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THE REPUBLIC OF
NAMIBIA

Ministry of Agriculture
Water and Rural
Development

Directorate of
Rural Development
(DRD)

THE REPUBLIC OF
FINLAND

Ministry for Foreign
Affairs

Finnish International
Development Agency
(FINNIDA)

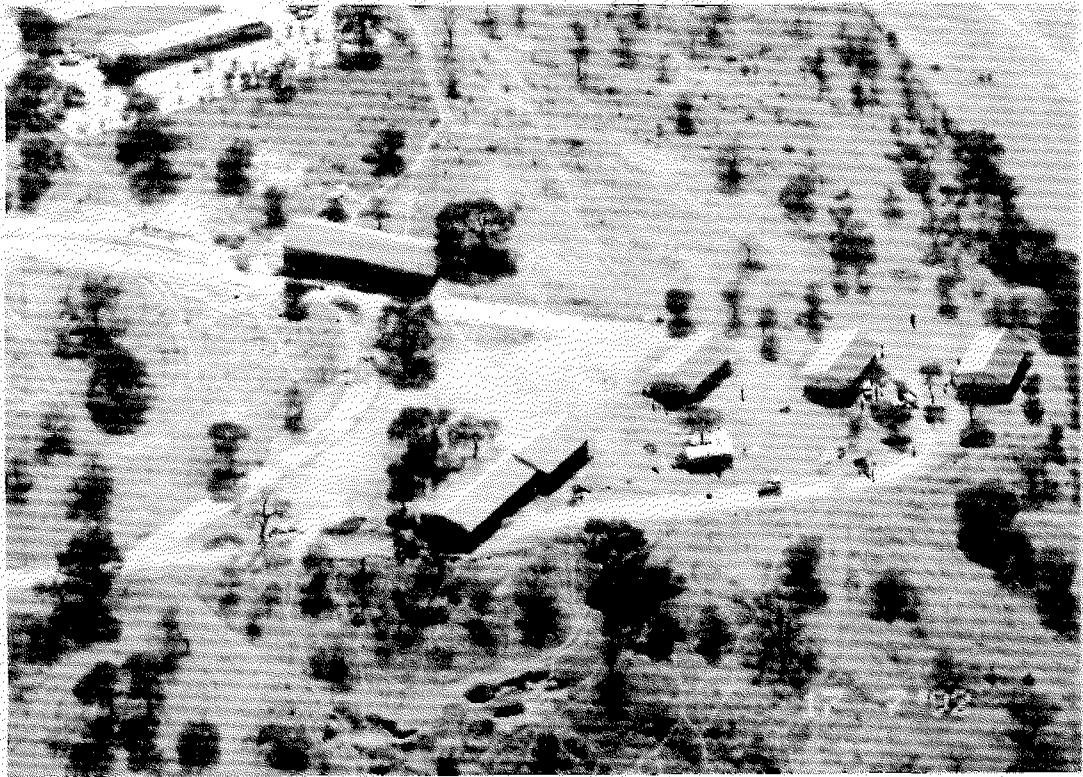
WATER SUPPLY AND SANITATION
PROJECT IN OHANGWENA REGION

PROJECT BRIEF

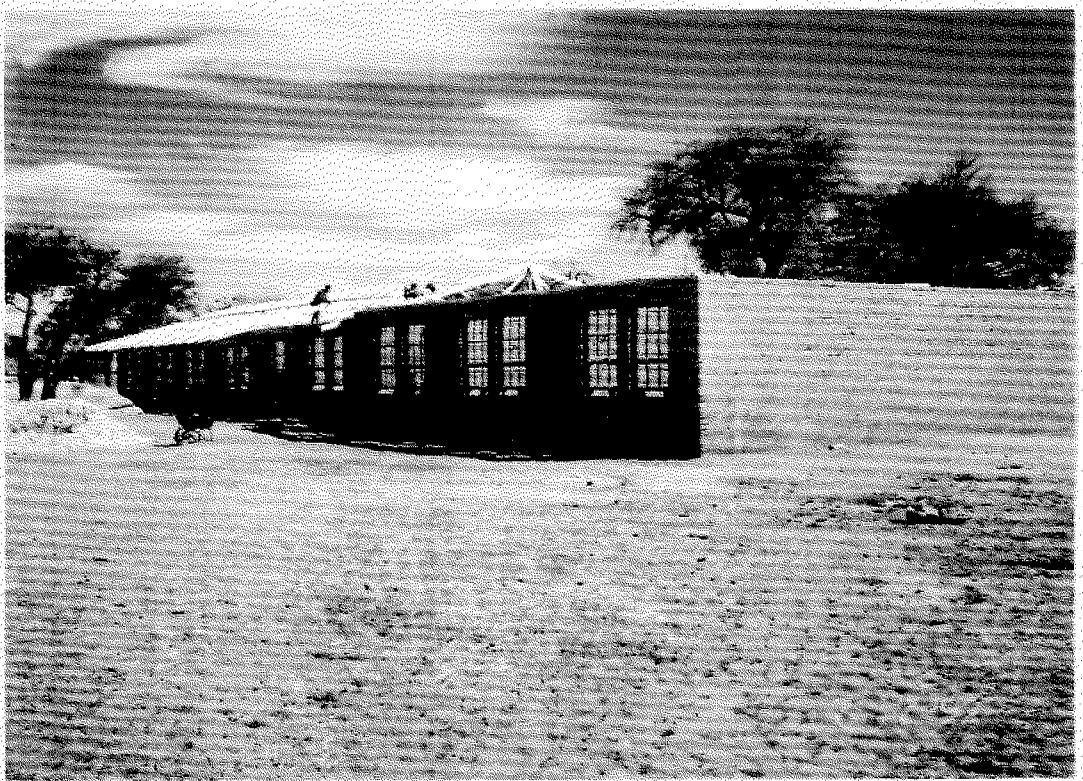
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FINCONNSULT
Project No: 28103701-6

824-NAOH93-14174



Office and house construction at
Ongwediva on 17.7.92 (80% completed)



Office construction at Ongwediva on 7.7.1992



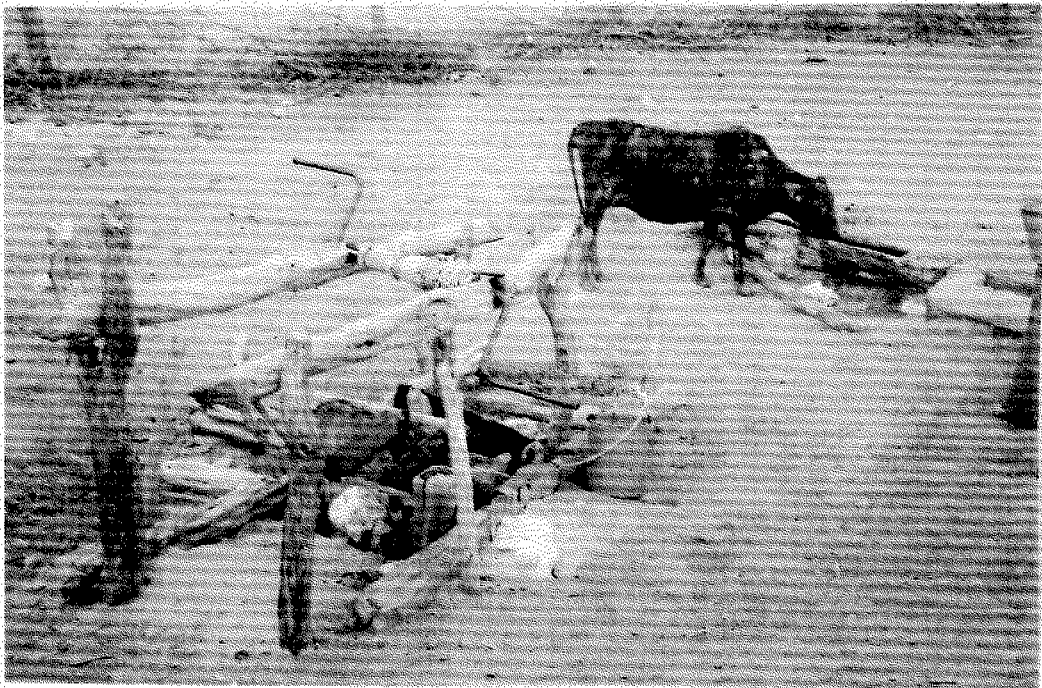
Community meeting at Okatope on 11.5.1992



Owamboland development coordination
committee meeting on 6.5.1992



Collecting water from the pit-well



Locally made well

PROJECT FACT SHEET

Project title: Water Supply & Sanitation Project in Marula Region, Phase I (Now Ohangwena Region)

Project number: 28103701-6

Sector: Water Supply and Sanitation

Duration: 36 months

Starting date: 14.2.1992

Project financing:

- Government of Namibia:
FIM 4 320 000.- R 2 700 000

- Government of Finland:
FIM 34 630 000.- R 21 643 750
(1 R =1,6 FIM)

Competent Authorities:

- Namibia The National Planning Commission
Namibia (NPC)

- Finland Ministry for Foreign Affairs/FINNIDA

Institutional frame work for project implementation:

- Namibia implementing agency:

Ministry of Agriculture, Water
and Rural Development/Ondangwa and
Oshakati Regional Offices

- Consultant for development of the project
implementation

Finnconsult Oy

Arrangements for coordination of the project
implementation:

- Coordination committee of competent authorities

Annual Consultation Meeting

- Coordination at implementation level

Steering Committee

BACKGROUND

The project area (map enclosed) comprises an Western part of the Ohangwena region in the Central-Northern Owambo. The population of the area is around 100 000 people.

The project area is a part of an interior drainage system having an extremely low gradient from east and west towards the centre. Due to the top soil formations the infiltration is low. The annual rainfall in the area varies between 300 and 600 mm. The rain-water collects in numerous shallow depressions, known as Oshanas. Even if the run-off is high, recharging the ground water sources is low due to the fine top soil. The situation is still worsened by the high annual evaporation rates, reaching to 2 500 mm.

The deep ground water in the area is often found saline. The shallow formations of perched ground water, however, should give chances to get good quality water. There is the risk of these sources to dry up, turn saline or contaminate if the abstraction of the water is excessive.

The main problems of the water supply and sanitation at the present are the following:

- weak institutional structure
- missing organized community involvement
- low number of technically trained personnel
- defective management skills
- inadequate water supply and sanitation facilities
- non-existent environmental protection
- limited funds

At the present the people are responsible for their water supply and sanitary facilities and pay for the investments and recurrent costs in full. The Government policy suggests at least a partial cost recovery of investments in the improved water supply. The recovery concerning the investments in the sanitation has not yet been defined.

JUSTIFICATION

The availability of water is one of the major limiting factors for the social and economic development in the project area. Measures supporting the basic needs provision, by improving water supply, needs to be taken.

The scarce water sources of the area are subject to a constant risk for contamination, the major reasons being the poor sanitation situation and the uncontrolled animal husbandry. Proper sanitation services and systems for the livestock watering are required for minimizing the risks of pollution.

The devastating ecological development of deforestation has to be stopped. The Water Supply and Sanitation Project supports the future implementation of the proposed Reforestation Project.

TARGET GROUPS

The ultimate target group of the project is the population of the project area. The main target group for the institutional and human resources development shall be the Directorate of Rural Development and the organization of Ohangwena Region Water Supply and Sanitation Unit (ORWSSU) and the personnel under it, in particular.

Community involvement has the members of the communities as the actual target group. The women, however, responsible for water, hygiene and health issues in homes, form an important strategic target group for the project implementation.

The target group for the physical improvement of water supply and sanitation, in addition to the users as such, shall be the active population in working age, having new job opportunities through the income generation component under the project.

INSTITUTIONAL FRAMEWORK

The National Planning Commission (NPC) in Namibia and the Ministry for Foreign Affairs, through FINNIDA, in Finland are representing the two governments in respect of the project. In matters pertaining to the substance of the project the competent Namibian authority is the Ministry of Agriculture, Water and Rural Development (MAWRD).

The operational responsibility for the project stays with the DRD/MAWRD right from the beginning of the project. The ORWSSU under DRD/MAWRD is responsible for producing the outputs as stated in the project document. The user communities will participate in all stages of physical improvement of their water supply and sanitation services.

DEVELOPMENT OBJECTIVE

The long term objective of the project is to secure a safe and adequate water supply as well as a proper sanitation for the population of the project area in accordance with national policies of improving basic needs provision, health conditions and economic capacity for the rural population.

STRATEGY

The strategy to reach the objectives of the project is to strengthen the existing organization structure of DRD by establishing ORWSSU and to reinforce the capability of the established organization to fulfil its responsibilities. The technical assistance staff working within the ORWSSU is integrated to the organization of the MAWRD.

The responsibilities for improving and managing the services shall be clearly divided, between the users and the administration, in a way where an increased involvement of the users shall take place. The corner stones for reaching the sustainability of the developed systems shall be the optimized women's participation, the cost recovery, and the choice of an appropriate water supply and sanitation technology.

The financial sustainability of the improved services is the absolute pre-condition for all physical improvement activities of the project. Providing water free of charge shall be strictly avoided. The users shall own, operate and manage their improved systems.

The implementation of the project takes place under five sub-projects having each their specific immediate objectives and strategies. The sub-projects are:

1. Institutional and Human Resources Development
2. Community Involvement
3. Water Supply and Sanitation Development Plans
4. Physical Improvement of Water Supply and Sanitation
5. Logistics

**MAIN ACHIEVEMENTS BY THE WATER SUPPLY AND
SANITATION PROJECT IN OHANGWENA REGION IN 1992**

1. INSTITUTION BUILDING AND HUMAN RESOURCES DEVELOPMENT

- * Personal education and training evaluation form developed
- * The questionnaire form prepared and inventory of training facilities in Northern Namibia carried out
- * Employment contract form for the project use developed
- * Grievance and disciplinary procedures for the project use developed
- * Job description format for the project use developed
- * Job descriptions for the 15 project staff members done
- * Several proposals for the project's organization developed
- * Ad-Hoc Water Supply and Sanitation Technical Support Committee established to coordinate, monitor and develop the physical implementation and planning of the water and sanitation in North and accordingly 6 meetings conducted
- * 2 days computer training in basic skills for project staff

2. COMMUNITY INVOLVEMENT

- * A review of 12 organizations' community approach reviewed
- * 5 meetings with chief and senior headmen organized in which meetings areas of operation, the cost principle and responsibilities were agreed
- * People's participation workshop for community development workers in Owambo organized
- * Establishment of Community participation coordination committee for Owambo initiated
- * Participating on the DRD's Working Committee on Water Point Committees
- * 16 water point committees established having 92 members out of which 39 are women
- * water point committee management training to 3 water point committees
- * 20 community meetings held attended by 686 people (men 373, women 313, children 39)
- * one day business management training for 9 women conducted
- * 2 interviews on the local radio station and news reports on the national and local news
- * one week toilet construction course in Tsandi for 4 toilet builders
- * two weeks toilet construction course in RDC for 9 toilet builders
- * two weeks ferro cement tank construction course in Tsandi for 4 tank builders
- * one week training course for project staff in communication skills, people's participation and motivation skills
- * 2,5 weeks training course for 3 community officers in Windhoek on community management skills
- * Purchase of community training literature and drafting of 30 posters
- * Socio-Economic and Health Desk-Top Study carried out
- * Baseline socio-economic data collected during the community mobil.
- * Auger Drilling Manual and Latrine Construction Manual translated

3. WATER SUPPLY AND SANITATION DEVELOPMENT PLAN

- * Signalization, GPS measurements, Areal Photographs and Areal Triangulation for the maps of the project area done
- * The Owambo Master Water Plan Report and Oshakati-Onakango Water Scheme Plan reviewed.
- * Deep Groundwater Desk Study Report prepared
- * Inventory of existing ground water resources in the Eastern part of the project area carried out
- * Quotations for the drilling of ten boreholes received and evaluated
- * Seismic survey for the deep ground water drilling carried out

- * The terms of reference for the Environmental Study Programme prepared for approval
- * Compost latrine Study Programme prepared for approval
- * Infrastructural data for Ohangwena Region Water Master Plan collected
- * Terms of reference for the standardization of water supply and sanitation determination prepared for approval and one day workshop on the same issue organized
- * Terms of reference for the establishment of a data base for a computerized water point monitoring system prepared for approval
- * Surface water desk study carried out
- * Study programme for testing of different shallow ground water investigation methods prepared for approval
- * Two project representatives participated in five days handpump workshop in Kenya on November 1992

4. PHYSICAL IMPROVEMENTS

- * One lorry with a crane procured and taken into use
- * One tractor with a crane and 10 ton trailer procured
- * Production of concrete rings, bricks and toilet slabs commenced by a private contractor in Ohangwena
- * Concrete rings procured also from Diocesan Water Project and From Rural Development Centre
- * 45 official water point applications received
- * 35 official latrine applications received
- * 3 water point handed over to the community by the Regional Commissioner
- * 14 water point constructed and taken into use by the community
- * 7 water point under construction at the end of 1992
- * 2 private VIP toilets constructed
- * 5 single VIP toilets constructed for schools
- * one 8 seat toilet constructed for school
- * 3 public toilets constructed for demonstration
- * 3 private toilets under construction at the end of 1992
- * 6 different hand pump types installed for testing
- * Catholic Mission rotary drilling rig rehabilitated for the project use
- * Joint water point construction procedure developed with Diocesan WP
- * Sanitation Construction Procedure prepared for approval
- * Hand auger drilling method tested with the community (Not accepted by the community)

5. LOGISTICS

- * Project Agreement signed by the two Governments on 14.2.1992
- * 5 senior advisors recruited for the project
- * 2 junior advisors recruited for the project
- * 3 houses constructed in Ongwediva
- * One office building with 13 office rooms and one conference room constructed in Ongwediva
- * Offices and houses furnished
- * 6 computers procured and taken into use
- * One office room for the project rehabilitated in Ohangwena
- * 4 room store rehabilitated in Ohangwena
- * 2 container stores procured
- * 9 light vehicles and 2 motorbikes procured
- * Project registered as an employer
- * 3 Steering Committee meetings held
- * 11 monthly progress reports prepared
- * Supervisory Board Meeting held in November 1992
- * The introduction of the project to the President of Namibia and State Secretary of Finland organized on 2.5.1992

Presentation of Consultants

Finnconsult Oy is a management and engineering consulting company specializing in project preparation and implementation in developing countries. One of its main activities is water supply and sanitation, with regard to Management, Institution Building and Human Resources Development.

Technology Systems and Management (Pty) Ltd., (TS&M) is a Namibian consulting company providing a variety of services in technological fields, financial management, development and infrastructural projects.

Buhrmann & Partners Consulting Engineers is a Namibian engineering consulting company specializing in structural engineering and transport.

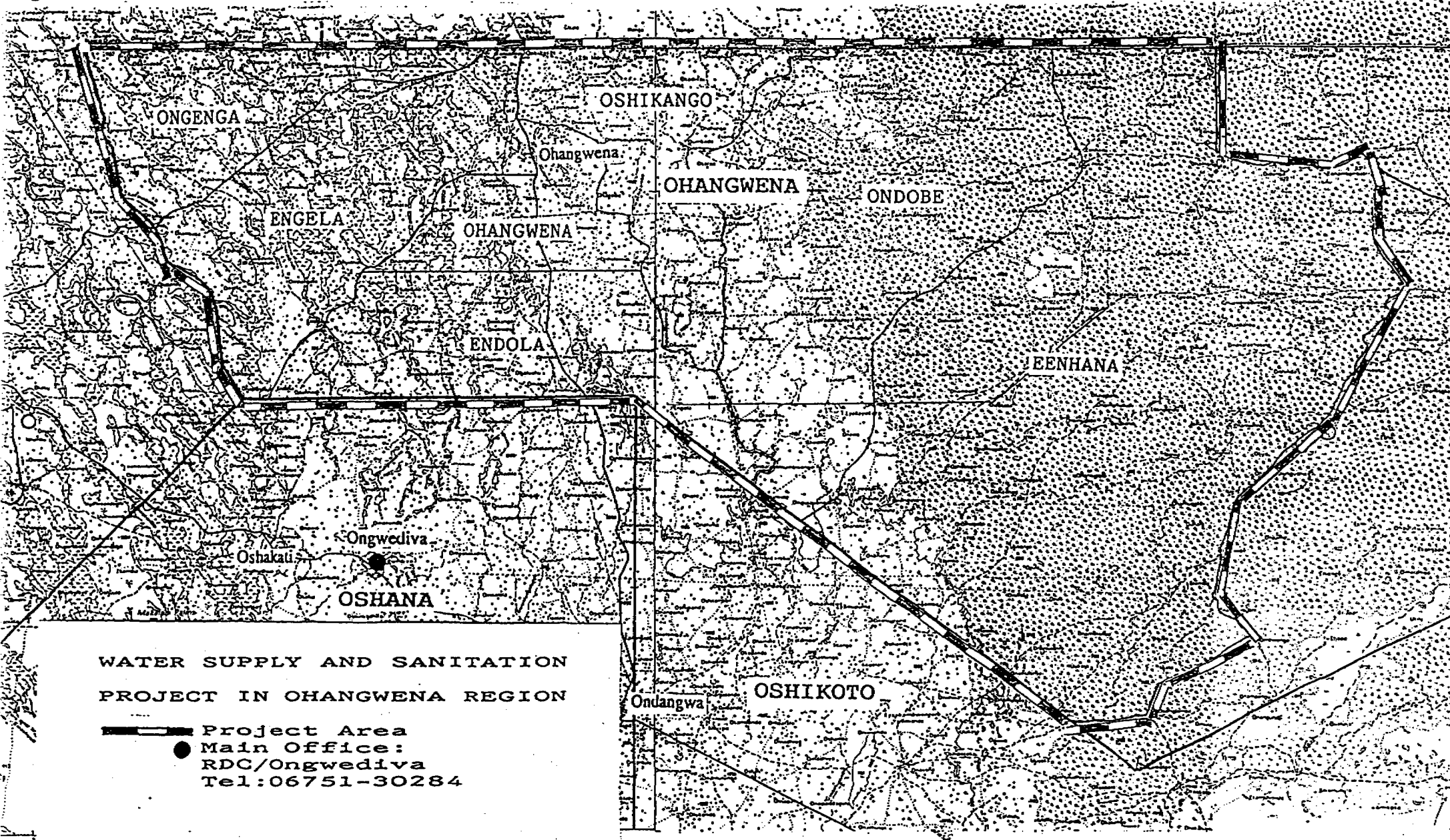
Finnconsult Oy will take the full responsibility of the implementation of the project being the main contractor to Finnida. Finnconsult will also provide all supporting services needed from Finland. Technology Systems & Management (Pty) Ltd. will co-ordinate activities in Namibia and provide services in Namibia. TS&M will also act as a liaison office between the project and the Namibian Authorities in Windhoek. Buhrmann & Partners will provide short term consultancy services in detailed technical design work and other engineering services needed.

Consultants' Staff in Namibia:



Mr. Arto Suominen	Project Coordinator, Finnconsult
Mrs. Miriam Truebody	Senior Community Mobilization Adviser, Private Sector Foundation
Mrs. Hilma Shinana	Community Mobilization Adviser, Finnconsult
Dr. Christina Swart	Senior Human Resources Development and Training Adviser, Christina Swart Consultancy
Mrs. Helena Martin	Human Resources Development and Training Adviser, TS&M
Mr. Hannu Pelkonen	Water Supply and Sanitation Adviser, Finnconsult
Mr. Tauno Tirronen	Hydrogeologist, Finnconsult
Mr. Willy Klein	Management Consultant, TS&M

Coordination in Finland:

Mr. Elis Karsten	Technical Coordination in Finland, Finnconsult
Mrs. Anu Rosendahl	Administrative Coordination in Finland, Finnconsult



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

-  Project Area
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RDC/Ongwediva
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