccine from the local hospitals for free and consolidating it for the animals. There are 8 cows left compared to 20 when I was here last. Milk production has dropped. Eighty chickens out of 300 because of no money for feed concentrate.
- They are using the curriculum that was developed under the project, but feel that some modifications need to be made. The curriculum is 40 percent theory and 60 percent practical. This may be ideal, but, because there is no operational funds, it is not possible to carry-out all the practical exercises along with the class room instruction.
- The staff are very grateful for the physical plant (Mechanical workshop, buildings, etc.), tractors and equipment that is working, and for the training.
- Staff were getting incentives from the project. Now that incentives are no longer available, there is a lack of interest in the program and much of the well-trained staff has left.
- Campus has the capacity to handle 250 students in the three year program or about 80 new enrollments per year.
- The Director has not released any money for maintenance for nine months

and he has been away from his office for three months.

The overall situation at Ibb is appalling because of what appears to be the serious management problem. The evaluation report stated that the manager should be replaced. After seeing the site and talking to the staff, it appears that there is no hope for sustaining this activity under the current management. The problems of management and use or misuse of operation funds have been call to the attention of the Minister and the Governor in person and in writing by members of the staff. However, no positive action has been taken thus far.

Date: 5 May 92

Location: HITS Demonstration Farm at al-Jaroubah

Persons met: Jamil Salam, Director of Jaroubah Farm

Summary of comments and observations:

- 29 items costing over \$1,000 were observed representing 36 percent of the HITS equipment supplied to all sites in Yemen. Of the 29 items, more than half were out-of-order because of no spare parts.
- We were advised that the spare parts issue was raised in 1990 and AID requested a list of required parts. The list was supplied to AID, but no action was taken.
- Some of the equipment is beyond repair and would have to be replaced.
- The Army still occupies one of the four AID supplied mobile homes. Two of the mobile homes have roofs that leak, are suffering damage, and repairs have been unsuccessful at stopping the leakage.
- We were advised that the World Bank was not supporting the project (Contrary to Phase I visit information).

Date: 28 March 1992 (Phase I visit)

Location: HITS Demonstration Farm at al-Jaroubah

Persons met: Mr. Ali al Wisabi, Deputy Director of the Demonstration Farm

Summary of comments and observations:

- Observed 13 varieties of mango trees. However, there is no labelling system and they don't know which ones are of which variety. The mango trees are being destroyed by termites and the farm has no way of stopping them. The powder insecticide that was being provided by USAID is no longer available and the liquid insecticide that is sometimes on the market is too dangerous to use.
- The original drip irrigation system worked in the beginning. However, the original pump was replaced with a smaller one that was under capacity and the whole system started to fail due to lack of spare parts for the imported pipes and filtering system. The drip system has been abandoned and replaced with basin irrigation.
- Two tractors and most of the farm implements are out-of-order because of no spare parts. In some cases, there are no parts in country (Clutches) and in others (hydraulic lines) the parts are in-country and very costly. The Ministry has been requested to approve buying the expensive spares but have not or will not reply.
- Sprinklers in the nurseries are all out-of-order and the weather station is not functioning.
- Diesel fuel is a problem for the large generator they have. It was agreed to have USAID provide YR280,000 to replace the generator with a smaller one. Dealer agreed and ordered the generator and when it came he wanted YR800,000 although his bid was for the YR280,000. Problem not resolved.

- Now that USAID assistance has ended they are obtaining operating expenses from a World Bank project. Income from the farm is turned over to the Tihama Development Authority who turns it over to the Ministry of Finance.
- Views of lasting benefits from the USAID project:
 1. Facilities and knowledge to train extension agents. Hold month long seminar every three to six months for 40 agents, many of which are women.
 2. Trained staff at the Farm.
- The Army has taken over one of the mobil homes for personal use and will not return it to the Farm. Although USAID has been discussed with MAWR, no action has been taken.

General observation: There has been a tremendous waste of resources at this site. The use of high technology in a country that can't support the system is a costly mistake. The drip irrigation system is a prime example. The lower technologies of bubble irrigation system and PVC irrigation networks are cheaper, more practical, can be supported locally, and do not require complex filtering systems. It appears that no analysis of the sustainability issue was done by the team.

Date: 6 May 92

Location: Surdud Agricultural School

Persons met: Mosed Salah al Namir, Director

Summary of comments and observations:

- 27 percent of the Ministry of Education commodities were checked at Surdud, bringing the total check at MOE sites to 49 percent. Again, about one-half of the items checked were out-of-order because of the lack of spare parts.

- Again, the under-designed irrigation system was brought up and we inspected the site. It appears that the buried system was improperly designed and may not be easily modified.
- The Director stated that although the curriculum was developed, the teachers were not trained on how to use it. The curriculum is highly field-oriented and requires special teaching techniques.
- The budget that they have is not large enough to buy the spare parts that are on the open market because of their high cost.
- Numerous items were checked that were not on the commodity list, perhaps World Bank financed.

Date: 27 March 92 (Phase I visit)

Location: Surdud Agricultural School

Persons met: Dr. Mosed Salah al-Namir, Director (for past two years)

Summary of comments and observations:

- Three year program to obtain a Secondary Agricultural Certificate. Currently have 25 students in the third year of the program, 60 in the second year and 80 in the first year. ROYG is expanding the facilities to reach a capacity of 250 per year new enrollments. Several buildings are under construction. The original buildings were funded by the World Bank.
- USAID provided equipment for making and storing silage, a small drip irrigation system that didn't ever work, instructional equipment, farm equipment, motorcycle (out-of-order), vehicles, class room equipment, and YR10,000 per month for operation expenses.
- WB provided major lab equipment.

- ROYG now giving YR171,000 per quarter. We were told that this is too low to cover all costs.
- What did USAID support leave behind? The instructional units (curriculum) that were developed by the consultants. However, the units are not being used because the ROYG never formally approved them and thus they can not be officially used. However, some of the instructors are using parts of the units anyway. A factor that has delayed approval further or forever is unification. Now negotiations are going on to develop a uniform curriculum for both parts of the country.
- What are critical needs for future: 1) Continued improvement and development (and official approval) of curriculum and 2) Continued development and improvement of teaching staff. Most training can be done in-country at private sector firms and at the Universities of Sana'a and Aden. If money becomes available, some teachers would be sent abroad. Eight of the current instructional staff were trained at Zagazig in Egypt.

Date: 9 May 1992

Location: Faculty of Agriculture Instructional Farm, Sana'a

Persons met: Mr. Taha Yaseen Al-Adeemi, Instructional Farm Manager

Summary of comments and observations:

- 50 items costing more than \$1,000 were examined 44 percent of those procured for FOA. In addition, there was other equipment observed that were under the \$1,000 level. In general, the equipment and the vehicles examined appeared to be in better working order than any site visited in Yemen. Only approximately 11 percent of the equipment was out-of-order and included three chevrolet vehicles.
- FOA has a functional workshop that appears to have done an excellent job at

attempting to keep the equipment operational.

- It also appears that there are less budget constraints at the FOA site than the other sites visited.

Date: 24 March 1992 (Phase I visit)

Location: Faculty of Agriculture Instructional Farm, Sana'a - Project 052.5

Persons met: Dr. Ali Al-Zumair, Associate Dean FOA
 Dr. Ibrahim Al-Fatish, Faculty Member
 Dr. Mohamed Musleh Al-Sanabani, Faculty Member
 Dr. Ahmed Hamza, Associate Dean for Student Affairs
 Dr. Abdul Rahman Nassar, Animal Production Section
 Mr. Taha Yaseen Al-Adeemi, Instructional Farm Manager

Summary of comments and observations:

- The farm has developed the capacity to accommodate 125 students at one time with individual class sizes of 25 to 30.
- The well that was out-of-order when the advisers left has been repaired. Due to paper work and lack of USAID funds, it took over six months to replace the motor. During that time all field crops died, animals were underfed, and milk production dropped. They were able to save most of the trees by hauling water.
- There is a serious spare parts problem. Several vehicles and some lab equipment are out-of-order because of non-availability of parts in the local market. Apparently there was very few parts brought in with the equipment.
- The general quality of construction observed is excellent and should have minor maintenance problems with the physical plant.

- Greatest accomplishment - The design and construction of the facility by USAID so that they have a place to provide practical training to agricultural students. This is the only such facility in the country except for Aden University that has a smaller unit.
- Most serious problem to be faced now that USAID has withdrawn funding:
 1. No access to scholarships to train additional facility members. As such, will have to continue to rely on Egyptian and Iraqi instructors that make up about 50 percent of the staff. FOA has estimated that they will need to train 40 additional instructors in the future to meet the demand. To date, all participants that have completed their training are teaching at FOA.
 2. Cut-off from sources of current literature from U.S. Universities. Most of the Yemeni faculty are US graduates and they feel cut-off from their Universities.
 3. Lack of ability to have quick response to emergencies like the well failure.
 4. Inadequate funds for maintenance.
- Dr. Nassar said that they have requested that the University establish a revolving fund for maintenance of the Instructional Farm and let the farm run as a stand-alone unit using the proceeds from the sale of the student projects to replenish the fund. No approval yet. Current proceeds go to a fund controlled by the faculty and very little gets back to the farm.
- Observed student experiments with chickens, rabbits, hay production, milking operation, and vegetable and fruit production.

In general, we were impressed with what has been accomplished in such a short time by the project and the hopes and aspirations of the staff. Dr. Abdul Rahman Nassar said that they would prepare a report and send it to USAID on the accomplishments under the project and the benefits that could be

obtained by continuing the project later. The commodities purchased under the project appear to be in reasonably good shape except for those that are out-of-order because of the lack of spare parts locally. To attempt to repair as much of the equipment as possible, a shop has been established and attempts are being made to make some of the needed spare parts.

Date: 9 May 92

Location: HITS site at Irra near Sana'a

Persons met: Amer Abdulmajeed, Manager of Irra Farm.

Summary of comments and observations:

- 17 items costing over \$1,000 were observed at this site. Combined with those at Jaroubah brings the total observed to 58 percent of the HITS equipment supplied to all sites in Yemen. Another 20 items were inspected that did not show on the inventory. Of the 37 items, more than half were out-of-order because of no spare parts.
- The budget situation is so severe that all training has been stopped and the class rooms are sitting vacant.

FINDINGS:

1. In general, the survey showed that the commodities delivered to the various project sites was still in place. Except where spare parts were not available (Due to cost or nonexistence) the equipment was operational and appeared to be in use by project staff.
2. A high percentage of equipment not commonly found in Yemen was out-of-order because there is no spare parts available in the local market.
3. Much of the high technology equipment was also out-of-order (High

pressure drip irrigation systems and laboratory equipment). And in many cases we were told that the staff did not know how to use the specialized laboratory and farm equipment.

4. At each site, more equipment was observed than what was on the list supplied by CID. Since other donors have been involved and the USAID equipment (in most cases) has not been marked, it was difficult to determine which piece of equipment came from whom. In addition, the list of equipment was very general and did not include serial numbers so it was difficult to correlate the items in all cases.
5. There was no indication from the field visits that a further more in depth survey or audit is needed of the commodities purchased under the project. However, more detailed records will be required that show model and serial numbers before spare parts can be ordered for the USAID-financed equipment. Those records are available with CID and should be requested.
6. Because of the lack of operating budgets, one has to question the wisdom in obtaining spare parts and repairing all the equipment. That is, will there be sufficient funds available to operate and use the equipment once it is repaired? It is recommended that the Mission not proceed with the procurement of spare parts until the Ministries and FOA provide assurance that adequate budgets will be made available to keep the project sustainable.

Consortium for International Development
 (Asian A.R. Agricultural Development Support Program)
 Schedule of Non-Expendable Equipment
 December 31, 1997

Item No.	Description	Type	Plate #	Serial Number	Inventory Number	Cost	Observed Location	Subproject Purchased by
1	Chev Citation	V	547	191345	202587	7,910	?	CORE
2	Typewriter	T			202719	1,247		CORE
3	Engine	V			203101	850	??	CORE
4	Truck 91 GMC	V	375	567410	203215	20,423	ADSP	CORE
5	Chev Citation	V	1550	179440	203350	7,359	Warehouse	CORE
6	Transcriber ODX II	O			203594	538	ADSP	CORE
7	Tool Set 187	Z			204042	672	AID	CORE
8	Micrograph AG Dick 411	O			204166	545	??	CORE
9	File Fire Brav	O			204167	595	ADSP rnc22	CORE
10	File Fire Brav	O			204168	595	ADSP rnc22	CORE
11	File Fire Brav	O			204169	595	ADSP rnc22	CORE
12	File Fire Brav	O			204170	595	Warehouse	CORE
13	File Fire Brav	O			204171	595	IBB	CORE
14	Suburban 91 GMC	V	285	515176	204177	11,187	Warehouse	CORE
15	Carry-all 91 GMC	V	445	515108	204178	9,359	ADSP	CORE
16	Chev Citation	V	312	247465	204240	7,249	FOA	CORE
17	Pickup 91 Chev	V	543	136468	204241	9,753	FOA	CORE
18	Saw Radial Craftsman	Z			204315	500	AID	CORE
19	Miller 5 speed	Z			204737	650	Warehouse	CORE
20	Engine - Chev	V			205143	1,558	Vehicle 857	CORE
21	Charger Series 6066	Z			205406	672	AID	CORE
22	10 Transformers	O			206284	5,059	Apartment	CORE
23	Typewriter 151 Sel II	T			206522	890		CORE
24	Machine Tire Coats	Z			206551	1,386	AID	CORE
25	Crane Mobile Blackhawk	Z			206747	1,075	AID	CORE
26	Crane Truck	Z			206757	1,241	AID	CORE
27	Generator	Z			207272	5,032	Warehouse	CORE
28	Welder 22749	Z			207273	995	AID	CORE
29	Truck life rale	Z			208764	8,210	AID	CORE
30	Chev 92 Suburban	V	1045	123636	209252	13,581	Warehouse	CORE
31	Mach Video Tape TV	Z			210975	1,141	??	CORE
32	Pickup Chev 1/2 ton	V	1312	175059	212094	9,534	Al-Inna	CORE
33	Suburban Chev 93	V	426	111782	214329	12,781	ADSP	CORE
34	Suburban Chev 92	V	296	114484	214927	12,381	ADSP	CORE
35	Pickup 93 Chev	V	752	135771	215510	9,654	FOA	CORE
36	Pickup 93 Chev	V	286	135781	215511	9,654	ADSP	CORE
37	Pickup GMC 93	V	425	515235	215577	11,470	IBB	CORE
38	Proj 84H Ringmaster	O			216211	614	ADSP rnc10	CORE
39	Proj 84H Ringmaster	O			216212	614	Warehouse	CORE
40	Suburban GMC	V	307	515457	216786	12,800	ADSP	CORE
41	Suburban GMC	V	330	515317	216271	12,157	ADSP	CORE
42	Microcast Scraver	Z			216292	2,113	Bir Al Juhasin	CORE
43	Chev Wagon 93	V	297	204634	216400	8,495	ADSP	CORE

63

44	Transcriber dictaphone	O			217858	612	†	Warehouse	CORE
45	Transcriber dictaphone	O			217859	612	†	Warehouse	CORE
46	Transcriber dictaphone	O			217870	612		FOA	CORE
47	Desk 20" Steelcase	O			218072	503	†	DLRC	CORE
48	Desk 20" Steelcase	O			218073	503	†	ADSP rm10	CORE
49	Desk 20" Steelcase	O			218074	503	†	ADSP rm6	CORE
50	Projector Bell & Howell	O			218151	850	†	ADSP rm13	CORE
51	Projector Bell & Howell	O			218152	614	†	15B	CORE
52	Projector Bell & Howell	O			218154	614		??	CORE
53	Typewriter IBM Sel III	T			218433	720	†	ADSP rm15	CORE
54	Base System Wang	C	9A4727		219353	2,351	†	ADSP rm16	CORE
55	Base System Wang	C	9A2332		219359	2,351	†	ADSP rm12	CORE
56	Base System Wang	C	0A1854		219360	2,351	†	MAF	CORE
57	Bed Posturebasic Sealy	H			219978	899		Apartments	CORE
58	Fencing Sears	Z			220284	15,439	†	Al-Irra	CORE
59	Plotter Graphic	C	A99610		220594	792	†	FOA	CORE
60	Supply Power Battery	C			221020	796	†	ADSP rm12	CORE
61	Cabinet Card Catalog	O			221021	732	†	DLRC	CORE
62	Cabinet Card Catalog	O			221022	732	†	DLRC	CORE
63	Chev Suburban	V	47	148724	221537	12,160	†	ADSP	CORE
64	Pickup Chev	V	45	148144	221540	9,513	†	ADSP	CORE
65	Chev Suburban	V	48	148502	221541	12,160	†	ADSP	CORE
66	Chev Suburban	V	30	148508	221542	12,160	†	15B	CORE
67	Transformer voltage	C			221550	832		??	CORE
68	Typewriter IBM Elec III	T			221550	1,345			CORE
69	Graphics	O			221508	12,243	†	MAF	CORE
70	Graphics	O			221509	12,243	†	FOA	CORE
71	Printer Matrix	C			222102	548	†	ADSP rm12	CORE
72	Printer Daisy	C			222103	932	†	ADSP rm27	CORE
73	Memory Computer	C			222104	605	†	ADSP rm15	CORE
74	Memory Computer	C			222105	605	†	MAF	CORE
75	Memory Computer	C			222105	605	†	ADSP rm12	CORE
76	Mag Shelving	O			225425	525	†	DLRC	CORE
77	Computer Apple II	C			216583	1,148		??	CORE
78	Drive Disk II	C			216583	550		??	CORE
79	Computer Workstation	C	Q14551		222014	2,742	†	ADSP rm23	CORE
80	Printer Letter Dual	C			221910	937		??	CORE
81	Inager Master	O			225747	14,655	†	FOA	CORE
82	Inager Master	O			225744	14,655	†	MAF	CORE
83	Valve Refacer	Z			225757	2,429		A10	CORE
84	Mwik Comb Disk & Crum Brake	Z			225758	3,707		A10	CORE
85	Humidifier	Z			225776	2,775		APARTMENTS	CORE
86	Battery Unint.erruptible	C			226547	853	†	ADSP rm21	CORE
87	Battery Uninterruptible	C			226550	853	†	ADSP rm23	CORE
88	Transformer Constant	C			226551	871		??	CORE
89	Transformer Constant	C			226552	872		??	CORE
90	Computer w/monitor	C	SH6221		227051	2,956	†	ADSP rm23	CORE
92	Refridgerator White	H			231369	700		Jaruba	CORE
93	Refridgerator White	H			231369	700		Apartments	CORE
94	Refridgerator White	H			231369	700		Apartments	CORE
95	Refridgerator White	H			231369	700		Apartments	CORE
96	Refridgerator White	H			231369	700		Apartments	CORE
97	Refridgerator White	H			231369	700		Apartments	CORE
98	Refridgerator White	H			231369	700		Apartments	CORE
99	Refridgerator White	H			231369	700		Apartments	CORE
100	Refridgerator White	H			231369	700		Apartments	CORE
101	Refridgerator White	H			231369	700		Apartments	CORE

102 Sofa	H	232932	577	Apartment	CORE
103 Sofa	H	232972	577	Apartment	CORE
104 Sofa	H	232913	577	Apartment	CORE
105 Sofa	H	232953	577	Apartment	CORE
106 Sofa	H	232993	577	Apartment	CORE
107 Sofa	H	232133	577	Apartment	CORE
108 Stereoscope Precision Mirror	Z	235973	1,350	Warehouse	CORE
109 Machine, Binding Thermal	O	241076	2,020	DLRC	CORE
110 Software DBASE III	C	243320	557	AGSP	CORE
111 Cutter Bullbitone	Z	243352	7,455	DLRC	CORE
112 Software Wang ISI	C	245277	910		CORE
113 Software Wang ISI	C	245298	910		CORE
114 Abergrach Magnua	Z	245423	3,075	MAF	CORE
115 Camera Brnoico Arts	Z	246211	4,495	MAF	CORE
115 Table, light	Z	246391	1,124	??	CORE
117 Table, light	Z	247762	1,124	FDA	CORE
118 Field Unit Easy Logger	Z	229175	1,475	Weather Station	CORE
119 Field Unit Easy Logger	Z	229175	1,475	Weather Station	CORE
120 Terminal, Easy Logger	Z	229177	560	Weather Station	CORE
121 Reader, Easy Logger	Z	229178	600	Weather Station	CORE
122 Bruck	Z	229181	520	Weather Station	CORE
123 Datasad w/sensors	Z	229501	1,395	Weather Station	CORE
124 Datasad w/sensors	Z	229502	1,395	Weather Station	CORE
125 Bruck 175 millibar	Z	229505	520	Weather Station	CORE
126 Micrologger fat	Z	229377	1,460	Weather Station	CORE
127 Micrologger fat	Z	229399	1,460	Weather Station	CORE
128 Micrologger fat	Z	229377	1,460	Weather Station	CORE
129 Generation strength	Z	229773	1,500	Weather Station	CORE
130 micro logger	Z	229775	1,460	Weather Station	CORE
131 micro logger	Z	229776	1,460	Weather Station	CORE
132 Cassette Interface	Z	229777	980	Weather Station	CORE
133 Micro logger	Z	229377	1,460	Weather Station	CORE
134 Micro logger	Z	229378	1,460	Weather Station	CORE
135 Micro logger	Z	229379	1,460	Weather Station	CORE
136 Micro logger	Z	229380	1,460	Weather Station	CORE
137 Micro logger	Z	229381	1,460	Weather Station	CORE
138 Generator	Z	229753	1,137	??	HITS
139 Generator	Z	229759	1,137	??	HITS
140 Sprayer 100gal Kohler	Z	229619	2,171	* AI - Irra	HITS
141 Sprayer 100gal Kohler	Z	229620	2,171	Jaruba	HITS
142 Sprayer 200 gal	Z	229621	2,171	* AI - Irra	HITS
143 Sprayer 200 gal	Z	229622	2,171	Jaruba	HITS
144 Backhoe B60 Kelley	Z	229772	5,203	* AI - Irra	HITS
145 Computer Apple II	C	206976	1,320	??	CORE
146 Printer Transfer	C	206250	544	??	CORE
147 Projector Overhead	O	224935	520	* DLRC	CORE
148 Desk Single Pedetal	O	225917	525	* DLRC	CORE
149 Desk Single Pedetal	O	225920	525	* DLRC	CORE
150 Desk Single Pedetal	O	225921	525	* DLRC	CORE
151 Mach Floor 15"	Z	225179	1,277	* DLRC	CORE
152 Cabinet File	O	225404	2,495	* DLRC	CORE
153 Typewriter, IBM Selc II	T	230555	897	* DLRC	CORE
154 Typewriter, IBM Selc II	T	230556	897	* Warehouse	CORE
155 Typewriter, IBM Selc II	T	230557	897	* DLRC	CORE
156 Recorder Video	O	230843	695	* DLRC	CORE
157 Television, Remote Color	O	230844	510	* DLRC	CORE
158 Auto 1985 Chev Bu-LBAM	V	237417	14,923	* AGSP	CORE

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159 Tank, Water Heater	Z	208044	1,830	F	FDA	FDA
160 Tank, Water Heater	Z	208045	1,830	F	FDA	FDA
161 Tank, Water Heater	Z	208046	1,830	F	FDA	FDA
162 Computer Book	O	241054	1,144	??		FDA
163 Projector, Motion Picture	O	240466	989	F	FDA	FDA
164 Projector, Motion Picture	O	240467	989	F	FDA	FDA
165 Refrigerator/Freezer	H	241850	805		Gov's house	FDA
166 Water Tank Trawler	Z	240864	3,578	F	FDA	FDA
167 Portable Supp	Z	241868	1,555	F	FDA	FDA
168 Milker	Z	240866	639	F	FDA	FDA
169 Transcriber	O	241867	572	F	FDA	FDA
170 Transcriber	O	240868	572	??		FDA
171 Micro logger	Z	240070	1,460	F	FDA	FDA
172 Micro logger	Z	240071	1,460	F	FDA	FDA
173 Interface, Cassette	O	240875	980	F	FDA	FDA
174 Sprayer 35 gal	Z	244845	611	F	FDA	FDA
175 Rack Poultry Cooling	Z	244846	644	F	FDA	FDA
176 Machine Ice	Z	244848	1,570	F	FDA	FDA
177 Table Surgery	Z	244849	1,475		Constr.	FDA
178 Cleaner Water, High Pressure	Z	244850	1,249	F	FDA	FDA
179 Sprayer Foliarizer	Z	244851	1,512	F	FDA	FDA
180 Disk Hard for Apple Mac	O	244852	243	??		FDA
181 Power 35"	Z	244853	216	F	FDA	FDA
182 Sink Cover Corner	O	244858	532	F	FDA	FDA
183 Compressor Portable	Z	245102	500	F	FDA	FDA
184 Trailer Utility	Z	245019	545	F	FDA	FDA
185 Trailer Utility	Z	245020	546	F	FDA	FDA
186 Trailer, Trail Deck	Z	245021	2,171	F	FDA	FDA
187 Hydroprobe	Z	245022	3,910	F	FDA	FDA
188 Wrench Set, Tolloway	Z	245023	1,140	F	FDA	FDA
189 Balance	Z	245024	664	F	FDA	FDA
190 Milking Parlor	Z	245028	786	F	FDA	FDA
191 Milking Parlor	Z	240039	707	F	FDA	FDA
192 Cabinet, Chicken Killing	Z	245030	707	F	FDA	FDA
193 Table Eviscerating	Z	245031	1,010	F	FDA	FDA
194 Projector Sound/slide	O	241035	637	F	FDA	FDA
195 Scale Metric Fairbanks	Z	245030	1,294	??		FDA
196 Generator Light-dark	Z	245031	875	F	FDA	FDA
197 Crane Gantry 2 ton	Z	245032	1,407	F	FDA	FDA
198 Incubator auto turn	Z	245033	1,243	F	FDA	FDA
199 Incubator auto turn	Z	245034	1,243	F	FDA	FDA
200 Hatcher 4-110-22"	Z	245035	711	F	FDA	FDA
201 Hatcher 4-110-22"	Z	245036	711	F	FDA	FDA
202 Eviscerator, Mechanical	Z	245037	3,059	F	FDA	FDA
203 Balance, Galvay 6400	Z	245038	664	F	FDA	FDA
204 Balance Galvay 6400	Z	245039	664	F	FDA	FDA
205 Thresher Die gas 30x40x100	Z	245040	2,104	F	FDA	FDA
206 Bundle Cutter 26"	Z	245041	2,627	F	FDA	FDA
207 Thresher 2x20x100 (110-)	Z	245042	6,110	F	FDA	FDA
208 Grain Drill	Z	245043	5,259	F	FDA	FDA
209 Generator 10.7/50hz	Z	245044	2,153	F	FDA	FDA
210 Balance, too load Chaus	Z	246017	650	F	FDA	FDA
211 Microscope	Z	245070	715	F	FDA	FDA
212 Microscope	Z	245071	715	F	FDA	FDA
213 Refrigerator 14 ft	Z	245072	1,311	F	FDA	FDA
214 Refrigerator 11 ft	Z	245073	1,311	F	FDA	FDA
215 Refrigerator 11 ft	Z	245074	1,311	F	FDA	FDA

216 Refrigerator 14 ft	Z			246299	1,311	F	FOA	FOA
217 Oven Drving Forced Convection	Z			246300	664	F	FOA	FOA
218 Modem Smartmodem	Z			246582	545	F	FOA	FOA
219 Generator Mobile Diesel	Z			246584	25,650	F	FOA	FOA
220 Camera, Polaroid	Z			246585	395	F	FOA	FOA
221 Sprayer, Power 55gal	Z			247103	1,035	F	FOA	FOA
222 Pallet, Hay	Z			247207	2,090	F	FOA	FOA
223 Basin, Hay	Z			247208	6,650	F	FOA	FOA
224 Sprinkler	Z			247430	2,075	F	FOA	FOA
225 Light, Surgery 181w	Z			247500	1,100	F	Const	FOA
226 Water Heater, Solar 120 Gal	Z			247551	1,900	F	FOA	FOA
227 Cabinet Slide-bank	Z			247552	668	F	FOA	FOA
228 Cabinet Slide-bank	Z			247553	608	F	FOA	FOA
229 Cabinet, Slide-bank	Z			247554	108	F	FOA	FOA
230 Viewer, Double on Frate Legs	Z			247555	575	F	FOA	FOA
231 Oven Drving	Z			248511	864	F	FOA	FOA
232 Oven Drving	Z			248512	864	F	FOA	FOA
233 Computer Macolus	C			248707	1,235		FOA	FOA
234 Datafrase 40 20	Z			249002	768		FOA	FOA
235 Pipe Thread, 1/8"-2"	Z			249202	1,172	F	FOA	FOA
236 Saw, Radial Arm 10"	Z			249204	1,400	F	FOA	FOA
237 Printer, Laserwriter plus	Z			249410	3,327		OSU	FOA
240 UPS 1000 VA Ringround	Z			250405	785	F	FOA	FOA
241 UPS 1000 VA Ringround	Z			250407	785	F	FOA	FOA
242 Suburban 37 Chev	V	2689	141501	250499	17,667	F	FOA	FOA
243 Suburban 37 Chev	V	2689	141507	250500	17,667	F	FOA	FOA
244 Truck 37 Chev	V	2689	148607	250501	17,222	F	FOA	FOA
245 Hagon, Farm Pipe Carrier	Z			250502	1,288	F	FOA	FOA
246 Tractor, Ford 41hp	Z			250758	10,776	F	FOA	FOA
247 Tractor, Ford 22hp	Z			250759	7,412	F	FOA	FOA
248 Computer, IBM 286	C			251462	1,936		OSU	FOA
249 Computer Compaq II	C			251463	2,561		Dean's office	FOA
250 Software, Oversticker plus	C			251464	595		OSU	FOA
251 Frequency Converter	C			251684	2,321			FOA
252 Tester, Seed cleaner	Z			252075	925	F	FOA	FOA
253 Scale, Beam 1400kg	Z			252497	1,015	F	FOA	FOA
254 Scale, Portable 200kg	Z			252498	542	F	FOA	FOA
255 Cattle Squeeze	Z			252499	2,474	F	FOA	FOA
256 Grinder, Blender, Gull 1hp	Z			252110	879		Const	FOA
257 Pregnancy Detector	Z			252101	692	F	FOA	FOA
258 Tractor, Ford 40hp	Z			252375	11,506	F	FOA	FOA
259 Modem, Hayes Smart	C			252378	645		OSU	FOA
260 Computer Equus, Brashara	C			252416	526		OSU	FOA
261 Centrifuge, Clay Adams	Z			252678	1,071	F	FOA	FOA
262 Software, 386S for IBM	C			254108	675		OSU	FOA
270 Computer IBM PC/XT	C			254368	1,477		OSU	FOA
271 Display, Radius Full Page	C			254809	1,795		OSU	FOA
272 Datafrase, 1F30	Z			254369	900		OSU	FOA
273 Booster System Water	Z			254372	2,300	F	FOA	FOA
274 Scanner, Abaton Flat Bed	Z			255077	1,699		OSU	FOA
275 Computer, Mac Plus	C			256144	1,174		OSU	FOA
276 Printer, Laserwriter	C			256108	7,680		OSU	FOA
277 Flow, Rotary	Z			256500	671	F	FOA	FOA
278 Flow, Rotary	Z			256501	671	F	FOA	FOA
279 Tractor, Garden	Z			256111	2,499	F	FOA	FOA
280 Tractor, Garden	Z			256410	2,499	F	FOA	FOA
281 Tractor, Garden	Z			256515	2,499	F	FOA	FOA

Best Available Document

282 Tractor, Garden	Z	255647	2,498	F	FOA	FOA
283 Mower 32"	Z	255648	974	F	FOA	FOA
284 Mower sickle	Z	255649	726	F	FOA	FOA
285 Mower sickle	Z	255650	726	F	FOA	FOA
286 Ripper, Integral	Z	255656	684		OSU	FOA
287 Power supply uninterruptible	C	255656	985			FOA
288 Power supply uninterruptible	C	255657	985			FOA
289 Plow - Ford	Z	255671	630	F	FOA	FOA
290 Loader, Ford 770 w bucket	Z	255686	1,662	F	FOA	FOA
291 Rototiller, Ford 50"	Z	255687	893	F	FOA	FOA
292 Rototiller, Ford 50"	Z	255688	901	F	FOA	FOA
293 Auger, Ford	Z	255697	530	F	FOA	FOA
294 Loader, Ford 770F	Z	255697	2,345	F	FOA	FOA
295 Harrow, Disc	Z	255640	1,104	F	FOA	FOA
296 Spreader, Manure	Z	255641	2,767	F	FOA	FOA
297 Copouter, AGI Disc hard disk	C	none	2,141		OSU	FOA
298 Copouter, AGI Disc hard disk	C	none	2,141		OSU	FOA
299 Machine, Binding thermal	D	241077	2,130	F	FOA	FOA
300 Cutter, Guillotine -Olivetti	C	240357	7,455	F	FOA	FOA
301 Aesograph Magnus 251	C	245404	3,095	F	FOA	FOA
302 Cassera, Grapho arts	C	246211	4,495	F	FOA	FOA
303 Mower, Hay 7' bar	Z	255242	2,457	F	FOA	FOA
304 Cooler, Milk Can	Z	255503	7,180		OSU	FOA

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1001 Manitoba Duster	D	458	3,576	F	189	1891
1002 Mobil Hose	H	457	32,616	F	189	1891
1003 Mobil Hose	H	453	32,616	F	186	1891
1004 Mobil Hose	H	457	32,616	F	181	1891
1005 Mobil Hose	H	461	32,616	F	189	1891
1006 Mobil Hose	H	461	32,616	F	186	1891
1007 Mobil Hose	H	462	32,616	F	186	1891
1008 Mobil Hose	H	460	32,616	F	189	1891
1009 Mobil Hose	H	464	32,616	F	FOA	1891
1010 Mobil Hose	H	463	32,616	F	FOA	1891
1011 Generator	Z	467	17,810	F	189	1891
1012 Arc Welder	Z	507	1,300	F	188	1891
1013 Generator	Z	538	1,235	F	189	1891
1014 Welder	Z	547	762	F	180	1891
1015 Granger Parts Cleaner	Z	520	641	F	188	1891
1016 Gas High Pressure Washer	Z	584	2,618	F	186	1891
1017 Tractor	Z	585	3,576	F	189	1891
1018 Duplicator	C	557	501	F	188	1891
1019 Missograph	C	575	1,773	F	188	1891
1020 Manure Spreader	Z	578	3,498	F	188	1891
1021 Forage Harvester	Z	577	5,200	F	188	1891
1022 Tractor/Plow	Z	600	3,025	F	180	1891
1023 Transit	F	602	715	F	180	1891
1024 Shredder	F	609	1,107	F	188	1891
1025 Victor Printer	C	611	875	F	188	1891
1026 Victor 8000	C	612	2,995	F	189	1891
1027 Tractor	Z	614	4,914	F	189	1891
1028 Sickle Bar Mower	Z	615	1,053	F	189	1891
1029 Mastag Washer	H	616	532	F	188	1891
1030 Rotary Tiller	Z	617	744	F	185	1891

1031 Fan Loader	Z	619	654	F	100	1941
1032 Tractor	Z	620	7,811	F	100	1941
1033 Three Point Hitch	Z	621	795	F	100	1941
1034 Hoist - On Flat Bed Truck	Z	627	775	F	410	1941
1035 Tool Cabinet	Z	630	963	F	100	1941
1036 Tool Box	Z	633	593	F	100	1941
1037 Sharp All	Z	634	892	F	100	1941
1039 Post Hole Digger	Z	640	645	F	100	1941
1039 Rock Picker	Z	656	1,750	F	100	1941
1040 Mower	Z	657	654	F	100	1941
1041 Front end Loader	Z	657	1,485	F	100	1941
1042 Flow	Z	660	1,299	F	100	1941
1043 CM Transparency Maker	0	661	840	F	100	1941
1044 Water Tank	Z	662	1,536	F	100	1941
1045 Water Tank	Z	662	1,536	F	100	1941
1046 Tank	Z	665	2,165	F	100	1941
1047 Tank	Z	666	2,185	F	100	1941
1048 Circuit Breaker	Z	667	1,750	F	100	1941
1049 Circuit Breaker	Z	668	918	F	100	1941
1050 Fuel Tank	Z	670	5,286	F	100	1941
1051 Circuit Breaker	Z	670	2,050	F	100	1941
1052 Circuit Breaker	Z	674	2,050	F	100	1941
1053 Blade	Z	675	300	F	100	1941
1054 Sprinkler Unit	Z	676	500	F	100	1941
1055 Mower	Z	677	575	F	100	1941
1056 Loader Frame	Z	678	395	F	100	1941
1057 Loader Bucket	Z	680	515	F	100	1941
1058 Standall Maker	Z	678	1,625	F	100	1941
1059 Bobcat Protector	Z	677	742	F	100	1941
1060 Gas Fired Storage	Z	700	507	F	100	1941
1061 Floor Crane	Z	702	1,049	F	100	1941
1062 Spindle Grinder	Z	703	770	F	100	1941
1063 Band Saw	Z	704	2,272	F	100	1941
1064 Table Saw	Z	707	1,377	F	100	1941
1065 Radial Arm Saw	Z	708	575	F	100	1941
1066 Cabinet	Z	709	565	F	100	1941
1067 Video Equip	Z	710	755	F	100	1941
1068 Video Equip	Z	711	766	F	100	1941
1069 Video Equip	Z	712	766	F	100	1941
1070 Video Equip	Z	713	766	F	100	1941
1071 3 Panel Basic Unit	Z	714	870	F	100	1941
1072 3 Panel Basic Unit	Z	715	370	F	100	1941
1073 Overhead Projector	0	716	524	F	100	1941
1074 Overhead Projector	0	717	524	F	100	1941
1075 Overhead Projector	0	718	524	F	100	1941
1076 Overhead Projector	0	719	524	F	100	1941
1077 Dry Mount Press	Z	720	700	F	100	1941
1078 Grease Separator	Z	721	540	F	100	1941
1079 Milk Fat Tester	Z	722	675	F	100	1941
1080 Cheese Making Vat	Z	724	3,795	F	100	1941
1081 Refractometer	Z	725	2,150	F	100	1941
1082 100 III Combination	Z	729	526	F	100	1941
1083 Dictaphone	0	730	750	F	100	1941
1084 1/2 Lettering System	0	731	607	F	100	1941
1085 Enlarger	Z	732	570	F	100	1941
1086 Kelly Hyd Control Unit	Z	733	1,300	F	100	1941
1087 Bucket Stabilizer Assy	Z	733	1,128	F	100	1941

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1088 Water Pump	Z	737	854	F	189	1841
1089 Water Pump	Z	740	864	F	188	1841
1090 Water Pump	Z	741	954	F	188	1841
1091 Loading Auger	Z	747	950	F	188	1841
1092 Storage Bin	Z	748	977	F	188	1841
1093 Storage Bin	Z	758	977	F	188	1841
1094 Software - Student Records	Z	1001	950	F	189	1841
1095 Wordstar	Z	1002	715	F	188	1841
1096 Sando Cow	Z	1003	1,344	F	188	1841
1097 Electric Scalder	Z	1004	548	F	188	1841
1098 Platform Scale	Z	1006	993	F	188	1841
1099 Vac. Pump	Z	1007	1,495	F	188	1841
1100 Portable Electric Milker	Z	1008	2,007	F	188	1841
1101 Portable Vac Pump Assy	Z	1009	1,085	F	188	1841
1102 Master Control Panel	Z	1010	997	F	188	1841
1103 Milk Receiver	Z	1011	985	F	188	1841
1104 Fresh Chopper	Z	1014	1,240	F	188	1841
1105 Telex Copypette	Z	1015	658		Surplus	1841
1106 Proj 80 Electric Letter Set	Z	1015	575		"	1841
1107 Video Cassette recorder	Z	1015	575		NMSU	1841
1108 Digital Cond Meter	Z	1013	557	F	188	1841
1109 Spectrophotometer	Z	1017	2,438		188	1841
1110 Dictator	O	1022	725		"	1841
1111 Dictator	O	1023	725		"	1841
1112 Carriage Assembly	Z	1025	377	F	188	1841
1113 Page Duplicator	Z	1028	790	F	188	1841
1114 Chipper Drive Tester	Z	1029	925		188	1841
1115 Copier	Z	1032	1,095	F	188	1841
1116 Telex	Z	1040	750	F	188	1841
1117 Heifer Training Cow	Z	1045	3,675	F	188	1841
1118 Universal Trainer	Z	1045	1,758	F	188	1841
1119 Steam Kettle	Z	1048	1,695	F	188	1841
1120 Steam Kettle	Z	1049	1,775	F	188	1841
1121 Steam Pressure Equip	Z	1050	6,000	F	188	1841
1122 Test Scorer	Z	1050	1,695	F	188	1841
1123 Mower Attachment	Z	1051	717	F	188	1841
1124 Test Scorer	Z	1051	1,695	F	188	1841
1125 Schaefer	Z	1052	625	F	188	1841
1126 Platform Bed	Z	1053	750	F	188	1841
1127 Wagon Gear	Z	1053	950	F	188	1841
1129 Scissor Hoist	Z	1053	956	F	188	1841
1129 Grain Sides	Z	1052	922	F	188	1841
1130 Electric Sealer	Z	1054	1,097	F	188	1841
1131 Thermofax	Z	1061	822		Surplus	1841
1132 Duplicator	Z	1062	515		Surplus	1841
1133 Projector	Z	1063	733		Surplus	1841
1134 Scaunching for Sheep	Z	1069	647	F	188	1841
1135 Ltd. Vnt. Frenzer	Z	1069	576	F	188	1841
1136 Grain Auger	H	1070	714	F	188	1841
1137 Mower	H	1071	375	F	188	1841
1138 Dryer	H	1072	550	F	188	1841
1139 Dryer	H	1073	550	F	188	1841
1140 Dishwashers	H	1074	610	F	188	1841
1141 Dishwashers	H	1075	610	F	188	1841
1142 Dishwasher	H	1075	545	F	188	1841
1143 Cement Mixer	Z	1079	753	F	188	1841
1144 Disc	Z	1079	3,250	F	188	1841

1145 Truck	V	2703	513452	1081	20,778	F	188	1841
1146 Water Bath	Z			1082	353	A	189	1841
1147 Fertilizer	Z			1120	1,078	F	182	1841
1148 Refrigerator	H			1101	596		NMSU	1841
1149 Roto Tiller	Z			1102	702	F	188	1841
1150 Zenith Computer	C			1105	399		Egypt	1841
1151 Mac 20	C			1105	950	F	188	1841
1152 Mac Plus Computer	C			1107	2,193	F	189	1841
1153 Test Scorer Machine	Z			1110	1,695	F	188	1841
1154 Shredder Cutter	Z			1114	1,116		Surood	1841
1155 Shredder Cutter	Z			1115	1,116		Surood	1841
1156 Shelf Stand	Z			1117	695	F	188	1841
1157 Shelf Stand	Z			1118	695	F	188	1841
1158 Shelf Stand	Z			1119	695	F	188	1841
1159 Shelf Stand	Z			1120	695	F	188	1841
1160 Shelf Stand	Z			1121	695	F	188	1841
1161 Shelf Stand	Z			1122	695	F	188	1841
1162 Lab Table	Z			1123	595	F	188	1841
1163 Lab Table	Z			1124	595	F	188	1841
1164 Lab Table	Z			1125	595	F	188	1841
1165 Lab Table	Z			1126	595	F	188	1841
1166 Refrigerator	H			1127	595	F	188	1841
1167 Refrigerator	H			1128	595	F	188	1841
1168 Mac 3E	C			1129	901	F	188	1841
1169 Mower Conditioner	Z			1130	1,195	F	188	1841
1170 Hay Baler	Z			1131	6,620	F	188	1841
1171 Incubator	Z			1132	5,249	F	188	1841
1172 Pulver Finisher	Z			1133	2,100	F	188	1841
1173 Sausage Chute	Z			1134	3,687	F	188	1841
1174 Tractor Cultivator	Z			1135	1,245	F	188	1841
1175 Storage Bin	Z			1136	2,190	F	188	1841
1176 Concrete Mixer	Z			1137	1,310	F	188	1841
1177 Refrigerator	H				791	F	188	1841
1178 Receiver	Z				801	F	188	1841
1179 Rotary Tiller	Z				705	F	188	1841
1180 Rotary Tiller	Z				1,160	F	188	1841
1181 Water Level Control	Z				1,162	F	188	1841
1182 Water Level Control	Z				765	F	188	1841
1183 Rotary Brush Cutter	Z				765	F	188	1841
1184 Disc Harrow	Z				1,498	F	188	1841
1185 Nitrogen Freezer	Z				842	F	188	1841
					580		SanaVetSch	1841

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2001 John Deere 750 diesel tractor	Z		18057		15,898	F	Al-Irra	HITS
2002 John Deere 750 Diesel tractor	Z		7926		15,898	F	Jarouba	HITS
2003 Greenhouse with accessories	Z				10,875	F	Al-Irra	HITS
2004 John Deere 2070 tractor	Z		L022500480719		27,554	F	Al-Irra	HITS
2005 John Deere 2070 tractor	Z		L022500481027		27,554	F	Jarouba	HITS
2006 CAT300A skidder sprayer	Z		1128F		9,757	F	Jarouba	HITS
2007 2010 AZD 205 1.5L Motor generator	Z		377F		4,516	F	Jarouba	HITS
2008 Weather Station	Z				5,942	F	Al-Irra	HITS
2009 Weather Station	Z				5,942	F	Jarouba	HITS
2010 Irrigation system (Jarouba)	Z				51,223	F	Al-Irra	HITS
2011 hygrothermograph	Z		NA0514		1,112	F	ADSP	HITS
2012 hygrothermograph	Z		NA0503		1,112	F	Al-Irra	HITS

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2013 Electronic Soil Testing Kit	Z	Model 16L-1660	1,169	F	ADSP-Office	4016
2014 Percival Incubator	Z	9503122.3	7,825	F	German Farn	4016
2015 Percival Incubator	Z	9503122.4	7,825	F	German Farn	4016
2016 Mite Brushing machine	Z		641	F	Waret-Live	4016
2017 Bailey pressure regulator	Z		811	F	German Farn	4016
2018 Soil Sterilizer	Z	7F 214	604	F	German Farn	4016
2017 Colorimeter-Electronic 20	Z	9912027H	320	F	German Farn	4016
2020 VSI Conductivity bridge	Z	10151	1,594	F	German Farn	4016
2021 Fisher Incubator SH2114	Z	10112230	1,594	F	German Farn	4016
2022 Labconco Mold model 111130	Z	44542	1,594	F	German Farn	4016
2023 Sterilizer	Z	Model 31M-6 1-85	1,594	F	German Farn	4016
2024 Barnstead Water Still	Z	8014117	1,594	F	German Farn	4016
2025 FE200 Mettler Balance	Z		1,270	F	German Farn	4016
2026 IEC Centrifuge	Z	2056177a	1,270	F	German Farn	4016
2027 Macco 401 Convection Oven	Z		1,270	F	German Farn	4016
2028 91L Microscope	Z	Model 91B 101H	1,270	F	German Farn	4016
2029 91L Microscope Model MV-107	Z		1,270	F	German Farn	4016
2030 microscope 1-6x	Z		1,270	F	German Farn	4016
2031 Gow Corp 66531-25 Water Bath	Z	2041-01	590	F	German Farn	4016
2032 Reciprocal shaking machine	Z	Model 374165	721	F	German Farn	4016
2033 Sand media filter	Z	Model 3416-1	4,475	F	Jarouca	4016
2034 Isep model 150M Shredder	Z		266	F	Jarouca	4016
2035 Electric irrigation system	Z		7,037	F	Jarouca	4016
2036 Solar pumping system	Z		7,154	F	Al-Janna	4016
2037 Microscope	Z	Model 11115-115	1,458	F	ADSP - Office	4016
2038 Microscope	Z	Model 11115-115	1,458	F	ADSP - Office	4016
2039 Microscope	Z	Model 11115-115	1,458	F	ADSP - Office	4016

 250,165

3001 5 1/4 Disk	C	108000	25,000	F	MAF	4016
3002 5 1/4 Memory work station	C	108007	4,050	F	MAF	4016
3003 5 1/4 Memory work station	C	108008	4,050	F	MAF	4016
3004 5 1/4 Memory work station	C	108009	2,875	F	MAF	4016
3005 5 1/4 Memory work station	C	108010	2,875	F	MAF	4016
3006 160 CFS Arab/lat printer	C	108017	7,875	F	MAF	4016
3007 170 CFS Arab/lat printer	C	108018	10,500	F	MAF	4016
3008 Dual floppy disk drives	C	108049	7,725	F	??	4016
3009 Dual floppy disk drives	C	108050	7,725	F	DLRC	4016
3010 Isolator inside computer	C		1,840	F	MAF	4016
3011 Isolator inside computer	C		1,840	F	MAF	4016
3012 Isolator inside computer	C		1,840	F	MAF	4016
3013 1 1/4 Memory 7 1/2 Disk	C	108044	26,250	F	MAF	4016
3014 Arabic/English keyboard	C		1,190	F	MAF	4016
3015 Arabic/English keyboard	C		1,190	F	MAF	4016
3016 Arabic/English keyboard	C		1,190	F	MAF	4016
3017 Arabic/English keyboard	C		1,190	F	MAF	4016
3018 Arabic/English keyboard	C		1,190	F	MAF	4016
3019 Arabic/English keyboard	C		1,190	F	MAF	4016
3020 Arabic/English keyboard	C		1,190	F	MAF	4016
3021 3 1/4-20P 3-tube Cassette	Z	108011	30,000	F	MAF	4016
3022 3 1/4-20P 3-tube Cassette	Z	108012	30,000	F	MAF	4016
3023 3 1/4-20P Betacam Player	Z	108013	9,500	F	MAF	4016
3024 3 1/4-20P Betacam Player	Z	108014	9,500	F	MAF	4016
3025 AC-500CE AC Power Adaptor	Z	108015	525	F	MAF	4016
3026 AC-500CE AC Power Adaptor	Z	108016	525	F	MAF	4016

2027 J13 (7 Canon Zood Lens	Z		57518	4,700	F	MAF	COFE
2028 J13 (7 Canon Zood Lens	Z		57791	4,700	F	MAF	COFE
2029 RM-81713 Lens Rev Cont Kit	Z		5100788	1,400	F	MAF	COFE
2030 RM-81713 Lens Rev Cont Kit	Z		5100788	1,400	F	MAF	COFE
2031 84R-8108 8 Inch Viewfinder	Z		10451	1,800	F	MAF	COFE
2032 84R-8108 8 Inch Viewfinder	Z		10434	1,800	F	MAF	COFE
2033 Batcher Tricod System	Z		251031	3,350	F	MAF	COFE
2034 Batcher Tricod System	Z		251075	3,350	F	MAF	COFE
2035 VRI-27 Transistor 1/4 Mic	Z		58018	950	F	MAF	COFE
2036 VRI-27 Transistor 1/4 Mic	Z		58151	950	F	MAF	COFE
2037 VRI-27 Receiver for Mic	Z		48071	1,820	F	MAF	COFE
2038 VRI-27 Receiver for Mic	Z		48080	1,820	F	MAF	COFE
2039 P.M-3021ME 11" Color Monitor	Z		5000788	800	F	MAF	COFE
2040 P.M-3021ME 11" Color Monitor	Z		5000788	800	F	MAF	COFE
2041 84W-10P Batcher Flavor	Z			17,800	F	MAF	COFE
2042 84U-20P Recorder/Flavor	Z			17,800	F	MAF	COFE
2043 VAS880P Videotape Recorder	Z		12065	5,800	F	MAF	COFE
2044 P.M-1071FDM 12 Inch Monitor	Z		2005078	1,150	F	MAF	COFE
2045 P.M-1071FDM 12 Inch Monitor	Z		2005078	1,150	F	MAF	COFE
2046 MAF-21 8 Channel Audio Mixer	Z			1,500	F	MAF	COFE
2047 84V-10P Spare Deep Kit	Z			1,400	F	MAF	COFE
2048 84V-10P Spare Deep Kit	Z			1,400	F	MAF	COFE
2049 84W-10P Spare Deep Kit	Z			2,000	F	MAF	COFE
2050 84U-20P Spare Deep Kit	Z			1,800	F	MAF	COFE
2051 Lighting Kit	Z			1,760	F	MAF	COFE
2052 84M Spare Kit	Z			2,000	F	MAF	COFE
2053 Uninterruptible Power Suppl.	Z			41,850	F	MAF	COFE
2054 Yamaha Center	O			7,000	F	128	1841
2055 Power Conditioner	O			950	F	ACSP rail1	COFE
2056 Power Conditioner	O			950	F	ACSP rail2	COFE
2057 Uninterruptible Power Suppl.	O			3,297	F	FOA	COFE
2058 Uninterruptible Power Suppl.	O			3,297	F	FOA	COFE
2059 Auto Computer	O		4,850	5,985	F	Warehouse	1878
2060 Meter Tank	Z			584	F	128	1841
2061 Elect Motor	Z			1014	F	128	1841
2062 Flow	Z			1007	F	128	1841
2063 Pipe	Z			1003	F	128	1841
2064 Mita Copier	O			1042	F	128	1841
2065 Video Camera	Z			1058	F	128	1841
2066 TV Jostiba	Z			1057	F	128	1841
2067 12M Typewriter	F			1054	F	128	1841
2068 12M Typewriter	F			1050	F	128	1841
2069 Video National	Z			1115	F	128	1841
2070 Toyota Landcruiser	V	2271	28005	15,750	F	128	1841
2071 Toyota Landcruiser	V	2272	27715	13,721	F	128	1841
2072 Cabinet	O			597	F	128	1841
2073 Gas Range w/bottle	O			648	F	128	1841
2074 Air Conditioner	Z			614	F	128	1841
2075 Danstnd Refrigerator	H			615	F	128	1841
2076 Motor Pover	Z			1,203	F	128	1841
2077	Z			594	F	128	1841
2078 Desk	O			610	F	ACSP rail	COFE
2079 Desk	O			610	F	ACSP rail	COFE
2080 Credenza	O			523	F	ACSP rail	COFE
2081 Credenza	O			523	F	ACSP rail	COFE
2082 Desk	O			614	F	ACSP rail2	COFE
2083 Credenza	O			523	F	ACSP rail3	COFE

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3084 Desk	0			614	F	ADSP ra3	COFE
3085 Credenza	0			523	F	ADSP ra4	COFE
3086 Desk	0			614	F	ADSP ra4	COFE
3087 IBM Typewriter	F			1,530	F	ADSP ra5	COFE
3089 IBM Arabic Typewriter	F			1,504	F	ADSP ra5	COFE
3087 Credenza	0			523	F	ADSP ra7	COFE
3090 Desk	0			614	F	ADSP ra7	COFE
3091 Desk	0			614	F	ADSP ra8	COFE
3092 Credenza	0			523	F	ADSP ra7	COFE
3093 Desk	0			771	F	ADSP ra10	COFE
3094 Credenza	0			523	F	ADSP ra11	COFE
3095 Desk	0			771	F	ADSP ra11	COFE
3096 Credenza	0			744	F	ADSP ra11	COFE
3097 Credenza	0			523	F	ADSP ra12	COFE
3098 Credenza	0			523	F	ADSP ra13	COFE
3097 Desk	0			771	F	ADSP ra13	COFE
3100 Desk	0			615	F	ADSP ra13	COFE
3101 Credenza	0			523	F	ADSP ra16	COFE
3102 Wallage Regulator	0			695	F	ADSP ra16	COFE
3103 Office Set	0			1,742	F	ADSP ra17	COFE
3104 Credenza	0			523	F	ADSP ra17	COFE
3105 Credenza	0			523	F	ADSP ra18	COFE
3105 Desk	0			615	F	ADSP ra18	COFE
3107 Credenza	0			523	F	ADSP ra18	COFE
3108 Desk	0			614	F	ADSP ra19	COFE
3109 L Desk	0			506	F	ADSP ra21	COFE
3110 Credenza	0			523	F	ADSP ra21	COFE
3111 Electric Typewriter	F			1,221	F	ADSP ra21	COFE
3112 Desk L shaped	0			646	F	ADSP ra22	COFE
3112 Desk L shaped	0			646	F	ADSP ra22	COFE
3114 Desk L shaped	0			646	F	ADSP ra23	COFE
3115 Desk L shaped	0			627	F	ADSP ra23	COFE
3116 Desk L shaped	0			627	F	ADSP ra27	COFE
3117 Credenza	0			523	F	ADSP ra22	COFE
3118 Conference Table	0			522	F	DLFC	COFE
3119 IBM Typewriter	F			1,530	F	ADSP ra27	COFE
3120 IBM Typewriter	F			1,530	F	ADSP ra27	COFE
3121 Copy Machine	0			10,053	F	ADSP ra25	COFE
3122 Copy Machine	0			10,053	F	Varecours	COFE
3123 Desk	0			771	F	ADSP ra27	COFE
3124 Desk	0			771	F	ADSP ra28	COFE
3125 Toyota Landcruiser	V	2078	25870	12,724	F	FOA	COFE
3126 Toyota Landcruiser	V	2225	27486	12,724	F	ADSP	COFE
3127 Toyota Landcruiser	V	2226	25870	12,724	F	ADSP	COFE
3128 Toyota Landcruiser	V	777	10571	12,167	F	ADSP	COFE
3129 Toyota Landcruiser	V	783	10701	12,167	F	ADSP	COFE
3130 Air Compressor	Z			1,522		AID	COFE
3131 Shelves	0			652		AID	COFE
3132 Shelves	0			649		AID	COFE
3133 Aluminium Partition	0			1,475	F	DLFC	COFE
3134 Office Set	0			2,439	F	FOA	COFE
3135 Video Set	Z			747		HITS	COFE
3136 Video Camera	Z			747		HITS	COFE
3137 House Furniture	H			3,616		House #1	COFE
3138 Toyota Landcruiser	V			12,724		KAF	COFE
3139 Power Conditioner	Z			3,381	F	MAF	COFE
3140 Stabiliser	Z			543	F	ADSP ra23	COFE

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2141 Stabilizer	Z		653	•	AGSP rd16	0098
2142 Hand FC and printer	C	WH9263	10,399	•	AGSP rd8	0098
2143 Hand FC and printer	C	417772	10,398	•	AGSP rd20	0098
2144 Hand FC and printer	C	417731	10,398	•	AGSP rd15	0098
2145 Hand FC and printer	C	WH9264	10,398	•	AGSP rd21	0098
2146 Hand FC and printer	C	416050	10,398	•	AGSP rd16	0098
2147 Hand FC and printer	C	417737	10,398	•	AGSP rd19	0098
2148 Refrigerator	H		1,214	•	Warehouse	0098
2149 Refrigerator	H		1,157		Warehouse	0098
2150 Refrigerator	H		1,157		Warehouse	0098
2151 Furniture (Frs India)	H		4,809		Warehouse	0098
2152 Carice	H		800	•	Warehouse	0098
2153 House Furniture	H		6,370		Apartments	0098
2154 Sofa & 2 Arm Chairs	H		1,370		Apartments	0098
2155 Bkling Sofa	H		1,370		Apartments	0098
2156 Double Bed	H		717		Apartments	0098
2157 Kitchen Cabinet	H		856		Apartments	0098
2158 Drexzma	O		744	•	AGSP rd22	0098
2159 Drexzma	O		744	•	AGSP rd22	0098
2160 Furniture (Frs India)	H		105,639		Apartments	0098
2161 Furniture (Frs India)	H		786		Apartments	0098
2162 M Motor	Z		3,219	•	Al-Inna	0173
2163 Water Pump	Z		11,232	•	Al-Inna	0173
2164 Cement Mixer	Z		2,650	•	Al-Inna	0173
2165 Diesel Tank	Z		795	•	Al-Inna	0173
2166 Generator	Z		563	•	Al-Inna	0173
2167 Tractor	Z		3,050	•	Al-Inna	0173
2168 Generator	Z		1,004		no	0173
2169 Diesel Tank	Z		1,000		Jaruba	0173
2170 Diesel Tank	Z		1,000		Jaruba	0173
2171 Diesel Tank	Z		1,431		Jaruba	0173
2172 Compressor	Z		1,436		Jaruba	0173
2173 Tractor	Z		3,050	•	Al-Inna	0173
2174 Tractor	Z		3,050		Jaruba	0173
2175 Plow	Z		1,347		Jaruba	0173
2176 Generator	Z		912		Jaruba	0173
2177 IBM Typewriter	F		645			0173
2178 Generator	Z		609		Jaruba	0173
2179 Sony Video Betamax	Z		992		Jaruba	0173
2180 Sharp TV Excites	Z		774	•	AGSP rd11	0173
2181 Jack	Z		733		Jaruba	0173
2182 Desk	O		525		Jaruba	0173
2183 Curtain	O		1,105		Jaruba	0173
2184 Black Board	O		569		Jaruba	0173
2185 Black Board	O		569	•	Al-Inna	0173
2186 Outdoor Refrigerator	H		1,215		Jaruba	0173
2187 Outdoor Refrigerator	H		1,151		Jaruba	0173
2188 Italian Refrigerator	H		500		Jaruba	0173
2189 Refrigerator	H		660		Jaruba	0173
2190 Deep Freezer	H		611		Jaruba	0173
2191 Deep Freezer	H		611		Jaruba	0173
2192 Cement Mixer	Z		2,671		Jaruba	0173
2193 Diesel Pump	Z		579		Jaruba	0173
2194 Aircooler	H		614		Jaruba	0173
2195 Aircooler	H		614		Jaruba	0173
2196 Aircooler	H		614		Jaruba	0173
2197 Compressor	Z		2,563	•	Al-Inna	0173

3199 Crapes	0		1,438	Jaruba	4173
3199 Crapes	0		1,104	Jaruba	4173
3200 HM Motor	2		9,219	Jaruba	4173
3201 Fiber Glass Tank	2		2,296	Jaruba	4173
3202 Motorized Scraper	2		522	* Al-Irba	4173
3203 440 Tank Pick Up	1	378	10,136	Jaruba	4173
3204 Toyota Landcruiser	1	501	13,713	* ADSP	4173
3205 Toyota Landcruiser	1	501	13,713	Saba	4173
3206 Jeep Truck	1	723	3,704	Jaruba	4173
3207 Water Cooler	0		506	00	4173
3208 Sign board	2		547	* Al-Irba	4173
3209 Video Camera	2		1,785	* ADSP (re.0)	4173
3210 Video Recorder	2		609	* ADSP (re.0)	4173
3211 Alcor Refrigerator	1		633	MNF	4173
3212 Alcor Refrigerator	1		633	MNF	4173
3213 Transformer 25 KVA	2		1,257	Robert's yard	4173
3214 Beta Movie	2		1,750	* ADSP	4173
3215 Airconditioner	2		3,423	* MNF	4173
3216 Four Greenhouses	2		19,202	DEMUR	4173
3217 Hand PC	0	MI2307	4,157	* FGA	FGA
3218 Hand PC	0	40F259	4,153	* FGA	FGA
3219 Manual Cooler	0		6,757	* FGA	FGA
3220 Dorton Power Pack	2	5195	2,134	* FGA	FGA
3221 National Video Camera	2	FEHC-1140	2,000	* FGA	FGA
3222 National Video Camera	2	FEHC-1100	2,000	* FGA	FGA
3223 Telephone System	0		1,290	* FGA	FGA
3224 TV Sony Set	0	231074	1,253	* FGA	FGA
3225 TV Sony Set	0	231126	1,253	* FGA	FGA
3226 Dorton Power Conditioner	2	0NE218	1,204	* FGA	FGA
3227 Printer	2		1,191		FGA
3228 Video National	2	5401-5404	912	* FGA	FGA
3229 Video National	2	0004-1004	912	* FGA	FGA
3230 Desk	0		640	* FGA	FGA
3231 Desk	0		631	* FGA	FGA
3232 Desk	0		631	* FGA	FGA
3233 Desk	0		631	* FGA	FGA
3234 Electronic Typewriter	1		561		FGA
3235 Desk	0		606	* FGA	FGA
3236 Desk	0		606	* FGA	FGA
3237 Desk	0		606	* FGA	FGA
3238 Desk	0		606	* FGA	FGA
3239 Desk	0		606	* FGA	FGA
3240 Battery Charger	2		535	* FGA	FGA

 322,134

Grand total

3,555,700
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**TRANSFER OF MATERIALS & EQUIPMENT FROM FOA PROJECT TO
THE FACULTY OF AGRICULTURE, SANA'A UNIVERSITY**

602-886-3214
US\$

Description	Quantity	Location	Unit Price
Z9397N The Klever Training Cow	1	Animal Science	3575.50 ✓
Portable ejaculator	1	Animal Science	895 ✓
Spare booster pump for MINIFLO Simplex water booster system, model #10-10705-130001-2551	1	Chemical Storage	883.12
Journal: Soils and Fertilizer Abstracts. Subscription: 1 year. Vol. 52: #6	1	Library	509.00
Liquid nitrogen freezer	1	Livestock Laboratory	542.5 ✓
Pregmatic 3 for ewes	1	Livestock Laboratory	546 ✓
Ovascan ovulation factor	1	Livestock Laboratory	1088 ✓
Turbine, complete assembly	1	Machinery Shelter	1250
Send plates for John Deere 71 Flex Plater with vegetable seed hopper (Items 87 105)	1	Machinery Shelter	1599.6 <i>دفعه المزرعة</i>
Flex planter for 2" to 2-1/2" sq. tool bar (2 row)	1	Machinery Shelter	1064 <i>دفعه المزرعة</i>
Guelph permeameter lot	1	Sells & Agricultural Mechanics	4000 <i>دفعه المزرعة</i>

Faculty of Agriculture Project:

[Signature]
Dr. Stanley Miller, TL FOA Project

Approved by USAID:

[Signature]
Dr. John Swanson, ADO/USAID

Received on behalf of FOA, Sana'a University:

[Signature]
Dr. Abdulla Al-Mujahed, Dean

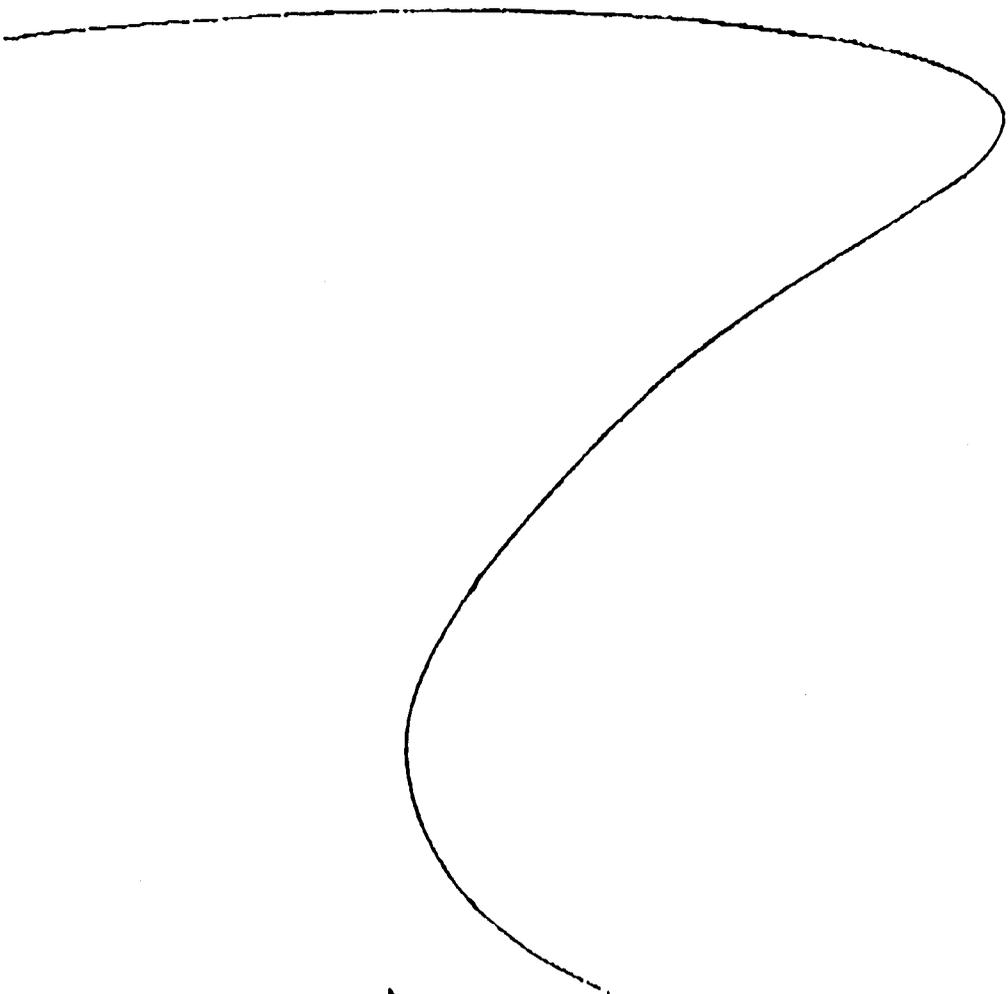
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3/11/80
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10/4/80
Date

**TRANSFER OF MATERIALS & EQUIPMENT FROM FOA PROJECT TO
THE FACULTY OF AGRICULTURE, SANA'A UNIVERSITY**

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Description	Quantity	Location	USA Unit Price
Sampling kit	1	Soils & Agricultural Mechanics	1475.00
Thermometer, infra-red	1	Soils & Agricultural Mechanics	1680

Arabic notes:
بجهاز
بجهاز



Faculty of Agriculture Project:

Stanley Meyer
Dr. Stanley Meyer, TI/FOA Delegate

2-10-90
Date

Approved by USAID:

John Swanson
Dr. John Swanson, ADO/USAID

3/13/90
Date

Received on behalf of FOA,
Sana'a University:

Abdulla Al-Mujahid
Dr. Abdulla Al-Mujahid/Dean

10/4/90
Date

**TRANSFER OF MATERIALS & EQUIPMENT FROM FOA PROJECT TO
THE FACULTY OF AGRICULTURE, SANA'A UNIVERSITY**

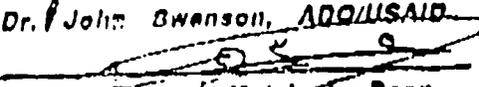
Description	Quantity	Location	US\$ Unit Price
Refrigerator, Labline, 14cu-ft, 240/60Hz,	1	Agronomy Laboratory	1311
Balance, top load, 400gm, Ohaus G4000-SO, .01gm	1	Agronomy Laboratory	663.85
Drying oven, Shel Lab 1350 F, forced convection, 220V/50Hz, ("Despatch")	1	Agronomy Laboratory	864.29
Refrigerator/freezer, Frigidaire, white 220V/50HZ, #FPCI523	1	Apt B-3, GF-2	699
Balance, Top load, 400gms, Ohaus-G400	1	Bee Laboratory	663.85
Refrigerator, Labline, 14cu ft, 240V/60Hz	1	Bee Laboratory	1311
Fan, inline centrifugal, V8	1	Classroom	792
Fan, inline centrifugal, V9	1	Classroom	792
Fan, inline centrifugal, V5	1	Classroom	1207
Fan, inline centrifugal, V6	1	Classroom	1063
Greenheck exhaust fan #LBP-10-3, V10	1	Classroom	1037

Faculty of Agriculture Project:

2-10-80


 Dr. Stanley Miller, TL/FOA Project Date 3/13/90


 Dr. John Swanson, ADG/USAID Date 10/16/90


 Dr. Abdulla Al-Mulhad, Dean Date 11

Approved by USAID:

Received on behalf of FOA,
Sana'a University:

**TRANSFER OF MATERIALS & EQUIPMENT FROM FOA PROJECT TO
THE FACULTY OF AGRICULTURE, SANA'A UNIVERSITY**

Description	Quantity	Location	US\$ Unit Price
Heater, solar water, 120 gallon, with element and 4' x 10' panel (Boxes 595-601	1	Classroom	935
Cold Room and Seed Room	1	Cold Room-Horticulture Lab	7957
Polaroid #MP-4 column #44-01 (Stand in box 606)	1	Computer Room	895
Computer IBM PC/XT, 6MHz system unit, 640K, 1.2 MB diskette, 20 Mb fixed disk,	1	Computer Room	1770
Overachiever Plus card, installed in IBM PC	1	Computer Room	595
Computer, IBM PC/XT, 6MHz system unit, 640K, 1.2 MB diskette, 20 Mb fixed disk,	1	Computer Room	1770
Hayes Smartmodem 4500 B, installed in IBM PC	1	Computer Room	545
Computer, Ast Premium 286 microcomputer with Hercules-type graphics card,	2	Computer Room	2140.88
Monitor, Princeton Graphics Ultrasync (640 x 480 EGA), 220v/50 hz	2	Computer Room	550

Faculty of Agriculture Project:

Approved by USAID:

Received on behalf of FOA, Sana'a University:

210-80

Dr. Janey Miller, TL/FOA Project Date: 3/11/90

Dr. John Swanson, ADO/USAID Date: 10/4/90

Dr. Abdulla Almujafer, Bush Date: 10/4/90

**TRANSFER OF MATERIALS & EQUIPMENT FROM FOA PROJECT TO
THE FACULTY OF AGRICULTURE, SANA'A UNIVERSITY**

Equipment	Quantity	Location	US\$ Unit Price	
Think Jet, JB-P, wide carriage. 240v/50hz	1	Computer Room	567.3	بنة الكمبيوتر (الازطاعة)
Topaz 84125-11, 1000	2	Computer Room	985	غير معروف
Fixed Disk Organizer	2	Computer Room	594	بنة الكمبيوتر
PSS/PC+	1	Computer Room	695	" "
Soft Mouse (mouse for above Microsoft card)	2	Computer Room	695	
Conditioner, TL1000 type, 1000VA 220v/50hz	2	Computer Room	9500	
Printer, Wang Winchester	1	Computer Room	2000	
Printer, Wang Model 620	1	Computer Room	500	
Printer, Wang Model 6016	1	Computer Room	500	
Printer, Wang Model ZR3090	1	Computer Room	500	
Printer, Crotan, No record of base	1	Computer Room	500	
Printer, Emunelec, No record of base	1	Computer Room	500	

Faculty of Agriculture Project:

Approved by USAID:

Approved on behalf of FOA, Sana'a University:

210-80

Dr. Stanley Miller, TL/FOA Project Date 3/13/90

Dr. John Simpson, ADO/USAID Date 10/4/90

Dr. Abdullah Al-Mujahed, Dean Date _____

AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Core Sub-project (279-0052.1)

Purpose: To improve the capacity of the MAWR to plan and implement a national agriculture development program supportive of private sector production and marketing.

Planned Outputs¹

A training unit established and operating on MAWR funding. Manpower assessment completed, in-service training provided to 10% of MAWR staff annually, 29 degree and advance degrees completed and 32 still in 8 training, 100 complete English training, and 75 staff for short-term overseas training complete.

One Agricultural Documentation and Learning Center completed and fully operated by Yemeni staff with 90% of items catalogued.

Actual Outputs

-Training unit established.
-Manpower assessments completed.
-In-service training being given to 10% of the staff annually.
-29 degree and advance degree training completed.
-33 still in training.
-100 completed YALI.
-98 staff sent for short-term training outside Yemen.

Center completed and functioning with over 50% items catalogued. Over 25,000 documents collected. 75% in English and 25% in Arabic.

Planned Purpose²

(End of Project Status)

Improve capacity of selected MAWR Directorates and Divisions to undertake planning, analysis, project identification, evaluation, and presentation.

Documentation and Learning Resource Center established and operating without external assistance.

Actual Accomplishments

The long- and short-term training, technical assistance, and equipment provided under the project has improved MAWRs abilities. Several studies and assessments have been completed.

Center established and operating without external assistance. Access to the Center has facilitated the performance of MAWR.

1.5

AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Planned and policy analysis units operational and producing identifiable MAWR economics and marketing surveys and studies, annual evaluation documents for each project, and the production of the Fourth-Five Year Plan.

Statistics and data collection unit supporting planning and policy analysis units in MAWR and producing updated long-life sampling frame, annual economic surveys, and publishing data for major services.

An on-going technical and administrative, logistic, and financial support to the program and all the sub-projects.

Units operational and annual plans have been produced on economics and marketing surveys. Annual evaluation documents have been produced for each project.

Statistics and data collection unit operational. Long-life sampling frame updated and published. Data for mayor services developed and published.

A firmly established system for assuring the continuing operation of an integrated program of assistance to the MAWR.

MAWR staff and financial resources largely allocated to servicing the private sector in the public interests.

Staff and budgets appear sufficient to sustain the activities.
A bilingual Yearbook of Yemen Agriculture is being published annually.

(5)

AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Agricultural Education and Development Sub-project (AEDS, 279-0052.2)

Purpose: To improve the efficiency of the secondary agricultural education system of the MOE to supply Yemen's agricultural sector, including both the MAWR and the private sector, with qualified manpower.

Planned Outputs

- Phase I - 30 participants trained as teachers.
- Phase II - Ten trained Yemeni staff in place at Ibb, 10 at Surdud, and 5 at Sana'a Vet.

Short courses and in-service training programs for farmers and extension workers, and special programs designed to reach women are developed and in operation at each Secondary Agricultural Institute (SAI).

Actual Outputs

15 completed B.S. degrees, 29 completed M.S. degrees, and one is working his Ph.D. However, not all have been assigned or remain at the SAI sites. 373 person months of short-term training has been provided.

An outreach farm program was developed and implemented.

Planned Purpose

(End of Project Status)

SAI enrollment in line with capacity of each school (Ibb, Surdud, & Sana'a).

SAIs staffed with well qualified Yemeni administrative support employees, supplied with curricula, Arabic textbooks, student handouts and training techniques.

Actual Accomplishments

Ibb and Surdud have both reach the level of 80 new enrolles per year.

-The trained staff are performing well as teachers. However, the staff and supplies are not being maintained.

-17 Yemenized textbooks and 132 instructional units were prepared and distributed in the institutes.

AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

One relevant curriculum at each SAI with identified practicums and outreach activities.

Competency based curriculum were developed, tested, revised, and approved at each school. However, because MOE has not provide official approval, not all parts of the curriculum is in use.

Facilities designed to provide students with educational programs relevant to Yemeni agricultural conditions.

A program for providing students with practical "hands-on" experience was developed and implemented. Due to lack of operation budgets the program is being cut back and class room training substituted for the "on-hands".

Education facilities adequately equipped and refurbished to deliver the curriculum at each SAI.

Facilities have been adequately equipped and refurbished, but due to low budgets and no spare parts much of the equipment is out of order and the SAIs are no longer fully operational.

Yemenized textbooks and other classroom materials prepared and in use at each SAI.

17 Yemenized textbooks and 132 instructional units prepared and distributed in the institutes.

A student recruitment, evaluation and placement system at each SAI with Ibb graduating 40/yr, Surdud 35/yr, and SVS 30/yr.

Recruitment and evaluation in place. SAIs not actively involved in placement or following up on graduates in their first and fifth year of employment.

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AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Staff recruitment, retention, training, and placement programs functioning in the MOE to replace staff and maintain the SAIs indefinitely.

MOE management personnel trained and operating an Secondary Agriculture Education (SAE) administrative unit in MOE, a staff performing evaluation system, evidence of delegation of authority, monthly status reports of the SAE.

Surveys and feasibility assessments complete to make secondary agricultural education available in all areas of the country.

One survey completed of a possible mid-level technical agricultural institute.

All functioning adequately at Surdud and SVS. However, Ibb has serious staff morale and dissension because of management and leadership problems.

Unit established late in the project, but its leadership is competent and committed. The staff numbers are adequate but only minimally qualified. Teaching monitoring, teacher evaluation, in-service training, and feedback systems are in place.

Completed, recommending that MOE not invest in a new SAI, but instead should tighten up the existing SAI programs.

Survey concluded that a Post Secondary Agricultural Institute was needed.

9/6/73

AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Poultry Extension and Training Sub-project (PETS, 279-0052.3)

Purpose: To establish and implement an improved extension and training program within the Livestock Division of the MAWR, ROYG, that will enhance egg and poultry meat production for private producers in the traditional sector and for small and medium scale producers.

Planned Outputs

69 extension agents, private poultry managers, and MAWR farm managers trained in 18 week courses.

10 MAWR personnel trained in U.S. at BS, MS, or Ph.D. levels.

Production of 300,000 16 week old pullets for traditional and small scale flocks.

Actual Outputs

70 persons attended 18 week training.

9 trained.

151,200 pullets produced during life of project.

Planned Purpose

(End of Project Status)

Establish a unit within MAWR capable of sustaining activities after the PACD.

Build capacity in the MAWR, Animal Resource Directorate to enhance egg and poultry meat production.

Actual Accomplishments

- Persons trained in MAWR to assist private producers in egg and poultry meat production.
- Three detailed economic studies for poultry production in Yemen were produced.
- Egg production went from 10 to 127 million during the life of the project.

Institutional development was only partially accomplished.

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AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM
Comparison of planned and actual outputs and accomplishments

1,070 traditional sector flocks (25 birds) to be established. 6,675 flocks established.

122 small scale producers (500 birds) to be established. 27 flocks established.

Hassabah facility to be upgraded and used as Sana'a Poultry Training Center. Center upgraded and used for 8, 18 week courses.

Construction of up to six pullet rearing houses at Bir al-Hussain. Four constructed.

Construction of three demonstration egg production units. Completed.

Detailed economic studies of poultry produce in Yemen. Three completed.

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AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Horticultural Development Support Program (HITS, 279-0052.4)

Purpose: To institutionalize within the MAWR an expanded capacity to support increased fruit production through extension, plant protection, and the delivery of disease-free stock of improved fruit varieties to the fruit sub-sector.

Planned Outputs

Establishment of two horticulture training and improvement stations.

Expand the plant protection department trained in plant protection methods.

Actual Outputs

Two stations were established at al-Irra and al-Jarouba and are operational, although operation budgets are restrictive and al-Jarouba has dramatically deteriorated. However, both stations have good germplasm repositories.

Planned Purpose

(End of Project Status)

Operational horticulture improvement stations providing 50,000 buds each to nurseries annually and developing improved varieties.

Functional MAWR plant protection program monitoring nurseries to ensure production and sales of insect/disease free trees to farmers.

Actual Accomplishments

Project efforts including importation of rootstock, plant materials, nursery development, and horticulture training. Yemen has gone from 12,000 budded trees per year to 80,000 per year. MAWR increased price of trees to encourage private sector.

Plant protection and quarantine program developed. Essential inspection facilities lacking at ports-of-entry, intercepted infected samples are being sent to Sana'a rather than being destroyed at entry port.

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AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Training of: 250 extension agents, 200 horticulture specialists, 10 horticulture technicians, five agricultural inspectors, and 10 nurserymen.

-32 in-country training programs implemented covering 150 persons per year including women extension agents.
-Five persons per year have had U.S. or third country short-term training.
-Five staff to USA for advance degrees.
-In total over 700 individuals received training.

Functional extension program servicing farmers for expanding fruit production.

The MAWR extension services lacks a suitable extension methodology.
HITS has identified 3 apple, 9 peach, 3 nectarine, and 2 plum varieties that are now being recommended to farmers.
60 pamphlets and video tapes produced.

Implement three programs that will provide horticulture information to farmers, nurserymen, and private horticulture input suppliers.

Increased sales of nursery stock to farmers.

ROYG producing all its own fruit seedlings and selling 80,000 budded trees per year.

Develop improved fruit varieties in insect/disease free condition.

Fruit plant materials being distributed.

Increased awareness and understanding of Integrated Pest Management (IPM) in the General Directorate for Plant Protection.

Implement 10 farmer demonstration program and workshops.

36 demonstration plots developed.

Four private sector nurseries established with the assistance of MAWR.

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AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Faculty of Agriculture Sub-project (FOA, 279-052.5)

Purpose: To support the establishment within the University of Sana'a, Yemen's first Faculty of Agriculture that is responsive to private and public sector development, and has appropriate linkage to the agriculture sector's production and institutional structure.

Planned Outputs

Establish an administrative structure which can accommodate projected growth in the FOA.

31 trained Yemeni faculty capable of instructing at the B.S. level, conducting research, and assisting other institutions in extension.

Development of one co-educational curriculum.

Actual Outputs

Not accomplished.

15 participants sent for training, four have graduated and taken up teaching posts. Yemeni professors have taken over as heads of all departments.

Competency based curriculum was developed. Course planning outlines were developed for five subject areas.

Planned Purpose

(End of Project Status)

An operational indigenous FOA engaged in teaching and research, and assisting MAWR extension activities.

FOA established capability to produce 120 graduates per year and a total of 480 graduated during the life of the project.

On-going collaboration between the FOA, MAWR, MOE, private agencies, and agricultural producers on: research, extension, curriculum development, and in-service training.

Actual Accomplishments

Capacity has reached 150 per year.
218 graduates during 1988-91.

AGRICULTURAL DEVELOPMENT SUPPORT PROGRAM

Comparison of planned and actual outputs and accomplishments

Establishment of one agricultural sciences library.

Established, but only a few current books and periodicals available.

A productive and on-going relationship between the FOA and U.S. Land-Grant Universities.

Interrupted by the Gulf crisis.

Establishment of seven agricultural sciences laboratories.

Operational instructional farm that is integrated into the curriculum of the FOA and is providing students practical experiences.

23 hectare Instructional Farm established and used for practical studies.

Graduating 120 B.S. students per year.

Target has been reached.

Conducting two in-service training courses per year for professional agriculturalists in the private and public sector.

Faculty exchanges, seminars, and other evidence of relationships developed with the U.S. Land-Grant University Faculties of Agriculture.

1. Planned outputs taken from the individual Sub-Project Paper Logical Framework. For CORE II, the updated version was used.
2. From the Project Paper Logical Framework of each sub-project.
3. Revision from Grant Agreement 1983 used.

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ACTIVE PARTICIPANTS UNDER
279 0052
AGRICULTURE DEVELOPMENT SUPPORT PROGRAM

PARTICIPANT'S NAME	DEGREE	FIELD	INSTITUTION	PIO/P 279 0052 1	AMOUNT COMMITTED	FUNDED THROUGH	ESTIMATED DATE OF COMPLETION	FUNDS NEEDED FOR EXTENSION	FUNDS NEEDED FOR RESEARCH	SUBTOTAL FOR EACH PARTICIPANT ESTIMATED
Al-Abbari, Abdulla W	PHD	Poultry	Oregon State	00041 (FOA)	40,344	7/92	4/92	-	-	-
Ghaleb, Abdu Jalil	PHD	Food Science	OSU	00040 (FOA)	61,734	2/93	7/93	11,090	6,100	17,190
Al-Hawshabi, Manour	PHD	Extension Education	Michigan State	00038 (FOA)	51,055	9/92	9/92	-	5,660	5,600
Al-Zdreky, Kageb S.	PHD	Food Science	OSU	00037 (FOA)	45,520	6/92	12/92	13,885	3,000	16,885
Zeywar, Nadem	PHD	Soil/Water Science	University of Arizona	00045 (FOA)	42,710	6/92	6/92	-	-	-
Al-Shorepy, Saleh	PHD	Animal Science		00039 (FOA)	94,367	6/94	3/95	29,200	5,000	34,200
Al-Mikhlaifi, H.	PHD	Food Science	OSU	00043 (FOA)	84,785	10/93	3/94	11,000	5,000	16,000
Al-Suneidar, Moh'd	MS	Civil Engineering	Colorado State Univ.	00066 (CORE)	38,577	2/92	-	-	-	-
Al-Hazmi, Marwa	PHD	Culture	Cornell Univ.	00046 (CORE)	137,580	11/95	11/95	-	5,000	5,000
Al-Wafan, Mohammed	PHD	Ag. Economics	Missippi State Univ.	00084 (CORE)	105,354	12/95	12/95	-	5,428	5,428
Al-Mamari, M	PHD		OK. State University	00044 (FOA)	64,170	11/93	-	-	5,000	5,000
Al-Marwani, A.K.	MS	Ag. Economics	Tuskegee	90170 (CORE)	50,000	8/93	8/93	-	-	-
Al-Faki, Moh'd	MS	Agr. Mech.	Kansas State	00083 (FOA)	60,000	6/93	6/93	-	-	-

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ACTIVE PARTICIPANTS UNDER
279-0052
AGRICULTURE DEVELOPMENT SUPPORT PROGRAM

PARTICIPANT'S NAME	DEGREE	FIELD	INSTITUTION	PIO/P 279-0052-1	AMOUNT COMMITTED	FUNDED THROUGH	ESTIMATED DATE OF COMPLETION	FUNDS NEEDED FOR EXTENSION	FUNDS NEEDED FOR RESEARCH	SUBTOTAL FOR EACH PARTICIPANT ESTIMATED
Ismail, A.H.	Ph.D.	Agric. Educ.	Ohio State	00082 (CORE)	42,000	9/92	9/92	-	-	-
Al-Jonaid, A.K.	M.S.	Computer	Worcester	80178 (CORE)	73,920	8/93	8/93	-	-	-
Noman, Mustafa	Ph.D.	Plant Protec- tion	Alexandria Univ./Egypt	90020 (CORE)	42,500	8/92	1/95	39,000	-	39,000
Al-Bah, Sadek	BS	Civil Engineering	Univ./New York	00051	51,561	3/92	12/92	10,000	-	10,000
Al-Numair, Ahmed	EE	Agr. Econ. Omnib.	Oregon State Univ.	00062	66,245	6/93	12/93	12,000	-	12,000
Abdul-Bari, Mohamed	BS	Agr. Eng.	New Mexico State Univ.	90150	103,563	12/94	12/94	-	-	-
Al-Sham, Amin	BS	Agr. Business	Colorado State Univ.	00065	57,920	12/92	12/92	11,136	-	11,136
Kahdri, Jameel	BS	Soil & Water Science	Univ. of	00070	68,889	6/93	11/93	12,000	-	12,000
Al-Khadra, Tarek	BS	Agr. Economics	New Mexico State Univ.	00053	103,545	12/94	12/94	-	-	-
Al-Sakaf, Jawid	BS	Agr. Eng.	Univ. of Arizona	00064	42,963	6/91	5/92	-	-	-

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ACTIVE PARTICIPANTS UNDER
279-0052
AGRICULTURE DEVELOPMENT SUPPORT PROGRAM

PARTICIPANT'S NAME	DEGREE	FIELD	INSTITUTION	PIO/P 279-0052-1	AMOUNT COMMITTED	FUNDED THROUGH	ESTIMATED DATE OF COMPLETION	FUNDS NEEDED FOR EXTENSION	FUNDS NEEDED FOR RESEARCH	SUBTOTAL FOR EACH PARTICIPANT ESTIMATED
Zabara, Amin	BS	Agr. Business	Univ. of Tampa	90143	48,502	8/92	3/92	-	-	-
Ali, Amal Mohammed	BS	Agr. Eng.	Tennessee State Univ.	00068	10,388	6/93	12/93	12,900	-	12,000
Anam, Ahmed Anwar	BS	Agronomy	Utah State University	00069	70,388	6/93	8/93	5,000	-	5,000
Taleb, Arif	BS	Civil Eng.	Tennessee State Univ.	90140	65,500	6/93	12/93	14,000	-	14,000
Saeed, Mohammed	BS	Civil Eng.	Univ. of Tennessee	00074	76,614	10/93	4/94	12,000	-	12,000
Abdultaleb, Zaid	BS	Civil Eng.	Univ. of Tennessee	90142	76,614	10/93	4/94	10,000	-	10,000
Al-Hadi, Mohammed	BS	Agr. Economics	Oregon State University	00010	33,066	6/92	12/92	21,000	-	11,000
Al-Akwa, Bakar	BS	Economics Agr. Business	Colorado State Univ.	90134	30,000	12/91	3/92	5,000	-	5,000
Sabrah, Abdul-Salam	BS	Irrigation Engineering	LSU	70217	101,440	3/96	9/96	16,000	-	16,000
Al-Akwa, Jamal	BS	Civil Eng.	Portland State Univ.	90155	76,694	10/93	3/94	10,754	-	10,754

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ACTIVE PARTICIPANTS UNDER
279-0052
AGRICULTURE DEVELOPMENT SUPPORT PROGRAM

PARTICIPANT'S NAME	DEGREE	FIELD	INSTITUTION	PIO/P 279-0052-1	AMOUNT COMMITTED	FUNDED THROUGH	ESTIMATED DATE OF COMPLETION	FUNDS NEEDED FOR EXTENSION	FUNDS NEEDED FOR RESEARCH	SUBTOTAL FOR EACH PARTICIPANT ESTIMATED
Al-Aulaqi, Anwar	BS	Civil Eng.	Colorado	00052	70,862	6/93	12/93	12,000	-	12,000
Akhan, Mohammed	BS	Agr. Science Horticulture	California Polytechnic	90153	48,700	6/92	6/92	-	-	-
Al-Dahhan, Moneer	BS	Agr. Ural Engineering	University of Arizona	00049	52,285	6/92	12/93	12,000	-	12,000
Rajeh, Amin	BS	Agr. Economics	Colorado State Univ.	00073	47,091	6/92	12/93	12,000	-	12,000
Al-Khalid, Mohammed	BS	Agr. Science Horticulture	Cal. poly. Pomona	00054	46,549	6/92	12/93	12,000	-	12,000
Al-Maqdaj, Kamal	BS	Agr. Economics Business	Colorado State Univ.	00058	47,083	6/92	12/92	12,000	-	12,000
Al-Sabry, Mohammed	LS	Agr. Economics	Univ. of Arizona	00060	83,572	12/93	6/94	10,000	-	10,000
Al-Kubati, Jamila	BS	Library Science	Murray State University	00055	66,170	3/93	9/93	13,200	-	13,200
Al-Zuberi, Sami	BS	Civil Eng.	Univ. of Tennessee	00067	76,601	10/93	10/93	-	-	-
Al-Arifi, Hajid	BS	Civil Eng.	Tennessee State Univ.	00048	70,308	6/93	12/93	12,000	-	12,000

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ATTACHMENT 5

ACTIVE PARTICIPANTS UNDER
279-0052
AGRICULTURE DEVELOPMENT SUPPORT PROGRAM

PARTICIPANT'S NAME	DEGREE	FIELD	INSTITUTION	PIO/# 279-0052-1	AMOUNT COMMITTED	FUNDED THROUGH	ESTIMATED DATE OF COMPLETION	FUNDS NEEDED FOR EXTENSION	FUNDS NEEDED FOR RESEARCH	SUBTOTAL FOR EACH PARTICIPANT ESTIMATED
Al Masyabi, Walid	BS	Computer Science	University of Central Arkansas	70228	108,500	6/95	12/95	16,000	-	16,000
Abdulfatah, al-Murisi	BS	Computer Science	University of Detroit	10060	51,490	5/92	5/92	-	-	

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