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**THE REPUBLIC OF
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**Ministry for Foreign
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**Finnish International
Development Agency
(FINNIDA)**

**WATER SUPPLY AND SANITATION
PROJECT IN OHANGWENA REGION**

WORK PLAN 1994

Approved by the Supervisory Board on 1.12.1993

824-NA0H93-14177

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Box 93190, 2509 AD THE HAGUE

Tel.: +31 70 30 699 80

Fax: +31 70 35 899 64

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ABBREVIATIONS

AH	Arto Hurtta
AS	Arto Suominen
BDA	Business Development Adviser
CRW	Community Representative/Water
DAPP	Development Assistance People to People
DRD	Directorate of Rural Development
DWA	Department of Water Affairs
EAIHP	Engela Area Integrated Health Project
EIA	Environmental Impact Assessment
FINNIDA	Finnish International Development Agency
FS	Filemon Shiweda
HK	Hilma Kapweya
HM	Helena Martin
HP	Hannu Pelkonen
IEC	Information, Education and Communication
JH	Johannes Hashoongo
LN	Lazarus Naudili
MEC	Ministry of Education and Culture
MHSS	Ministry of Health and Social Services
MS	Martin Shikongo
MT	Miriam Truebody
PC	Project Coordinator
PDA	Planning and Design Adviser
PH	P. Hamman
SC	Steering Committee
SCDA	Senior Community Development Adviser
SDP	Sanitation Development Plan
SK	Severinus Kamwanka
TOR	Terms of Reference
UNICEF	United Nations Children's Fund
WP	Water Point
WSSDP	Water Supply and Sanitation Development Plan
WSSPOR	Water Supply and Sanitation Project in Ohangwena Region

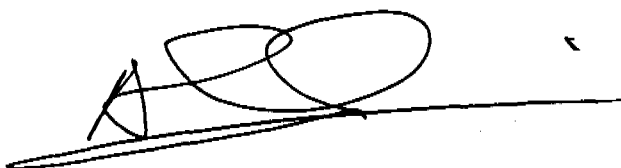
1. FOREWORD

The work plan 1994 has been prepared according to the results of several workshops and meetings organized with DWA, Regional Council and project staff during the period of September -October 1993.

The numbering of the sub-projects, components and outputs is following the numbering in the Project Document. Therefore it is very important that the work plan and the Revised Project Document are read together.

There are many uncertainties and assumptions. One of the most critical activities for the successful implementation is the timely replacement of the leaving Project Coordinator and employment of the Business Development Adviser. The Steering Committee also decided that the Senior Community Development Adviser post is a full time vacancy during 1994 and her main duty during the year is to train one Junior Community Development Adviser to take over her duties early 1995.

November 15, 1993

A handwritten signature in black ink, consisting of a stylized 'A' followed by a large, loopy flourish that extends to the right and then loops back down to the baseline.

Arto Suominen
Project Coordinator

2. WORK PLAN

5.1 Community Development

5.1.1 Institution Building and Human Resources Development

5.1.1.1 Establishment of Water Point Committees, Training of Caretakers and Providing Hygiene Education for School Children

The establishment of Water Point Committees is planned to be carried out by the Community Representatives/Water. In the beginning the project's community development officers will carry out the establishment process, but this duty is gradually transferred to CRWs according to the establishment process of multi-sectoral development committees. Therefore the project's physical implementation capacity will greatly depend on the success of the development committee establishment process. The contribution and support of the councillors and traditional leaders in the beginning is very essential. The establishment of multi-sectoral development committees is presented in ANNEX 1.

The training of caretakers will be done during the construction process for the wells equipped with a bucket lifting system. The development of caretakers' manuals will continue by the DWA and the project will promote and facilitate this development by providing participation to the development workshops. A special handpump caretaker's training course is under planning by the Diocesan Water Project. The project will promote and facilitate this development during the year 1994. Anyhow the installation of bucket water lifting systems are given the priority.

The development of a health and hygiene education package created during 1993 will continue. Education demonstration days will be held at schools provided with sanitation facilities through the year 1994. The participation of project employees in the actual training will be gradually be reduced and more responsibility will be given to the Community Health Workers in the area and teachers of the particular school.

Teacher training?

5.1.1.2 Establishment of Multi-Sectoral Development Committees

During 1994 the Project will facilitate the establishment of development committees for a pilot area only.

5.1.1.3 Training of the Drilling Crew

The training of the crew will be mainly carried out by the senior DWA's drillers as on-the-job training. It is proposed that the project's drilling crew can participate in special training courses organized by DWA for its own drilling staff. A reservation to invite the German Drilling Trainers (Catholic Mission) to provide additional training for the drilling team is made.

5.1.1.4 Development of Community Training Material

The development of community training material during 1993 will continue and the project will participate in the workshops organized by DWA, UNICEF or other organizations in this sector. Great emphasis will be given to the coordination and collaboration with other institutions in the development of community training materials instead of developing project's own material in isolation. See ANNEX 2.

To: If 1 m of wells runs dry each year - isn't this a useful follow process?

5.1.2 Community Mobilization

5.1.2.1 Creation of Community Awareness

The awareness of the project activities and strategies as well as hygiene and water use will be created in community meetings organized for the establishment of water point committees. Before the construction of Omafo-Eenhana rural piped scheme large community meetings will be organized for all the leaders of the area to discuss the principles and responsibilities in the pipe scheme construction and management. See ANNEX 3.

5.1.2.2 Establishment of Water Point Committees

The water point committee will be established for each communal water point. Water point committees will sign all required documents to fulfil their responsibilities in the construction process. The committee will take full responsibility of the management of the water point after acceptable completion of the work. Principles of the Water Point Committee Manual developed by the DRD/DWA will be followed. See ANNEX 3.

5.1.2.3 The cost sharing formulas

The principle that the community will pay all the expenses of the operation and the management of their water point will be tested in the project. This principle is valid for wells and sanitation, as well as for the piped water. The experience regarding the acceptability of this principle within the communities will be tested, and according to the experience the cost sharing formulas will be developed during 1995.

5.1.3 Water Supply Construction

5.1.3.1 Construction of low-cost shallow wells

The construction of shallow wells has been programmed based on the applications received by the project. The target is to construct 15 shallow wells with a windlass and 5 shallow wells with a VLOM type handpump during 1994. Main construction method is brick lining. See ANNEX 3.

5.1.3.2 Drilling of the shallow boreholes

The drilling of the boreholes is programmed based on the applications received by the project. The target is to drill 10 boreholes and equip those with VLOM type handpumps or if the yield and water quality are good the experimental installation of a wind pump can be tested. See ANNEX 3.

5.1.3.3 Omafo-Eenhana Rural Piped Water Scheme

The construction of the piped scheme will depend on the French Government's financing capability. It is planned that the financing will be solved during the first half of the 1994, and in accordance with it the construction could start after harvesting period. The construction method of using local individual artisans as contractors working with the community is proposed to be tested. However, this requires a tender board exemption before payments can be done by the DWA. This construction method requires high input from the communities and due to the long construction period there is a risk that the community's interest may not be the same through the whole construction period.

It is also recommended that the construction of branch lines will not start before the pumping station at Omafo is in operation in order to have enough pressure for all constructed lines. See ANNEX 4.

The following principles have been agreed in the joint meeting with the DWA, GTZ and WSSPOR on 29.10.1993: (All subjects were later endorsed by the French Embassy)

- * the following components will be constructed using individual local builders (contractors) who will work together with the community:
 - + cattle troughs
 - + wash basins
 - + stand pipes
 - + ground level water tanks (ferro cement)
 - + pipe installations
- * the connection fee of N\$ 500,- will be requested to be paid by the communities for the water point
- * the use of water will be metered at each connection point and water will be invoiced based on meter readings
- * each branch line will be equipped with a master water meter and a control device
- * the community will have the full responsibility for the whole branch line and all accessories connected to it
- * the payment system within the communities to be developed
- * the school and clinic connections and water use will be paid by the Department of Works
- * private connections will not be accepted before the system has proved to be fully operational
- * the communities should contribute at least the following:
 - + labour for making bricks, concrete, digging, pipe laying, bush clearing etc...
 - + sand
 - + water
 - + storing
 - + security
- * elevated water tanks will be constructed through the normal tendering procedure

The following subjects to be checked and cleared before the construction can start:

<u>Item</u>	<u>Responsible</u>
* construction of the pumping station at Omafo	DWA
* pipe materials	DWA
* tender board exemption for the use of individual local contractors	DWA
* finalize the designs and project proposal for approval	DWA
* approval of the community contribution and payments by communities	WSSPOR
* financing	French Emb.

5.1.4 Sanitation Construction

5.1.4.1 Sanitation for Schools

long!

The principle to have one sanitation unit for each 100 student has proved unrealistic. The school having 1000 students and 20 teachers requires of 12 units construction. The construction time for such a complex is about four months. However, the school community's interest does not last so long. Therefore it is recommended that only 4 units latrines will be constructed for each school having affordable labour and sand contribution for the school community. If more units are required and the school community is ready to contribute, the construction can continue the following year. The sanitation construction programme has been done based on the applications received by the project. 29 schools will be provided with sanitation during 1994. The payments of installation of doors and seats have to be agreed of with the school principal before the toilet construction can proceed. See ANNEX 5.

The project will continue the construction of ferro cement water tanks and sanitation facilities for schools jointly with UNICEF in the projet area according to the UNICEF's work plan. Work Plan not yet available. The project will provide transportation and supervision. UNICEF will provide materials and labour payments.

5.1.4.2 Sanitation for Clinics

See

All clinics in the project area have received sanitation facilities during 1993. During 1994 only some upgrading work will be carried out.

5.1.4.3 Sanitation for Private People

The project will continue the development of an affordable and acceptable private sanitation units in coordination and collaboration with other sanitation projects in the Region. The project will continue of selling latrines for private people at a cost covering the material, labour and transportation expenses.

5.2 Construction Capacity Building

5.2.1 Training of Local Contractors

5.2.1.1 Water Point and Sanitation Contractor Training

During 1994 the training of local contractors will continue mainly by rotating the contractors in several types of the construction sites. In the end of the year 1993 the project had 5 latrine contractors, 8 well contractors and 5 ferro cement tank contractors. Through the rotation programme the project will have 18 contractors capable for all required construction in the project by the end of 1994. The contractors will be trained for tendering and business management. See ANNEX 6.

5.2.1.2 Organizing Material Supply

If the payment of materials is to be carried out by the DWA, the tender board exemptions will be needed in order to use the services of local material supplier in the future project implementation. The tender board requires tendering and selection of lowest tender. It is very much possible that local suppliers are not able to compete on the National level. These principles have to be cleared before the development of local material supply can start. See ANNEX 6.

5.2.1.2 Organizing Transportation

The same applies for transportation as for material supply. See ANNEX 6.

5.3 Planning and Design

5.3.1 Preparation of a Water Supply and Sanitation Development Plan

The main purpose of the plan is to provide overall guidelines for the physical implementation of the project. The plan will be updated yearly.

The water supply and sanitation development plan management committee has been established for the supervision of the work.

5.3.1.1 The Environmental Impact Assessment Study

The EIA will be carried out mainly as the desk work using available maps and other studies carried out earlier. The study will assess the present stage of the environment and evaluate the possible impacts of the selected construction activities of the WSSPOR. The study shall also include proposals for the practical monitoring and evaluation procedure. See ANNEX 7.

5.3.1.2 Water Resources Assessment

The assessment will include the following reports:

- + surface water potential
- + shallow ground water potential
- + deep ground water potential

These reports will be ready before the end of 1993. See ANNEX 7.

5.3.1.3 Water Demand and Consumption Estimates

The water demand and consumption estimate calculations will be based on the Water Demand Norms of DWA and new census 1992. The estimates will be calculated for 10 years period. See ANNEX 7.

5.3.1.4 Water Supply Options and Unit Costs

The water supply options will be selected based on the low-cost technology and appropriateness for community water projects, using local construction capacity. The following options will be considered:

- + shallow wells with different water lifting systems
- + borehole wells with different water lifting systems
- + dams
- + rural piped water supply

See ANNEX 7.

5.3.1.5 Existing Water Supply Situation

The required inventories have been carried out during 1993. The report will analyze the problems, present water use and service level. See ANNEX 7.

5.3.1.6 The Water Supply Development Plan Interim Report and Implementation Programmes

The interim report is an executive summary of the above mentioned studies. Interim report also consists of recommendations for the areal implementation programmes. The implementation programmes will be revised, if necessary, after completion of the Environmental Impact Assessment Study. See ANNEX 7.

5.3.2 Preparation of Sanitation Development Plan

5.3.2.1 Sanitation Development Plan

The plan will include the description of present sanitation situation based on the inventories carried out during 1993. Options will be selected based on low-cost technology and local construction capacity. The implementation programme will include recommendations and resource and cost estimates for institutional and private sanitation construction. See ANNEX 7.

5.3.3 Preparation of Topography Maps

5.3.3.1 Topography Maps

The maps for the Engela Hospital catchment area will be completed during 1993 by the MT-Survey/Finland. It is also agreed that the Ground Positioning of the Eenhana area can be done during the first quarter of 1994. The payment will be done from Namibian contribution. If the funds will be made available the mapping will be completed during 1994. See ANNEX 7.

5.3.4 Monitoring and Information System

5.3.4.1 Development of Monitoring and Information System

The preliminary forms for the data collection have been developed. The continuation of the work will depend on the decisions done by the DWA regarding the system selection and the method of developing the system. See ANNEX 7.

5.3.5 Manuals

5.3.5.1 Shallow well Construction Manual

5.3.5.2 Latrine Construction Manual

The manuals will be prepared jointly with UNICEF. First draft will be ready in the beginning of 1994 and the manuals will be tested and developed based on the experience gained from the construction during 1994. See ANNEX 7.

3. LOGISTICS

Due to the heavy use of the project vehicles some of the oldest vehicles need to be replaced.

The procurement of some materials can be done through the DWA procurement system in order to utilize the reserved Namibian contribution fully during the 1994:

- * cement
- * tools
- * pumps
- * diesel
- * pipes and pipe fittings
- * etc...

The accommodation of project staff in Ohangwena Region should be solved during 1994 in order to reduce daily driving between Ongwediva and Ohangwena thereby saving time for actual work within the community.

It is expected that telephone and fax services will be provided to the Ohangwena office during the year.

See ANNEX 8.

The cash flow estimate during 1994 is presented in ANNEX 9.

4. RISKS AND ASSUMPTIONS

The establishment process of multi-sectoral development committees will greatly depend on the activity of the Regional Council. The project can only facilitate and promote this development but it cannot take the responsibility for it.

It was decided by the SC that the SCDA shall work full time in the project at least for one year. If project's present SCDA will not accept the SC's decision, the project has to look for her replacement. If it comes to the replacement of SCDA, a long delay can be expected in implementing the community development activities.

The employment agreements of the PC, the PDA and the Project Accountant will all expire at the end of March 1994. Therefore it would be very important that the new PC and BDA could have at least one month overlapping with the old staff. If the overlapping can not be organized, there can be expected some months delay in the implementation of all project's activities.

The timely construction of Omafo-Eenhana rural piped scheme have the following assumptions and risks:

- * pumping station at Omafo has to be completed first
- * the community has to understand, accept and agree the principle of paying for water
- * the tender board exemption has to be made available for the use of local builders (contractors) in construction
- * French Government shall grant the funds for the construction

The implementation of Construction Capacity Building sub-project requires approval of the tender board exemption for the use of local suppliers and transportation entrepreneurs without national tendering system.

In order to implement the activities efficiently the accommodation of project staff in Ohangwena Region has to be solved. If project employees have to continue driving daily between Ongwediva and Ohangwena some delays can be expected and repair costs of the vehicles will increase.

WORK PLAN 1994

SUB-PROJECT:

5.1 COMMUNITY DEVELOPMENT

COMPONENTS:

5.1.1 Institution Building and Human Resource Development

OUTPUTS:

5.1.1.4 Development of Training Materials for Community Training

ACTIVITY	TASKS	RESPONSIBILITIES	INDICATORS	1994																		
				N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	
Increase the awareness of the Communities regarding the Project and generally the use of water	Organize and analyze the existing posters and leaflets used in the project	HK, HM, LN, MT	Training material organized and catalogued in the project library																			
	Identify the need for the development of new materials	HK, HM, LN, MT	List of Needs																			
	Procure or contract with private artist the new required materials	MT	New materials available																			
Train the Water Point Committees	Analyze the Water Point Committee Training Manuals developed by the DRD/DWA	H.K, HM, LN	WPC Manuals in use by the WPCs and experiences listed																			
	Participate with DWA in the WPC manual development as requested by DWA	HK, HM, LN	Workshop reports																			
	Facilitate and promote the preparation of caretakers manual by participation	JH, MS, AH	Workshop reports																			
Provide hygiene education training for the school children and private latrine users	Organize three days workshop for the development of school hygiene package	LN, UNICEF, EAIHP, MHSS MEC, DAPP	Workshop report																			
	Prepare the materials as recommended by the above workshop	MT	Material available																			
	Develop general hygiene education package for private toilet users	LN, FS, UNICEF DAPP	Education package available																			
	Participate in the development of IEC material with UNICEF	LN, HM, HK	IEC material available																			
	Facilitate the coordination of training material development in the Region	MT	Ad-Hoc Committee Meetings Extension Officer Working Group Meetings																			
Evaluation of training materials	Make evaluation criteria	MT	Evaluation forms																			
	Carry out evaluation	MT	Report																			

WORK PLAN 1994

SUB - PROJECT:

5.1 COMMUNITY DEVELOPMENT

COMPONENTS:

5.1.1 Institution Building and HRD; 5.1.2 Community Mobilization; 5.1.3 Water Point Construction

OUTPUTS:

5.1.1.1 Management of WP facilities; 5.1.2.1 Awareness of the Community; 5.1.2.2 Establishment of WPCs

5.1.3.1 Low cost Shallow Wells; 5.1.3.2 Boreholes

ACTIVITY	TASKS	RESPONSIBILITIES	INDICATORS	W E E K S										
				1	2	3	4	5	6	7	8	9		
Identification of the place	Familiarize with the community	HK, HM	Contact persons are known	■										
	Agree the day of the first community meeting	HK, HM	Place and time for meeting organized	■										
Creation of Community awareness	Carry out social evaluation	HK, HM	Community awareness evaluated	■										
	Explain the aim of the WPC	HK, HM	Election of the WPC started	■										
Technical inspection	Survey of the WP site	JH, MS,	Construction Agreement with the community	■	■									
Establishment of the WPC	Organize the WPC meeting	HK, HM	WPC meeting has been held	■	■									
	Collect the names of the WPC members	HK, HM	Names of the WPC members recorded	■	■									
Construction of the Water Point	Finalize the digging of the well	Community	Well is ready for lining	■	■									
	Transport materials to the site	JH, MS	Delivery note signed by the WPC	■	■									
	Collect sand needed in construction	Community	Brick making can be started	■	■									
	Make the bricks	Community, Contractor	Lining of the well can be started	■	■									
	Lining of the well	Community, Contractor	Well ready for slab installation	■	■									
	Make backfilling	Community	Well ready for apron construction	■	■									
	Construct the slab	Community, Contractor	Slab has been installed	■	■									
	Construct the apron for the well	Community, Contractor	Water lifting system can be installed	■	■									
	Construct cattle trough	Community, Contractor	Cattle trough in use	■	■									
	Construct wash basin	Community, Contractor	Wash basin in use	■	■									
	Construct fence	Community, Contractor	Animals can not enter into the well area	■	■									
	Finalize the surrounding of the well	Community	Surrounding of the WP is clean	■	■									
	Training of the Water Point Committee	Select and train people to maintain the WP	HK, HM, JH	WP is in good condition	■	■								
Give hygiene and health training		HK, HM	Healthy community	■	■									
Train community to use the WP Manual		HK, HM	WP is maintained and in good condition	■	■									
Handing over	Final inspection	MS, AH, HK, Community	Inspection report	■	■									
	Handing over ceremony	Project, Community	Handing over certificates signed	■	■									

WORK PLAN 1994

SUBPROJECT: 5.1 COMMUNITY DEVELOPMENT
 COMPONENT: 5.1.3 Water Supply Construction
 OUTPUT: 5.1.3.1 Shallow wells; 5.1.3.2 Boreholes

VILLAGE	WATER POINT TYPE	NAME OF THE CONTACT PERSON	CONSTITUENCY	9 3		1 9 9 4												9 5		
				N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
Omatunda/ Amatundu	Borehole	Shoombe Kaupadwa	Eenhana																	
Onangolo	Borehole	Christian Shipunda	Eenhana																	
Epinga	Borehole	Johannes Shitumbabo	Eenhana																	
Epale	Borehole	Amakali Hainoongo	Eenhana																	
Egambo	Borehole	Anna Nangolo	Eenhana																	
Onaisati	Borehole	Mr Shifotoka	Eenhana																	
Ombaladila	Borehole	Adolf Hashikutuwa	Eenhana																	
Eehwa	Borehole	Headman	Eenhana																	
Ohaihana	Borehole	Headman	Eenhana																	
Ohainengena	Borehole	Mr Utoni	Eenhana																	
Ondjengo	Shallow well	Gabriel Haingombi	Endola																	
Onelombo	Shallow well	Lungameni Iyambo	Endola																	
Ondjengo	Shallow well	Fritz Joseph	Endola																	
Etilashi	Shallow well	Jason Heita	Endola																	
Omaonde	Shallow well	Paulus Nghishakenwa	Endola																	
Eengwena	Shallow well	Naubundunga	Endola																	
Ouhongo	Shallow well	Eila Nashandi	Engela																	
Omatunda	Shallow well	Asser Shingeya	Engela																	
Omatunda	Shallow well	Johannes Simeon	Engela																	
Ouhongo	Shallow well	Petrus Shatumbu	Engela																	
Onghala	Shallow well	Mathias Shaapopi	Engela																	
Engela	Shallow well	Tobias Moses	Engela																	
Ongali	Shallow well	Jason Shitana	Engela																	
Omifitu Wanakashole	Shallow well	Matias Nakashole	Ongenga																	
Eenghoshi	Shallow well	Olavi Hamata	Ongenga																	
Engava	Shallow well	Leonard Hamaamba	Ongenga																	
Omifitu Wanakashole	Shallow well	Lukas Kamati	Ongenga																	
Enoleu	Shallow well	Hakapandi Ndahangwapo	Ongenga																	
Obobe Yomunghudi	Shallow well	David Nanhanga	Ongenga																	
Okahenge	Shallow well	Josephat Ndiliyowike	Ongenga																	

WORK PLAN 1994

SUB - PROJECT:

5.1 COMMUNITY DEVELOPMENT

COMPONENT:

5.1.1 Institution Building and HRD; 5.1.4 Sanitation Construction

OUTPUT:

5.1.1.1 Management of sanitat. facilities; 5.1.4.1 Sanitation for schools

W E E K S

ACTIVITY	TASKS	RESPONSIBILITIES	INDICATORS	W E E K S										
				1	2	3	4	5	6	7	8	9		
Preparatory work	Technical inspection	FS	Report	■										
	Agreement with school principal	FS	Signed Agreement	■										
Community Work	Digging	Principal/Community	Site inspection report		■	■								
	Collect sand and water	Principal/Community	Site inspection report		■	■	■							
	Mixing mortar	Principal/Community	Site inspection report			■	■	■						
	Making bricks	Contractor/Community	Site inspection report			■	■	■						
	Backfilling	Community	Site inspection report				■	■						
Contractor's work	Measurements	FS/Contractor	Site inspection report	■										
	Agreement with contractor	FS/Contractor	Agreement available	■										
	Transport of materials	FS/Contractor	Delivery notes		■									
	Brick making	Contractor	Brick available			■	■							
	Brick lining	Contractor	Site inspection report				■	■	■					
	Finishing work	Contractor/Community	Site inspection report									■		
Supervision Work	Evaluation	FS	Evaluation report										■	
	Handing over	FS/LN	Handing over report										■	
	Hygiene education	LN	Report										■	

SUBPROJECT:

WORK PLAN 1994

COMPONENT:

5.1 Community Development

OUTPUT:

5.1.4 Sanitation Construction

5.1.4.1 Sanitation facilities for schools

		9 3			1 9 9 4					9 5								
CONSTITUENCY	NAME OF THE SCHOOL	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
Ongenga	Ongenga Junior Primary School				■	■												
	Shingunguma Combined School				■	■												
	Okambebe Combined school				■	■												
	Ongudi Combined School				■	■												
Endola	Shikundule Combined School				■	■												
	Ohalushu Junior Primary School						■	■										
	Ehambelelo Combined School						■	■										
	Onamahoka Combined School						■	■										
	Omahenge Combined School						■	■										
Epoli Combined School						■	■											
Engela	Ohangu Junior Primary School								■	■								
	Engela Senior Primary School								■	■								
	Omutaka Combined School								■	■								
	Uundjombala Senior Primary School								■	■								
	Omundudu Combined School								■	■								
Oshikango	Oumbada Combined School										■	■						
	Onekuta Combined School										■	■						
	Tuyoleni Junior Primary School										■	■						
	Elao Junior Primary School										■	■						
	Eembidi Combined School										■	■						
Ohangwena	Ohangwena Combined School												■	■				
	Etale Combined School												■	■				
	Onakambuda Combined School												■	■				
	Onamukalo Combined School												■	■				
Ondobe	Onangwe Combined School														■	■		
	Omungholyo Combined School														■	■		
	Omutwewondjamba Combined School														■	■		
	Eembachu Combined School														■	■		
	Okauva Combined School														■	■		
Endola	Omuve Senior Primary School															■	■	
	Nanghonda Combined School															■	■	
Engela	Oipya Combined School																■	■
	Epundi Primary School																■	■
Oshikango	Hamutenya Senior Primary School																■	■
	Onengali Combined School																■	■
Ohangwena	Ohangwena School Inspector's Office																■	■
	Okelemba Junior Primary School																■	■

WORK PLAN 1994

SUB-PROJECT:

5.3 PLANNING AND DESIGN

COMPONENTS:

5.3.3 Preparation of Topography maps covering the whole project area; 5.3.4 MIS; 5.3.5 Development of manuals; 5.3.6 Progress reports and annual work

OUTPUTS:

5.3.3.1 Topography maps for the whole project area ;5.3.4.1 Monitoring system; 5.3.5.1. Shallow well manual; 5.3.5.2 Latrine const. manual; 5.3.6.1 Annual work plan; 5.3.6.2 Monthly, and quarterly and progress reports

ACTIVITY	TASKS	RESPONSIBILITIES	INDICATORS	1994														
				93	J	F	M	A	M	J	J	A	S	O	N	D	J	F
Topography maps for the whole project area	Prepare maps for Engela Hospital catchment area	MT - Survey	Maps are available	■														
	Prepare ground control network for the Eenhana constituency	Consultant	Approval by the SC and DWA required before the work can start		■													
	Prepare maps, if funds available	Consultant	All maps are available from the project area					■	■	■	■	■	■	■	■	■	■	■
Monitoring system	Finalization of input forms	AS, DWA	Monitoring system in use	■	■													
	System Development, if funds available	DWA	Programme					■	■	■	■	■	■	■	■	■	■	■
	Data collection	All Projects	Filled input forms					■	■	■	■	■	■	■	■	■	■	■
Shallow well and latrine construction manuals	Pilot test of the manual	MS, UNICEF	Technical report is ready	■														
	Pilot test of the manual	MS	Technical report is ready	■														
	Develop shallow well manual	MS, SK	Manual is under test		■													
	Develop sanitation manual	SK	Manual is under test			■												
	Update shallow well and sanitation manuals	MS, SK	Manual in use											■	■	■	■	■
Annual work plan	Prepare annual work plan for 1995	PC	Work plan approved by SC	■														
Monthly, Quarterly and annual progress reports	Prepare monthly report	PC	Report has been delivered	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Prepare quarterly finance report	PC	Report has been delivered					■	■	■	■	■	■	■	■	■	■	■
	Prepare annual progress report	PC	Report has been delivered															

Annex 7 (2/2)

WORK PLAN 1994

SUB-PROJECT:

LOGISTICS

COMPONENTS:

Procurement, Office, Accommodation and Staff Training

OUTPUTS:

Materials Procured, Accommodation, Office Facilities In Order, Staff Performance Improved

ACTIVITY	TASKS	RESPONSIBILITIES	INDICATORS	9 3			1 9 9 4					9 5									
				N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
Procurement	The vehicle N 71549 W will be sold and one new pick-up will be procured	PC	Money of the car N 71549 W received and new car in use																		
	Cement, steel, drilling materials, tools, diesel handpumps will be procured by the DWA	PC, Chief Engineering Services Division	Materials available in stores																		
Accommodation	Four houses in Ohangwena Region rented or constructed (FC, BDA, 2 JCDA)	PC, Chief Engineering Services Division	Field staff accommodated in the Ohangwena Region																		
Training	Organize accountant training course for the Assistant Accountant	BDA, MT	Certificate issued (max 2 months)																		
	Secretarial training course for the Clerk	PC, MT	Certificate issued (max 2 weeks)																		
	Organize general personal management courses for the key staff	PC, MT	Certificates issued (2 days workshop)																		
	Organize computer training in the use of Word Perfect and Lotus for the staff	PC, Trainer	Certificates issued (one week/ each)																		
Personnel Management	Clarify and organize the Workman's Compensation for the contractors (if possible)	PC, MT	Contractors covered by Workman's Compensation (if possible)																		
	Clarify and organize the Medical Scheme for the staff if feasible	PC, BDA, MT	Staff having a Medical Scheme (if feasible)																		

CASH FLOW ESTIMATE, 1994

FC's Cost code	Job No. cost code	Client's cost code	Description	I Quarter FIM	II Quarter FIM	III Quarter FIM	IV Quarter FIM	Total FIM
			Consultant's fee	630,800	814,500	598,200	814,500	2,858,000
1	5	1-9	Project Coordinator					
1	5	1-9	Field Coordinator/Manager					
1	5	1-9	Business Development Advisor					
1	5	1-9	Water Supply Advisor					
1	5	1-9	Senior CDA					
1	5	1-9	2 Junior CDA's					
1	5	1-9	Environmentalist					
1	5	1-9	Reserv. short-term experts				200,000	200,000
1	5	1-9	Project coordin. in Finland	82,000	83,000	82,000	83,000	330,000
2	6	1-9	Recurrent costs/Finland	15,000	20,000	15,000	20,000	70,000
2	7	1-9	Reimbursable TA costs	100,000	25,000	50,000	25,000	200,000
			Community Development	520,000	710,000	955,000	645,000	2,830,000
4	9	2-8	Training materials	5,000	10,000	10,000	5,000	30,000
4	11	2-8	Training courses	20,000	80,000	80,000	20,000	200,000
4	13	2-8	People's participation	10,000	15,000	20,000	5,000	50,000
3	15	2-8	Construction materials	300,000	400,000	500,000	300,000	1,500,000
4	17	2-8	Construction consumables	125,000	125,000	125,000	125,000	500,000
5	19	2-8	Contractors	50,000	70,000	200,000	180,000	500,000
5	21	2-8	Operation & maintenance	10,000	10,000	20,000	10,000	50,000
4	23	2-8	Constr. Capacity Building		20,000	60,000	70,000	150,000
			Planning and design	360,000	60,000	10,000	10,000	460,000
5	25	2-8	Design materials	10,000			10,000	20,000
5	27	2-8	EIA/information		10,000	10,000		20,000
5	29	2-8	Local consultancy reservation	50,000	50,000			100,000
4	31	1-9	Completion of mapping	320,000				320,000
			Others	227,000	303,000	204,000	221,000	955,000
5	33	2-8	Local salaries	150,000	160,000	160,000	180,000	650,000
5	35	2-8	Office costs	70,000	35,000	37,000	33,000	175,000
3	37	1-9	Investments (vehicles, equipment)		100,000			100,000
5	39	2-8	Miscellaneous	7,000	8,000	7,000	8,000	30,000
			Total	1,954,800	2,035,500	1,974,200	2,088,500	8,053,000
			Government of Namibia	470,000	300,000	300,000	300,000	1,370,000
			Government of Finland	1,484,800	1,735,500	1,674,200	1,788,500	6,683,000
			Community	250,000	250,000	250,000	250,000	1,000,000