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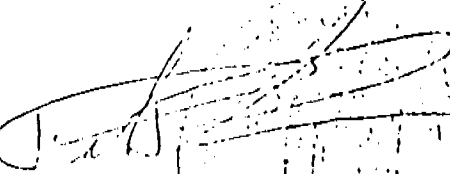
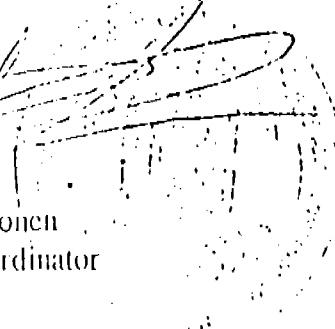
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PROJECT NAME: REGIONAL WATER SUPPLY AND SANITATION
PROJECT IN BENI SUEF GOVERNORATE

COUNTRY: EGYPT

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ABBREVIATIONS AND ACRONYMS

EGA	Economic General Authority
EGP	Egyptian Pound
Ezba	Part of a mother village
FIDIC	Federation Internationale Des Ingenieurs-Conseils
FIM	Finnish Markka
FINNIDA	Department of International Cooperation, Ministry of Foreign Affairs of Finland (Former Finnish International Development Agency)
GOE	Government of Egypt
GOF	Government of Finland
HRD	Human resources development
LD II	Local Development II Project (USAID)
LWC	Local Women Coordinator
Markaz	District of a governorate
MFA	Management & Financial Adviser
NOPWASD	National Organization for Potable Water and Sanitary Drainage
NSCE	North South Consultants Exchange
O&M	Operation and maintenance
OMA	Operation and Maintenance Adviser
PD	Project document of RWSSP
PHC	Primary health care
PHCP	Primary Health Care Project in Rural Beni Suef
PRA	Participatory Rapid Analysis
PRO	Project Coordinator
RMU	Reorganized Markaz Unit
RWSSP	Regional Water Supply and Sanitation Project in Beni Suef Governorate
TOR	Terms of reference
USAID	United States Agency for International Development
USD	United States Dollar
VC	Village Coordinator
VS	Village Supervisor
WID	Women in development
WS	Water supply
WSS	Water supply and sanitation

EXECUTIVE SUMMARY

The year has been used mostly to finalize the pilot schemes, to help the establishment of the new EGA and to develop the management systems in Sumusta water supply sector.

In **rehabilitation of the water supply system**, the rehabilitation of the existing water supply network in Sumusta city was completed. New lines were constructed to improve the water circulation and self cleaning of the distribution network. The works included also as-built drawings on the new accurate maps specially prepared by the Project.

In **rehabilitation of the two compact units**, rehabilitation of the Unit No. 1 was completed and in addition some other renovation works were completed. The rehabilitation is supposed to be finalized during the first quarter of the next year.

In **construction of the emergency borehole well**, a borehole well was implemented with the proper design to prevent all the possible pollutants in the surface water to enter the well. Due to the content of certain minerals which makes the taste of the water little bit different from the taste of the surface water which the people is used to, some consumers have find it objectionable.

In **village water supply systems**, the scheme No. 2 in Ghaiada El Sharqiya, Beba Markaz was finalized and scheme No. 3 four villages in Mazoura, Sumusta markaz was finalized about 95 %. Scheme No. 3 was connected to the new compact unit implemented by NOPWASD in El Gendi. Redesign of the drainage for some of the public taps was started as per the recommendations of the Evaluation and Appraisal Team.

The procedure to prepare model contract form for temporary handing over of the public taps have been continued. Revenue collection is also under discussion and design.

In **pilot schemes in village sanitation**, evaluation process of demonstration latrines was finalized. According to the results, 78 % of the beneficiaries were satisfied with the latrine. Some new demonstration latrines, five private washing and a public washing places, a waste water disposal and on site treatment "plants" were implemented in Beba and El Fashen. Training for LWCs was conducted. Initial negotiations took place with Social Fund about their possibilities to finance the implementation of private latrines in the villages.

In **waste water system in Mazoura**, the tender procedure was cancelled because of too expensive tenders. More economical design will be prepared by using cheaper materials and pumping Mazoura sewage waters to Sumusta plant, which is under construction. The delay of this pilot scheme is the main reason for low disbursement of the GOE funds with the Project.

In **solid waste management in El Fashen**, the solid waste system was extended to half of the

city. The trommel screen for screening the compost and grinding machine for plastic were purchased. Local Unit implemented some construction works at the recycling site in Bahr El Azam. New organization with a new performance oriented budget for solid waste management was developed together with the Local Unit. Training courses were conducted.

In **sector development plan**, the main activities were ground water resource and surface water resource studies and preparing of basic data collection for Sector plan and tentative ideas for physical development plan. This component is behind the time schedule because of missing human recourse at the beginning of the year.

In **institution building and management development**, the main efforts of RWSSP were concentrated on management development on the markaz level because such development is a prerequisite of sustainability whatever the type of utility and organization structure will eventually be adopted for the WSS sector. The Project concentrated on the institutional development on the markaz level aiming at the establishment of a model reorganized markaz unit (RMU) in Sumusta.

Cooperation with the USAID Mission and their consultants and with the Dutch Project in Fayoum was maintained by several meetings and exchange of relevant information.

The seminar on "Establishing an Economic General Authority" was conducted in cooperation with Chemonics, Egypt. Participants (totally 38 persons) were mainly markaz chiefs and utility engineers from all the markazes of the governorate and relevant persons from the Governorate organization and H.E., the Governor participated also the seminar.

The Transition committee to transfer the existing water and sanitation activities into new EGA was formed in September.

H.E, Sabrey El-Kadi, the Governor of Beni Suef visited Finland. H.E. had a meeting with H.E., Pekka Haavisto, Minister of Environment and International Cooperation.

In **topographic mapping**, the remaining maps of the Sumusta city was completed and all the information was prepared in a digital format. The mapping of El Fashen city commenced. The mapping seminar was arranged under the auspice of H.E., the Governor.

In **management development**, the following four short term consultants worked with the Project Utility Advisor, Electrical Engineer, Operation and maintenance Consultant and Leak detection Expert.

In **water loss reduction**, leak detection devices were purchased and training to utilize these equipment was arranged. Number of new boundary valves were installed and old existing valves

were rehabilitated together with the rehabilitation of the existing water distribution network to assure more proper managing of the system operation.

In **central laboratory**, the missing equipment and chemicals were purchased. The laboratory has mainly concentrated on the follow up of the water quality in Sumusta. The laboratory still looks for a local chemist to be trained to work there

In **maintenance workshop**, the old pump house in the old elevated tank site in Sumusta City was renovated to be a central maintenance workshop.

In **human resources development**, in manpower inventories job analyses of existing jobs were finalized for water supply sector jobs of Sumusta City and Markaz based on the interviews of the staff. Job descriptions were prepared for the staff which was proposed to work in the new Equipment Maintenance Workshop.

The training program for 1996 was carried out with some changes. The register of providers of training has been established since 1994 and is being updated when necessary. Utility Engineer of Sumusta and Mechanical Engineer of RWS&SP visited Tuusula Water Utility for three weeks time being part of the twinning.

In **community participation and WID**, the PHCP did not have a permanent representative in Beni Suef. However, the cooperation with the local health sector authorities and village level sanitarians was continuous.

The home-visit program has been running since the beginning of 1995. The public awareness and information was given to the village women in a seminars. An educational play was ordered from a play writer and performed by local actors.

The pilot schemes were assisted, certain evaluation activities were carried out. The data of the conditions in the families and villages was collected regularly during the home-visits. Summaries of the results of the work of LWCs are prepared after each period and analyzed to find out the possible effects of the work.

In the **technical assistance**, several short term expatriate consultants worked with the Project. The total number of the Project staff was 30 persons at the end of the year.

There were only minor changes in the **logistics**. The main issue in the **Project management** was the mission of Evaluation and Appraisal Team on Autumn.

Concerning the **financial performance**, 85.3 per cent of budgeted GOF funds and 19.0 per cent of budgeted GOE funds and 18.5 per cent of budgeted beneficiaries funds were used.

1. ACHIEVEMENTS DURING THE YEAR

1.1 Major outputs, deviations from the work plan and their reasons and influence

A. PILOT SCHEMES IN GENERAL

The preparation of designs and tender documents for the pilot schemes consumed more time than was expected, and the remaining tender documents were finalized at the first quarter of the year. Tender prices of "Waste water system in Mazoura village" were found out to be far too expensive and the redesign was decided to start at the end of the year to find a more economical design. First tendering procedure of the "Rehabilitation of the two compact units in Sumusta city" failed because the selected contractor repudiated to sign the contract and commence the work.

One consultant company was engaged for supervision of a contract and one in design works for the subcomponents A1 and A6. In addition to these major contracts, local consultancy services were hired for small design works in subcomponent A7 and design work and finalizing of tender documents were carried out by the Project in subcomponents A1 - A5 and A7.

The tender documents were produced using the conditions of contracts developed by FIDIC which not only cover the requirements of Egyptian legislation but also upgrade the standard of contracting procedures.

Two major implementation contracts were carried out under the subcomponent A1 and another was commissioned in June. One major implementation contract was carried out under the subcomponent A2-3 and another was commissioned in June. Several smaller contracts, implementation and purchase were carried out during the year in each subcomponent.

Supervision of the implementation contracts were completely by the Project when the financing was from the Finnish contribution. All the needed and agreed procedures were followed. Supervision of the implementation contracts were mainly by the Housing Department when the financing was from the Egyptian contribution. All the agreed procedures were not followed so exactly when Finnish contribution concerned.

All the subcomponents are behind the time schedule of the Workplan 1996. The main reason was that the work of the consultants and contractors have been much slower than was expected and mutually agreed.

A1. Rehabilitation of the water supply system in Sumusta City

Rehabilitation of the existing water supply network in Sumusta city

For improving the water circulation and self cleaning of the distribution network, number of new lines were constructed for linking existing dead ends of the system. Also two bypass lines were constructed to secure feeding of the distribution system under different circumstances.

The rehabilitation included construction of about 7.0 km of new PVC pipelines, installing of 131 new valves with protection pipes and surface boxes, rehabilitation of 203 existing valves, rehabilitation and modification of 25 firehydrants, installing of 10 new firehydrants and constructing of 14 valve chambers. The original works were completed slightly behind the schedule, but while executing the works, some additional needs were identified.

Needs were inspected, designs and documents were prepared and works commenced. Additional contract included construction of about 1.4 km of new PVC pipelines and installing of 28 new valves.

All the works including as-built drawings of the implemented lines were completed by the end of the year. The as built drawings are drawn on the new accurate maps (scale 1: 1000) specially contracted by the Project. The maps are in digital form and they can be modified in the computer of the Project.

Preliminary flushing through the existing fire hydrants of the network was carried out three times during the year and at the same time water quality was studied and results concluded. Final flushing of the network will be carried out after completion of the Rehabilitation of the two compact units.

Rehabilitation of the two compact units in Sumusta city

The contract was awarded at the end of the previous year but the contractor repudiated to sign the contract. That is why the tendering procedure was repeated. The tender call was renounced, tenders were evaluated and contract was awarded and works were commenced at the beginning of June.

It seems that the contract was very attracting for the contractors because fourteen (14) companies showed their interest in tendering by collecting the tender documents and eight (8) of them submitted their tenders at time. Tendering procedure included also tenderers conference and clarification meetings with competitive tenderers

After dismantling old piping and mechanical equipment from the existing unit No 1, many unforeseen problems which requires more extensive investigations and redesigning were noticed.

Solving of the identified problems required for number of variation orders, which had also the significant effect for the time of implementation. Due to unexpected additional works, time of implementation was delayed and need for extending the time came unavoidable.

At the end of the year 1996, rehabilitation of the Unit No.1 was completed and in addition the renovation of the generator house, construction of the intake bridge, raw-water sump, installing the inlet and interconnecting pipes and renovation of the treated water tank were completed excluding some minor remaining works.

The works are expected to be finalized during the first quarter of the next year. This type of unexpected extra works, which required more funds and time are very natural in this kind of rehabilitation works.

Construction of the emergency borehole well in Sumusta city

As an essential part of the rehabilitation, one borehole well was designed and constructed. The borehole well was properly designed to prevent all the possible pollutants in the surface water to enter the well. The purposes of the construction of the borehole well were the following:

- * Additional water source is needed to avoid serious disturbances in water supply in case that some of the existing units will be out of operation during or after rehabilitation
- * The canal from which the raw water is taken to the compact units receives human and animal wastes and agricultural return waters which contain pollutants that can form health risks. A new water source is needed for emergency cases when the use of surface water is prevented because of the health risks
- * The water of the deep borehole well (70 m) is well protected against pollution and can provide the residents of Sumusta city with a safe minimum water supply under all circumstances
- * Water from the borehole well does not need any treatment. If it is used in addition to the water from the compact units, considerable savings of treatment costs can be made.

The construction of the borehole was completed in May 1996. After completion of the well, water samples were taken and analyzed in El Fustat Central Water Quality Laboratory in Cairo. Results of comparisons of all the examined constituents of the well water and the health-related quality requirements published by the World Health Organization have been presented to the Governorate and Health Department in Beni Suef.

Due to the content of certain minerals which makes the taste of the water little bit different from the taste of the surface water which the population is used to, some consumers have find it objectionable.

For eliminating the undesirable test, the plan of blending water from the well with treated water from the compact units was made and about 300 meter long additional feeding line (mixing line)

for proper blending of the water was designed and implemented.

Anyhow, even if there are no health risks associated with the use of the well water as such, with mixing it for water from the compact units, minor defects in taste and some technical properties as well will be avoided.

Summary

The main fault of the Project concerning these implementation works have been somehow neglecting the social aspect. This means that during the design and implementation stages, local political decision makers should have been invited to the sites and to explain them why and when the needed designs and works will be implemented. This might have prevent the rumors and wrong sayings particularly of the water quality.

All the a/m works were implemented by the Finnish contribution and supervised by the Project. All the required documentation including accurate as built drawings have been made.

Documentation of these rehabilitation works include also lot of photos taken by Mr. O&M Advisor.

A2-3. Village water supply system, public tap construction and revenue collection

Scheme No. 1. Gezira El Sharqiya in Gezert El Beba Village, Beba Markaz (about 2550 inhabitants)

The scheme was designed, implemented and supervised using the normal design and tender procedure of the Housing Department. The Project cooperated in supervision mainly in a financial way.

Because the design and survey works were not properly done and finalized, the as-built drawings were not finalized before the middle of the year.

"Handing over procedure" of the public taps have been delayed. The consumer groups for each public taps were formed by the help of LWC of the Project and in good cooperation with local people already during the previous year.

Redesign of the drainage for some of the public taps were started as per the recommendations of the evaluation team. Implementation of the said drainage will be carried out at the beginning of the next year.

**Scheme No. 2. Ghaiada El Sharqiya & al in Gezert Beba Village, Beba Markaz
(about 5350 inhabitants)**

The tender procedure was finalized during the first quarter of the year, contract was awarded and the works were commenced. The circumstances especially at the northern end of the scheme area were very difficult because of very hard soil conditions. The area was mainly hard rock and trenches were excavated manually. This required much more time than expected.

This scheme was implemented by using the Egyptian funds and the Housing Department was the Employer for the scheme.

Supervision of the implementation was mainly by the Housing Department and all the agreed procedures and reporting methods were not followed so exactly when Finnish contribution concerned. As-built drawings were received and finalized during the end of the year.

"Handing over procedure" of the public taps have been delayed. The consumer groups for each public taps were formed by the help of LWC of the Project and in good cooperation with local.

Redesign and implementation of the drainage for some of the public taps were started as per the recommendations of the evaluation team. Implementation of the said drainage will be carried out during the next year.

**Scheme No. 3. Nosair & al. in Mazoura Village, Sumusta Markaz
(about 6450 inhabitants)**

The Project finalized the design and tender documents. The Project was forced to terminate the consulting contract at the end of year 1995 and the designs had to be finalized by the Project. The tender procedure was finalized, the contract was awarded and works were commenced in May. Some 5 % of the works are still under implementation mainly because of the water supply line should by-pass an old cemetery area in Kom El Ahmr ezba

Checking of the locations of water distribution lines and public taps were done already during the previous year by the Project in good cooperation with LWC of the Project and local people and village/ezba chiefs. Consumer groups for the public taps were also formed. Some modifications were still done during the implementation stage.

This scheme will be implemented by using the Egyptian funds and the Housing Department is the Employer for the scheme.

It was decided earlier to study possibilities to utilize ground water resources of that area. As a results of experimental wells, the location of ground water intake was decided to be situated in El Gendi and it was part of this scheme. It was found out in September 1995 that a compact unit

For Mazoura village water supply will be implemented in El Gendi site by NOPWASD. The compact unit was finalized during last year.

The scheme was decided to utilize this compact unit and water supply line for four villages was connected to the unit. The implementation work will be finalized at the beginning of the next year. Supervision of the implementation is mainly by the Housing Department and all the agreed procedures and reporting methods are not followed so exactly when Finnish contribution concerned.

Public tap construction and revenue collection

Pre cast RCC public taps were contracted by the local contractor and at the end of the year the rest of the pre cast RCC public taps were ordered. The number of public taps that have been used by the local consumers are as follows:

Scheme No. 1. 12 pcs
Gezira El Sharqiya in Gezert El Beba Village, Beba Markaz

Scheme No. 2. 17 pcs
Ghaiada El Sharqiya & al in Gezert Beba Village, Beba Markaz

Scheme No. 3. 23 pcs
Nosair & al. in Mazoura Village, Sumusta Markaz.

Part of the drainage works will be modified as per the requirements and suggestions of the evaluation team. Redesign and contract documents of the revised drainage works were finalized.

The procedure to prepare model contract form for temporary handing over of the public taps have been continued. The procedure is going on.

The consumer groups have been formed in all schemes by the LWC of the Project in good cooperation with local people and village/ezba chiefs.

Revenue collection is under discussion and design. It has been decided to measure the consumed water of each public tap. It has not been decided yet if some type of extra water consumption should be charged. Maybe a very small amount should be charged only for maintenance purpose of the taps. These matters are still under consideration.

WASTE WATER AND SANITATION PILOT SCHEMES

A4-5. Pilot schemes in village sanitation

The evaluation process of demonstration latrines was finalized. According to the results, 78 % of the beneficiaries were satisfied with the latrine. It seems that in most cases where the beneficiary is not satisfied the problems are connected with the question of contribution from beneficiaries, not so much with the technical problems. Also some more awareness should be given for a local people to realize properly the system.

Ten additional demonstration latrines, five private washing places and one public washing place with on-site waste water treatment and one waste water disposal and on-site treatment "plants" were implemented in Kom El Saida, Beba during the spring time.

35 latrines were constructed in El Fashen Markaz and training for Local Woman Coordinators in EL Fashen, Beba and Sumusta was conducted in autumn time. Maintenance was given for the latrines in El Saida mosque and additional training was given to the local beneficiaries. Preliminary negotiations took place with Social Fund, Beni Suef about the possibilities of Social Fund to finance implementation of private latrines in the villages.

Preparing of the design and construction manual of private latrines was continued and will be finalized at the beginning of the next year.

A6. Waste water system in Mazoura

The discussions about combining Sumusta and Mazoura waste water treatment plants and implementing it in the "desert area" were continued at the beginning of the year.

During the first quarter of the year, the design and tender documents of the collection system and treatment plant in Mazoura were finalized and because no agreement were reached about connecting the two treatment plants, the tender documents were handed over to the Housing Department for tendering. The tender was announced in June. Tenders were received, evaluation was finalized but all the tenders were far too expensive. The Consultant has fully failed with his cost estimate. The tenders procedure was decided to repeat and all the tenders were cancelled in October.

The decision was made to prepare new and more economical design by using cheaper materials etc. The negotiations with NOPWASD for taking Mazoura waste waters to Sumusta waste water treatment plant started again at the end of the year and the decision was made that the waste water of Mazoura will be pumped to Sumusta treatment plant which is already under implementation. Sumusta treatment plant will probably be finalized by the end of next year.

At the very end of the year tender call for modification the designs for collection system and force main were announced.

The designs and tender documents will be finalized during the first quarter of the next year and the tender procedure will be repeated. This pilot scheme will be financed from the Egyptian contribution.

A7. Solid waste management in El Fashen

The solid waste system was extended to half of the city and test for composting the waste at the composting site started at the beginning of the year. Prototypes for tools like hand cart and manual screen were manufactured and tested. Designs for two additional transfer stations were prepared and one of the transfer stations were implemented and 5 additional donkey carts were manufactured.

The trommel screen for screening of compost was ordered and the work was completed in July. The trommel screen needed some modifications later on. Manufacturing of a grinding machine for plastic started at same time and was finalized in August. Meetings were held to spread information about the pilot scheme also to other cities and villages during the spring.

The construction works implemented by Local Unit at recycling site in Bahr El Azam were finalized in July but the electricity was not connected until October. When the electricity was connected the grinding machine was installed and also the washing system for plastic was finalized. New organization with a new performance oriented budget for solid waste collection was developed together with the Local Unit representatives. The system for collecting waste revenues from beneficiaries was also developed to cover the running costs of the system and to make Local Unit independent of support from the RWSSP. At the end of the year, the amount of collected revenues increased considerably and the target was easily reached. It is supposed that at the end of next February, the Local Unit can manage without the support from the RWSSP for running costs.

Training courses were held for workers and for housewives about solid waste system in Autumn. A management course was conducted also to encourage the management to a more encouraging management style.

B. SECTOR DEVELOPMENT PLAN

The main activities were concentrated as follows:

- * Collection of basic data of existing water supply and sanitation systems

- * Ground water resource and Surface water resource studies
- * Preparing of basic data collection for Sector plan and tentative ideas for physical development plan.

The checking existing data bank has been done through the year. This needs still some translation and updating efforts. Diskettes concerning strategic plan for reviewing the data bank were received from the Governorate. It proved out to be quite time consuming to get the exact information also from the Governorate officers.

Tenders were received from two local consultants to carry out ground and surface water studies. Tenders were evaluated, consultancy assignments was awarded and studies were commenced. Ground water and Surface water resource studies have been continued through the whole year by a local Consultant. The Consultant has submitted the inventory studies, analysis reports and draft preliminary and final reports have been submitted for reviewing and approval.

Ground and surface water studies included also monitoring program reports. The monitoring programs were commenced and during August the first monitoring round was carried out. Next monitoring round will be carried out during the next dry season, i.e. January - February 97.

A short term consultant worked with the Project in sectoral planning for water supply and sanitation twice during the second half of the year, totally about 2.5 months. The expatriate, short term consultant together with a local consultant reviewed all the existing and previous studies for the project area. This didn't affect the existing water supply and sanitation systems. A summary reports were prepared about their work, findings and recommendations.

It was found out that to obtain any copies of the relevant existing plans and designs of water and sanitation sectors of the Governorate and the three markazes were very slow processes. This concerned all the information resources i.e. the Governorate, NOPWASD, Ministry of Planning etc. This still need some translation works to be done from the Arabic text.

Three different reports were prepared for both Ground Water and Surface Water Study: Data collection report during the second quarter, Interim report of the Water Resources Inventory and the Water Resources Inventory Assessment report during the third quarter.

This component is behind the time schedule because of missing human recourse available for this special component at the beginning of the year. The expatriate short term consultant will continue his assignment also during the first half of the next year to finalize the sectoral planning and physical development plans for the water supply and sanitation sector in the project area.

C. INSTITUTION BUILDING AND MANAGEMENT DEVELOPMENT

Component C can be divided in two components; C1 Institution Building and C2 Management Development.

C1. Institution building

The main efforts of RWSSP were concentrated on management development on the markaz level (Subcomponent C2) because such development is a prerequisite of sustainability whatever the type of utility and organization structure will eventually be adopted for the WSS sector. The Project concentrated on the institutional development on the markaz level aiming at the establishment of a model reorganized markaz unit (RMU) in Sumusta. Development of management systems that make cost-effective water production and distribution possible in the RMU will be the primary target in RWSSP's institutional development work.

Laws concerning WSS sector, functions of WSS institutions at all levels, and structures of already established autonomous entities were studied. Similar work going on elsewhere in Egypt, especially in the neighboring governorate of Fayoum was followed closely.

Cooperation with the USAID Mission and their consultants was maintained by several meetings and exchange of documents. Cooperation with the Dutch Project (Fayoum Drinking Water Project) was also maintained by several meetings and exchange of relevant information. The RWS&SP participated in several seminars, workshops and meetings of USAID and Dutch and also they were always invited to participate in our similar occasions.

Job interviews, translations and analysis have been continued to carry out and draft descriptions (Sumusta) for organizational structures including names and positions of personnel, duties of the various units and descriptions of existing tasks of posts were continued and revised.

All the possible actions of establishing the new Economic General Authority (EGA) were followed. Because the actions taken were behind the other Governorates mentioned in the Presidential decree issued September 95, the Project decided to give assistance. There have been several seminars and workshops on new EGA in several places in Egypt. The idea was to tailor a seminar just for Beni Suef needs.

The seminar on "Establishing an Economic General Authority" was conducted in Auberge, Fayoum on 16 - 18.7.96. This was arranged in cooperation with Chemonics, Egypt. It was obvious that the establishing of new Economic General Authority was delayed in Beni Suef Governorate and this was supposed to support governorate in their way of establishing the new authority. Participants (totally 38 persons) were mainly markaz chiefs and utility engineers from all the markazes of the governorate and relevant persons from the Governorate organization. **H.E., the Governor** participated all the seminar.

The Transition committee to transfer the existing water and sanitation activities into new EGA was formed in September. The chairman of this committee is Secretary General of the Governorate. At the same time he is also the National Director of the RWS&SP. All the actions of this new Transition committee were followed by the Project.

The RWSSP has been ready to provide technical assistance to the Transition Committee and the Board of Directors of the new EGA in the role of an in-house consultant in specific fields of expertise as requested by them. The actions of Transition Committee hasn't been too active and the Board hasn't been nominated. The RWS&SP participated in briefing of few candidates for the chairman position of new EGA about the general water and sanitation status in the Governorate.

H.E, Sabrey El-Kadi, the Governor of Beni Suef visited Finland during the period 24.8 - 2.9.96. H.E. visited Ministry of Foreign Affairs, Department of International Cooperation, Helsinki and had a meeting with H.E., Pekka Haavisto, Minister of Environment and International Cooperation. H.E., the Governor met also several relevant officers in the Ministry. The schedule of the visit was very tight including visiting sewage plant, composting plant and an autonomous water company in Oulu. H.E., the Governor visited also Tuusula Water Utility, twinning company of Sumusta markaz water sector.

The Governor also met the representatives of PHCP and visited in Herttoniemi Health Care Center in Helsinki.

The two main objects of the visit were to

- * familiarize H.E., the Governor with water and sanitation sectors in Finland
- and
- * to give H.E., the Governor a general overview of the country and its possibilities to give assistance to Beni Suef Governorate.

Some activities require action by others first and were therefore postponed to 1997. Emphasis was placed on basic management development and HRD actions (such as management improvements of O&M functions of water supply systems and analyzing existing jobs, tasks and skills) that still need efforts to be carried out before the planning of a RMU can be finalized. These actions are reported under Components C2 and D.

C2. Management development

Topographic mapping

The remaining maps of the Sumusta city was completed at the beginning of the year. Work was

continued by collecting needed additional information by field survey and field investigations. Also to make proper planning, design and system operation possible special system layouts were produced based on the basic maps. All the information was prepared in a digital format and it is now possible to modify the maps by the computer of the RWS&SP.

A visit for the representatives of the three Markazes, Sumusta, Beba, El Fashen and the representatives of the Governorate was arranged to the Contractor, specialized for the preparing of the maps to demonstrate and explain available applications of the mapping.

The mapping seminar was arranged in the Beni Suef Governorate under the auspice of H.E., Mr. Sabry El Kadi, the Governor of Beni Suef and H.E., the representatives of Governorate, all the Markazes of Beni Suef Governorate, Egyptian Survey Authority, Central Agency For Public Mobilization and Statistics and RWS&SP participated the seminar.

The contractor, Finnmap International introduced and demonstrated mapping applications using computer and all the representing parties stated their opinions and possible roles in implementing the mapping.

At the end of the year, the Project signed the contract with Contractor to produce similar maps from El Fashen city. The maps will be similar than prepared from Sumusta city in scale 1:1000. Works were started by checking the levels of the earlier established ground control points and followed by producing topographic maps from the already available aerial photographs. First drafts of the maps were received at the end of the year.

Water loss reduction

Preparation of a comprehensive water loss reduction plan for the water supplies in Sumusta Markaz is included in the Workplan 96. An essential part of this plan is to develop an effective leak detection system.

The first step to develop this system was to determine suitable methods and equipment. The usefulness of different leak detection devices is strongly dependent on local conditions. Therefore, it is important to test them in actual conditions in the field before the final decision. Based on the test results, decision was made to purchase special equipment, which was received in April 1996. The training to utilize these equipment was arranged in May for the representatives of all the markazes in the project area.

After training, for facilitating bases of implementing a successful leak detection program, updating of the water supply system maps was continued.

Also for more proper managing of the system operation and making areal isolation possible, number of new boundary valves were installed and old existing valves were rehabilitated together

with the rehabilitation of the existing water distribution network. Due to uncompletion of the rehabilitation of the main water source (two compact units), including accurate metering, amount of the water produced is still based on estimations.

Due to the existing conditions, leak detection activities have mainly concentrated on carrying out the passive control by the means of repairing visible leakages.

Central laboratory

List of the equipment needed for Sumusta Central Laboratory was prepared, studied and quotations asked for the missing equipment and chemicals at the beginning of the year and purchasing and facilitating was completed in May.

During the year, laboratory has mainly concentrated on the follow up of the water quality in the water supply network of Sumusta and sources feeding the system. Number of jar tests were also carried out and samples analyzed for adjusting the process of the old existing compact units and new units under rehabilitation. Moreover number of the analyses were collected from different parts of the project area to facilitate the needs of the water resources inventory for both surface and ground water study. Samples were partly analyzed in Sumusta laboratory and those constituents which were not able to be covered, in selected laboratories outside.

Total number of the water samples analyzed during 1996 was about 200 including 2516 quality indicators and constituents. Moreover to the water analyzes 39 sieve analyzes were made during the year 1996.

In spite of several requests, the Governorate has not been able to nominate a chemist that would take responsibility for the operational water quality control of all water plants in Sumusta City and Markaz on a permanent basis. This was the main worry of the RWS&SP concerning the laboratory activities.

Maintenance workshop

Based on the recommendations presented by the O&M consultant in his report, concerning immediate physical improvements of the O&M facilities and working procedures, plans were made to renovate the old pump house in the site of old elevated tank in Sumusta City to be a central maintenance workshop. Plans included facilities for testing repair and maintenance of the equipment of the water stations. Renovation works were commenced and works were completed in November.

Due to the limited size of the old premises an additional extension was required to have also facilities to carry out water meter calibration and repair activities. Designs were made to extend the existing room of the workshop with additional annex for the water meter maintenance.

Additional works were nearly completed at the end of the year. Test bench with needed testing devices will be purchased and installed at the beginning of the next year.

Short term consultants

Four short term consultants, whose duties were related to the O&M and management development, visited the project during the reporting period.

Utility advisor visited at the beginning of the year. He concentrated in addition to his other studies for water loss reduction in his recommendations. Other activities are explained under the subcomponent D4, Twinning, being a part of Human Resources Development.

Electrical engineer visited in September. He checked and made comments of the existing electrical installations implemented and supervised by the Project. In addition to above he was focusing for developing of the operation and maintenance instructions in the field of electrical installations. His findings and comments are presented in his separate report.

Operation and maintenance consultant (Mechanical Engineer) visited at the end of the year after the renovation of the facilities for equipment and maintenance workshop was finalized. He demonstrated and gave training in use of the tools, machinery supplied by the project and constructed facilities which were also partly completed under his supervision.

Leak detection expert visited in May. He concentrated to give training in the use of the purchased leak detection equipment.

O&M of water supply systems in Sumusta city

Moreover to the activities carried out in Sumusta City, the Project has supervised implementation of the proposed immediate improvements at village water stations by following the proposals made by O&M consultant.

D. HUMAN RESOURCES DEVELOPMENT

The HRD component was divided into four Subcomponents: D1 Manpower inventories, D2 Training of water sector personnel, D3 Management of training, and D4 Twinning between a Finnish water supply utility and the WS sector of Sumusta.

Subcomponent D1 "Manpower inventories"

The achievements should have consisted of updating manpower register of WSS personnel in Beba, Sumusta and El Fashen Markaz. Job descriptions should have been proposed for the RMU staff in Sumusta. Assessment of manpower requirement in the present situation and assessment

of availability of manpower should have been made. Also manpower development plan for transition to RMU should have been proposed and discussed in workshops and implementation of transition started.

Job analyses of existing jobs were finalized for water supply sector jobs of Sumusta City and Markaz based on the interviews of the staff. Preparation of job descriptions for the Economic General Authority was included in the Action Plan of PCDP. Thus, work in this field would have been untimely and must, in the future, be coordinated with the Transition Committee. However, job descriptions were prepared for the staff which was proposed to work in the new Equipment Maintenance Workshop.

Manpower development plan has been prepared for the Equipment Maintenance Workshop. The plans for other units needs to be coordinated with the work of Transition Committee and in close cooperation with the possible USAID project.

Subcomponent D2 "Training of water sector personnel"

The achievement should have been the ability of the WSS sector personnel in different organizational units to perform their duties satisfactorily. Also the project staff and the Local Women Coordinators should have acquired the skills required for effective performance I project activities.

The original training program for 1996 and the status of implementation is presented in the Table in Annex 7. Some of the courses have not been implemented because they are connected to the completion of the technical projects.

Subcomponent D3 "Management of training"

Updated information should have been constantly available from the register. For the evaluation of quality of training, examinations and tests should have been conducted and training impact evaluation made on the basis of job performance. Assistance should have been provided for the Transition Committee and Board of Directors of EGA.

A register of providers of training has been established since 1994 and is being updated when necessary. All training courses are evaluated by the trainees. No evaluation based on job performance has been attempted yet.

Cooperation with the Transition Committee in the issues of training has not yet been actual.

Subcomponent D4 "Twinning between a Finnish water supply utility and the WS sector of Sumusta"

The achievements should have been establishment of twinning and better capabilities for problem solving and improved capabilities in Sumusta.

Tuusula Water Utility has been selected in 1995 to be the twinning company in Finland. Utility Advisor from that utility worked with the RWS&SP during the month of January. He studied the situation in Sumusta and prepared a report concerning the status and measures to be taken.

Utility Engineer of Sumusta and Mechanical Engineer of RWS&SP visited Tuusula Water Utility during the period 18.5 - 8.6.96 to participate the twinning program. The program included visiting and working in Tuusula Water Utility, visiting some material and machinery manufacturers and participating in a water seminar. The program is enclosed as an Annex 8.

O&M Consultant worked with the Project in November, and he concentrated on facilitating a central workshop in Sumusta markaz. He prepared work procedures and gave on-the job training for the selected staff of the workshop.

E. COMMUNITY PARTICIPATION AND WID

The Component consisted of Subcomponents E1 Cooperation between PHCP and RWSSP, E2 Data collection and establishment of contacts, E3 Public information and education, E4 Cooperation with other components of RWSSP, and E5 Monitoring of impacts of the Project on communities.

All activities relied on the work of Community Participation Coordinator organization consisting of 60 Local Women Coordinators (LWC), 15 Village Coordinators, 15 Village Supervisors, 3 Markaz Coordinators and 3 Markaz Supervisors.

Subcomponent E1 "Cooperation between PHCP and RWSSP"

The achievement should have been cooperation within the framework of the valid general Plan of Cooperation taking into account the annual work plans of both projects. The approach of the Primary Health Care Project was however changed and the project did not have a permanent representative in Beni Suef. Due to that no Annual Plan of Cooperation was prepared, but cooperation with the local health sector authorities was however continuous. In the village level sanitarians had close cooperation with LWCs and they acted as teacher in the RWSSP seminar program.

Subcomponent E2 "Data collection and establishment of contacts"

For the achievement of the outputs of Subcomponent E2 a home-visit program has been running since the beginning of 1995. Two sets of families (600 in the first period and 500 in the second) were visited by LWCs. Thus in total 3 300 families were consulted during the year. Each of the 60 LWCs paid two monthly visits to the families. The purpose of the visits was to instruct the village women on such topics as home hygiene, proper water use and environmental cleanliness. LWCs also visited the families from the precious target groups in 1995 in order to follow up the sustainability of the improvement in the hygienic conditions and use of water.

An important part of the LWCs in connection of the home-visit program work was to learn to know the water supply and sanitation problems of the families and cooperate with the local authorities to get the problems solved. As a result many broken public taps were repaired and manure piles removed from the streets. Proposals for solutions of waste water and solid waste disposal have been made for consideration by the RWSSP and the local units.

Subcomponent E3 "Public information and education"

Public education and information was given to the village women in a series of seminars arranged together with PIICP with support also from Health Culture and the Health Department of El Fashen.

An educational play was ordered from a play writer and performed by local actors. The show was presented in 12 villages. All the presentations have been completely fully booked and people have really enjoyed and felt that the play is for them. Lot of men have been among the audience and this has been a good way to show them why and how the LWCs are working. The final presentation will be at the beginning of next year, during the Beni Suef days in the new cultural palace in Beni Suef city.

Subcomponent E4 "Cooperation with other components of RWSSP"

The objective of the subcomponent is to assist other components of RWSSP in cooperation with communities.

Water supply pilot schemes were assisted by organizing the use and maintenance of the public taps by caretaker.

An evaluation was undertaken on the use of demonstration latrines. Latrine program was also supported by distributing information especially in El Fashen where new demonstration latrines were built.

The Solid waste pilot scheme was assisted by providing support to the garbage collectors.

Especially in Kom El Saida / Sedes the construction of the on-site waste water plant and public washing place was assisted by collecting the opinions of the users and by distributing information on the use of the facilities and also by organizing the user groups.

Subcomponent E5 "Monitoring of impacts of the Project on communities"

The achievements should have been that conclusions were drawn and recommendations given on the community participation aspects of WSS schemes on the basis of reliable records of observations and experiences.

Data is collected regularly about the conditions in the families and villages generally during the home-visits. Collected information is discussed in the weekly and monthly meetings and corrective measures made if needed by the Local Unit authorities.

Summaries of the results of the work of LWCs are prepared after each period and analyzed to find out the possible effects of the work.

F. TECHNICAL ASSISTANCE

F.1 The following changes took place in the expatriate team during the reporting period

Ms. Ulla Parviainen, Human Recourse and Community Participation Advisor (HPA) started her work with the Project on 23.1. She worked with the Project up to 22.12.

Ms. Urpu-Liisa Airaksinen, Management and Financial Advisor (MFA) completed her long term contract on 31.1. She will be worked with the Project as short term consultant after that.

Mr. Juhani Efraimsson, Sanitation and Waste Management Advisor (SWA) completed his long term contract with the Project on 16.6.

Mr. Jockum Runeberg, Sanitation and Waste management Advisor (MFA) started his work with the Project on 17.9.

The total number of long term expatriates varied from 3 persons to 5 persons.

F.2 The following expatriates worked with the Project as short term consultants

Mr. Unto Tanttü, Utility Advisor, 2.1 - 9.2

Mr. Jorma Nummenpää, Financial Consultant, 16 - 1.5

Mr. Tapio Tolvanen, Leakage Detection Expert (O&M), 6 - 18.5

Ms. Urpu-Liisa Airaksinen, Management and Financial Consultant, 6 - 28.5 and 19 - 5.10

Mr. Heimo Ojanen, Water Supply Consultant, 13.8 - 17.9 and 5 - 4.12

Mr. Juhani Efrainsson, Sanitation and Waste Management Consultant, 17 - 1.10

Mr. Eero Mäkinen, O&M Consultant, 28.10 - 30.11

Mr. Antti Ala-Kurikka, Electrical Consultant, 4 - 19.11

F.3 The following expatriate worked with the Project as a trainee

Mr. Mikko Siivonen, Technical Trainee (Tampere Technical University, Finland), 20.5 - 20.8

F.4 Permanent staff

The structure of the permanent staff at the end of the year is given below. Total number at the end of the year was 32 persons

Category	Number of persons
Seconded staff	11
Expatriate staff	3
Recruited staff	3
Support staff	<u>13</u>
Total:	30

In addition, one person were working at the office of the associate on part time basis.

The complete list of the Project personnel from the beginning of the Project is as per Annex 3.

G. LOGISTICS AND PROJECT MANAGEMENT

G.1 Beni Suef office

There has been no changes in the office facilities. Only minor, normal repairs and maintenance work has been carried out. The office rooms have been fully utilized through the whole year.

G.2 Cairo office

Project has one office room with needed facilities in the office of the associate, Chemonics, Egypt. This has been utilized occasionally mainly by the expatriates when visiting Cairo.

G.3 Home office

Project secretary was replaced because of her maternity leave starting on 26.8.

G.4 Transportation

One saloon car, Toyota Corolla was purchased on November to be used on long distance travelling such as Cairo. No other changes in the fleet of vehicles. Project has 7 Toyota Corolla saloon cars and 2 Toyota pick-up vehicles. One of pick-ups is used by the Sumusta Local Unit for water supply maintenance works only. One of saloon cars was handed over to National Director on December to be used for RWS&S Project's official site visits and works only.

G.5 Accommodation of expatriates and guest flat in Cairo

The Project occupied three flats in Beni Suef and one in Maadi, Cairo to accommodate the expatriates up to June. The flat in Maadi was handed over on June after Sanitation and Waste Management Advisor finalized his long term contract.

An extra flat was hired on April in Beni Suef to be as a guest house. Later, on December this flat was changed to a more comfortable one closer to the office.

The Project also occupied a guest flat at Aswan Square in Mohandiseen, Giza.

The Project occupied 4 flats in Beni Suef and one in Cairo at the end of the reporting period.

G.6 Committee meetings

The following committee meetings took places:

- Management meetings took places 32 times
 - Progress meetings took places 1 times
 - Coordination Committee meetings took places 4 times on 28.1, 28.3, 1.7, 11.9 and 17.12
 - Steering Committee meetings took places 1 time
- * 22 December; Draft Work Plan 1997 and Draft Budget 1997 were approved for one extension year. These will need also approval of Ministry for Foreign Affairs,

Department of International Cooperation, Helsinki.

G.7 Other meetings

Representative of the Project participated in the following main meetings:

- General meeting in the Governorate on 7.2
- Coordination meeting of consultants in NCWCP in Cairo on 15.2
- Country negotiations between Finland and Egypt on 11.3
- Special meeting in the Governorate on 2.4
- Dutch seminar in Fayoum on 10.4
- USAID seminar in Beni Suef water plant on 28 - 29.5
- Nordic Business meeting in Cairo on 28.5
- DAG Subgroup (water sector) meeting in Cairo on 12.6
- Water sector donor meeting in the Ministry of Works in Cairo on 16.6
- Steering Committee meeting of USAID project on 18.9

G.8 Evaluation and appraisal team

The team visited Egypt during the period on 23.9 - 14.10. They worked in Beni Suef during the period on 24.9 - 12.10. The team was accommodated in Auberge, Fayoum and they travelled to Beni Suef when needed. The team was as follows:

- * Mr. Heikki Wihuri, Program Officer and Team Leader
- * Mr. Richard Middleton, Consultant, Water Supply and Institutional Specialist
- * Ms. Mary Boesweld, Socio-Economic and Gender Specialist
- * Dr. Wafaa Amer, Cairo University

and

- * Dr. Abdellatif, Consultant in Beni Suef Governorate
- * Mr. Hassan El Banna, General Manager of Housing Department

Dr. Wafaa Amer was nominated to be a member of the team by the Embassy of Finland in Cairo from 26.9.

Dr. Abdellatif and Mr. Hassan El Banna were nominated by H.E., the Governor of Beni Suef from 30.9.

The Project participated in the following main meetings hold in Beni Suef:

- Meeting with H.E., the Governor on 26.9
- Orientating meeting with all parties concerned 26.9
- Workshop on 7 - 8.10

Regional Water Supply and Sanitation Project in Beni Suef Governorate

- Debriefing in Beni Suef on 12.10
- Debriefing in the Embassy of Finland in Cairo on 13.10
- Debriefing in the Ministry of Foreign Affairs, Department of International Cooperation, Helsinki on 28.10.

G.9 Missions to the Project in 1996

There have been several missions to the Project during the year 1996 and below are the main ones.

- Mr. Edward Attalla Boulos, CARE in Fayoum visited the Project on 5.2
- Mr. Jeffrey E. Hendrich, Team Leader of USAID project in Beni Suef, Fayoum and Miniya visited the Project on 5 and 23.3 and 20.5
- Solid waste information to markaz chiefs on 1.4 in the Project office
- Mr. Jack Weber, Financial and Institutional Specialist of USAID project visited the Project on 1 and 24.4
- Mr. Lathy Mohamed Adel Moghis, Undersecretary of Finance and Mr. Adly Farid Saad, Director of Finance visited the Project on 20 and 24.4
- Delegate from USAID visited El Fashen solid waste management on 21.5
- Mr. Mohammed Abdel Aziz Sharabash, Mayor of Beni Suef City visited the Project on 3.6

G.10 Missions from the Project in 1996

There have been several missions from the Project during the year 1996 and below are the main ones.

- Sanitation sector visited Fayoum Drinking Water Project on 20.3
- Sanitation sector visited Moqattam area on 18.4
- LWCs of the Project visited Fayoum Drinking Water Project on 19.6
- HCA visited Social Fund for Development on 23.9

G.11 Special occasions

There have been two special occasions during the year as follows:

- H.E. the Governor inaugurated Composting site in El Fashen on 26.3.
- H.E. the Governor and H.E. the Ambassador of Finland inaugurated certain activities in Sumusta city on 8.7
- H.E. The Governor participated in the seminar on "Establishing the Economical General Authority in Beni Suef Governorate" conducted by the RWS&S Project on 16 - 18.7
- Draft project Document 97 - 99, Phase II was submitted to the Governorate on 22.8

- H.E., the Governor visited Finland with PRO on 23.8 - 3.9
- Mapping seminar took place in the Governorate on 19.9
- Draft WorkPlan 97 was submitted to the Governorate on 12.12

G.12 Project management

There have been several visits and occasions that can be considered as being part of the Project management during the year as follows:

- Mrs. Laura Kansikas-Debraise, Desk Officer and Mr. Esa Hurtig, Counsellor visited the Project on 10.1
- H.E. Mohamed Sabrey El Kadi was nominated to the Governor of Beni Suef on January. H.E., the Governor is also the chairman of the Steering Committee of the RWS&S Project
- H.E. the Governor, Mr. Mohamed Sabrey El Kadi and Mr. Esa Hurtig, Counsellor of Economic Cooperation, participated Ramadan breakfast (Eftar) with the Project staff on 30.1
- Mrs. Marjatta Rasi, Ambassador, Ms. Laura Kansikas-Debraise, Desk Officer, Mr. Esa Hurtig, Counsellor and DR. Risto Pomoel and Dr. Elsaied Hamood of PHC Project visited the Project on 13.3
- Ms. Satu Salkola, Project Secretary in Helsinki visited the Project on 1 - 8.3
- Mr. Esa Ovaskainen, Home Office Coordinator visited the Project on 9 - 24.4, 6 - 12.9 and 19.11 - 4.12
- Mr. Esa Hurtig, Counsellor finalized his contract in Egypt on 24.5
- Mr. Olli Sotamaa, Counsellor visited the Project on 17.9. Mr. Sotamaa started his work as a counsellor on 1.8
- Mrs. Laura Kansikas-Debraise, Desk Officer was replaced by Mrs. Ulla-Maija Nevalainen on 29.7
- Mrs. Ulla-Maija Nevalainen, Desk Officer was replaced by Mr. Leo Olasvirta on 15.9
- Mr. Hannu Vikman, Water Sector Advisor visited the Project on 24 - 27.9
- Mr. Leo Olasvirta, Desk Officer and Mr. Olli Sotamaa, Counsellor visited the Project on 17.11

1.2 FINANCIAL PERFORMANCE

GOF contribution

The Ministry for Foreign Affairs, Department of International Cooperation, Helsinki has allocated for this extension year 1996 FIM 10.400 million as per the Steering Committee meeting on 20th December 1995. The allocation mentioned before is totally funds that hasn't been able to be used during the Project life time. No extra allocation was needed from the GOF

side.

Disbursements by the quarters of the year have been as follows.

Quarter	Disbursements (FIM million)	Budget 96 (FIM million)	Disbursements % of the Budget 96
I/96	1.792	3.341	59.3
II/96	2.334	3.226	72.3
III/96	1.809	2.223	81.4
IV/96	<u>2.928</u>	<u>1.610</u>	<u>181.9</u>
Total:	8.867	10.400	85.3

Totally 85.3 per cent of budgeted funds were used.

Extension of the Project for the year 1996 was discussed by the Steering Committee already on 25th May 95 and again in December 1995. The Project prepared with close cooperation the seconded staff of the Project and the Governorate a draft Project Document 96. It was agreed that year 1996 will be only an extension year and new Project document is not needed. The draft WorkPlan 96 and draft budget 96 were approved by the Steering Committee on 20th December 95. The WorkPlan 96 and the budget 96 were approved also by the Ministry of Foreign Affairs, Department of International Cooperation, Helsinki. There were no need for any new money allocation from the GOF.

GOE contribution

GOE has allocated for this extension year 1996 EGP 4.118 million as per the Steering Committee meeting on 20th December 1995. The allocation mentioned before is totally funds that hasn't been able to be used during the Project life time. No extra allocation was needed also from the GOE side.

Quarter	Disbursements (EGP million)	Budget 96 (EGP million)	Disbursements % of the Budget 96
I/96	0	1.080	0
II/96	0.300	1.190	25.2
III/96	0.220	0.990	22.2
IV/96	0.263	<u>0.858</u>	<u>30.7</u>
Total:	0.783	4.118	19.0

Only less than a fifth of the budgeted funds were used because of the delays in investments (pilot schemes). This means mainly the delay of the Mazoura waste water collection system. The tender procedure of this scheme was cancelled because of receiving far too expensive tenders (about EGP 12 million).

The funds have been used mainly for purchasing of pipes and fittings for pilot schemes in components A1, A2 and A6 and for implementing of water supply scheme No. 1 in Gezira El Sharqiya, scheme No. 2 in Ghaiada El Sharqiya and scheme No. 3 in Mazoura four villages.

Contribution of the beneficiaries

Beneficiaries have been supposed to allocate for this year 1996 EGP 0.647 million as per the Steering Committee meeting on 20th December 95 when approving an extension of one year. The allocation mentioned before is totally funds that hasn't been able to be used during the Project life time. No extra allocation was supposed also from the beneficiaries side.

Quarter	Disbursements (EGP million)	Budget 96 (EGP million)	Disbursements % of the Budget 96
I/96	0.005	0.080	6.3
II/96	0.020	0.150	13.3
III/96	0.050	0.200	15.0
IV/96	<u>0.045</u>	<u>0.217</u>	<u>20.7</u>
Total:	0.120	0.647	18.5

Only less than fifth of the budgeted funds were used, mainly from revenue collection in El Fashen solid waste management. Some funds were used also for latrine program in El fashen villages.

2. PROBLEMS

2.1 Problems encountered and corrective measures and their influence on the work plan

Problems encountered in different components have been discussed in section 1, "Achievements during the year in components A to E" above. Slow progress was the general problem of the Project especially in pilot schemes. The quality control with consultants and with contractors should need more efforts. When the contractors are financed by the GOE and managed by the local authorities, it is very difficult or even impossible for the Project to follow the real actions and the quality control may not be the best.

One design assignment (Waste water system in Mazoura) has failed because the consultant estimated wrongly the total cost of the scheme and the tender procedure was stated and finalized before cancelling. The redesign have to be done and this will require more time also when repeating the tender procedure. Anyway, this is the only possibility.

Slow progress of the implementing contracts have caused some delays in implementing procedures. Developing of institution and methods of designing, contract documentation and contracting have been considered as an essential part of the Project targets. That was why the tendering stages of pilot schemes were delayed. The implementation stages were delayed also mainly because the contractors are not able to estimate their time requirements.

There have been a lot of misunderstanding about the quality of the borehole water in Sumusta. This has caused extra sampling and laboratory tests and also more funds have been needed. The problem has been more social and not so much technical. The Project has prepared several reports and proved very clearly that the claims are not true and valid.

Draft Project Document for Phase II was prepared for the Evaluation and Appraisal team in September for the appraising the document. The draft Project Document was postponed because of the Team proposed only one more extension year instead of II Phase.

2.2 Problems which may arise during the next reporting period

Steering committee approved draft WorkPlan 96 and draft budget 96 on 22.12.96 and this need also the approval of the Ministry of Foreign Affairs, Department of International Cooperation, Helsinki.

The pilot scheme in component A6 "Waste Water Collection" will be tendered again. The designs must be revised and this will take some time. It may be that the evaluation process may be finalized not before third quarter of the year.

The problem with the quality of the borehole water in Sumusta has caused work during year 96. This problem should be solved and finalized at the very beginning of the year 97 or otherwise it might disturb other activities in a very dramatic way.

The smooth progress of the establishment of EGA is very essential and important issue for the II Phase and for the future of the Project. This may not be failed and certain fixed results should be achieved before the next visit of Evaluation and Appraisal Team.

II Phase, meaning most probably years 98 - 2001 is highly depend on the activities during the next year. This include the activities of the Project but also the status of the establishment of new EGA. If there is no solid base for EGA the whole future of the Project may be jeopardized.

Preparing of draft Project Document for the II Phase (years 98 - 2001) may be time consuming. Who will prepare it;

- * seconded staff with cooperation of the Governorate
- * the Consultant of the Project alone

* the Consultant of the Project with close cooperation of its Egyptian counterparts
or * special consultant or consultancy team?
This should be decided as soon as possible to reserve resources and time for this task.

3. SIGNIFICANT CHANGES IN THE WORKING CONDITIONS

3.1 Changes during the reporting period

The major change was the extension of the Project for the year 1997 proposed by the Evaluation and Appraisal Team and approved by the Steering Committee. It was expected to commence the II Phase and not one more extension year.

Some changes has taken places in the Project management. During the reporting period, both Desk officer (twice) and Counsellor Economic Cooperation in the Finnish Embassy in Cairo were changed.

H.E., the Governor of Beni Suef were changed also in January.

No other significant changes were encountered during the reporting period

3.2 Changes expected during the next reporting period

During the next reporting period the decisions of the second phase should be done. Some changes are expected also in the technical assistance team and the Project staff.

3.3 Influence on the Work Plan

The changes, especially the decision of the II Phase will effect the work very much. This may have great effect on the sustainability of the Project achievements and working attitude of the Project staff.

4. SIGNIFICANT CHANGES IN THE PROJECT ENVIRONMENT

4.1 Economics in the national and regional level

Any significant changes haven't been seen in economics in national or in regional level in Beni Suef Governorate.

It has been mentioned several times by the regional level, the Governorate that more funds could be allocated only to the investments of the Project if needed.

4.2 Sectoral review

There have been no significant changes in sectoral review in the Beni Suf Governorate.

4.3 Government financing policies

There have been no changes after the first Steering Committee meeting at the end of 1993 when the Egyptian contribution was changed to be all only for investments, being components A1 to A7.

The representatives of the Governorate of Beni Suf have mentioned several times that there might be more money allocation from their side, but this is only for investments, being components from A1 to A7.

Because of delayed disbursement of the GOE funds there is always a slight possibility at the end of the fiscal year (30 June) when the funds allocated to the Project but not used, will be cancelled and when the same amount will be allocated again for the Project, that some problems might arise.

4.4 Foreign aid

Provincial Cities Development Project & Institutional Support & Technical Assistance Project financed by the USAID has been continued up to September 96. This need a close cooperation with USAID consultants and relevant staff. This has also effected to our WorkPlan and the RWS&SP is concentrating more to the markaz level instead of Governorate level.

4.5 Availability of foreign exchange

There is no shortage of foreign exchange because

- the foreign currency needed comes from the Finnish contribution to the Project
- and
- most of the materials needed are available locally in Beni Suf or in Cairo.

The only needs for foreign currency is technical assistance, international travelling and accommodation and some purchasing of certain materials. Local currency can be also transferred into foreign currency.

5. LESSONS LEARNED

The social factor is more important in the Project than has been realized before. This means that

the Project should inform (introduce) its activities on regular basis also for the political decision makers inside the markaz where the activities take places. The Project cannot rely too much on the local officials even if they are seconded to the Project part or full time.

It has been proved out that the commitment of the Governorate and local units staff to the activities and cooperation with the Project could be even better. They cannot realize that the system may be totally different after some years and everything, even technical and staff matters should be considered money wise.

When thinking to reduce the number of the "extra" staff when changing to the new EGA or when some member or members of the staff turned out to be incompetent for their task it has been found to be very big social risk. The overmanning problems may be solved only during the time.

The Project will be too easily proposed some new urgent activities by the governorate or local unit officers. This kind of requests may create a totally new activities that may need special short term consultancies. Concerning purchasing some items, materials, hiring some services or signing small scale contracts, especially local units have an idea, that the Project should do these kind of activities because they can allocate more faster and easily money than the Governorate.

There should be some possibilities to utilize the GOE funds for the a/m purchasing or small scale contracts more easily. It may happened like in our case that the GOE funds will be used at the very last stage and GOF funds will be used all the time.

Supervision of the schemes may be difficult when the scheme will be implemented with GOE funds. This means that the follow up even if the newly created contracting and supervising systems will be followed. This is also difficult for the quality control point of view.

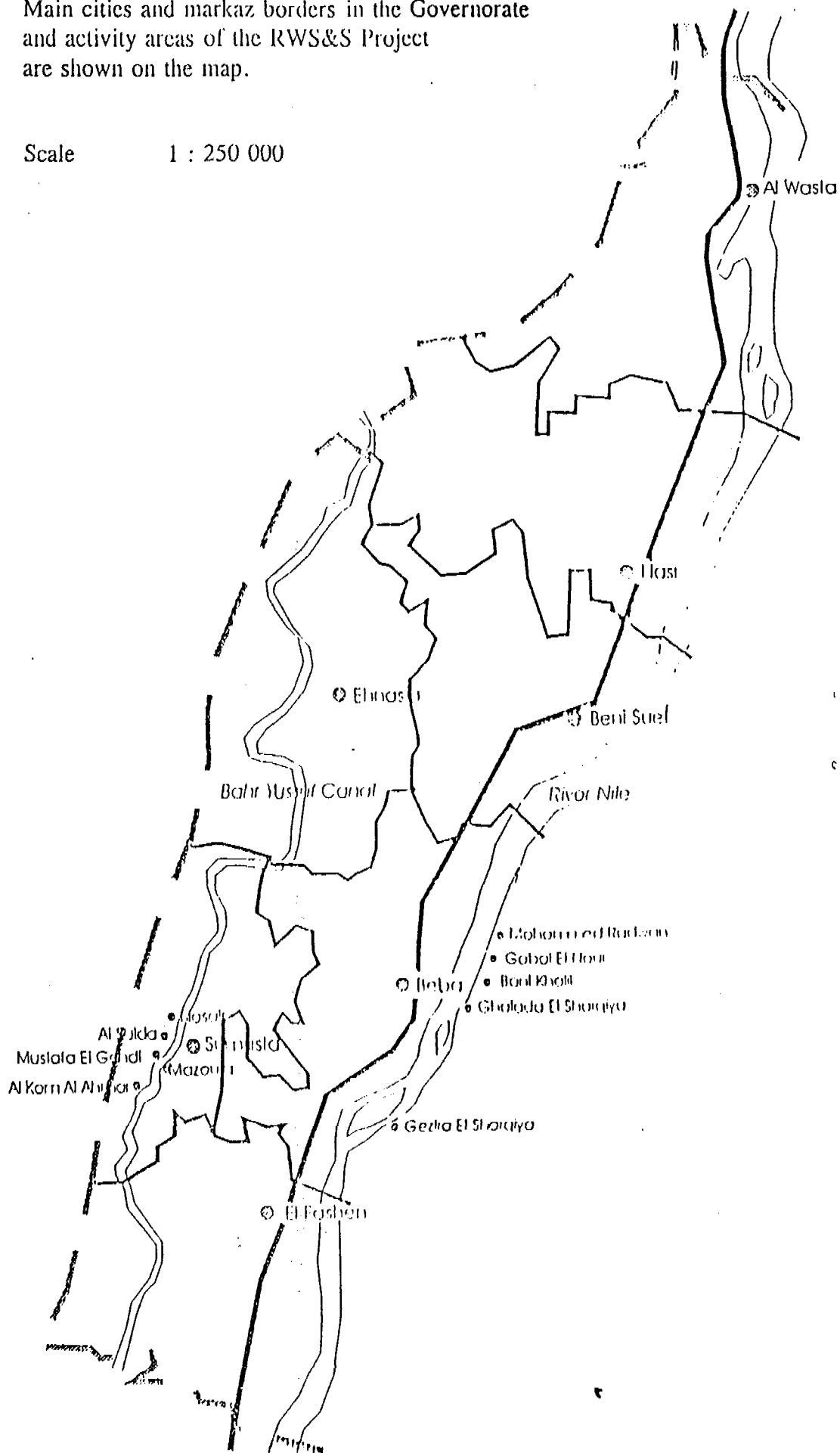
PROJECT FACT SHEET

- Project Title:** Regional Water Supply and Sanitation Project in Beni Suf Governorate
- Project Number:** 142 052 02-8
- Sector:** Water Supply and Sanitation
- Geographical Coverage and Project Site:** Egypt, Beni Suf Governorate, Districts of Al-Fashen, Beba and Sumusta
- Duration:** 41 Months (including one year extension)
- Starting Date:** August 1, 1994
- Project Financing:**
- | | |
|-------------------|--|
| Total | FIM 36.5 million |
| Recipient Country | FIM 8.0 million equal EGP 5.28 million |
| FINLAND (Total) | FIM 27.0 million |
| - grant | FIM 27.0 million |
| Beneficiaries | FIM 1.5 million equal EGP 0.99 million |
- Competent Authorities:** Governorate of Beni Suf
Ministry for Foreign Affairs, Department of International Cooperation, Helsinki
- Institutional Framework:**
- Recipient Country's Implementing Agency:
Housing department of Beni Suf Governorate
- Development assistance services by Ministry for Foreign Affairs, Department of International Cooperation, Helsinki:
- consultant: Plancenter Ltd in Association with Chemonics Egypt and NSCE, North South Consultants Exchange as subconsultants
 - technical assistance: Provided by the consultant
- Arrangement for Co-ordination of Project Implementation:**
- Within the Recipient Country:
Governorate Level Coordination Committee
- Within the Recipient Country and Ministry for Foreign Affairs, Department of International Cooperation, Helsinki:
Steering Committee

MAP OF BENI SUEF GOVERNORATE

Main cities and markaz borders in the Governorate and activity areas of the RWS&S Project are shown on the map.

Scale 1 : 250 000



MANNING SCHEDULE

Annex 3

PROJECT STAFF

Position	Name	From	To
SUPPORT STAFF			
* Accountant	Amira Hassan Farwies	01.11.1993	
* Executive Secretary	Reem Ahmed Galal	01.01.1994	30.06.1994
		01.10.1994	
* Executive Secretary	Gehan Ramadan	01.07.1994	
* Cashier	Reham Omar Bakiesh	01.04.1994	31.05.1994
* Secretary	Gehan Barsoum Tawfik	01.03.1994	
* Interpreter	Mohamed El Kashef	01.05.1994	17.11.1994
* Chemist	Dina Omar Bakiesh	01.04.1994	31.12.1995
* Translator	Siham Abdel Sabour	01.04.1994	30.04.1994
* Translator	Abdel Hamied Abdel Mottaleb	01.06.1994	
* Public Relations	Mahmoud Abdel Megied	01.08.1994	20.02.1995
* Typist	Gaklien Lawindy	01.05.1994	30.06.1994
* Typist	Amal Abdel Aziz Sherief	01.06.1996	
* Accountant Assistant	Tanja Ruohonen	24.06.1996	05.08.1996
* Office-girl 4rd Floor	Mansoura Saber	01.11.1994	
* Office-girl 3rd Floor	Zienab Foud Ahmed	01.01.1994	31.07.1994
* Office-girl 3rd Floor	Neema Mahmoud	15.08.1994	
* Guard / Gardener	Quorany Tawfik	01.11.1993	
* Driver Supervisor	Massry Abdel Salam	21.12.1993	
* Driver	Adel Abdel Hakam	21.09.1994	30.04.1996
* Driver	Osman Abdallah Ahmed	15.01.1994	
* Driver	Salah Ali Kilany	01.02.1994	30.09.1994
		05.02.1995	18.04.1996
		20.08.1996	
* Driver	Khaled Ibrahim Abdel Gawad	01.02.1994	
* Driver	Altef Muries Girgis	26.05.1996	26.12.1996

MANNING SCHEDULE

PROJECT STAFF

Position	Name	From	To
SECONDED STAFF			
* National Director	Mr. Hossien Samy Dawoud	14.04.1993	15.11.1995
* National Director	Mr. Houssien Abdel Quawi Mohamed	1.12.1995	
* Chief Engineer, Design	Mr. Hassan Abdel Atty	25.01.1994	
* Chief Engineer, Rehabilitation	Mr. Raouf Gergis Mikhael	25.01.1994	10.12.1994
* Chief Engineer, Waste Water	Mr. Anwar Mohamed Manaf	10.04.1995	
* Chief Engineer, Construction	Mr. Mohamed Nagi	25.01.1994	
* Solid Waste Specialist & Environment Engineer	Mr. Mohamed Soliman Abdel Hafiez	25.01.1994	
* Community Participation Specialist	Ms. Fayza Abdel Rahman	01.10.1994	
* Mechanical Engineer	Mr. Adel Abu Taleb	25.01.1994	
* Electrical Engineer	Mr. Hassan Anwar	25.01.1994	
* Workshop Manager	Mr. Fayez Eskandar Fayez	25.01.1994	
* Administration Assistant	Ms. Amal Abdel Hamied El Badawi	20.11.1995	28.03.1996
* Chemist	Ms. Dina Omar Bakish	01.01.1996	
* Training Specialist	Mr. Ahmed Taha Abdellatif	01.02.1996	
<i>Seconded Staff are working 3 days a week on project related subjects</i>			
BENI SUEF LIAISON OFFICE			
* Liaison Officer	Mr. Mohamed Said Salem	01.03.1994	
* National Director Assistant	Mr. Tossou Abd Ellatif Mohamed	15.11.1995	
* Day Shift Office-Boy	Mr. Said Mahmoud Ahmed	01.03.1994	31.07.1994
		01.03.1995	15.11.1995
* Day Shift Office-Boy	Mr. Loully Mohamed Riyad All	15.11.1995	
<i>Liaison Office Staff are working on shared-time basis in project related subjects.</i>			
LONG - TERM EXPATRIATES			
* Project Coordinator	Mr. Tauno Arola	02.08.1993	17.03.1995
* Project Coordinator & Water Supply Advisor	Mr. Pentti Ruohonen	11.12.1994	
* Management & Financial Advisor	Ms. Urpu-Liisa Airaksinen	15.01.1994	30.01.1996
* Water Supply Advisor	Mr. Arto Kuitinen	09.09.1993	31.12.1994
* Sanitation and Waste Management Advisor	Mr. Juhani Efrainson	09.08.1993	20.06.1996
* Sanitation and Waste Management Advisor	Mr. Jockum Runeberg	17.09.1996	
* Operation & Maintenance Advisor	Mr. Jukka Leppanen	15.01.1994	
* HRD & Community Participation Advisor	Ms. Ulla Parviainen	22.01.1996	22.12.1996
LONG - TERM RECRUITED STAFF			
* Administrator	Mr. Saad Radwan	01.07.1993	
* Water Supply Expert	Mr. Ahmed Refaat (1)	01.10.1993	01.07.1995
* Sanitation Expert	Mr. Mounir Housni (1)	01.11.1993	01.02.1995
* Sector Planning Expert	Mr. Mohamed El Nadi El Houssieny	09.10.1995	
* Training Expert	Mr. Michel Soliman	01.09.1993	30.11.1995
* Community Participation Expert	Ms. Wafaa Bahgat	01.10.1993	
<i>(1) Mr. Refaat and Mr. Mounir are working on half-time basis</i>			

MANNING SCHEDULE

PROJECT STAFF

Position	Name	From	To
PART - TIME CONSULTANTS			
* Senior Management Consultant	Dr. Ahmed Gaber	01.08.1994	
* Senior Community Participation Consultant	Ms. Zohra Merabet	01.08.1993	
* Project Management Consultant	Mr. Mohamed Ashmawy	01.08.1993	
* Home Office Coordinator	Mr. Esa Ovaskainen	01.08.1993	
* Home Office Secretary	Ms. Toire Ylostalo	01.08.1993	06.05.1994
* Home Office Secretary	Ms. Satu Salkola	07.05.1994	26.08.1996
* Home Office Secretary	Ms. Sirkku Koivisto	27.08.1996	
SHORT - TERM CONSULTANTS			
* Sectoral Planning Consultant	Mr. Osmo Purhonen	14.03.1994	13.04.1994
* Environmental Consultant	Mr. Pasi Lehmusuoto	14.03.1994	13.04.1994
* Leak Detection Expert	Mr. Tapio Tolvanen	15.06.1995	23.06.1995
		6.05.1996	18.05.1996
* Community Participation & Training Expert	Ms. Ulla Parvanen	03.08.1995	20.08.1995
* Electrical Engineer	Mr. Antti Ala-Kurikka	18.09.1995	02.10.1995
		4.11.1996	19.11.1996
* Twinning Expert	Mr. Eero Makinen	13.11.1995	16.12.1995
		28.10.1996	30.11.1996
* Utility Advisor	Mr. Unto Tantt	02.01.1996	09.02.1996
* Economist	Mr. Jukka Nummenpaa	16.03.1996	01.05.1996
* Management & Financial Advisor	Ms. Urpu-Liisa Airaksinen	6.05.1996	28.05.1996
		19.09.1996	05.10.1996
* Technical Trainee	Mr. Mikko Siivonen	20.05.1996	20.08.1996
* Water Supply Consultant	Mr. Heimo Ojanen	13.08.1996	17.09.1996
		5.11.1996	4.12.1996
* Sanitation and Waste Management Advisor	Mr. Juhani Efraimsson	17.09.1996	01.10.1996

REGIONAL WATER SUPPLY AND SANITATION PROJECT
IN BENI SUEF GOVERNORATE

CUMULATIVE LIST OF REPORTS ISSUED BY THE PROJECT

Project Workplans

1. Workplan August-December 1993, October 1993. Also in Arabic.
2. Draft Workplan 1994, November 1993. Also in Arabic.
3. Workplan 1994, February 1994. Also in Arabic.
4. Workplan 1995, December 1994. Also in Arabic.
5. Workplan 1996, December 1995. Also in Arabic.
6. Workplan 1997, December 1996. Also in Arabic.

Progress Reports

1. Monthly Progress Report, July-August 1993. Also in Arabic.
2. Monthly Progress Report, September 1993. Also in Arabic.
3. Annual Progress Report 1993, February 1994.
4. Quarterly Progress Report I/94, January-March 1994, May 1994.
5. Quarterly Progress Report II/94, April-June 1994, July 1994.
6. Monthly Progress Report 8/94, July-August 1994, September 1994. Also in Arabic.
7. Quarterly Progress Report III/94, July-September 1994, October 1994. Also in Arabic.
8. Monthly Progress Report 11/94, October-November 1994, December 1994.
9. Annual Progress Report 1994, January 1995.
10. Monthly Progress Report January 1995, February 1995.
11. Monthly Progress Report February 1995, March 1995.
12. Quarterly Progress Report I/1995, April 1995.
13. Monthly Progress Report April 1995, May 1995.
14. Monthly Progress Report May 1995, June 1995.
15. Quarterly Progress Report II/1995, July 1995.
16. Monthly Progress Report July 1995, August 1995.
17. Monthly Progress Report August 1995, September 1995.
18. Quarterly Progress Report III/1995, October 1995.
19. Monthly Progress Report October 1995, November 1995.
20. Monthly Progress Report November 1995, December 1995.
21. Annual Progress Report 1995, February 1996
22. Monthly Progress Report January 1996, February 1996. Also in Arabic.
23. Monthly Progress Report February 1996, March 1996. Also in Arabic.
24. Quarterly Progress Report I/96, January-March 1996, May 1996. Also in Arabic.
25. Monthly Progress Report April 1996, May 1996. Also in Arabic.

26. Monthly Progress Report May 1996, June 1996. Also in Arabic.
27. Quarterly Progress Report II/96, April-June 1996, September 1996. Also in Arabic.
28. Monthly Progress Report July 1996, September 1996. Also in Arabic.
29. Monthly Progress Report August 1996, September 1996. Also in Arabic.
30. Quarterly Progress Report III/96, July-September 1996, 1996. Also in Arabic.
30. Monthly Progress Report October 1996, November 1996. Also in Arabic.
31. Monthly Progress Report November 1996, January 1997. Also in Arabic.

Financial Reports

1. Quarterly Financial Report III+IV/93, July-December 1993, April 1994.
2. Quarterly Financial Report I/94, January-March 1994, June 1994.
3. Quarterly Financial Report II/94, April-June 1994, July 1994.
4. Quarterly Financial Report III/94, July-September 1994, Version 2, October 1994.
5. Quarterly Financial Report IV/94, October-December 1994, January 1995.
6. Quarterly Financial Report I/95, January-March 1995, April 1995.
7. Quarterly Financial Report II/95, April-June 1995, July 1995.
8. Quarterly Financial Report III/95, July-September 1995, October 1995.
9. Quarterly Financial Report I/96, January-March 1996, May 1996
10. Quarterly Financial Report II/96, April-June 1996, September 1996
11. Quarterly Financial Report III/96, July-September 1996, November 1996
12. Quarterly Financial Report IV/96, October-December, March 1997

Technical Reports

1. Report on the water supply to Sumusta City, November 1993.
2. Report on the Project orientation Workshop, November 14-15, 1993. Also in Arabic.
3. Computer Map of Beni Suef Governorate made for Plancenter, Reference and data listing. North South Consultant Exchange, December 1993.
4. Report on the First Orientation Workshop for Local Women Representatives and Coordinators from Beba, Sumusta and El Fashen Districts, March 1994.
5. Sector Development Plan, Report of the Short Term Consultant Osmo Purhonen, April 1994.
6. Living conditions and the environment in relation to the water supply, sanitation, sewerage and solid waste management program, Report of the Short Term Consultant Pasi Lehmusluoto, May 1994.
7. Options for the solution of increasing storage capacity of the Sumusta water supply system, July 1994.
8. Report on the options available for the rehabilitation of the water supply system of Sumusta City, August 1994.
9. Community Participation in Water Supply and Sanitation Projects in Egypt. A preliminary assessment of the community participation component in five water

- supply and sanitation projects in Egypt. NSCE July 1994.
10. Draft Report. Identification of behavioral aspects and willingness and ability to pay for water supply and sanitation services. NSCE April 1994.
11. Disposal of Gray Wastewaters Through Evapotranspiration. Mohammed Saiyed Abd El Hameed, February 1995.
12. Report on testing of leak detection equipment and methods to be used in Sumusta. Tapio Tolvanen, June 1995.
13. Revision of the system for collecting and reporting community participation data. Short term consultant Ulla Parviainen August 1995.
14. Report of the short term visit to RWSS Project, Beni Suef. Short term consultant Antti Ala-Kurikka, September 1995.
15. O&M Consultants report I. Findings and recommendations of a survey of water sector units in Sumusta Markaz 13.11.-16.12.1995. Eero Mäkinen, December 1995. Also in Arabic.
16. O&M Consultants report II. Immediate physical improvements, working procedures, training 13.11.-16.12.1995. Eero Mäkinen, December 1995. Also in Arabic.
17. Summary of findings and recommendations regarding village water stations and workshops. Report of the O&M consultant, Mr. Eero Mäkinen, December 1995. Also in Arabic.
18. Report of the Utility Advisor on management information system, revenue collection system and reduction of physical losses 2.1 - 9.2.1996. Unto Tanttö, February 1996. Also in Arabic.
19. Findings and recommendations on developing water supply in Sumusta 2.1 - 9.2.1996. Unto Tanttö, February 1996. Also in Arabic.
20. Appraisal of financial statement in Sumusta markaz. Jorma Nummenpää, May 1996. Also in Arabic.
21. Report of implementation of public washing place and waste water disposal and treatment system at Kom El Saida ezba, Beba. Mikko Siivonen, August 1996
22. Report on the evaluation of the demonstration latrine programme. Ulla Parviainen, September 1996. Also in Arabic.
23. Sector Planning. Draft report of the short term consultant Mr. Heimo Ojanen, September 1996
24. Report of the Electrical Consultant, November 1996
- 25-29. Rehabilitation of Compact Unit Type Water Treatment System in Sumusta, Follow-up Reports No. 1-5, August-December 1996

Other Reports

1. Internal Evaluation. Draft Report, November 1994.
2. Project Document 1996. Draft. April 1995.
3. Institution Seminar, Seds, Beba, Beni Suef 26-27 March 1995, July 1995. Also in Arabic.
4. General View on Ongoing Activities, July 1996. Also in Arabic.
5. Seminar on Establishment of Beni Suef Water and Wastewater General Economic Authority in Beni Suef Governorate, 16 - 18 July. August 1996. Also in Arabic.

6. Seminar on Establishment of Beni Suf Water and Wastewater General Economic Authority, Case Study. August 1996. Also in Arabic.
7. Seminar on Establishment of Beni Suf Water and Wastewater General Economic Authority, Final Report on the Seminar. August 1996. Also in Arabic.
8. Draft Project Document, Phase II, 1997-2000, August 1996. Also in Arabic.
9. Report of the twinning in Finland, October 1996

LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
D.1.94	Survey works for Mazoura village wastewater system	A6.30.551	Misr Consulting Engineers	57,583.70	31.May.1994	11.Aug.1994
I.2.94	Implementation works of four experimental wells located in Beba and Sumusta Marakez	A2.30.511	Gamal Saber Abdel Gawad Contracting	Bill of quantities / price list	7.Jul.1994	6.Sep.1994
L.3.94	Delivery of 40 cover slabs at Beba Markaz	A5.20.541	Ahdy Adly Yuwaqim	3,200.00	17.Aug.1994	1.Sep.1994
I.4.94	Implementation works of four experimental wells located inside Sumusta city	A1.30.503	Gamal Saber Abdel Gawad Contracting	Bill of quantities / price list	7.Sep.1994	19.Dec.1994
L.5.94	The supplying of 30 public tap elements	A2.30.511	Gamal Saber Abdel Gawad Contracting	Bill of quantities / price list	7.Jul.1994	6.Sep.1994
S.6.94	Preparation of hydrogeological studies on deep wells in Beni Suef Governorate	B1.60	Ashraf Farouk	7,000.00	31.Oct.1994	15.Mar.1995
L.7.94	Delivery of 40 cover slabs at Beba, El-Fashn and Sumusta Marakez	A5.20.541	Ahdy Adly Yuwaqim	2,600.00	2.Nov.1994	15.Dec.1994
D.8.94	Survey works at El-Geziera El-Sharqiya Village	A4.30.531	CADEC	29,000.00	28.Nov.1994	15.Mar.1995
I.9.94	Test pumping works and services of six experimental wells located in Sumusta city	A1.30.503	Gamal Saber Abdel Gawad Contracting	Bill of quantities / price list	1.Dec.1994	1.Jan.1995
S.10.94	Study on disposal of gray wastewater through evapotranspiration	B1.60	Mohamed Sayed Abdel-Hameed	11,000.00	7.Dec.1994	7.Feb.1995

LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
I.11.95	Renovation of the office room in Sumusta	A1.20.504	El Fath Company for Contracting & Engineering	4,592.00	10.Jan.1995	15.Feb.1995
D.12.95	Design and supervision the rehabilitation of two compact units and the design of new intake structures for Sumusta city water treatment plant	A1.30.503	Misr Consulting Engineers	15,000.00	15.Jan.1995	
D.13.95	Design ground water intake, transmission lines and distribution network for four villages in Sumusta Markaz	A2.30.505	EHC, El-Hattab Consulting Engineers	43,000.00	24.Jan.1995	
D.14.95	Design works for Mazoura village wastewater system, Sumusta Markaz	A5.30.531	Dr. Ahmed Abdel-Warith Consulting Engineers	77,000.00	8.Feb.1995	
L.15.95	Backfilling of the pool in Ghiada El-Sharqiya, Gezira Beba, Beba Markaz	A4-5.20.541	Abdallah Mohamed Hemeida	4,150.00	22.Feb.1995	1.March.1995
S.16.95	Pumping test of the existing deep wells, Hydrogeological Consultancy	B1.60.	Ashraf Farouk	3,500.00	15.Feb.1995	31.Mar.1995
L.17.95	Delivery of 44 cover slabs at Sumusta Marakez	A5.20.541	Khalaf Abdel Ghaffar Ibrahiem	2,640.00	1.Mar.1995	31.Mar.1995
L.18.95	Delivery of six donky carts for solid waste collection, El-Fashn city	A7.20.541	Sayed Mohamed Hassan Zoulf	9,000.00	1.Mar.1995	22.Mar.1995

LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
I.19.95	Renovation of the Storage warehouse in Tal Narouz Water Plant, Beni Suef	A1.30.503	Gamal Saber Abdel Gawad Contracting	3,618.00	7.Mar.1995	21.Mar.1995
I.20.95	Test pumping works and services of three experimental wells located in Sumusta city	A2.30.503	Gamal Saber Abdel Gawad Contracting	6,470.00	7.Mar.1995	15.May.1995
D.21.95	Consultative Services		NOPWASD	30,000.00	14.Mar.1995	31.Dec.1995
L.22.95	Delivery of 80 cover slabs at Sumusta Marakez	A5.20.541	Khalaf Abdel Ghaffar Ibrahiem	4,800.00	2.Apr.1995	1.May.1995
L.23.95	Delivery of (200) pairs of two pieces overalls for solid waste collection workers	A7.50.562	Abdel Aziem Abdel Hamied El Gaby, Trading & Distribution of ready-made clothes / house appliances Company	4,300.00	5.Apr.1995	20.Apr.1995
L.24.95	Repair and modification of two tractor trailers. for solid waste collection at El Fashen	A7.50.562	Mamdouh Nagieb Fahiem, Metal Workshop of El Fashen City	3,000.00	20.Apr.1995	30.Apr.1995
I.25.95	Renovation of the Container Storage in Tal Narouz Water Plant, Beni Suef	C2.10.581	Gamal Saber Abdel Gawad Contracting	13,196.60	20.Apr.1995	21.Jun.1995
D.26.95	Topographic Mapping including ground control survey, aerial photography and digital mapping of number of settlements in Beni Suef Governorate	C2.30.583	FM - International Oy Finnmap	FM 270,000	4.May.1995	
L.27.95	Delivery of two donky carts for solid waste collection, El-Fashn city	A7.20.541	Sayed Mohamed Hassan Zoulf	3,600.00	27.May.1995	20.Jun.1995
L.28.95	Delivery of 80 cover slabs at Mazoura village, Sumusta Marakez	A5.20.541	Khalaf Abdel Ghaffar Ibrahiem	4,800.00	1.Jun.1995	1.Jul.1995

C: Construction, D: Design, S: Studies, I: Implementation, L: Delivery, R: Services

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LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
L.29.95	Delivery of Three donky carts (2 m ³) for solid waste collection, El-Fashn city	A7.20.562	Sayed Mohamed Hassan Zoulf	5,400.00	28.Jun.1995	15.Jul.1995
L.30.95	Delivery of 25 dust bins for Bahr El Azam solid waste collection, El-Fashn city	A7.20.561	Sayed Mohamed Hassan Zoulf	1,000.00	29.Jun.1995	20.Jul.1995
I.31.95	Rehabilitation of Labouratory in Sarnusta Compact Unit, El-Shiekh Abed	A1.20.503	Artif Abdel Hafiez Mohamed	36,058.00	6.Aug.1995	5.Sep.1995
I.32.95	Construction of solid waste store at Al Fashen city	A7.20.562	Magdy Zarieh Mohamed	10,417.70	19.Jul.1995	5.Sep.1995
L.33.95	Delivery of two donky carts (1 m ³) for solid waste collection, El-Fashn city	A7.20.562	Sayed Mohamed Hassan Zoulf	3,000.00	16.Aug.1995	31.Aug.1995
I.34.95	Implementation of Solid Waste Station No. 1 at El Fashen City	A7.20.562	Khalaf Abdel Ghaffar Ibrahiem	11,500.00	30.Aug.1995	15.Sep.1995
I.35.95	Construction of latrien pits for the store in El Fashen	A7.20.562	Khalaf Abdel Ghaffar Ibrahiem	750.00	20.Sep.1995	5.Oct.1995
D.36.95	Survey of the Landfill site of El Fashen city, at Beni Saleh	A7.30.562	Mohamed Nagi	1,500.00	20.Sep.1995	5.Oct.1995
R.37.95	Repair & modification of tractor trailer and manufacturing of hand cart	A7.20.562	Mamdouh Nagieb Fahiem	1,800.00	10.Sep.1995	25.Sep.1995

C: Construction, D: Design, S: Studies, I: Implementation, L: Delivery, R: Services

LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
L.38.95	Manufacture of Sumusta Laboratory furniture	A1.20.503	Magi contractor, Ahmed Samy	25,600.00	29.Oct.1995	7.Dec.1995
I.39.95	Implementation the rehabilitation of Sumusta network	A1.20.503	Misr Contract, Adel Lashin	1,231,810.00	12.Nov.1995	10.Apr.1996
R.40.95	Supervision the implementation of the rehabilitation of Sumusta network	A1.70.503	Adel Abu Taleb	13,800.00	12.Nov.1995	11.May.1996
R.41.95	Supervision the implementation of the rehabilitation of Sumusta network	A1.70.503	Ahmed Abdel Wahed	2,500.00	12.Nov.1995	11.May.1996
R.42.95	Supervision the implementation of the rehabilitation of Sumusta network	A1.70.503	Shaaban Abdel Aziz	1,000.00	12.Nov.1995	11.May.1996
R.43.95	Supervision the implementation of the rehabilitation of Sumusta network	A1.70.503	Ahmed Hashem	1,500.00	12.Nov.1995	11.May.1996
I.44.95	Construction of on-site waste water treatment at El Saaida Ezba	A4.20.542	Youseff Houssien Darwish, Mohamed Soliman	4,544.00	10.Nov.1995	20.Nov.1995
R.45.95	Interpretation of meetings, interviews and training sessions. Translation of reports	C1.40.	Abdel Nagi Aboud Moustafa	1,000.00	19.Nov.1995	21.Dec.1995
L.46.95	Manufacture and modification of three (3) donkey carts	A7.20.562	Sayed Zoulf	2,200.00	26.Nov.1995	13.Dec.1995

LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
L.47.95	Supply of thirty (30) precast public water tap elements	A2.20.511	Gamal Saber Abdel Gawad	10,500.00	19.Dec.1995	18.Feb.1996
L.48.95	Delivery of 200 pcs of overalls for solid waste collectors	A7.20.562	Abdel Aziem Abdel Hamid El Gaiy	4,400.00	17.Dec.1995	7.Jan.1996
R.49.95	Interpretation of meetings, interviews and training sessions. Translation of reports	C1.40.	Abdel Nagi Aboud Moustafa	1,000.00	9.Jan.1996	8.Feb.1996
L.50.96	Manufacture hand cart prototype (-) and manually operated compost screen	A7.10.562	Sayed Zoulf	1,300.00	10.Jan.1996	25.Jan.1996
S.51.96	Ground water resources inventory and surface water inventory in Beni Suef Governorate	B1.60.	Ashraf Farouk, Geologist	31,500.00	15.Jan.1996	15.Jun.1996
I.52.96	Construction of Borehole well in Sumusta city	A1.20.503	GEMCO - Co.	82,400.00	16.Jan.1996	15.Apr.1996
I.53.96	Construction of solid waste transfer station No.3 at El Fashen city	A7.20.562	Magdi Zareh Mohamed	15,167.00	30.Jan.1996	15.Feb.1996
R.54.96	Supervision the construction of the borehole well of Sumusta city	A1.70.503	Adel Abu Taleb	1,150.00	23.Feb.1996	5.Jun.1996
R.55.96	Supervision the construction of the borehole well of Sumusta city	A1.70.503	Ahmed Abdel Wahed	500.00	23.Feb.1996	5.Jun.1996

C: Construction, D: Design, S: Studies, I: Implementation, L: Delivery, R: Services

LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
L.56.96	Delivery/manufacture of five (5) donkey carts for solid waste collection, El Fashen	A7.10.562	Sayed Zoulf	9,000.00	27.Feb.1996	7.Mar.1996
D.57.96	Design of the buildings & other works at Bahe El Azam composting and sorting area, El Fashen	A7.30.561	Mohamed Nagi	1,000.00	24.Mar.1996	7.Apr.1996
C.58.96	Construction of containers network stores in Sumusta city	A1.20.503	Gamal Saber Abdel Gawad	14,377.00	27.Mar.1996	19.Sep.1996
R.58.96	Supervision the implementation of water supply network, scheme No.2 in Ghaiada El Sharqiya, Beba and scheme No.3 in Mazoura, Sumusta.	A2-3.70.512	Hassan Abdel Atty	9,200.00	31.Mar.1996	15.Oct.1996
C.59.96	Rehabilitation of two compact units at El Shiekh Abed water plant, Sumusta city	A1.20.503	Saad Hanna Sons		23.May.1996	15.Nov.1996
D.60.96	Preparation of mechanical drawings of the trommel screen for solid waste management in El Fashen	A7.30.561	Mohamed Nagi	400.00	26.May.1996	10.Jun.1996
C.61.96	Rehabilitation of toilet pits and on-site wastewater disposal system at Al Saaida mousque	A4.20.532	Khalaf Abdel Ghafour Zienhoum	1,120.00	29.May.1996	13.Jun.1996
C.62.96	Construction of 10 toilet pits and 5 on-site wastewater disposal system at Al Saaida mousque	A4.20.532	Khalaf Abdel Ghafour Zienhoum	1,120.00	29.May.1996	13.Jun.1996
R.63.96	Conducting of a play for 7 times including creation, actors, decoration and direction.	E1.60.	Salah Eldin Atries Ibrahiem	8,300.00	26.Jun.1996	14.Oct.1996

LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
L.64.96	Technical design and manufacture of plastic gringing machine with electrical motor (30 Hp) and two plastic washing pools.	A7.30.562	Sayed Mohamed Hassan Zolf	14,900.00	18.Jul.1996	13.Aug.1996
C.65.96	Rehabilitation of the workshop building in old elevated water tank site, in Sumusta city.	A1.20.503	Fat'hi Ali Goda	68,587.00	15.Jul.1996	15.Sep.1996
R.66.96	Supervision and monitoring sampling of surface and ground water including laboratory tests.	B1.50.230	Dina Omar Bakish	3,000.00	18.Aug.1996	31.Aug.1996
L.67.96	Construction of 30 private latrines and delivery of 60 cover slabs at El Fashen city, El Fashen Marakez	A5.20.541	Khalaf Abdel Ghaffar Ibrahiem	5,700.00	26.Sep.1996	1.Dec.1996
L.68.96	Construction of additional 5 private latrines and training local contractors at El Fashen city, El Fashen Marakez. Maintenance of on-site treatment plant at El Saaida Mousque.	A5.20.541	Khalaf Abdel Ghaffar Ibrahiem	3,240.00	13.Oct.1996	15.Dec.1996
R.69.96	Supervision the water supply scheme #2 in Gizira El Sharqiya and #3 in Mazoura four villages.	A3.40.230	Hassan Abdel Atty	3,825.00	4.Nov.1996	31.Dec.1996
R.70.96	Conducting of a play for additional 6 times including creation, actors, decoration and direction.	E1.60.	Salah Eldin Atries Ibrahiem	4,581.00	10.Nov.1996	31.Dec.1996
L.71.96	Modification of feeding system of trommel screen, supervision and training on the use of the screen.	A7.30.562	Sayed Mohamed Hassan Zolf	7,425.00	11.Nov.1996	30.Nov.1996
L.72.96	Maintenance/modification of twenty (20) donkey carts for solid waste collection, El Fashen	A7.10.562	Sayed Mohamed Hassan Zolf	2,600.00	14.Nov.1996	28.Nov.1996

LIST OF CONTRACTS

Contract No.	CONTRACT	Component Code	CONTRACTOR	Amount (EGP)	Signature Date	Completion Date
L.73.96	Supply of fifteen (15) precast public water tap elements	A3.10.511	Gamal Saber Abdel Gawad	7,500.00	14.Nov.1996	14.Dec.1996
L.74.96	Construction of floor slab 4 m ³ under the grinding m/c. and construction of foundation of plastic washing tanks.	A7.30.562	Khalaf Abdel Ghaffar Ibrahim	1,000.00	24.Nov.1996	10.Dec.1996
L.75.96	Supply and installation of kerosine handpump and suction baisen including connection & overflow pipes. El Fashen	A7.10.562	Sayed Mohamed Hassan Zolf	750.00	25.Nov.1996	5.Dec.1996
L.76.96	Delivery of 200 pcs of overalls for solid waste collectors	A7.10.562	Abdel Aziem Abdel Hamid El Gaby	5,000.00	2.Dec.1996	23.Dec.1996

EXPENDITURE OF FINNIDA FUNDS 1996 (1000 FIM)

(FIM 1000)

BY COMPONENTS	ACTUAL					Cumulative 1993 - 1996	Original Budget		Budget 1996			
	1993	1994	1995	1996	Achiev. %		1996	Achiev. %	Cumulative 1993 - 1996	Achiev. %		
A. PILOT SCHEMES, WATER AND SANITATION	9	1,394	1,317	3,295	6,016	10,100	60%	4,864	63%	7,583	79%	
A1 Rehabilitation of Network	9	911	839	2,779	4,537	4,500	101%	3,701	75%	5,460	83%	
A2-3. Village Connections	0	349	121	51	521	1,500	35%	400	13%	669	60%	
A4-5. Pilot Schemes, Sanitation Sector	0	69	96	32	198	2,000	10%	150	22%	315	63%	
A6 Waste Water Collection	0	57	67	93	217	1,100	20%	153	51%	307	71%	
A7 Development of Solid Waste Collection	0	8	194	340	542	1,000	54%	430	79%	632	86%	
B. SECTOR DEVELOPMENT PLAN	13	152	37	53	275	1,000	23%	118	53%	821	34%	
C. INSTITUTIONAL BUILDING & MANAGEMENT DEVELOPMENT	37	542	363	529	1,476	500	295%	330	139%	831	178%	
D. HUMAN RESOURCES DEVELOPMENT	0	146	229	98	473	1,000	47%	230	42%	605	78%	
E. COMMUNITY PARTICIPATION	0	78	146	205	429	500	86%	120	171%	344	125%	
F. TECHNICAL ASSISTANCE	1,475	4,039	3,522	3,522	12,557	9,400	134%	3,548	99%	12,584	100%	
F1. 10. Long Term Expatriates	676	2,355	2,096	1,706	6,834	5,200	131%	1,953	87%	7,081	97%	
F1. 20. Short Term Expatriates	12	125	129	707	972	300	324%	400	177%	665	146%	
F1. 30. Home Office Coordination	86	214	272	329	901	600	150%	225	146%	797	113%	
F1. 40. Local Consultants	316	904	681	367	2,268	2,100	108%	450	81%	2,351	96%	
F1. 50. Publications	0	0	0	0	0	0	-	0	-	0	-	
F2. 50. International Travelling, Freight of Personal Effects	64	89	67	202	422	250	169%	240	84%	460	92%	
F2. 60. Housing, Hotels, School Fees, Housing Allowance	321	352	276	211	1,160	950	122%	280	75%	1,229	94%	
G. LOGISTICS	961	1,513	618	1,141	4,232	3,800	111%	990	115%	4,082	104%	
G. 10. Office Renovation, Maintenance	86	52	7	2	147	250	59%	20	8%	165	89%	
G. 20. Purchase of Vehicles	150	410	78	63	545	700	78%	80	-	562	97%	
G. 30. Office Equipment and Furniture	408	436	46	40	929	900	103%	87	45%	977	95%	
G. 40. Workshop Equipment and Spareparts	0	0	0	1	1	0	-	0	-	0	-	
G. 50. Office Running Costs: Stationery, Telecom. Mail, etc.	173	313	247	254	993	800	124%	328	78%	1,066	93%	
G. 60. Support Staff, Per Diem, Local Travelling	68	294	368	472	1,202	750	160%	350	135%	1,080	111%	
G. 70. Freight, Bulk Purchases, Deposits	23	7	1	0	31	50	62%	50	0%	82	38%	
G. 80. Evaluation	48	0	28	309	384	350	110%	75	-	151	254%	
H. CONTINGENCIES	0	0	0	0	0	700	0%	150	0	150	0%	
TOTAL BY COMPONENT	2,500	7,863	6,237	8,859	25,459	27,000	94%	10,400	85%	27,000	94%	

1996 MONTHLY EXPENSES (FIM)

Code	Description	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
A . PILOT SCHEMES														
A 1 . REHABILITATION OF NETWORK														
A 1 . 10	Materials and tools for investments	2,697.58	0.00	13,487.19	0.00	83.45	222.92	0.00	1,503.05	267.98	1,170.02	50,710.95	3,542.79	73,655.31
A 1 . 20	Construction contracts	189,712.31	(6,713.00)	69.92	38,553.00	709,581.50	105,553.25	2,205.01	253,594.55	249,613.63	274,360.58	5,357.60	504,140.34	2,322,129.60
A 1 . 30	Design contracts, services	15,501.91	0.00	163,219.28	3,451.66	0.00	0.00	0.00	0.00	0.00	5,113.30	53,132.11	24,842.69	270,586.23
A 1 . 40	Salaries and wages for construction	373.31	67.13	159.00	31.93	224.66	45.12	129.26	426.13	275.60	45.72	109.43	77.22	2,013.31
A 1 . 50	Other investments expenditure	0.00	0.00	0.00	0.00	0.00	0.00	8,024.95	0.00	0.00	0.00	0.00	0.00	8,024.95
A 1 . 60	Materials, tools, spareparts	0.00	0.00	1,143.68	0.00	13.33	4.11	315.39	0.00	49,959.30	0.00	0.00	0.00	47,440.55
A 1 . 70	Services, wages, transport	0.00	10,056.33	3,825.03	10,652.48	2,845.87	3,105.51	135.36	8,507.54	414.53	6,101.03	0.00	10,530.05	54,613.78
A 1 . 80	Fuel, electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 1 . 90	Other maintenance costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total - A1		207,555.59	3,476.32	181,898.00	53,159.07	712,749.16	108,940.82	19,808.97	259,031.27	296,531.04	236,790.65	114,310.09	543,645.14	2,778,876.62
A 2 . VILLAGE WATER SUPPLY SYSTEMS														
A 2 . 10	Materials and tools for investments	0.00	15,433.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,678.80	7,594.53	25,703.23
A 2 . 20	Construction contracts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 2 . 30	Design contracts, services	0.00	3,155.88	0.00	0.00	0.00	557.04	0.00	0.00	0.00	0.00	0.00	0.00	5,752.33
A 2 . 40	Salaries and wages for construction	0.00	0.00	0.00	2,487.68	119.32	3,275.25	0.00	3,984.73	4,526.03	23.60	1,411.73	3,087.53	19,506.83
A 2 . 50	Other investments expenditure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 2 . 60	Materials, tools, spareparts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 2 . 70	Services, wages, transport	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 2 . 80	Fuel, electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 2 . 90	Other maintenance costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total - A2 - A3		0.00	20,635.76	0.00	2,487.68	119.32	4,432.30	0.00	3,984.73	4,526.03	23.60	4,090.53	10,672.08	50,962.98
A 4 . PILOT SCHEMES, SANITATION SYSTEMS														
A 4 . 10	Materials and tools for investments	0.00	0.00	0.00	0.00	0.00	1,194.15	0.00	0.00	6.02	0.00	2,911.52	0.00	4,111.69
A 4 . 20	Construction contracts	0.00	0.00	0.00	0.00	1,408.50	15,429.59	0.00	0.00	1,604.64	2,522.26	6,080.88	0.00	27,045.87
A 4 . 30	Design contracts, services	0.00	0.00	0.00	0.00	0.00	125.33	0.00	0.00	0.00	0.00	0.00	0.00	125.33
A 4 . 40	Salaries and wages for construction	0.00	0.00	0.00	0.00	0.00	626.67	0.00	158.43	0.00	283.25	0.00	0.00	1,068.35
A 4 . 50	Other investments expenditure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 4 . 60	Materials, tools, spareparts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 4 . 70	Services, wages, transport	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 4 . 80	Fuel, electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 4 . 90	Other maintenance costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total - A4 - A5		0.00	0.00	0.00	0.00	1,408.50	17,375.74	0.00	158.43	1,610.66	2,805.51	8,992.40	0.00	32,351.24
A 6 . WASTE WATER COLLECTION														
A 6 . 10	Materials and tools for investments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 6 . 20	Construction contracts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 6 . 30	Design contracts, services	79.43	49,159.34	0.00	0.00	42,955.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92,203.44
A 6 . 40	Salaries and wages for construction	344.22	0.00	24.33	0.00	392.97	336.59	0.00	0.00	0.00	0.00	0.00	0.00	1,098.11
A 6 . 50	Other investments expenditure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 6 . 60	Materials, tools, spareparts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 6 . 70	Services, wages, transport	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 6 . 80	Fuel, electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 6 . 90	Other maintenance costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total - A6		422.65	49,159.34	24.33	0.00	43,358.14	336.59	0.00	0.00	0.00	0.00	0.00	0.00	93,301.55
A 7 . DEVELOPMENT OF SOLID WASTE COLLECTION														
A 7 . 10	Materials and tools for investments	6,029.35	23,954.19	12,154.40	52,632.03	0.00	0.00	0.00	0.00	0.00	0.00	1,870.47	9,694.38	166,334.23
A 7 . 20	Construction contracts	0.00	20,333.21	0.00	544.96	0.00	0.00	0.00	2,822.98	0.00	0.00	0.00	0.00	29,835.15
A 7 . 30	Design contracts, services	133.33	22.32	4,288.35	235.62	18,055.97	7,074.41	19,491.84	20,176.09	0.00	0.00	8,438.22	6,205.50	84,154.65
A 7 . 40	Salaries and wages for construction	751.79	27,121.11	90.22	1,453.88	169.02	76.59	439.78	117.81	75.22	472.08	148.88	463.34	4,231.72
A 7 . 50	Other investments expenditure	0.00	0.00	0.00	588.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	588.39
A 7 . 60	Materials, tools, spareparts	0.00	0.00	0.00	0.00	0.00	0.00	42,976.80	0.00	0.00	0.00	0.00	0.00	42,976.80
A 7 . 70	Services, wages, transport	6,053.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,161.37	12,224.77
A 7 . 80	Fuel, electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A 7 . 90	Other maintenance costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total - A7		12,968.38	104,377.34	16,522.97	55,645.88	18,225.99	7,151.00	62,908.42	29,116.88	75.22	472.08	10,457.57	22,524.59	340,446.32
Sub-Total - A		220,946.62	174,547.76	198,445.30	117,722.63	871,985.01	136,236.45	87,527.49	292,284.36	302,742.95	290,091.84	137,850.59	576,841.81	3,295,938.25

MONTHLY EXPENSES (FIM)

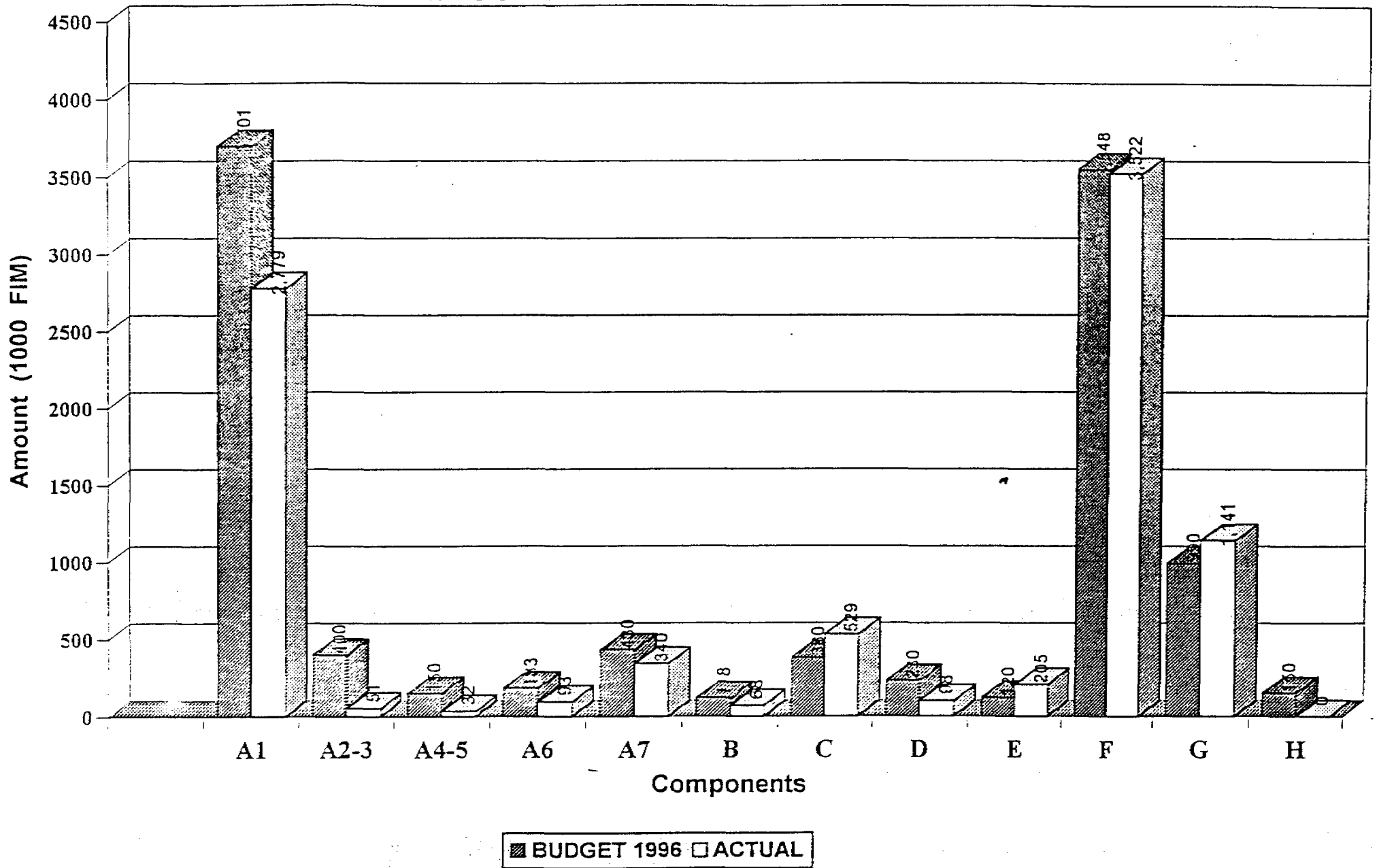
DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
SECTOR DEVELOPMENT PLAN													
Construction contract and material	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment, tools, furniture, library	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,033.91	0.00	0.00	0.00	1,033.91
Stationery, maps, consumable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,008.90	406.70	1,324.88	510.11	3,250.59
Other purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wages, salaries, transport, allowances	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152.28	4,062.30	7,731.26	0.00	0.00	11,945.84
Services, studies, computer programming, printing, water laboratory charges	0.00	8,453.33	0.00	10,021.12	7,098.84	0.00	0.00	10,889.40	12,224.25	0.00	3,214.56	0.00	52,105.55
Sub-Total - C1	0.00	8,453.33	0.00	10,021.12	7,098.84	0.00	0.00	10,889.40	12,224.25	0.00	3,214.56	0.00	52,105.55
INSTITUTIONAL DEVELOPMENT													
INSTITUTIONAL DEVELOPMENT GENERAL													
Construction contract and material	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment, tools, furniture, library	0.00	5,627.44	60,809.50	0.00	0.00	0.00	0.00	23,400.00	0.00	0.00	0.00	0.00	29,400.00
Stationery, maps, consumable	114.65	0.00	0.00	0.00	0.00	0.00	5,139.04	0.00	0.00	39.26	0.00	0.00	259,000.00
Other purchases	42.14	0.00	0.00	0.00	0.00	0.00	0.00	53,002.92	0.00	0.00	0.00	0.00	53,045.06
Wages, salaries, transport, allowances	2,472.50	2,953.72	5,148.24	6,416.00	2,168.40	10,818.22	5,468.55	1,822.96	1,989.08	1,599.49	1,687.64	1,825.45	44,470.25
Services, studies, computer programming, printing, water laboratory charges	0.00	0.00	0.00	1,655.20	563.40	2,566.56	3,986.05	0.00	0.00	0.00	0.00	0.00	8,752.21
Sub-Total - C1	2,629.29	8,475.16	67,958.17	8,072.20	35,497.03	20,464.41	96,806.90	1,383.89	2,078.34	1,699.49	1,687.64	251,825.45	499,077.97
INSTITUTIONAL DEVELOPMENT OF SUMUSTA WATER SUPPLY													
Construction contract and material	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment, tools, furniture, library	373.11	0.00	0.00	0.00	0.00	0.00	754.30	0.00	0.00	0.00	0.00	0.00	1,127.41
Stationery, maps, consumable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.06	62.06
Other purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wages, salaries, transport, allowances	0.00	0.00	0.00	0.00	12,890.00	0.00	0.00	0.00	0.00	0.00	0.00	827.40	13,717.40
Services, studies, computer programming, printing	0.00	0.00	0.00	0.00	0.00	8,440.00	0.00	0.00	0.00	0.00	0.00	6,600.00	15,040.00
Sub-Total - C2	373.11	0.00	0.00	0.00	12,890.00	9,204.30	0.00	0.00	0.00	0.00	0.00	7,487.40	29,956.87
Sub-Total - C1	3,002.40	8,475.16	67,958.17	8,072.20	48,387.03	29,668.71	96,806.90	1,383.89	2,078.34	1,699.49	1,687.64	259,314.85	529,034.84
HUMAN RESOURCES DEVELOPMENT													
Construction contract and material	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment, tools, furniture, library	366.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	366.74
Stationery, maps, consumable	24.00	0.00	0.00	0.00	0.00	50.71	1,576.43	101.99	0.00	0.00	0.00	194.09	1,947.22
Other purchases	10,429.90	0.00	0.00	0.00	0.00	659.60	2,463.44	128.12	0.00	350.82	54.52	801.53	14,887.99
Wages, salaries, transport, allowances	2,957.36	0.00	0.00	0.00	949.33	2,349.32	0.00	0.00	80.23	415.43	69.65	1,745.82	8,577.14
Services, studies, computer programming, printing, water laboratory charges	11,512.36	0.00	9,342.13	9,331.17	676.08	12,561.25	2,707.20	0.00	0.00	24,888.72	0.00	918.41	71,937.32
Sub-Total - D1	12,500.36	0.00	9,342.13	9,331.17	6,235.72	18,950.44	2,907.20	0.00	80.23	25,654.97	174.23	3,659.85	97,716.44
COMMUNITY PARTICIPATION													
Construction contract and material	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equipment, tools, furniture, library	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stationery, maps, consumable	0.00	1,049.91	473.06	1,007.58	0.00	0.00	0.00	0.00	0.00	39.12	0.00	0.00	2,569.67
Other purchases	41.56	1,201.63	54.61	2,255.60	0.00	922.60	0.00	0.00	0.00	0.00	0.00	0.00	11,116.00
Wages, salaries, transport, allowances	10,220.06	10,285.32	12,737.45	30,528.16	17,117.50	17,956.18	11,272.78	13,920.15	14,810.83	14,703.27	12,342.57	8,410.52	174,314.79
Services, studies, computer programming, printing, water laboratory charges	0.00	0.00	0.00	0.00	0.00	2,311.72	0.00	0.00	4,716.97	2,593.07	7,736.38	0.00	17,358.14
Sub-Total - E1	10,220.62	12,536.86	13,305.12	40,391.34	17,117.50	21,190.50	11,272.78	13,920.15	19,527.80	17,335.46	20,078.95	8,410.52	205,358.50

1996 MONTHLY EXPENSES (FIM)

Code	Description	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
F . DIRECT TECHNICAL ASSISTANCE														
F 1 . DIRECT TECHNICAL ASSISTANCE														
F 1 . 10	Long term expatriates	193,309.52	182,030.00	177,557.14	170,890.95	169,190.48	163,166.67	73,363.31	94,976.19	138,500.00	131,714.29	103,833.33	106,833.33	1,705,625.21
F 1 . 20	Short term expatriates	47,500.00	15,535.33	27,142.86	47,500.00	76,044.27	4,371.43	3,715.71	32,464.96	129,388.09	67,388.00	143,357.82	111,940.14	706,646.61
F 1 . 30	Home office coordinator	16,364.70	14,711.40	23,790.15	38,980.05	17,934.66	42,695.99	10,817.55	21,912.56	38,997.42	32,055.63	46,323.62	24,543.89	329,127.63
F 1 . 40	Local consultants	24,383.33	38,687.15	36,321.43	19,929.05	38,293.81	25,489.52	18,149.52	32,902.38	17,815.71	52,831.43	24,312.86	40,490.00	366,536.19
F 1 . 50	Publications	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total - F1		281,557.55	248,211.88	265,111.59	277,290.05	301,463.22	235,723.61	106,046.09	182,256.09	324,701.22	283,989.35	317,827.63	283,807.36	3,107,985.64
F 2 . REIMBURSABLE TECHNICAL ASSISTANCE														
F 2 . 50	International travel	12,636.60	5,413.57	9,519.50	7,189.00	13,728.00	0.00	5,481.20	35,919.60	34,155.60	29,559.01	34,297.19	14,493.06	202,397.33
F 2 . 60	Housing, hotels, school fees, TA staff per diem	30,284.19	2,533.57	16,094.04	37,035.61	4,729.18	20,145.28	32,049.12	6,862.80	6,685.90	32,291.57	7,883.51	14,224.03	211,128.80
Sub-Total - F2		42,920.79	8,392.14	25,603.54	44,224.61	18,457.18	20,145.28	37,530.32	42,782.40	40,821.50	61,840.58	42,180.70	28,717.09	413,526.13
G . LOGISTICS														
G 1 . 10	Office renovation, maintenance	1,093.93	53,720.00	74.34	0.00	42.26	0.00	0.00	0.00	422.62	0.00	0.00	0.00	1,584.45
G 1 . 20	Purchase of vehicles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31,240.00	32,161.94	63,401.94
G 1 . 30	Office equipment and furniture	4,835.06	1,322.46	3,289.79	9,776.78	1,630.56	0.00	2,766.94	0.00	11,010.39	4,553.31	348.24	0.00	39,533.53
G 1 . 40	Workshop equipment and spareparts	0.00	0.00	0.00	0.00	0.00	0.00	1,210.60	0.00	0.00	0.00	0.00	0.00	1,210.60
G 1 . 50	Vehicles' other costs, stationary, telephone, electricity, gas, mail, transport	25,266.50	13,555.63	20,916.29	14,084.29	11,512.56	24,848.57	22,087.46	30,437.77	10,822.48	18,014.38	21,520.45	40,816.10	254,222.48
G 1 . 60	Salaries, allowances, per diem, traveling	28,055.06	39,565.31	32,402.67	42,026.27	40,232.60	44,130.09	32,882.31	73,511.85	33,504.70	32,729.92	32,276.28	40,594.05	472,411.11
G 1 . 70	Freight, bulk purchases, deposits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 1 . 80	Evaluation, appraisal and inspection missions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,497.66	19,754.27	287,395.90	0.00	308,647.83
Sub-Total - G		65,255.55	55,257.10	58,683.09	63,932.34	61,537.98	68,978.66	65,947.38	103,949.62	45,457.85	75,051.83	372,780.87	113,572.09	1,141,011.56
H . CONTINGENCIES														
Sub-Total - H		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRAND TOTAL		643,254.89	518,763.88	636,448.94	566,690.46	1,224,129.48	532,893.65	387,410.38	654,077.92	767,672.10	756,988.45	896,255.28	1,274,323.63	8,858,909.06

DISTRIBUTION OF EXPENDITURE 1996

BY COMPONENT CODE



Implementation of Training Courses in 1996

Course Title	Code	No. of trainees	Total training hours	Total trainees hours	Impl. Month	Status
Measure of Water Production and Demand	96001			0		didnot implemented
Maintenance of Water Network	96002			0		didnot implemented
Diesel Engine, Electrical Pump Units	96003	9	8	72	Nov-96	implemented
Supervision of Water Network Construction	96004	6	64	384		didnot implemented
Leak Detection & Control Water Losses	96005			0	May-96	implemented
Operation and Maintenance of Water Compact Unit	96006			0		didnot implemented
Utility Management	96007			0		didnot implemented
Tendering Procedures	96008	23	25	575	Jun-96	implemented
Autocad	96009			0		didnot implemented
Solid Wastes Sorting & Handling Hazardous Wastes	96010	102	10	1020	Nov-96	implemented
Village Sanitation	96011			0		didnot implemented
Urban Solid Waste Management	96012			0		didnot implemented
Urban Solid Waste Management	96013			0		didnot implemented
Personal Managements on Solid Watsse	96014	19	14	266	Dec-96	implemented
Financial Planning	96015			0		didnot implemented
Supervision Construction of Wastewater Collection System	96016 part1	17	14	238	Feb-97	implemented
Supervision Construction of Wastewater Collection System	96016 part2	20	24	480	March -April 97	implemented
Supervisory skills development	96017			0		didnot implemented
Practising Communication Skills	96018	20	10	200	Jan-96	implemented
Preparig Demonstration Aids	96019	60	15	900	Jan-96	implemented
Supervisory Skills Development	96020			0		didnot implemented
Experience Exchange Visit	96021	41	6	246	Jun-96	implemented
Health Skills Development	96022			0		didnot implemented
Introduction to the use of the Basic Computer Programs	96023			0		didnot implemented
Intensive Language Course	96024	4	36	144	Feb-April 96	implemented
English Language Course	96025	6	36	216	June -July 96	implemented
Maintenance & Installation of P.V.C	96026	18	14	252	Oct-96	implemented
Maintenance of Submersible Pump	96027	9	7	63	Oct-96	implemented
Meter Reading	96028	13	12	156	Dec-96	implemented

Courses code 96026 , 96027 and 96028 are not included in the proposed plan of 1996

REGIONAL WATER SUPPLY AND SANITATION PROJECT IN DENI SURF

Visit of Mr. Adel Abo Taleb and Mr. Ahmed Abdel Wahed to Tuusula Area Water Works

TIME SCHEDULE

Date	Activity	Organization	Place	Contact person
18.5	Sat Arrival			U.Tanttu
20.5	Mon Overall working procedures in Finnish water utility	Tuusula Area Water Works	Tuusula	U.Tanttu
21.5	Tue Operation and maintenance, accompanying the staff in the field	"	"	"
22.5	Wed Repair and calibration of consumer water meters, visiting workshop	Kerava City Water Utility	Kerava	V.Ahroth
23.5	Thu Revenue collection system	"	"	"
24.5	Fri Ground water investigations and well construction	Suomen Pohjavesitekniikka Ltd	Jyväskylä	R.Reijonen
27.5	Mon Repair of pipeline, work in the site	Järvenpää City Water Utility	Järvenpää	H.Veid
28.5	Tue Practice in water loss reduction	"	"	"
29.5	Wed Theory and practice in magnetic flow meters, pilot runs	Danfoss Ltd	Espoo	O-P. Rautala
30.5	Thu Water pipe production, plastic pipes " cast iron pipes	Uponor Ltd, UPO-LV Tekniikka Ltd	Lahti	J.Jussila J.Seppänen
31.5	Fri Prepare of interim report	Tuusula Area Water Works	Tuusula	U.Tanttu
3.6	Mon International symposium on artificial recharge of groundwater	Finnish Environment Agency	Helsinki	E.Ovaskainen
4.6	Tue "	"	"	"
5.6	Wed Consultancy and design	Plumcenter Ltd	"	"
6.6	Thu Chemical feeding pumps, instrumentation of water supply	Hlyso Ltd	Kerava	H.Tuomänen
7.6	Fri Prepare of report	Tuusula Area Water Works	Tuusula	U.Tanttu
8.6	Sat Departure from Helsinki to Cairo			