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PD-ABK-107



CONSTRUCTION MANAGEMENT CONSULTING CONTRACT

In Support of Telecommunications IV

USAID Contract Number
263-0177-C-00-2216-00

Quarterly Report No. 7

2nd Quarter, 1994

Overseas Bechtel, Incorporated - Job 22083
and its subcontractor Teleconsult, Inc.
World Trade Center, 18th Floor
Cairo, Baulac, Egypt



22083-S112-USAID-219

Overseas Bechtel, Incorporated

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Eng. Reem Gohar
Project Officer
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Cairo Center
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August 14, 1994

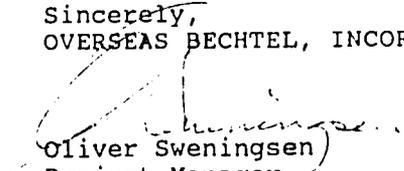
Dear Eng. Gohar,

**USAID CMC Contract No. 263-0177-C-00-2216-00
Quarterly Report No. 7**

This is Quarterly Report No. 7 for the Telecoms IV Expansion Project. Progress is summarized for the CMC Services Contract and host country contracts for Digital Switching Systems (DSS) and Outside Plant (OSP).

Overall the Project is estimated to be 77% complete; the original DSS contract scope has been provisionally accepted; and the OSP Contract is 33% complete, and on schedule. An amendment to add 13,000 lines in Giza is being negotiated with ATTI. Agreement was reached by ARENTO and ATTI on Giza network integration scope, and an amendment is being processed.

Sincerely,
OVERSEAS BECHTEL, INCORPORATED


Oliver Sweningsen
Project Manager

OS/ar

Distribution:

USAID Contracting Officer - 1 copy
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I EXECUTIVE SUMMARY

Summary Description of Project

The United States Agency for International Development (USAID) is assisting the Government of Egypt with the expansion of the Cairo telecommunications network under USAID Project No. 263-0177, Telecommunications IV.

Overseas Bechtel, Incorporated (OBI or Bechtel) is contracted with USAID-Egypt to provide construction management and consulting services to the Arab Republic of Egypt National Telecommunications Organization (ARENTO). Bechtel and its subcontractor, Teleconsult, will provide technical advice, support and assistance to ARENTO in the administration of two turnkey contracts that replace and expand central office switching equipment with Digital Switching Systems (DSS), add a Centralized Operations and Management (COM) system and expand the Outside Plant (OSP).

This phase of Telecommunications IV includes:

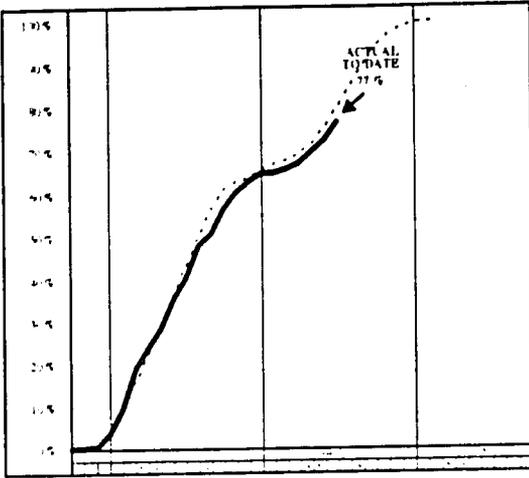
- Four new 20,000 line AT&T #5ESS digital switching systems located in existing ARENTO central office facilities at the Ramsis, Opera, Pyramids and Giza exchanges.
- A centralized operations and maintenance system to monitor and control the network switching nodes.
- Outside plant upgrades at the Heliopolis, Giza and Auto exchange areas.
- Major additions for COM System commissioning and 13,000 line #5ESS upgrade at Giza.

Executive Summary Schedule

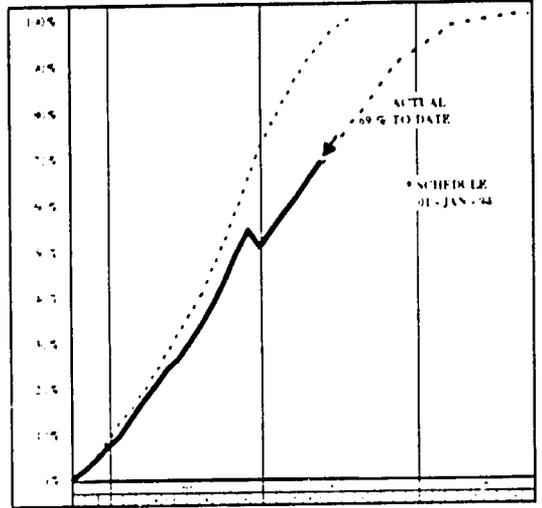
Activity	1992		1993				1994				1995	
	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	
CMC Services Contract	Funding					Original Completion				MOD.2 Completion		
DSS Award	23 Months Level of Effort					8 Months Est.						
Digital Switching Contract (Including COM System)	Provisional Acceptance O-G R-P COM											
Outside Plant Contract	OSP Award					Provisional Acceptance A H G						

II EXECUTIVE SUMMARY

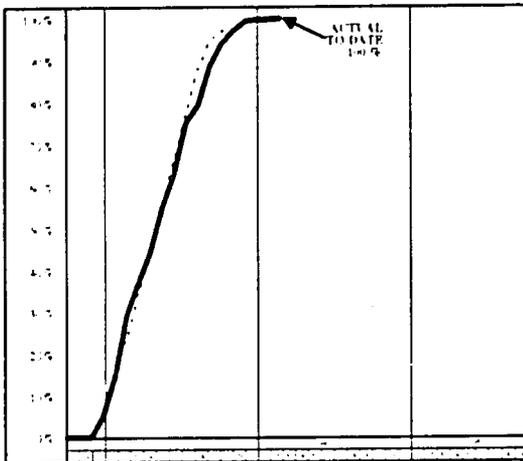
Summary Curves



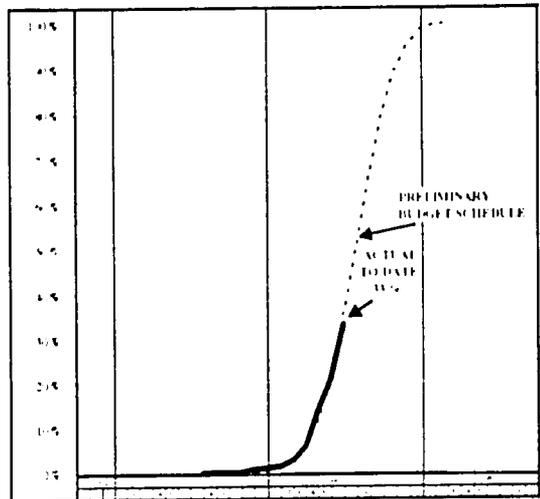
Total Project



Consulting Services



Digital Switching



Outside Plant

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I EXECUTIVE SUMMARY

Progress Highlights

GENERAL

Bechtel and its subcontractor Teleconsult began work on the Construction Management Consulting Contract (CMC) on October 1, 1992. Under its contract with USAID, Bechtel works with ARENTO, as their agent, to administer two host country construction contracts prepared and awarded by ARENTO for the digital switching systems and the outside plant networks funded under the USAID Telecommunications IV Project (263-0177) grant. The tasks performed under this contract are scheduled to be completed by May 31, 1995, with a level of effort staffing.

WORK STATUS

Consulting Services were estimated to be 68.8% complete against the revised plan which includes Modifications 1 & 2. The staffing plan is being reviewed as part of the approval process for Modification No. 2. Bechtel and Teleconsult had a total equivalent staff of five Expatriates and eighteen Nationals.

- The CMC Staffing Plan reflects a May 31, 1995 completion date as proposed in Mods 1 & 2. The CMC effort is following the budget. Expatriates are 75.4% and Nationals are 73.3% of current forecasts.
- The revised budget for the ATTI DSS Contract (ARENTO Contract 10/92/21) is \$ 24,683,250 and LE 1,942,083. Payment vouchers that total \$ 18,233,655 and LE 1,516,828 have been processed to date. Amendment No. 4 was prepared to conform payment quantities to "as-built" conditions. A waiver was requested for materials not conforming to source and origin requirements. ARENTO/Consultant are evaluating a proposal to add 13,000 lines of switching in Giza during early 1995.
- The ATTI OSP Contract (ARENTO Contract 7/92/30) was funded on July 21, 1993 with a budget of \$10,000,000 and LE 10,528,854. Payment vouchers that total \$1,590,458 and L.E. 1,984,284 have been processed to date. Preparation of Contract Amendment No. 2 to include new unit prices and Amendment No. 3 to clarify the scope of work at Giza have been signed.

DSS CONTRACT

- The #5ESS switches at the four exchanges are under ATTI maintenance. No maintenance problems were recorded.
- ARENTO has requested ATTI to submit a proposal for a 13,000 line switch expansion at Giza which was approved by the High Purchase Committee in July.

I EXECUTIVE SUMMARY

Progress Highlights

COM SYSTEM

- The COM System Provisional Acceptance Certificate was signed with an effective date of April 14, 1994. The DSS field staff was demobilized in April after providing commissioning assistance.
- A letter was issued on data collection requirements for the Network Evaluation Study. ATTI was provided all traffic data collected during the commissioning period.

OSP CONTRACT

- Auto and Giza implementation plans for OSP work were approved in late June. The approved plans and May schedule forecast for Heliopolis are the basis for this report. The OSP work is on schedule, however, there have been a number of unexplained deviations from approved plans and schedules.
- ATTI has requested that network, evaluation, rehabilitation and integration activities be performed under a separate contract with ARENTO. This clarification was approved by Contract Amendment. The schedule conflict with Giza Provisional Acceptance has been mitigated.
- ATTI submittals of materials documentation, certifications and factory test results are improving. Overdue documentation is being received by ARENTO/Consultant. OSP invoices have been examined with respect to contract requirements, and ARENTO/Consultant findings indicate variances in quantities and documentation. OBI and ATTI are reviewing the invoiced quantities with current BCQs.
- Field supervisory coverage is light. Reports indicate the subcontractors have been frequently allowed to work without adequate ATTI supervision, and site decisions are being left to subcontractors. ARENTO/Consultant are working with ATTI management on this issue.
- ATTI's Quality/Testing Plan for OSP work is incomplete. Quality and Safety problems are a continuing management issue at Auto and Giza exchanges. A performance warning was issued in Auto by ARENTO on June 26, 1994. The Quality/Safety Organization is under review.

I EXECUTIVE SUMMARY

Progress Highlights

- ATTI has indicated that permits were a problem at Heliopolis and Giza. ARENTO and ATTI, working together to coordinate permit applications as required by contract, seven permits were obtained in Giza and three in Heliopolis. Nine permits were pending at quarter end in Giza and four in Heliopolis. In Alexandria, all permits have been issued, however, the Governorate imposed special conditions in June.

II WORK STATUS

DSS Contract

GENERAL

Contract No. 10/92/21 between ARENTO and AT&T International, Inc. (ATTI) was signed on October 15, 1992 and became effective on November 3, 1992. The contract requires ATTI to design, furnish, install and maintain AT&T #5ESS digital electronic central office switches on a turnkey basis. The Centralized Operations and Maintenance (COM) System effective date was May 24, 1993.

FINANCIAL:

- Amendment No. 1 for miscellaneous contract adjustments and Amendment No. 2 for the COM System with costs of \$3,925,014 and LE 419,598 were processed. The revised budget for the DSS Contract scope managed by Bechtel is \$24,683,250 and LE 1,942,083. See Exhibit 3.1, DSS Cost and Commitment Report.
- This period, \$ 343,109 and LE 11,695 were expended; to date totals are \$18,233,656 and LE 1,516,828. (See Exhibit 4.1)

SCHEDULE:

- The #5ESS four exchanges are under ATTI maintenance with no problems observed.
- ATTI was requested to prepare a proposal for a 13,000 line switch expansion at Giza.
- A final acceptance M.O.U. was issued to summarize responsibilities.
- COM System Provisional Acceptance was signed with an effective date of April 14, 1994.

II WORK STATUS

OSP Contract

GENERAL

Contract No. 7/92/30 between ARENTO and AT&T International, Inc. was signed on July 15, 1993 and became effective on July 21, 1993. The schedule duration is 600 days.

The Outside Plant Contract is for 23,700 lines in Heliopolis, 18,600 lines in Auto, and 30,900 lines in Giza.

FINANCIAL:

- The total contract value is \$10,000,000 financed by USAID and LE 10,528,854 financed by ARENTO. See Exhibit 3.2, OSP Cost and Commitment Report.
- Payment vouchers that total \$1,590,458 and L.E. 1,984,284 have been processed to date. The OSP Cash Flow is shown in Exhibit 4.2.

SCHEDULE:

- The OSP Contract is 33% complete: Heliopolis 50%; Auto 45%; Giza 12%.
- Auto and Giza implementation plans were submitted in May and approved in June.
- The documentation plan was approved on May 29, 1994. Quality/Testing plan is still in the improvement process. Selection of testing equipment and preparation of testing schedule may impact acceptance testing.
- Giza Amended System Plan Drawings were approved in late June.
- A detailed work plan and execution schedule for engineering activities for Giza OSP integration and rehabilitation was requested from ATTI.

III PROGRESS STATISTICS

Exhibit 1.0, OSP Progress Curve (future)

Exhibit 2.0, OSP Contract Manpower Histogram (future)

Exhibit 3.1, DSS Cost & Commitment Report

Exhibit 3.2, OSP Cost & Commitment Report

Exhibit 4.1, DSS Quarterly Cash Flow

Exhibit 4.2, OSP Quarterly Cash Flow

Exhibit 5.1, DSS Change Order Summary

Exhibit 5.2, OSP Change Order Summary

CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
COST AND COMMITMENT REPORT (Exhibit 3.1)
D.S.S. CONTRACT
 June, 1994

III
PROGRESS STATISTICS

Item No.	General Description of Supplies and / or Services	Budget (Contractual Obligation)		Cost			
				This Period		Total ITD	
		U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds
1.	GIZA EXCHANGE						
1.1	Switching Equipment - 24,000 Lines	\$3,485,462	74,000	\$0	0	\$2,775,986	74,000
1.2	MDF	\$237,048	0	\$0	0	\$189,638	0
1.3	Power System	\$111,791	0	\$0	0	\$89,433	0
1.4	Standby Power System	\$289,639	24,900	\$0	0	\$231,711	24,900
1.5	HVAC System	\$78,930	0	\$0	0	\$63,144	4,461
1.6	Fire Detection System	\$0	22,304	\$0	0	\$0	17,843
1.7	Security System	\$28,550	0	\$0	0	\$22,840	0
1.8	Raised Floor and Partitions	Included	0	\$0	0	\$0	0
1.9	Documentation / Documentation Office	\$6,990	3,000	\$0	0	\$1,398	3,000
1.10	Insurance and Transportation to Site	Included	0	\$0	0	\$0	0
1.11	Installation and Testing for Cutover and Provisional Acceptance	\$472,446	280,961	\$0	0	\$377,957	280,962
1.12	Spare Parts and Consumables - CIF	\$338,627	0	\$0	0	\$270,902	0
1.13	Tools and Equipment - CIF	\$10,995	0	\$0	0	\$9,072	0
1.14	Insurance and Transportation	Included	0	\$0	0	\$0	0
1.15	Maintenance Personnel	No Charge	0	\$0	0	\$0	0
1.16	Testing	\$6,689	0	\$0	0	\$0	0
1.	GIZA EXCHANGE Total	\$5,067,167	405,165	\$0	0	\$4,032,080	405,166
2.	RAMSIS EXCHANGE						
2.1	Switching Equipment - 20,000 Lines	\$3,428,956	78,000	\$0	0	\$2,730,781	78,000
2.2	MDF	\$54,628	0	\$0	0	\$43,702	0
2.3	Power System	\$102,620	0	\$0	0	\$82,096	0
2.4	Standby Power System	\$334,500	26,700	\$0	0	\$267,600	26,700
2.5	HVAC System	\$53,218	0	\$0	0	\$42,574	0
2.6	Fire Detection System	\$0	22,304	\$0	0	\$0	22,304
2.7	Security System	\$28,550	0	\$0	0	\$22,840	0
2.8	Raised Floor and Partitions	Included	0	\$0	0	\$0	0
2.9	Documentation / Documentation Office	\$6,990	3,000	\$0	0	\$1,398	3,000
2.10	Insurance and Transportation to Site	Included	0	\$0	0	\$0	0
2.11	Installation and Testing for Cutover and Provisional Acceptance	\$440,533	122,268	\$0	0	\$352,426	122,268
2.12	Spare Parts and Consumables - CIF	\$343,023	0	\$0	0	\$277,630	0
2.13	Tools and Equipment - CIF	\$10,995	0	\$0	0	\$9,072	0
2.14	Insurance and Transportation	Included	0	\$0	0	\$0	0
2.15	Maintenance Personnel	No Charge	0	\$0	0	\$0	0
2.16	Testing	\$6,689	0	\$0	0	\$0	0
2.	RAMSIS EXCHANGE Total	\$4,810,702	252,272	\$0	0	\$3,830,120	252,272

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CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
COST AND COMMITMENT REPORT (Exhibit 3.1 cont'd)
D.S.S. CONTRACT
 June, 1994

III
PROGRESS STATISTICS

Item No.	General Description of Supplies and / or Services	Budget (Contractual Obligation)		Cost			
				This Period		Total ITD	
		U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds
3.	OPERA EXCHANGE						
3.1	Switching Equipment - 20,000 Lines	\$3,428,956	78,000	\$0	0	\$2,739,496	78,000
3.2	MDF	\$54,628	0	\$0	0	\$39,726	0
3.3	Power System	\$101,721	0	\$0	0	\$81,377	0
3.4	Standby Power System	\$456,100	31,000	\$0	0	\$364,880	31,000
3.5	HVAC System	\$53,218	0	\$0	0	\$42,574	0
3.6	Fire Detection System	\$0	22,304	\$0	0	\$0	22,304
3.7	Security System	\$28,550	0	\$0	0	\$22,840	0
3.8	Raised Floor and Partitions	Included	0	\$0	0	\$0	0
3.9	Documentation / Documentation Office	\$6,990	3,000	\$0	0	\$1,398	3,000
3.10	Insurance and Transportation to Site	Included	0	\$0	0	\$0	0
3.11	Installation and Testing for Cutover and Provisional Acceptance	\$457,078	122,268	\$0	0	\$365,662	122,268
3.12	Spare Parts and Consumables - CIF	\$344,510	0	\$0	0	\$271,916	0
3.13	Tools and Equipment - CIF	\$10,995	0	\$0	0	\$8,796	0
3.14	Insurance and Transportation	Included	0	\$0	0	\$0	0
3.15	Maintenance Personnel	No Charge	0	\$0	0	\$0	0
3.16	Testing	\$6,689	0	\$0	0	\$0	0
3.	OPERA EXCHANGE Total	\$4,949,435	256,572	\$0	0	\$3,938,664	256,572
4.	PYRAMID EXCHANGE						
4.1	Switching Equipment - 24,000 Lines plus RSM Host Equipment	\$3,888,228	78,400	\$0	0	\$3,110,582	78,400
4.2	MDF	\$279,700	0	\$0	0	\$223,760	0
4.3	Power System	\$134,927	0	\$0	0	\$107,942	0
4.4	Standby Power System	\$289,639	24,900	\$0	0	\$57,928	24,900
4.5	HVAC System	\$53,218	0	\$0	0	\$42,574	0
4.6	Fire Detection System	\$0	22,304	\$0	0	\$0	22,304
4.7	Security System	\$28,550	0	\$0	0	\$22,840	0
4.8	Raised Floor and Partitions	Included	0	\$0	0	\$0	0
4.9	Documentation / Documentation Office	\$6,990	3,000	\$0	0	\$1,398	3,000
4.10	Insurance and Transportation to Site	Included	0	\$0	0	\$0	0
4.11	Installation and Testing for Cutover and Provisional Acceptance	\$515,976	323,466	\$0	0	\$412,781	323,466
4.12	Spare Parts and Consumables - CIF	\$382,167	0	\$0	0	\$284,679	0
4.13	Tools and Equipment - CIF	\$10,846	0	\$0	0	\$8,677	0
4.14	Insurance and Transportation	Included	0	\$0	0	\$0	0
4.15	Maintenance Personnel	No Charge	0	\$0	0	\$0	0
4.16	Testing	\$6,689	0	\$0	0	\$0	0
4.	PYRAMID EXCHANGE Total	\$5,596,930	452,070	\$0	0	\$4,273,161	452,070

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CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
COST AND COMMITMENT REPORT (Exhibit 3.1 cont'd)
D.S.S. CONTRACT
 June, 1994

Item No.	General Description of Supplies and / or Services	Budget (Contractual Obligation)		Cost			
		U.S. Dollars	Egyptian Pounds	This Period		Total ITD	
				U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds
5.	COM SYSTEM						
5.1	Software Right-to-use Licenses	\$1,945,126	0	\$0	0	\$1,246,580	0
5.2	MFOS, TFS and SDAD Equipment	\$797,527	0	\$0	0	\$159,505	0
5.3	DATAKIT Equipment	\$442,640	0	\$0	0	\$422,312	0
5.4	Modems for basic MFOS	\$89,917	0	\$0	0	\$17,983	0
5.5	UPS	\$211,146	0	\$0	0	\$42,229	0
5.6	Standby Power System	\$0	0	\$0	0	\$0	0
5.7	HVAC Equipment	\$53,377	0	\$0	0	\$42,702	0
5.8	Fire Detection System	\$0	3,000	\$0	0	\$0	600
5.9	Security System	\$0	0	\$0	0	\$0	0
5.10	Raised Floor, Ceiling, Lighting And partitions	\$12,558	14,477	\$0	0	\$10,047	2,895
5.11	Documentation (2 sets)	included	included	\$0	0	\$0	0
5.12	Insurance and Transportation to Site	included	included	\$0	0	\$0	0
5.13	Engineering Installation and Testing for Cutover and Provisional Acceptance	\$93,304	80,300	\$0	6,883	\$66,645	64,240
5.14	Spare Parts (3 years) CIF	\$234,939	0	\$0	0	\$54,985	0
5.15	Tools and Test Equipment - CIF	\$0	0	\$0	0	\$19,361	0
5.16	Insurance and Transportation	included	included	\$0	0	\$0	0
5.17	Maintenance Personnel - For One (1) Year after Provisional acceptance	Free of Charge	Free of Charge	\$0	0	\$0	0
5.18	Software Maintenance - Until Final Acceptance	Free of Charge	Free of Charge	\$0	0	\$0	0
5.19	Testing	included	included	\$0	0	\$0	0
5.20	Training Unix System V	\$64,614	0	\$0	0	\$0	0
5.21	Training SMS (2 classes)	\$71,916	0	\$0	0	\$0	0
5.22	Training TFS	\$27,529	0	\$0	0	\$0	0
5.23	Training SDAS	\$27,918	0	\$0	0	\$0	0
5.24	Training DATAKIT	\$45,390	0	\$0	0	\$0	0
5.25	Training 3B2 Maintenance	\$48,756	0	\$0	0	\$0	0
5.26	Price Adjustment for Training (Item 5.20 to 5.25)	(\$96,643)	321,821	\$0	0	\$0	0
5.27	Contract Price Reduction For Training (Item 5.20 to 5.25)	(\$35,000)	0	\$0	0	\$0	0
	TOTAL FOR COM SYSTEM	\$4,025,014	419,598	\$0	0	\$0	0
	One Time Price discount for the COM System	(\$100,000)	0	\$0	0	\$0	0
5.	COM CENTER Total	\$3,925,014	419,598	\$0	6,883	\$1,982,351	67,735
6.	PROGRAM MANAGEMENT	\$334,002	156,406	\$0	4,812	\$177,278	83,013
7.	TRAINING PROGRAM		To be determined	\$0	0	\$0	0
TOTAL		\$24,683,250	1,942,083	\$0	11,695	\$18,233,655	1,516,828

Notes: (1) Prices are as per Amendment #2 (COM center included)
 (2) Deduction prices of spare parts and consumables are due to non delivery

CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
COST AND COMMITMENT REPORT (Exhibit 3.2)
O.S.P. CONTRACT
 June, 1994

III
PROGRESS STATISTICS

Item	Description	Budget (Contractual Obligation)		Cost			
				This Period		Total ITD	
		U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds
HELIOPOLIS EXCHANGE							
1.	Manholes, Handholes, and Vaults	556	6,840	\$0	0	\$83	1,026
2.	Conduit Systems	0	38,539	\$0	0	\$0	5,781
3.	Feeder Cable and Associated Equipment	1,338,358	209,076	\$0	0	\$200,754	31,361
4.	Distribution Segment	726,109	1,334,047	\$0	0	\$108,916	200,107
5.	Existing Plant	0	36,793	\$0	0	\$0	28,002
7.	Preliminary Engineering	0	0	\$0	0	\$0	0
9.	Documentation	5,500	24,153	\$0	0	\$825	3,623
10.	Maintenance	0	144,923	\$0	0	\$0	21,738
11.	Rock	0	0	\$0	0	\$0	0
12.	Extra Depth	0	0	\$0	0	\$0	0
13.	False Digging	0	0	\$0	0	\$0	0
14.	Extra Concrete	0	0	\$0	0	\$0	0
15.	Extra Reinforced Concrete	0	0	\$0	0	\$0	0
16.	Locking Manhole Cover	0	0	\$0	0	\$0	0
HELIOPOLIS EXCHANGE TOTAL		\$2,070,522	1.E: 1,794,370	\$0	0	\$310,578	291,639
AUTO EXCHANGE							
1.	Manholes, Handholes, and Vaults	5,105	77,635	\$0	0	\$766	11,645
2.	Conduit Systems	8,613	990,282	\$0	0	\$1292	148,542
3.	Feeder Cable and Associated Equipment	935,599	191,151	\$0	0	\$140,340	28,673
4.	Distribution Segment	854,190	1,833,613	\$0	0	\$128,128	275,042
5.	Existing Plant	245,971	681,590	\$0	0	\$36,896	133,857
7.	Preliminary Engineering	0	243,443	\$0	0	\$0	222,750
9.	Documentation	5,500	24,153	\$0	0	\$825	3,623
10.	Maintenance	0	144,923	\$0	0	\$0	21,738
11.	Rock	0	0	\$0	0	\$0	0
12.	Extra Depth	0	0	\$0	0	\$0	0
13.	False Digging	0	0	\$0	0	\$0	0
14.	Extra Concrete	0	0	\$0	0	\$0	0
15.	Extra Reinforced Concrete	0	0	\$0	0	\$0	0
16.	Locking Manhole Cover	0	0	\$0	0	\$0	0
AUTO EXCHANGE TOTAL		\$2,054,977	1.E: 4,186,789	\$0	0	\$308,247	845,871

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CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
COST AND COMMITMENT REPORT (Exhibit 3.2 cont'd)
O.S.P. CONTRACT
 June, 1994

III
PROGRESS STATISTICS

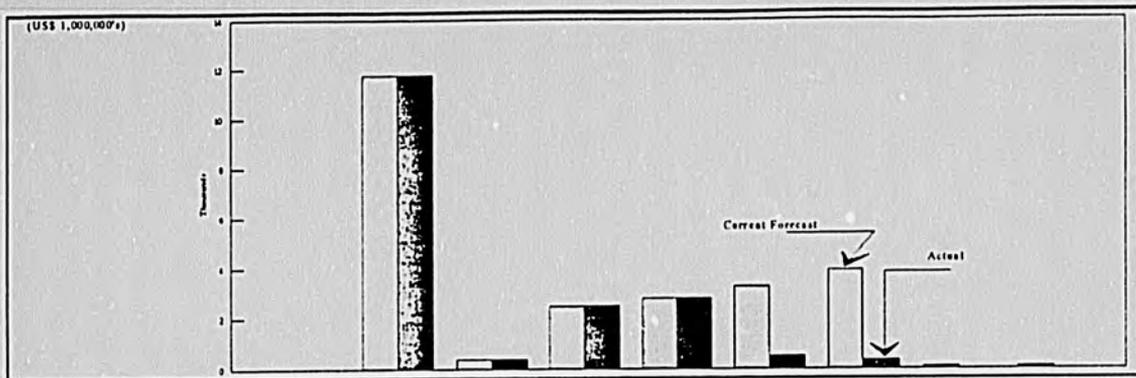
Item	Description	Budget (Contractual Obligation)		Cost			
				This Period		Total TTD	
		U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds	U.S. Dollars	Egyptian Pounds
GIZA EXCHANGE							
1.	Manholes, Handholes, and Vaults	20,009	246,240	\$0	0	\$3,001	36,936
2.	Conduit Systems	0	788,647	\$0	0	\$0	118,297
3.	Feeder Cable and Associated Equipment	1,382,521	344,844	\$0	0	\$207,378	51,727
4.	Distribution Segment	1,120,583	2,251,199	\$0	0	\$168,087	337,680
5.	Existing Plant	0	85,680	\$0	11,097	\$0	23,949
7.	Preliminary Engineering	0	304,304	\$0	0	\$0	45,646
9.	Documentation	5,500	24,153	\$0	0	\$825	3,623
10.	Maintenance	0	144,923	\$0	0	\$0	21,738
11.	Rock	0	0	\$0	0	\$0	0
12.	Extra Depth	0	0	\$0	0	\$0	0
13.	False Digging	0	0	\$0	0	\$0	0
14.	Extra Concrete	0	225	\$0	0	\$0	34
15.	Extra Reinforced Concrete	0	552	\$0	0	\$0	83
16.	Locking Manhole Cover	0	0	\$0	0	\$0	0
GIZA EXCHANGE TOTAL		\$2,528,612	L.E. 4,190,766	\$0	11,097	\$379,292	639,712
COMMON ITEMS							
6.	Warehouse Inventory	0	0	\$0	0	\$0	0
8.	Framing	491,387	0	\$0	0	\$73,708	0
9.4	Documentation Center (Ramiss)	11,000	24,153	\$0	0	\$1,650	3,623
17.	Program Management	2,617,636	1,332,777	\$124,338	50,646	\$516,983	250,562
18.	Price Discount	0	(1,000,000)	\$0	0	\$0	(47,123)
COMMON ITEMS TOTAL		\$3,120,022	L.E. 356,929	\$124,338	50,646	\$592,341	207,062
SUB-TOTAL OSP CONTRACT		\$9,774,134	L.E. 10,528,854	\$124,338	61,743	\$1,590,458	1,984,284
CONTINGENCIES		\$225,866	L.E. 0				
TOTAL OSP CONTRACT		\$10,000,000	L.E. 10,528,854	\$124,338	61,743	\$1,590,458	1,984,284

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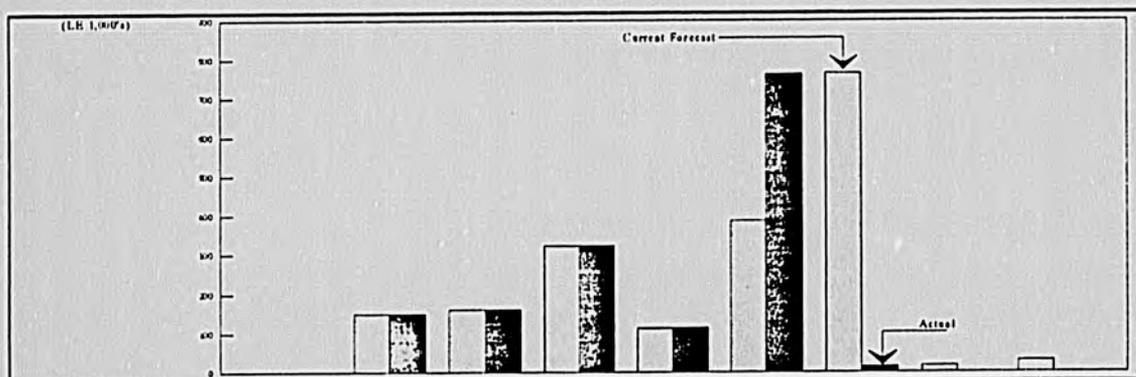
III PROGRESS STATISTICS

CONSTRUCTION MANAGEMENT CONSULTING CONTRACT QUARTERLY CASH FLOW REPORT (Exhibit 4.1) DSS CONTRACT June, 1994



Description		1992				1993				1994				Total To Date
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Budget	Quarterly	\$0	\$11,500	\$1,000	\$2,500	\$3,000	\$0,000	\$0,000	\$0,000	\$4,000	\$8,000	\$7,000	\$0,000	\$14,500
	Cumulative	\$0	\$11,500	\$12,500	\$15,000	\$17,000	\$17,000	\$17,000	\$17,000	\$21,000	\$29,000	\$36,000	\$36,000	\$50,500
Actual	Quarterly	\$0	\$11,500	\$1,000	\$2,500	\$3,000	\$0,000	\$0,000	\$0,000	\$4,000	\$8,000	\$7,000	\$0,000	\$14,500
	Cumulative	\$0	\$11,500	\$12,500	\$15,000	\$17,000	\$17,000	\$17,000	\$17,000	\$21,000	\$29,000	\$36,000	\$36,000	\$50,500

US Dollars Financed by USAID



Description		1992				1993				1994				Total To Date
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Budget	Quarterly	0	150	150	325	325	700	35	30	1,000	1,000	1,000	1,000	1,000
	Cumulative	0	150	300	625	950	1,650	1,685	1,715	2,715	3,715	4,715	5,715	6,715
Actual	Quarterly	0	150	150	325	325	700	35	30	1,000	1,000	1,000	1,000	1,000
	Cumulative	0	150	300	625	950	1,650	1,685	1,715	2,715	3,715	4,715	5,715	6,715

Egyptian Pounds Financed by ARENTO

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CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
 QUARTERLY CASH FLOW REPORT (Exhibit 4.1 cont'd)
 DSS CONTRACT
 As of June 30, 1994

Description / Duration		4th. Quarter	1st. Quarter	2nd. Quarter	3rd. Quarter	4th. Quarter	1st. Quarter	2nd. Quarter	3rd. Quarter	4th. Quarter
		11/92 - 12/92	01/93 - 03/93	04/93 - 06/93	07/93 - 09/93	10/93 - 12/93	01/94 - 03/94	04/94 - 06/94	07/94 - 09/94	10/94 - 12/94
US Dollars Financed By										
USAID	F	\$0	\$11,746,185	\$372,607	\$2,479,309	\$2,804,647	\$3,235,158	\$3,920,795	\$45,668	\$78,881
	A	\$0	\$11,746,185	\$372,607	\$2,479,309	\$2,804,647	\$487,798	\$343,109		
Egyptian Pounds Financed By										
ARENTO	F	0	150,115	158,731	322,723	112,894	387,869	764,077	15,225	30,450
	A	0	150,115	158,731	322,723	112,894	760,670	11,695		

Description / Duration		Disbursement To Date	Balance To Go	Total Cost
US Dollars Financed By				
USAID	F	\$24,558,701	\$124,549	\$24,683,250
	A	\$18,233,656	\$0	\$18,233,656
Egyptian Pounds Financed By				
ARENTO	F	\$1,896,409	\$45,675	1,942,084
	A	\$1,516,828	\$0	1,516,828

NOTES:

- (1) The COM center is incorporated in the current forecast
- (2) F = Current Forecast For Disbursement
 A = Actual Disbursement

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CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
 QUARTERLY CASH FLOW REPORT (Exhibit 4.2 cont'd)
 OSP CONTRACT
 As of June 30, 1994

Description / Duration		3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter
		07/93 - 09/93	10/93 - 12/93	01/94 - 03/94	04/94 - 06/94	07/94 - 09/94	10/94 - 12/94	01/95 - 03/95	04/95 - 06/95	07/95 - 09/95	10/95 - 12/95	01/96 - 03/96
US Dollars Financed By												
USAID	F	\$0	\$1,472,332	\$501,397	\$980,621	\$1,998,346	\$2,362,359	\$1,293,403	\$89,918	\$29,448	\$29,448	\$1,006,862
	A	\$0	\$1,466,120	\$0	\$124,338							
Egyptian Pounds Financed By												
ARENTO	F	0	1,734,711	72,120	593,033	2,187,855	3,244,820	1,482,794	115,654	14,994	14,994	1,067,880
	A	0	1,729,328	193,213	61,743							

Description / Duration		Disbursement To Date	Balance To Go	Total Cost
US Dollars Financed By				
USAID	F	\$2,964,350	\$6,809,784	\$9,774,134
	A	\$1,590,458	\$0	\$1,590,458
Egyptian Pounds Financed By				
ARENTO	F	\$2,399,864	8,128,991	10,528,855
	A	\$1,984,284	0	1,984,284

NOTES:

- (1) F = Current Forecast For Disbursement
- (2) A = Actual Disbursement

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**CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
AMENDMENT AND IMMEDIATE ACTION CHANGE ORDER (IACO) SUMMARY (Exhibit 5.1)
DSS CONTRACT
June, 1994**

AMENDMENT NO	IACO NO	CA NO	DATE EXECUTED BY ARENTO/DBI	Net (2)	
				USD	L.E.
ORIGINAL CONTRACT	-	-	03-Nov-92	\$26,262,479	1,953,923
APPROVED CHANGES					
AMENDMENT NO. 1	N/A	1	09-Feb-93	(\$153,826)	21,336
AMENDMENT NO. 2	N/A	2	24-May-93	\$3,925,014	419,598
SUB-TOTAL APPROVED CHANGES				\$3,771,188	440,934
TOTAL CONTRACT				\$30,033,667	2,394,857

USAID GRANT NO. 261-0177 (TFF/COMIV)		USAID GRANT NO. 261-K-620 (CIP)		ARENTO FINANCED NOTE (1)	
USD	L.E.	USD	L.E.	USD	L.E.
\$20,868,108	0	\$4,707,743	0	\$6,866,628	1,953,923
(\$109,872)	0	\$0	0	(\$43,954)	21,336
\$2,500,000	0	\$0	0	\$1,425,014	419,598
\$2,390,128	0	\$0	0	\$1,381,060	440,934
\$23,258,236	0	\$4,707,743	0	\$2,067,688	2,394,857

PENDING CHANGES					
N/A	N/A	N/A	N/A	\$0	0
SUB-TOTAL PENDING CHANGES				\$0	0

\$0	0	\$0	0	\$0	0
\$0	0	\$0	0	\$0	0

NOTES :

- ARENTO financed local currency includes L.E. 452,775 for Auto exchange, plus L.E. 1,522,485 for Giza,Ramsis, Opera & Pyramids exchanges.
- The total contract value of U.S.D.\$ 30,033,667 includes U.S.D.\$ 4,707,743 financed under USAID grant No.236- K- 620 and U.S.D.\$ 2,067,688 financed by ARENTO for Auto exchange & COM System.

**CONSTRUCTION MANAGEMENT CONSULTING CONTRACT
 AMENDMENT AND IMMEDIATE ACTION CHANGE ORDER (IACO) SUMMARY (Exhibit 5.2)
 OSP CONTRACT
 June, 1994**

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AMENDMENT NO.	IACO NO.	C/A NO.	DATE ENTERED BY ACSI (MM/DD/YY)	Note (1)		AMOUNT FINANCED BY USAB		AMOUNT FINANCED BY ARENTO	
				USD	LF	USD	LF	USD	LF
ORIGINAL CONTRACT	-	-	22-Jul-93	\$9,774,134	10,528,854	\$10,000,000	0	\$0	10,528,854
APPROVED CHANGES :									
Amendment No 1			22-Dec-93 Note (2)	---	---	---	---	---	---
SUB-TOTAL APPROVED CHANGES				\$0	0	\$0	0	\$0	0
TOTAL CONTRACT				\$9,774,134	10,528,854	\$10,000,000	0	\$0	10,528,854
PENDING CHANGES :									
N/A	N/A	N/A	N/A	\$0	0	\$0	0	\$0	0
SUB-TOTAL PENDING CHANGES				\$0	0	\$0	0	\$0	0

NOTES :

- (1) Amount available for warehouse inventory and contingencies is \$ 225,866
- (2) Amendment No 1 incorporates changes in the wording of Clause 68 entitled "Transfer of Title to ARENTO". Amendment No 1 has no cost impact.

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