

TANZANIA

HESAWA

**RURAL WATER SUPPLY,
ENVIRONMENTAL SANITATION AND
HEALTH EDUCATION PROGRAMMES
IN**

**KAGERA, MARA AND
MWANZA REGIONS**

AGREED MINUTES

BETWEEN MCDWC AND SIDA, DECEMBER 2, 1992

AND

**SUPPLEMENTARY COMMENTS TO
THE REVIEW**

NOVEMBER 16 - NOVEMBER 27, 1992



HESAWA WELLS

The quality of the installations varies considerably between the districts
– but also within a district!

Inferior quality is not a result of poor workmanship but also a sign
of inadequate systems for operation and maintenance. Unclear roles,
responsibilities and ownership add to the problem.

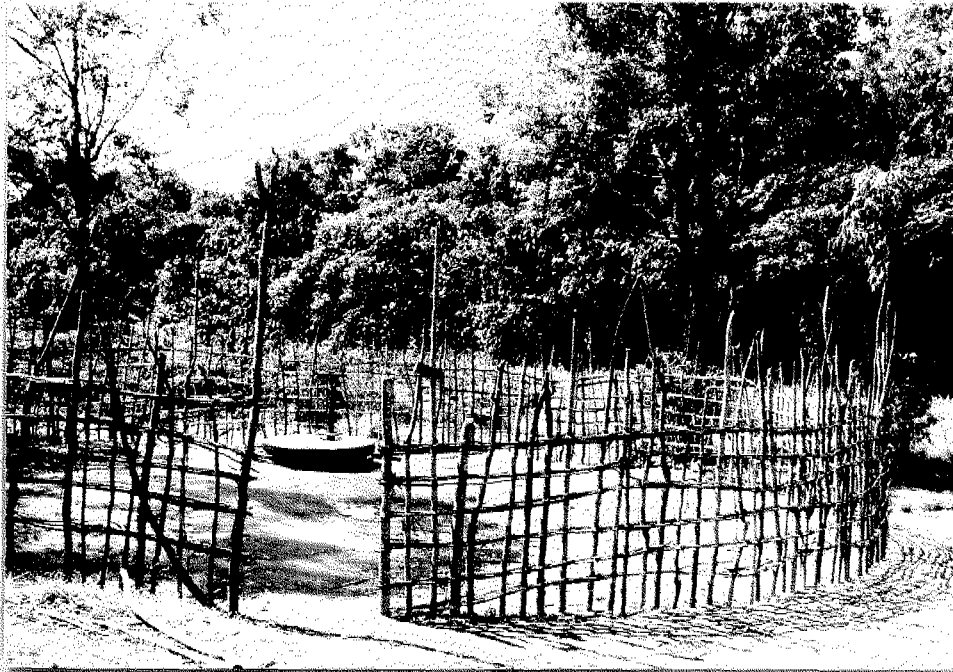


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Appendices:

1. Specific Agreement 1990/91 - 1992/93
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ACRONYMS AND ABBREVIATIONS

AMREF	African Medical Research Foundation
AO	Administrative Officer
BCS	Business Care Services
CDO	Community Development Officer
DC	District Council
DCDO	District Community Development Officer
DCO	Development Cooperation Office (of SIDA)
DED	District Executive Officer
D-funds	External funds (SEK), also categorised as Direct or "D" funds
DHC	District Hesawa Coordinator
DHO	District Health Officer
DMO	District Medical Officer
DPO	District Promotion Officer
DPLO	District Planning Officer
DSM	Dar es Salaam
DWE	District Water Engineer
FA	Financial Analyst
FC	Financial Controller
HA	Hesawa Advisor
HEA	Health Advisor
HESAWA	Health through Sanitation and Water
HD	Hesawa Director

HDD	Hesawa Deputy Director
HPA	Hesawa Programme Advisor
HRD	Human Resources Development
IPL	Improved Pit Latrine
JRT	Joint Review Team
MAENDELEO	Department of Community Development
MAJI	Ministry of Water
MCDWC	Ministry of Community Development, Women Affairs and Children
MM	Management Meeting (quarterly Hesawa meetings)
NPC	National Planning Commission
O&M	Operation and Maintenance
PCO	Planning and Control Officer
PM & 1st VPO	Prime Minister and First Vice President's Office
PMO	Prime Minister and First Vice President's Office
RCDO	Regional Community Development Officer
RDD	Regional Development Director
RHA	Regional Hesawa Advisor
RHC	Regional Hesawa Coordinator
RHO	Regional Health Officer
RPLO	Regional Planning Officer
RWE	Regional Water Engineer
RWH	Rain Water Harvesting
SEK	Swedish Kronor

SFO	Senior Finance Officer
SGA	Study Group Activity
SGP	Study Group Programme
SHO	Senior Health Officer
SIDA	Swedish International Development Authority
SPEE	Senior Principal Executive Engineer
STATIONARY INTERVENTION	A process in which a Hesawa Technician is stationed in the village
SPMO	Senior Programme Mang't Officer
STO	Store Officer
STM	Stores and Transport Manager
TAS	Tanzanian Shillings
TOR	Terms of Reference
TR	Trunk Route (main water pipeline)
VIPL	Ventilated Improved Pit Latrine
VHW	Village Health Worker
WHO	World Health Organization
WRI	Water Resources Institute
ZHC	Zonal Hesawa Coordinator
ZHCO	Zonal Hesawa Coordination Office
ZTO	Zonal Training Officer

Chapter I :

INTRODUCTION

Chapter 1:

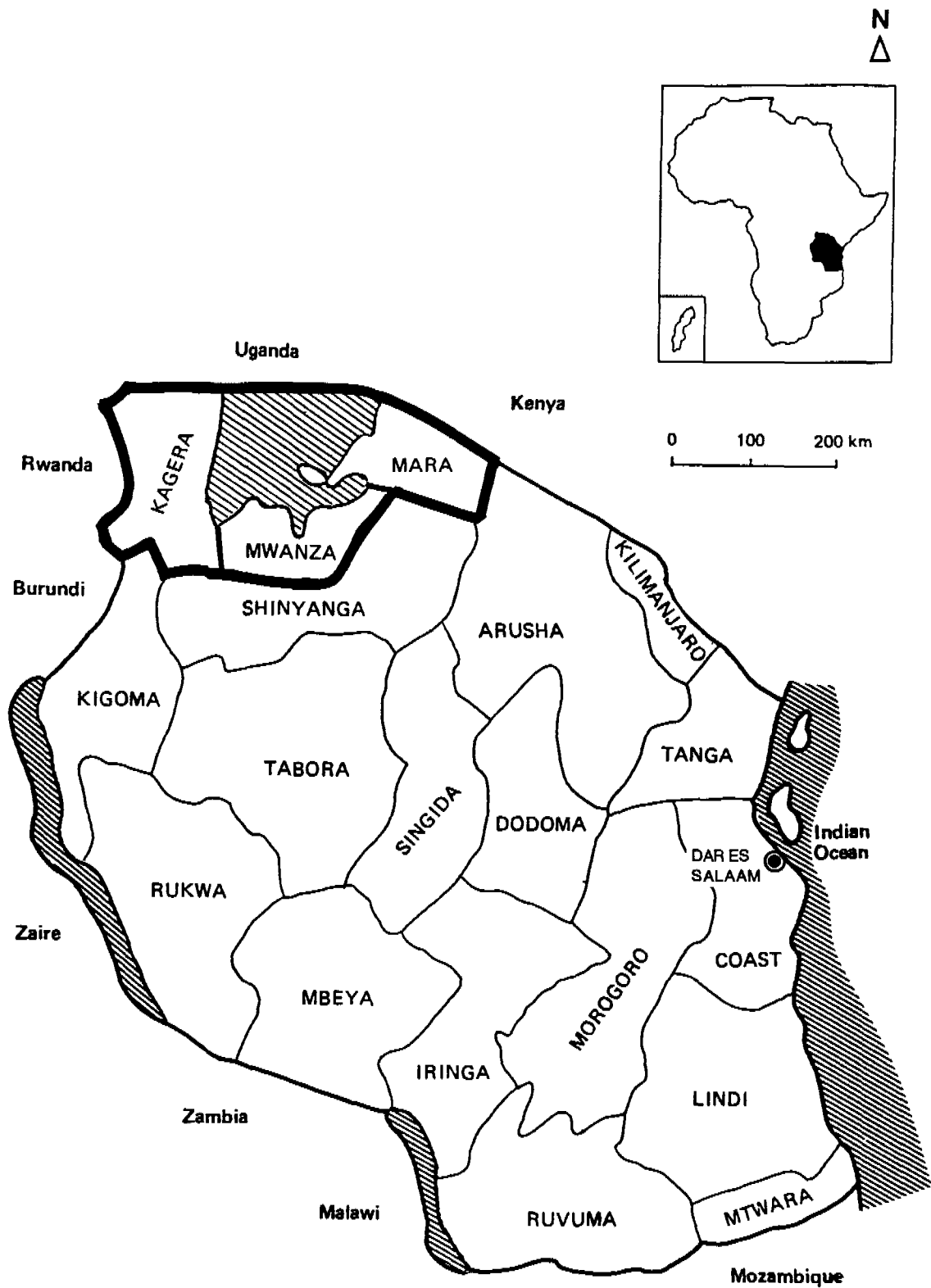
INTRODUCTION

Tanzania and Sweden have cooperated within the water sector since 1965. Assistance was initially provided as a general sector support. In the beginning of the 1980's it was concentrated to the three Lake Regions: Kagera, Mara and Mwanza, and the content of the support was changed considerably. The Programme has since July 1985 been an integrated rural water supply, health education and environmental sanitation programme (Hesawa - Health through Sanitation and Water).

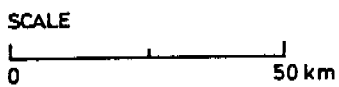
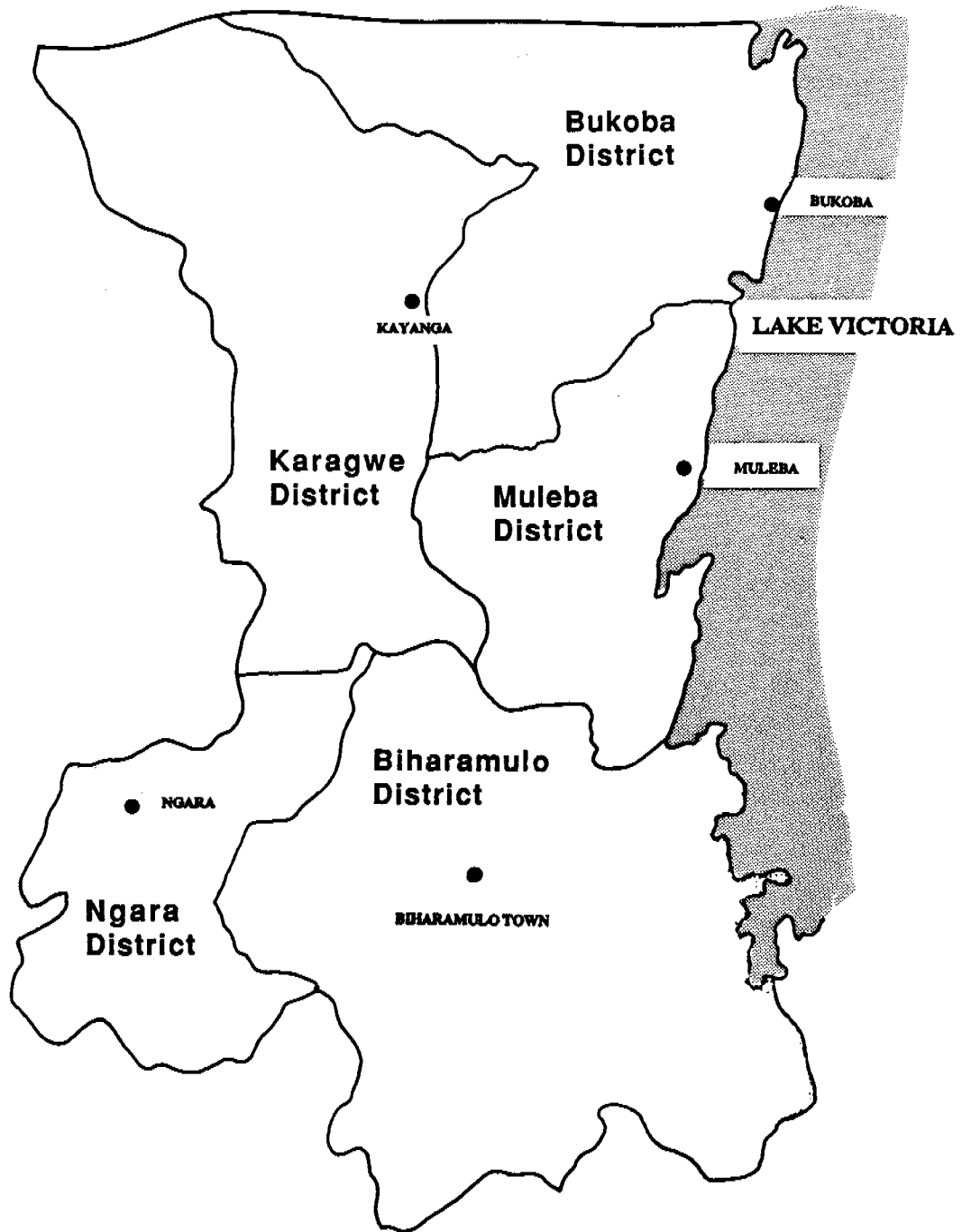
A Specific Agreement on Rural Water Supply, Environmental Sanitation and Health Education (Hesawa) between Tanzania and Sweden was concluded on September 11, 1990. The Agreement covers the period 1990/91 - 1992/93. Please refer to Appendix 1 of this Report.

A one-year prolongation of the present Specific Agreement has been requested by MCDWC in order to allow time for the preparation of a new long-term Agreement. A summarized Plan of Action for the period July, 1993 - June, 1994, will be found in Appendix 2 of this Report.

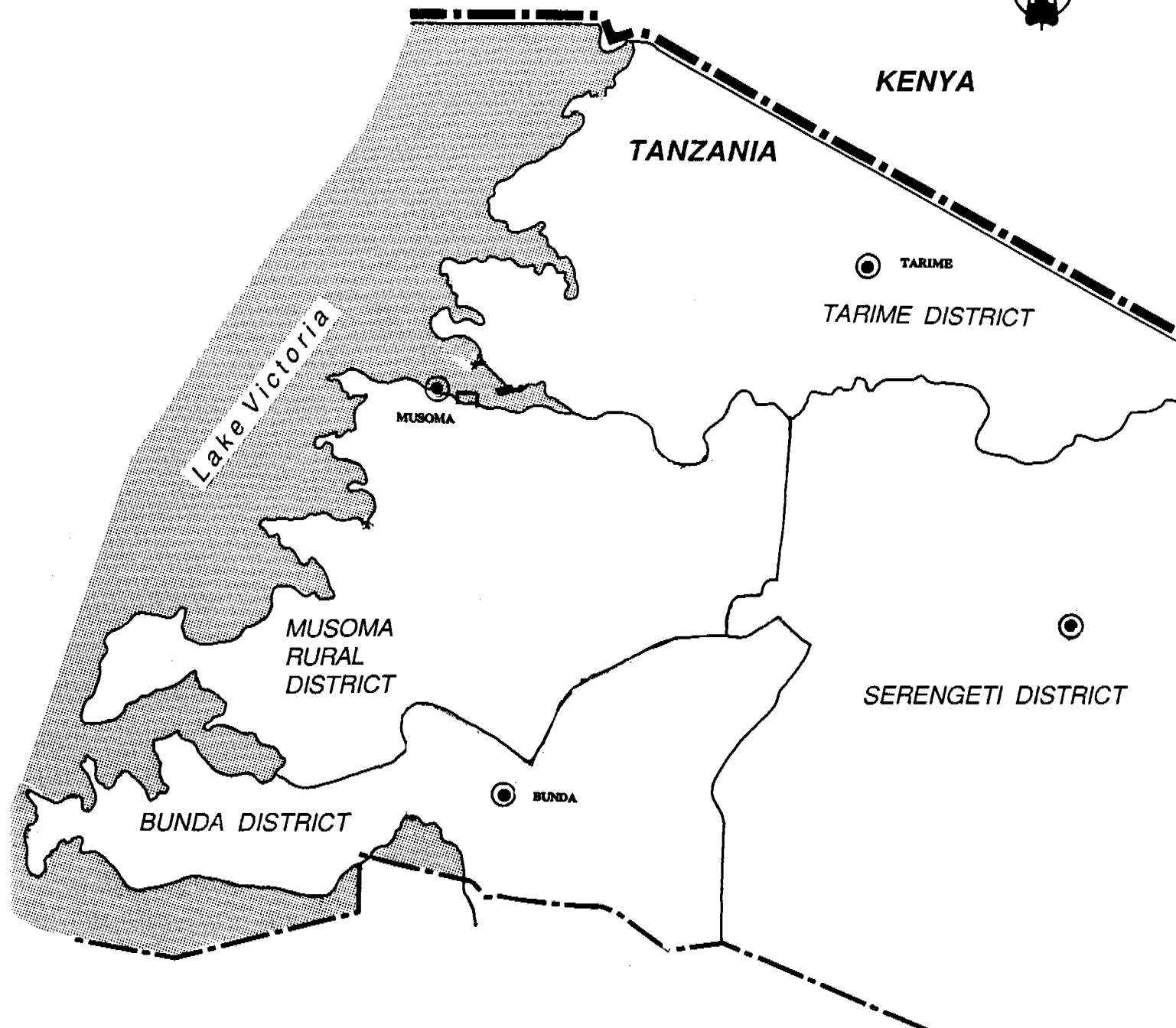
According to the Hesawa principles, planning and implementation shall be the responsibility of the villages. In order to facilitate village involvement the District Executive Director shall be responsible for the planning, budgeting, implementation and coordination of Hesawa activities. The coordination of the Programme is under the Ministry of Community Development, Women Affairs and Children.



TANZANIA - ADMINISTRATIVE BOUNDARIES (REGIONS)

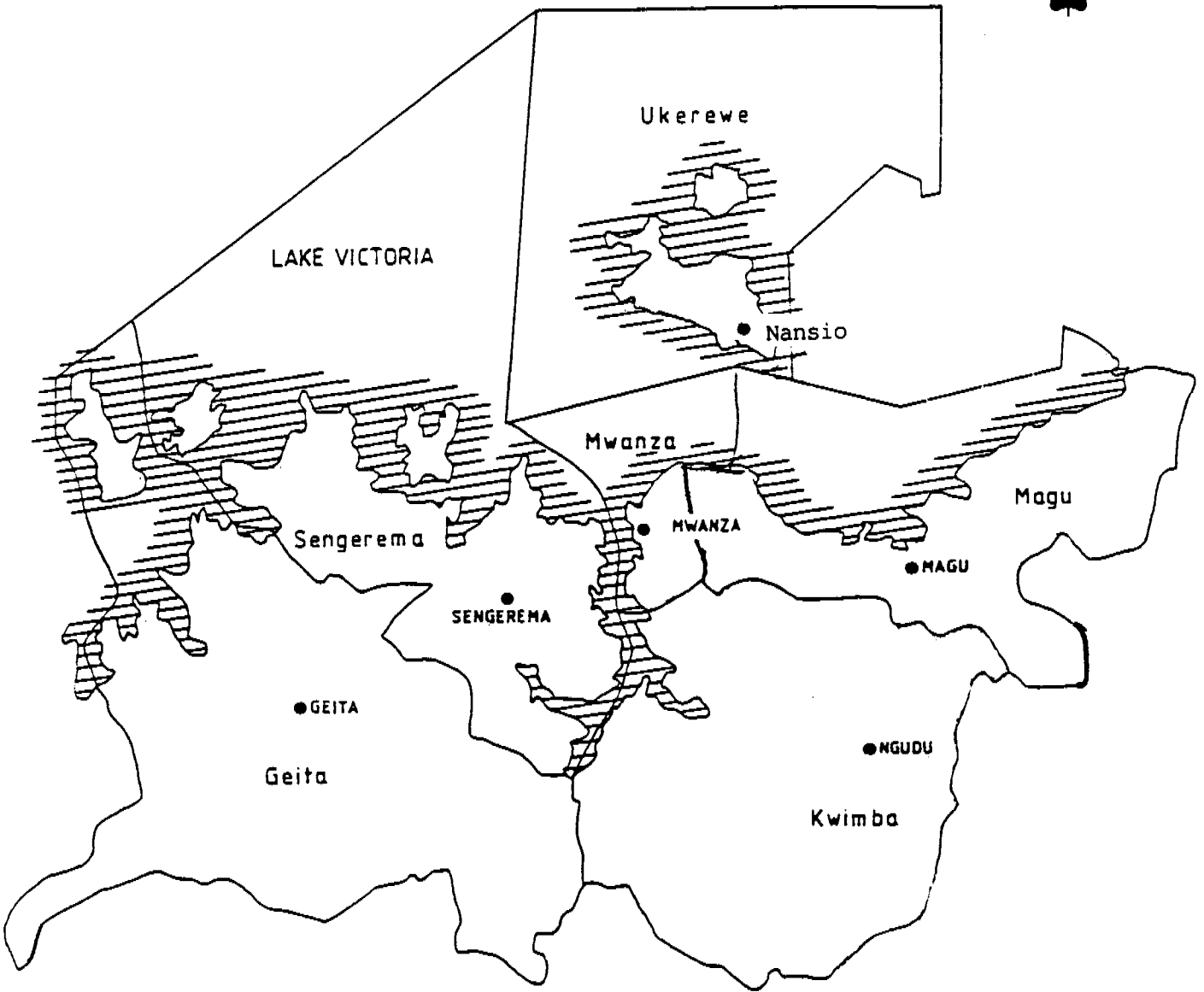


KAGERA REGION

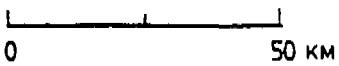


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MARA REGION



SCALE :



MWANZA REGION

Chapter II :

AGREED MINUTES BETWEEN PM & 1st PVO

AND SIDA, DATED DECEMBER 2, 1992

A G R E E D M I N U T E S

between the Ministry of Community Development Women Affairs and Children (MCDWC) and the Swedish International Development Authority (SIDA).

1. INTRODUCTION

According to the Specific Agreement on Cooperation concerning Rural Water Supply, Environmental Sanitation and Health Education (HESAWA) between the Governments of the United Republic of Tanzania and Sweden, dated September 11, 1990, the progress of the Programme shall be reviewed annually. These Reviews shall take place in order to assess the results of the past financial year and to monitor the progress and agree on indicative allocations of funds for the next financial year.

A Joint Review by MCDWC, the Prime Minister's and 1st Vice President's Office, the Planning Commission, the Ministry of Finance, the Ministry of Water, Energy and Minerals and SIDA was conducted November 16 to November 27, 1992. The Ministry of Health was invited but was not able to send a representative to participate. During the Review consultations were held in the three respective regions, i.e. Kagera, Mara and Mwanza, with Regional and District Authorities, the Zonal Office and the Consultants supporting the Programme.

Based on the Progress Reports presented and discussions held, the following Agreed Minutes were adopted. Further details will be presented in the Supplementary Comments to these Agreed Minutes.

An independent evaluation of the Programme was carried out during May to September 1992 by The International Water and Sanitation Centre, IRC, The Hague.

2. PURPOSE OF THE REVIEW

The main tasks of the consultations were:

- * to review the 1991/92 Annual Physical and Financial Progress Reports;
- * to analyse tentative Action Plans and Budgets for 1992/93, and

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* to discuss the subject matters as per the Terms of Reference according to annex 1.

3. GENERAL

3.1 Policy issues

Discussing the principles for the HESAWA Programme, the Parties noted with satisfaction the Programme's considerable efforts and successes in applying the basic principles such as the bottom-top approach as stated in the Specific Agreement. The Parties agreed to further stress the following issues:

- in all Programme Activities the focus on the village should be further emphasized,
- sustainability, affordability, replicability and credibility should remain the principles guiding all Programme activities,
- decentralization should be actively pursued in order to ensure closer collaboration at village level through the existing government structure,
- the Programme strongly emphasizes utilization of existing human and physical local resources. The Review Team stresses use of technologies applicable to the need on village level. The most viable approach is to identify and utilize indigenous resources, technologies and methods and if so required improve these e.g. traditional water sources, existing latrines, functional village organizations/groupings, etc.

3.2 Implementation in 1991/92

The 1992 Review Team noted with satisfaction that output had continued to increase during 1991/92. However, as noted in the recent Programme Evaluation Report, there is a need of quality improvement of all installations.

3.3 Organization and Management

The integrated approach of the Programme means involvement of actors from different levels: Villages, Districts, Regions, Ministries and supportive agencies (Consultants/Contractors/Suppliers).

According to the HESAWA principles, planning and implementation shall be the responsibility of the villages. In order to ascertain village involvement the District Executive Director shall facilitate planning, budgeting, implementation,

reporting and coordination of HESAWA activities. The Regional Authorities shall act in an advisory and supervisory capacity.

The involvement of Programme agencies is coordinated by the Zonal HESAWA Coordination Office in Mwanza.

Since integrated activities now take place in all districts, there is no longer a need of classifying districts as integrated and non-integrated, hence this classification is considered obsolete. It was agreed that additional resources will be allocated to districts on the basis of past performance and actual needs.

Budgets for equipment, transport etc must be matched with increased output, adequate manpower and additional local funds.

The number of staff at the Zonal Office is today in accordance with the present Terms of Reference for both Hifab and BCS. Decentralization is stressed and in a longer perspective the Zonal Office will be scaled down. It was agreed that an independent consultant shall be assigned to work out proposals and recommendations to the MCDWC and SIDA of a gradual scaling down the office. The study shall be carried out early 1993/94 to be presented to the Annual Review 1993. The Programme Management undertook to propose the Terms of Reference. Funds for the study shall be allocated from the short-term consultancy budget.

3.4 Support to NGOs and Institutions in the Programme Area

The criteria for HESAWA Programme support to NGOs and institutions shall be as follows:

- Project proposal shall have to be availed to the Programme Management and respective district authority for consideration;
- Implementation and reporting of the activities shall be carried out according to HESAWA Principles;
- The benefiting NGO/institution shall have to ensure that there exists arrangements for operation and maintenance.

3.5 Handing Over

The Review Mission noted a big backlog in handing over of completed wells and piped schemes to the user groups. The Programme Management shall ensure

that agreed procedures for handing over are followed and adhered to. After completion of improvement of traditional water sources the responsibilities for maintenance rest with the users implying that no grace period is granted for this type of technology.

3.6 District Headquarters

It was agreed that a special study on water supply and environmental sanitation in one district headquarter in each region shall be carried out during 1992/93 to assess the relevance of separate SIDA support to minor urban areas within the Lake Zone. Programme funds shall be utilized for this purpose. SIDA undertook to propose Terms of Reference to be presented not later than January 31, 1993.

4. GENDER ISSUES

A Gender policy has been adopted in the Programme. The main objectives are:

- to create gender awareness to all actors and beneficiaries within the Programme; and
- to deliberately encourage the active participation of women in all Programme activities, especially in decision making, planning and implementation.

To ensure that the above objectives are realized the Programme has decided:

- to revise HESAWA course file on Gender Issues;
- to make a follow-up of the quota-system of gender representation in HESAWA village committees;
- to designate a HESAWA Gender Officer;
- to promote and carry out seminars, workshops and training on observing gender in planning and implementation;
- to define the gender approach in all sub-activities in Activity Plans and Budgets for the fiscal year 1993/94.

However, SIDA maintains the view that income generating or special women activities shall not be undertaken within the HESAWA Programme.

5. ENVIRONMENT

Measures to protect the environment were further stressed in the Programme.

Water tests indicate poor water quality in many wells and water points. This is in most cases attributed to poor protection of the environment around the source. All water points must be well managed and protected from pollution.

Improper land use in the catchment areas of gravity water supplies has serious implications for both water availability and water quality. All efforts must be made to ensure an environmentally sound management of all catchment areas. Proper land use planning and management is required.

It was agreed that a study on the environmental issues with emphasis on water shed problems will be made some time during June-August, 1993. SIDA undertook to draft Terms of Reference for the approval of the Programme Management at the latest 1st of March, 1993.

6. PROGRAMME ACTIVITIES

6.1 Human Resources Development (HRD)

The HRD objectives have been further developed to suit the needs of the programme as follows:

- to interact with communities to enhance their capacity to identify their own problems, to prioritize them, to plan and act to eliminate the causes of the problems;
- to create awareness among the people, especially in the rural areas, about health hazards caused by poor sanitation and bad water and how this situation can be improved;
- to train, build capacity and empower villagers, with special emphasis on women, to enable them to take command of their own social development process;
- to develop skills and knowledge to carry out HESAWA activities and to monitor and assess the achievements made;
- to support relevant institutions to enable them to assist effectively and efficiently in the HESAWA activities.

Detailed guide-lines have been developed to improve efficiency in HRD-activities. On the basis

of these, the Programme Management have introduced a number of new routines, aimed at improving:

- the identification of training needs;
- the planning of training activities, including the selection of trainees; and
- the monitoring and evaluation of training activities.

The Review Team noted problems related to late release of HRD-funds to the districts. Improved planning at all levels shall alleviate this situation.

In the future, training calendars shall be prepared at all levels from District to Zonal level. It is agreed that a workshop to chart out the Training Calendar for 1992/93 shall be held immediately after the Budget Review. The workshop shall involve trainers at district, regional and zonal levels.

It was agreed that the work of developing course files shall continue, hence be planned for and included in the HRD activities calendar. Unplanned training shall be discouraged.

It was further agreed that for all trainings without a course file, course plans shall be developed and approved before release of funds.

6.2 Study Groups

The Review Team maintains that the Study Group methodology is valid for functional adult learning. The activity shall be strengthened in the following aspects:

- it shall be directly under MAENDELEO department;
- it shall only operate in HESAWA villages coordinated with other planned activities;
- the formation of groups (not exceeding three per new village) should be initiated by the villagers themselves.
- the study group course contents should be revised to include HESAWA Concept and Gender Issues.

To avoid confusion arising from the word "programme" currently used to describe both HESAWA and Study Groups the latter shall from now on be

referred to, not as Study Group Programme (SGP) but as Study Group Activities (SGA).

6.3 Village Health Workers

It was agreed that for the larger villages the possibility of having more than two village health workers should be considered. HIV/AIDS must feature as important components of the VHWS training and be disseminated to all villages.

6.4 School Health Package

The school health activity is promising as an entry point to sensitize and mobilize the communities on health and sanitation. It was agreed that the activities shall continue on a pilot basis in Bunda, Ukerewe and Biharamulo Districts. It was further agreed that an evaluation shall be carried out before any decision is made on expansion to other districts.

6.5 Environmental Sanitation

The concept of environmental sanitation shall cover not only latrine construction, but also solid waste and wastewater disposal, water source protection, drainage and personal hygiene, including operation and maintenance of systems.

The Review Team noted with concern that the implementation of the sanitation activities is not satisfactory. It is recommended that management at district levels should pay more attention to sanitation. Promotion activities must be strengthened. It was agreed to carry out a study during 1993/94 on sanitary habits and cultural values pertaining to sanitation in the Programme area. The Programme Management will initiate the study.

Regarding household latrines it was agreed that affordability aspects should be particularly observed.

The present system of support to household latrines through a revolving fund mechanism does not work. It was agreed that this method shall be phased out gradually. Alternative approaches must be tested, e.g. latrines built with local materials only or provision of "free" slab if understructure of acceptable standard is constructed.

It was noted that in some areas, washing slabs are not used. The Review Team recommends that planning and construction of washing slabs shall respond to



genuine demand and expressed needs of the beneficiaries. The construction of washing slabs for demonstration can be viable method to create demand.

6.6 Promotion/Community Participation

The Review Team agreed to allocate to the HESAWA Directorate at Ministry of Community Development Women Affairs and Children, SEK 300000, as C-funds for promotion of the HESAWA concept at Central level for the financial year 1993/94.

It is essential that promotion activities are adjusted to local conditions and implementation capacity. The Joint Review Team also found it essential to reiterate the HESAWA policy on concentrating activities to villages/areas where there is expressed demand for the kind of services that HESAWA can provide.

One of the basic principles in HESAWA is to promote the ability of the village to plan and implement their own projects. Thus the HESAWA input into a village should be short term and catalytic in character.

There is a need to strengthen promotion in all districts, especially in districts without promotion officers. Districts shall identify their needs and request the Programme Management for additional support.

It was noted by the Review Team that there is a serious shortage of community development assistance (CDA) in the programme area, e.g. only three out of 15 HESAWA wards in Biharamulo District had a CDA. The MCDWC is urged to find solutions to this shortage in collaboration with relevant authorities.

Experience has proven that a period of three years is too short to achieve the targets set for an orderly phasing out. Particularly, it has been realized that there is a need to pay more attention to village mobilization, preparatory training, health education and sanitation aspects in the initial phase of village involvement as well as for a concluding year with emphasis on operation and maintenance, cost recovery and long term sustainability. It was agreed that the present three year programme intervention in village be extended to a five year period. The Programme Management shall work out modalities for making this process operational, to be presented at the next Annual Review.

6.7 Water Supply

According to HESAWA principles, the most efficient, sustainable and affordable technologies shall be adopted. It was agreed that Programme resources should concentrate on point sources and minor schemes (with coverage of only one village).

It was noted in the Evaluation Report that the quality of installations in the Programme was low due to under/overdesign and/or poor workmanship. The development of more appropriate designs, closer consultations with users, and a good plan for maintenance will help to establish more sustainable improvements. The Review Team stressed the importance for implementors to be conscious of quality aspects.

In order to ensure improved quality of installed water facility schemes, it was agreed that completion certificates for all installations shall be introduced. The Programme Management undertook to design suitable formats for these certificates.

The 1990 Review Team call for systematic mapping of all existing water installations. It was noted that the initial mapping had been completed in Mara Region and in progress in the other regions. It was agreed that the maps must be updated continuously.

Point Sources and Minor Water Schemes

It was reiterated that all water facilities should be handed over to the beneficiaries as soon as the grace period has elapsed, i.e. not later than one year after completion has been reported.

The Programme Management undertook to strengthen the cost recovery and operation and maintenance aspects of promotion, and to continue to investigate practical alternatives for a reliable supply of spare parts.

Piped Schemes

The amount of contribution from the users of the water should be related to the service provided. For piped water schemes the initial contribution for a domestic water point shall be equivalent to the contribution for a shallow well with Nira pump.

It was agreed that

- no new construction or rehabilitation of piped water supply schemes shall be started in any district until (i) ongoing schemes have been completed, and (ii) it has been shown that completed schemes are operational and have functioning systems for cost recovery and operation and maintenance;
- a scrutiny of technical designs, as well as of the potential for cost recovery, shall be carried out by a short-term consultant for all major water schemes prior to proposing any such scheme for SIDA financing;
- a phasing-out plan regarding support to trunk routes, including elaborate systems for cost recovery from users, shall be worked out by the Districts with support from the Regions.

Operation and Maintenance

During the promotion phase, villages shall be made fully aware of the costs and expected future expenditure. Prior to construction the funds collected for wells/handpumps shall be paid into a village HESAWA account for operation and maintenance. It was agreed that after the grace period the operation and maintenance costs shall automatically be the responsibility of the beneficiaries, and will thus not be financed by the Programme.

Contributions by beneficiaries shall not only aim at catering for operation and preventive maintenance of the installations, but also for rehabilitation and eventual replacement of the same. The Programme funds will only be utilized for initial investments and operation and maintenance during the grace period.

Costs for rehabilitation of installations after the grace period will not be met by the Programme.

It was agreed that two different systems for distribution of spare parts to villages shall be tested:

- establishment of a revolving fund at DWE's office, where spares will be made available for procurement by the users, and
- a private local dealer acting as an agent for the programme selling spares directly to the users.

It was agreed that the Programme Management shall develop terms of agreement for such procedures.

In both cases the users have to pay for the spares according to the market price.

Water Quality

Water quality surveillance shall be carried out regularly, results analyzed and preventive measures taken by relevant District and Regional authorities.

Drilling Activities

The use of the present rigs shall continue within HESAWA in line with the present practice and procedures as long as an acceptable performance is maintained.

The drilling crews today have incentives from the Programme in the form of 10 night-out allowances per month. It was agreed that the Programme Management shall investigate the justification for this form of reward or propose alternative production related incentive schemes.

Additional drilling activities depend on the results of the agreed study on drilling in hard rock formations. It was agreed that the Planning Reserve will be used for funding such additional drilling activities.

6.8 Material Supply

Procurement

It was noted that delays in local and international procurement still occur and have caused delays in Programme implementation. The late delivery of pipes and spare parts has negatively affected implementation. Hifab, responsible for international procurement, shall look for ways to alleviate this situation in future. The findings and proposals for improvements shall be reported to the Budget Review 1993.

It was agreed that continued efforts should be made to minimize delivery times and to ensure that the quality of procured material is up to acceptable standard.

Bulk Store

It was agreed that the Programme shall continue to maintain a Bulk Store of construction materials, equipment and spare parts. It was agreed that the Programme Management shall investigate if it is feasible to include pipes and fittings of all

sizes for gravity water supplies in the Bulk Store.

6.9 Transport

A transport study is undertaken and will be ready in mid-December, 1992. Comments from SIDA and the Programme Management shall be given before 31 January, 1993. It was agreed that these comments shall form the basis for decisions to be taken at the Budget Review in March 1993.

The result of the ongoing transport study will have implications on the future transport guidelines, among other things reallocation of old and procurement of new vehicles.

The Review Team stressed the importance of improving road safety and minimize the number of accidents. The Programme Management was urged to take strong action to ensure that drivers fulfil HESAWA requirements as to competence and traffic conduct. Drivers who do not fulfil these standards shall be replaced.

The report is expected to be completed mid-December.

Sale of Vehicles

In order to more efficiently utilize Programme resources, it is SIDA's stand that all programme vehicles due for replacement shall be sold at market price through competitive sealed tendering. The revenues from the sale will be credited the Planning Reserve.

The Government of Tanzania shall however have to propose alternative ways to dispose of HESAWA Programme vehicles. It was agreed that SIDA's stand will apply until such a proposal has been agreed upon.

6.10 The Consultants

The present contracts for the two consultants supporting the Programme-BCS and Hifab - expire June 30, 1993. A request for a one year prolongation of the contracts has been forwarded by the MCDWC to SIDA.

It was agreed that new one-year contracts shall be negotiated with BCS and Hifab on the basis of the existing ones. The MCDWC undertook to negotiate and sign a contract with BCS and SIDA undertook to do the same with Hifab.

For the four-year period it was agreed that pending the decision by the Swedish government on the future support to Tanzania, a tendering procedure for invitation of local and international consultants shall be initiated. The MCDWC undertook to propose Terms of Reference for the two consultancy assignments.

For the local consultancy support it was agreed that the MCDWC shall be responsible to invite tenderers, negotiate and contract the selected consultant. SIDA shall agree on the Terms of Reference, selection criteria, and mode of contract.

It was further agreed that SIDA shall procure the international consultant. The MCDWC shall however agree on the selection criteria and be fully involved in the final negotiations.

7. MONITORING, EVALUATION AND AUDITING

7.1 Reporting

It was noted with satisfaction that reporting has further improved, however a uniform system of reporting shall apply to all regions and districts. Furthermore the Coordinators and the Regional Advisers are urged to carefully check the accuracy of the statistics on implementation, budget and financial reports.

All districts without exception shall make a special report to the Annual Review on plans for phasing in and actual phasing out of villages.

7.2 Evaluation

An independent evaluation of the Programme was carried out by The International Water and Sanitation Center (IRC), The Hague, during May to September, 1992. A summary of the Evaluation Report is appended to the Supplementary Comments to the Review.

SIDA will forward comments to the findings of the Evaluation Report at the latest January 31, 1993.

7.3 Auditing

The Programme Management has strengthened the internal control systems and developed draft Financial and Stores Guidelines. SIDA will give its comments on the draft before February 1st, 1993.

The internal auditor of the programme has inspected transactions on all levels and improved the financial management systems. Due to the importance of good financial management it was agreed that an additional internal auditor be recruited.

It was further agreed that SIDA will finance a study in order to design an annual external auditing procedure covering the whole programme including all districts, regions and the zone. The results of the study will be available before 1st June 1993.

The Programme Management agreed that an audit following the new procedures shall take place during 1993/94.

8. FUNDS AND DISBURSEMENTS PROCEDURES

8.1 Local Funds

It was noted that local funds remain a problem to Programme implementation, both in terms of quantity and in terms of disbursement procedures. It was proposed that MCDWC in collaboration with relevant ministries should investigate ways of improving disbursement procedures. The findings of the investigations shall be made available to the Annual Review 1993. All districts shall budget adequately for planned HESAWA activities.

At the District level the District Executive Director is the warrant holder of the Council's funds.

All local funds earmarked for HESAWA activities shall be credited to the Districts' HESAWA accounts and utilized accordingly.

8.2 Foreign Funds

Funds budgeted for district activities, i.e human resources development and the Study Group Activities, shall continue to be channelled

through the district HESAWA accounts. As stipulated in the Specific Agreement such funds shall only be utilized for planned HESAWA activities. Failure to report the utilization and misuse of such funds will imply that further disbursements will be stopped immediately.

Plans and budgets shall be based on actual capacity, past performance and real costs. Adequate planning/implementation reserves will be provided for in the budget. These reserves can only be utilized after joint approval by MCDWC and SIDA.

It was agreed that funds in Planning Reserve committed for specific activities pending fulfillments of certain criteria can be approved by the Deputy Director.

To improve procedures a committee has been formed with the task of proposing changes of the present disbursement system. The committee, have representatives of the Ministry of Community Development, Women Affairs and Children, the Ministry of Finance, the Planning Commission, the Prime Minister and First Vice President's Office, SIDA and the HESAWA Programme Management. It was agreed that the committee shall continue its task to propose changes to the present methods of disbursing foreign funds. The MCDWC shall be responsible for convening committee meetings. Next meeting shall be held before 31st January, 1993. The finding and recommendations shall be presented to Budget Review 1993.

It was agreed that at the end of present agreement period, 30 June, 1994 a financial reconciliation shall be made to balance SIDA's accounts and the accounts of the Programme.

Currently, the zonal budget caters for all consultancy services, procurement of new vehicles, workshops etc in most cases meant for district/regional use. In order to correct this anomaly, it was agreed that the budgets shall be reviewed and prepared according to cost centers regardless of who actually makes the payment. This implies that the budget for the replacement of vehicles etc should be budgeted under respective district/regional budgets.

9. BUDGET

The present Specific Agreement is valid up to June 30, 1993.

Pending the decision by the Swedish Government the contribution for 1993/94 will be SEK 38 million. An indicative budget is enclosed, annex 2. Detailed allocations will be agreed upon during the Annual Budget Review.

It was agreed that:

- the Budget Review will take place in March, 1993;
- budgeting of D-funds shall be carried out at the same time as budgeting of local funds;
- documents to be discussed during the Budget Review shall be presented to SIDA and MCDWC at least three weeks prior to the start of the Budget Review.

10. REGIONAL ACTIVITIES

10.1 Kagera Region

The region was once more requested to look into the appropriate balance between piped water schemes and shallow wells.

It was agreed that Ngara District's request for a professional hydrogeologist to carry out survey for shallow wells shall be referred to RWE's office, Bukoba.

It was further agreed that District's request for a large scale ground water tank shall be scrutinized from a cost effectiveness point of view. Different alternatives of rain water harvesting have to be studied by the District and Region.

10.2 Mara Region

The Review Team is very concerned about the poor performance of Musoma Rural. SIDA funding to the district shall be stopped unless concrete measures are taken to improve the performance. Such decision shall be made during the next Annual Review.

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10.3 Mwanza Region

As stated in the Agreed Minutes of November 1990, Mwanza Municipality will be phased out by 30 June 1993. To establish operation and maintenance capacity and to meet commitments previously made by the Programme SEK 150.000 will be allocated for 1993/94.

It was agreed that an inventory of all installations as well as stocktaking and auditing of all materials and equipment provided to the district shall be made before end of June 1993 to facilitate the eventual handing over.

11. NEW AGREEMENT

11.1 Prolongation of Present Agreement

It was noted that the present Specific Agreement expired June 30, 1993. A request has been forwarded by MCDWC to SIDA for a one-year prolongation of the Agreement in order to have time to prepare a new long-term Agreement period.

It was agreed that the MCDWC shall forward a summarized Plan of Action covering the period July, 1993 - June, 1994 to SIDA for the prolongation of the present Agreement, not later than January 31, 1993.

11.2 Four Year Agreement

Pending the decision by the Government of Sweden, it is envisaged that upon request by the Government of Tanzania a new Specific Agreement for Rural Water Supply, Environmental Sanitation and Health Education (HESAWA) will be entered into from 1 July, 1994.

In order to prepare for such an Agreement and the procurement of an international consultant for support to the Programme, it was agreed that the MCDWC shall forward proposed Terms of Reference for the international consultancy procurement to SIDA not later than May 1, 1993.

It was agreed that a short-term consultant shall be contracted to prepare the Plan of Action based on the past performance and capacity of districts and regions. The Programme Management undertook to develop Terms of Reference for such a consultancy, which shall be carried out before August, 1993.

However, the implementation of such plans shall be based on the Plan of Operations prepared by villages, districts, regions and the zonal office.

Terms of Reference for the study shall be submitted to SIDA by the Programme Management at the latest first week of February, 1993.

12. NEXT ANNUAL REVIEW


It was agreed that the next Annual Review will be held November 8-19, 1993.

Annual Reports, Action Plans and any other relevant reports or documents to be considered during the Joint Annual Review shall be presented to SIDA one month prior to the start of the Review, i.e not later than October 11, 1993. Status report for the first quarter 1993/94 shall be presented to the Annual Review.

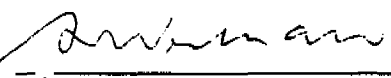
It was agreed that it is the responsibility of MCDWC to ensure that all relevant documents are made available to Review Team members.

These Minutes shall be put into effect as from the date of signature, if not otherwise specifically stated herein.

Done in Dar es Salaam, December 2 ,1992.



 Signed on behalf of
 The Ministry of
 Community Development
 Women Affairs and Children



 Signed on behalf of
 Swedish International
 Development Authority

TERMS OF REFERENCE FOR HESAWA ANNUAL REVIEW 1992

Place: Musoma, Mwanza and Bukoba: Review of all the three HESAWA Regions and their Districts.

Mwanza: Review of Zonal Office and the Consultants.

Dar es Salaam: Finalisation and signing of Agreed Minutes.

Time: November 16 - 27, 1992

<u>Review Team:</u>	SIDA	5
	Prime Minister's and 1st Vice President's Office	1
	Ministry of Community Development, Women Affairs and Children	3
	Planning Commission	1
	Ministry of Finance	1
	Ministry of Water, Energy and Minerals	1
	Ministry of Health	1
	RDDs and DEDs (to join the Review Team when their respective Regions/Districts are reviewed)	

Review Tasks and Procedures:

Task I. 1991/92 Annual Progress Reports and Analyses.

To be carried out by the Review Team through,
 - study of reports and analyses,
 - briefs by RHCs and DEDs/DHCs, Zonal Office and Consultants,
 - discussions with Regional, District and Zonal representatives.

Task II. Draft Action Plans and Budgets for 1993/94.

Regional and District representatives will present their Draft Action Plans and Budgets for 1993/94.

Task III. Subject Matters.

The following subject matters will be covered by the Review Team:

- HESAWA Evaluation Study Report,
- HESAWA Transport Study, Preliminary Report
- Plans for Extension of Agreement, 1993/94,
- Discussions on planning and preparations for the 3-year extension of the Agreement, 1994/95 - 1996/97,
- Hard Rock Drilling in the Programme Areas,

- Hard Rock Drilling in the Programme Areas,
- Strategy to strengthen Gender Issues within the Programme,
- Report on revised scope of the Study Group Programme,
- Report on Revolving Funds,
- Report on phasing in/phasing out progress,
- Progress reports on:
 - a) increasing awareness in the villages on cost recovery and operation and maintenance aspects,
 - b) practical alternatives for continuous and reliable supply of hand pumps and spare parts,
 - c) programme to establish standard designs for the most common types of water facilities,
 - d) revision of the grace period concept.
- Evaluation of experiences of electrified and solar schemes.
- Reporting system on the status of water activities.
- Reports on development of guidelines:
 - a) Human Resources Development,
 - b) Village Health Workers Programme,
 - c) School Health and Sanitation Package,
 - d) Environmental Sanitation,
 - e) Gender Issues,
 - f) Transport,
 - g) Phasing in/Phasing out,
 - h) Financial Procedures.
- Printing of Local Government Acts.
- Reports on mapping of existing water installations.
- Reports on the status of ongoing schemes, including the extent of completion, actual and planned costs, and systems for cost recovery and operation & maintenance.
- Auditing.
- Principles for support to institutions.
- Plans for gradual scaling down of Zonal Office.

Background Material:

- Annual Physical and Financial Progress Reports and Analyses,
- Draft Action Plans and Budgets for 1993/94,
- Consultants' Reports,
- Other relevant Reports (see Matters for Discussion)

AGREED BUDGET FRAMES 1993/94 (SEK '000)

KAGERA

Regional	1050	
Bukoba Rural	1080	
Biharamulo	1070	
Karagwe	1030	
Muleba	1030	
Ngara	440	
Total	5700	5700

MARA

Regional	1050	
Musoma Rural	375	
Bunda	1225	
Serengeti	900	
Tarime	450	
Total	4000	4000

MWANZA

Regional	910	
Magu	1070	
Mwanza Municipality	150	
kwimba	1770	
Ukerewe	600	
Geita	430	
Sengerema	370	
Total	5300	5300

Total Regions/Districts	15000	15000
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MCDWC DAR ES SALAAM

* Promotion C-Funds	300	300
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Zonal Office	5000	5000	Incl Stores&Trp
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Contracted Services	9800	9800
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Procurement of vehicles	3500	3500	Alloc to regions
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Planning Reserve	1400	1400
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* Drilling Programme	3000	3000	Alloc to regions
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Grand total	38000	38000
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Expected revenue of sales of vehicles	460	460
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Chapter III :

**THE REVIEW TEAM'S SUPPLEMENTARY
COMMENTS TO THE AGREED MINUTES;
SUMMARY OF EXTERNAL EVALUATION**

Chapter 3:

THE REVIEW TEAM'S SUPPLEMENTARY COMMENTS TO THE AGREED MINUTES

1. INTRODUCTION

The 1992 Joint Review of the Hesawa Programme was in the last year of the 1990/91 - 1992/93 Programme period. Programme activities are governed by the attached Specific Agreement (Appendix 1) and Plan of Action (dated 1989.12.20).

The Review was held in Musoma, Mwanza, Bukoba and Dar es Salaam November 16-27, 1992. Representatives of the Ministry of Community Development, Women Affairs and Children, the Prime Minister and 1st Vice President's Office, the Ministry of Finance and the Ministry of Water, Energy and Minerals, as well as representatives of the Kagera, Mara and Mwanza Regions and Districts, the Consultant and SIDA, participated in the Review. For terms of reference, please refer to Appendix 3, and for participants to Appendix 4.

The Review discussions were based on the following documents:

- Report from The Zonal Hesawa Coordination Office;
- Regional and District Hesawa Review Documents from the Kagera, Mara and Mwanza Regions: Annual Reports FY 1991/92 and Action Plans and Tentative Budgets for 1993/94;
- The Consultant's Report 1991/92.

The discussions held are either reflected in the Agreed Minutes or in these Comments, or both. These Comments do not exhaustively cover the discussions held during the review, but rather reflect discussions on some of the major subjects.

2. GENERAL

2.1 Policy Issues

As noted in the Agreed Minutes, the classification of districts as integrated or non-integrated is considered obsolete, instead resources will be allocated on the basis of past performance and actual needs.

The present Programme organization will gradually be integrated into existing Government structure. In this perspective an independent consultant shall work out proposals of a gradual scaling down of the Zonal Hesawa Coordination Office. The Zonal Office shall concentrate on strategic issues, policy making, monitoring and control.

The issue of village focus is very strategic. Efforts to further strengthen village involvement will be made at all levels including the Zonal Office.

While capacity is being built at the village level, the intermediary levels, in particular the districts, will play important roles as supporters and facilitators. Continued efforts should be made to identify routines and procedures that will make them efficient in this task. Based on experiences from the so called non-integrated districts a separate Hesawa-structure on district level should be avoided.

2.2 Implementation in 1991/92

Performance

The Zonal HESAWA Co-ordination Office presented "Brief on Hesawa Programme Implementation; Performance during 1991/92". The Review, which is enclosed in Chapter 5, indicates that physical output within the Programme had improved in 1991/92 as compared to 1990/91. This positive trend was noted with great satisfaction.

A Budget Follow-up for 1991/92 will be found in Appendix 5.

Evaluation, Impact Assessment and Reporting

An independent evaluation was carried out during May to September 1992. The Executive Summary of the evaluation is enclosed. The Hesawa programme has made a number of major achievements but the long-term sustainability is still open to question. The various installations are often of poor quality and the standard of workmanship must be improved.

In-depth studies in a small sample of villages would provide useful qualitative data in addition to the findings of the evaluation.

Steps should be taken to facilitate the follow-up of implementation and more base-line information should be collected and analyzed before intervention in a new village. Impact should be measured a few years after the completion of activities.

Reports should not only center on physical implementation, but also deal with other aspects important to sustainability. Examples of such aspects are the systems that the villages have set up for the operation and maintenance of the facilities. Cost recovery aspects are important in this respect.

It is of great importance that cost implications of various activities, not only water, are brought to the attention of the villagers prior to intervention.

Cost Awareness

Cost recovery aspects are closely linked to cost awareness. As long as cost awareness is poorly developed, it will be difficult to introduce appropriate cost recovery systems. The Programme Management will work out procedures for cost analysis of all activities, and develop methods of dispersing knowledge on cost aspects through course files and other training activities. As a first step, the costs of material would be identified, but the ultimate intention will be to identify all costs relating to a certain activity.

Auditing

Some of the audits carried out in the Programme are still to be commented on by the Tanzanian Authorities. The agreements made in the Minutes of the Annual Review 1991 (section 6.3) are still valid.

Phasing in/Phasing out

In the Agreed Minutes, section 6.6, it is stated that the intervention in a village will be extended from a three to a five year period.

The prolonged phasing-in/phasing out cycle should be thoroughly discussed among all parties involved in planning and implementation, among district implementors and villagers/beneficiaries. The districts must clarify all the practical implications of the strategy and assess their capacity of implementing it and the villagers/beneficiaries must develop a thorough understanding of the positive aspects of the concept. It is also of utmost importance to get continuous and systematic feed back from the promotion staff in the field about their experience of the process in the villages in order to adjust and amend the strategy according to the real conditions prevailing.

Procedures for handing over completed facilities must be further developed and adhered to. The introduction of completion certificate as agreed in section 6.7 is an important step in this direction.

Other Actors

It was noted that other actors, such as the UNICEF, support activities in Hesawa areas. The Programme Management will maintain contacts to achieve efficient coordination between these actors and Hesawa.

2.3 Organization and Management

The positive development of the Zonal Hesawa Co-ordination Office was noted with satisfaction.

The improved capacity of the Office was evident from the increased number of specialized reports on key Hesawa subjects, such as training, gender and health/sanitation.

It was also noticeable that planning procedures, as well as financial accounting and reporting procedures, had been improved.

Funds budgeted for district activities, e.g. human resources development shall continue to be channelled through the District Hesawa Accounts. In order to expedite banktransfers from ZHCO, recipient districts shall be notified of the transfer. It is expected that the two offices will collaborate to ensure effective and timely transfer and receipt of funds is taking place.

3. GENDER ISSUES

Women play a key role in the Hesawa Programme. It was noted with satisfaction that a realistic gender policy has been adopted in the Programme.

A Plan of Action for Women Oriented Development Assistance will be found in Appendix 6.

4. PROGRAMME ACTIVITIES**4.1 Human Resources Development**

The efforts to streamline human resources development activities were noted with satisfaction. In accordance with the Hesawa principles, village level training should be given the highest priority in all training activities.

4.2 Health Education and Environmental Sanitation

It was noted with satisfaction that considerable work had been done to develop Hesawa's approach to health education and environmental sanitation.

4.3 Promotion/Community Participation

Experience had shown that information meetings with local leaders and officials are important to increase their commitment to Hesawa activities.

4.4 Water Supply

Certain larger water schemes appear difficult to combine with the Hesawa principles of village planning and implementation. For this reason, the phasing-out plan regarding support to the trunk routes is a priority matter.

It was noted that two set-ups for O/M systems existed, the Kwimba model, where the Pump mechanic is paid by the District Council and the other model where the pump mechanic is expected to charge fees to the user groups upon completion of services. It is recommended that the two models should be closely monitored by the Programme Management and feed-back onto their functioning be presented to next Annual Review.

The choice of technologies must be based on the need felt in villages. The most viable approach should be to start improving with available local resources e.g. ITWS's and then proceed to shallow well technology and so on.

The SWN-pump is the most common handpump in the Programme. However, the local manufacturing of the SWN-pump has failed and furthermore, it is not adapted to village level operation. This problem should be further studied to avoid a situation when sustainability is jeopardized due to choice of inappropriate handpumps.

A reliable supply of spare parts is fundamental for the sustainability of the programme. Greater involvement from the local private sector is encouraged.

5.

OTHER MATTERS

It was noted that the recent draught had negatively affected programme implementation in parts of Mara Region.

EXECUTIVE SUMMARY

Introduction

An external evaluation of the SIDA supported Health through Sanitation and Water (HESAWA) programme in Tanzania was conducted between May and September, 1992, by a team from the IRC International Water and Sanitation Centre, The Hague, The Netherlands, in partnership with the Tanzania and Kenya offices of the African Medical and Research Foundation (AMREF).

A participatory approach was used, involving community members and programme staff at all levels.

The evaluation was to have five focal points:

- * The relevance of the HESAWA approach in meeting programme goals.*
- * The level of goal attainment reached by the programme to date.*
- * The efficiency and effectiveness of the investment made so far.*
- * The long-term sustainability of programme impacts and approach.*
- * The lessons learned from programme implementation.*

In interpreting the terms of reference, the evaluators placed primary emphasis on the principle impacts of the programme on the one hand, and long-term sustainability on the other.

The HESAWA programme is large and complex, and covers a very wide geographic area. An evaluation carried out over a relatively short period of time must inevitably be somewhat selective, and cannot cover all issues in depth. The principal purpose of this evaluation was to review the achievements of the programme to date and map out key issues to be addressed in the next programme period. The Terms of Reference do not require the evaluators to provide detailed formulations for future directions or suggest specific solutions to current problems. The people best placed to work out detailed solutions are those directly working in the programme. This report attempts to provide a broad background for the detailed planning of the next phase of activities, indicating key issues to be addressed.

The HESAWA programme

The HESAWA programme began in 1985 on the basis of a Specific Agreement between Tanzania and Sweden on cooperation concerning rural water supply,

environmental sanitation and health education. The programme area covers the Lake Zone, made up of Kagera, Mara and Mwanza regions, which border Lake Victoria.

The overall aim of the programme is to improve the welfare of the rural population through improved health education, environmental sanitation, drinking water supply, community participation, and capability and capacity building at village and district levels.

The HESAWA cornerstones are active community participation in decision-making, planning and implementation, and human resources development. Development priorities are to be set by the villages, with planning assistance from Maendeleo. District technical departments are to advise and support the villages in making their development goals both achievable and sustainable.

The pillars or principles on which HESAWA activities are to be founded are:

- * Affordability*
- * Sustainability*
- * Replicability*
- * Credibility*
- * Cost-efficiency*

The basic assumption made is that the water, sanitation and health facilities constructed through the programme will be operated and maintained to the fullest possible extent by the villagers themselves, making maximum use of local financial, manpower, and material resources and capacities.

Villages are brought into the HESAWA programme on the basis of requests for assistance made in their own development plans. Once involved, villages are expected to form HESAWA committees and open village HESAWA accounts. Water supply and sanitation needs are identified, and an implementation plan made. Once water supplies have been installed, they are maintained by the district for a one year grace period after completion, and then handed over to the village. The village is then expected to take care of most operation and maintenance, using funds from its HESAWA account to meet the necessary expenses. Training and human resource development inputs help to prepare the committees, and other people at ward and village level, to manage the water systems in the long term.

The programme's technical activities are accompanied by a broad programme of human resource development and health and hygiene education. Activities include support to and training of village HESAWA committees, the training of Village Health Workers (VHWs) and Traditional Birth Attendants (TBAs) to promote improved health and hygiene practices, household and institutional latrine building programmes, and the formation of village study groups to encourage self-help activities.

Of the 15 districts in the Lake zone, seven have so far been designated as "integrated" districts. This means they receive a full resource package through the

programme, including in almost all cases the provision of additional consultant personnel and vehicles to assist in programme development and integration. The remaining eight districts are all involved in the programme, but with a lower level of external assistance and more modest budgets. In principle, all districts will enjoy integrated status at some time or another, through a process of phasing in and phasing out. The phasing in/phasing out principle is also extended to the villages involved in the programme, with assistance being offered for a period of time until basic goals are attained. In theory, this approach should allow all districts and villages to enjoy the full support of the programme for a sufficient period of time, though in practice this may be difficult to achieve.

Achievements of the HESAWA programme

On the basis of the evaluation findings, the major achievements of the HESAWA programme to date can be summarized as follows:

- * The creation of an improved potential for the reduction of diseases and the achievement of general health and hygiene improvement, recognized and acknowledged by the villagers themselves;*
- * Increased coverage of improved water supply in the Lake Zone;*
- * Acceptance by both government workers and villagers of more appropriate, affordable, and sustainable water supply technologies, including rainwater harvesting systems and improved traditional water sources;*
- * Positive steps forward in promoting and operationalizing a community-based approach;*
- * Impacts at village level in terms of greater convenience and quantity of water supply, cleaner and safer water, time gains, reductions in burdens, and opportunities to improve nutrition through garden watering;*
- * Increases in knowledge, skills and capacities at regional, district and village level for planning, implementing and operating and maintaining water supply improvements and, to a lesser extent, hygiene and health activities;*
- * Progress in transferring implementation responsibility from regions to districts, through the use of inter-departmental promotion teams working at village level.*

The HESAWA cornerstones

Progress with the community participation approach has been substantial, but not significant enough as yet to ensure that the legacies of the HESAWA programme will last. While communities are involved far more than in the past, they still have little real choice

in the options offered by the programme. In many respects, the package is offered in a ready made form which only limited scope for negotiation and adaptation. Ways still need to be found to introduce more flexibility and allow communities more power and decision making authority in determining the kind of health, sanitation, and water improvements which they wish to make.

The HRD programme has gathered strength as the programme has developed, and is now in a position of prominence. The effectiveness of many HRD activities is generally hard to assess, however, and it is not certain that real value for money is being obtained in development terms from the investments made. Commitment to the HRD programme needs to be further strengthened and a truly participatory approach established in both its development and execution.

The five focal points

The principle findings in relation to the five focal points of the programme evaluation are as follows:

In terms of relevance in meeting programme goals, the current HESAWA approach has many strengths. The most important of these have been summarized above, and include the adoption of simple water supply technologies and the strengthening of community participation and HRD. From the community point of view, the improvement of the water supply situation is highly relevant to perceived development needs, though with some reservations. These include that programme interventions are not always leading to an even distribution of benefits, that the improvements made are to often of an insufficiently high technical standard and low reliability, and that full account is not taken of all water use needs, particularly in relation to economic uses.

The greatest question mark as far as relevance is concerned relates to the Study Group Programme. Though exciting in concept, the SGP appears to be delivering far less than it promises and does not seem to fit comfortably into the programme as a whole. The future of the latrines programme and the improvement of traditional water sources does not necessarily depend upon the SGP, and it should be seriously asked whether it would be missed if it was simply dropped from the programme.

The relevance of the current approach to sanitation improvement is also questionable. The popular response to the options offered by the programme has been very poor, indicating that the construction of improved latrines is a low priority and may not be worth the investment currently required. Given the importance of the sanitation component for the achievement of health goals, further work must be done to ensure that it fills a far more central role in programme priorities and activities.

The level of goal attainment reached by the programme to date can be said to be mixed. Many basic goals in water supply development and the introduction and establishment of the HESAWA concept and approach are being attained to a very significant degree. The more complex goals such as strengthening capacities at all levels,

increasing the involvement of women and communities in general, encouraging decentralization and self-reliance, and changing health and hygiene behaviours, are understandably proving more difficult to reach. As far as goal attainment is concerned, HESAWA has only recently begun to achieve success and much remains to be done. Given the radical change of approach signalled by HESAWA, however, what has been achieved to date is of great importance.

The efficiency and effectiveness of the investment made so far is very hard to assess. HESAWA is to a very large extent a human and social, rather than a technical, development programme and the returns on the investment made may not be felt for a long time. Few of the qualitative goals of the programme have been closely enough defined to make an analysis on the basis of cost effectiveness possible at this stage. Improvements are also needed in financial monitoring and reporting systems to provide data of sufficient quality to make cost analyses possible. In general terms, however, there is clearly plenty of scope to improve efficiency within the programme as a whole, both in terms of reducing overhead costs and in strengthening management and implementation capacities and procedures.

At this stage the long-term sustainability of programme impacts and approach is very much open to question. Programme impacts have been important and substantial, and the approach is increasingly well understood. At the community level, however, the real prospects for sustainability have yet to be tested. Within the government system, HESAWA still has the character of an external programme with no guarantee as yet that the basic approach will be permanently absorbed.

The lessons learned from programme implementation are too numerous to list here. While it is certainly true that as many lessons have been learned from shortcomings as from successes, the willingness seen by the evaluation team of those involved at all levels to view their actions and achievements in a critical way is an encouraging sign for the future development of the programme.

The single most important lesson learned is the most obvious one: that a community based approach to development which aims at long term sustainability can not be achieved without a great deal of struggle and the overcoming of many complex problems. Many of those involved with HESAWA appear to have learned that new ideas can be successfully introduced, and that people's views and expectations can be changed, but not without considerable commitment and effort.

An important lesson learned from the evaluation is that if an enterprise as ambitious as HESAWA is to successfully undertaken, it is of the greatest importance that the concept itself is thought through as thoroughly as possible in clear operational terms. The greatest shortcoming of the HESAWA programme at present is the simple failure to fully think through the post-construction phases at village level, and ensure that an adequate support structure is in place to allow communities to take on their roles as managers. Similarly, the introduction of the distinction between integrated and non-integrated districts and the concept of phasing in and phasing out at all levels have created many dilemmas. At present, the programme is able to integrate and phase in, but

has not yet learned how to scale down and phase out.

Future directions

The HESAWA programme shows great potential, and promises to make major contributions both to the health and welfare of the nearly five million Tanzanians living around Lake Victoria and to national development as a whole. While the difficulties which lie ahead should not be under-estimated, all of those involved should move forward with confidence and seek to further build on the many achievements they have already made.

The evaluation team recommends that the following issues be given priority in the next programme period:

- * An operational and effective system for supporting community managed operation and maintenance, including the sale and distribution of spare parts, is to be put in place as a matter of the greatest urgency.*
- * The conceptual and operational details of the implementation strategy, particularly in relation to phasing in and out and handing over at village level, and the phasing in and out of districts, should be closely reviewed. The possibility of eliminating the distinction between integrated and non-integrated districts should be investigated.*
- * Efforts should be continued and strengthened to merge the HESAWA programme more effectively into the existing government structure. This should include the scaling down of dependence on non-government staff, beginning with the adoption of a more explicit advisory rather than managerial role for many of the consultants, and a progressive reduction in the dominance of the Zonal Coordination Office. These processes should be undertaken with caution, but with noticeable effect. Closer coordination among involved ministries should also be achieved at the national level.*
- * Efforts should continue in promoting the HESAWA concept and approach at all levels.*
- * The role of women in the HESAWA programme should continue to be strengthened. The gender awareness programme should be closely reviewed to assess its impact, and investigate ways in which it can be both strengthened and made more adaptable to the Tanzanian context and variations in local conditions in the Lake Zone.*
- * Efforts should continue to be made to strengthen management capabilities at all levels, and particularly in the districts and villages. Financial management should be given particularly close attention, with a view to greater decentralization of financial control.*

- * *Monitoring and information management systems should be developed and strengthened to support more effective planning, coordination, implementation, and the provision of advice and support to communities.*
- * *Development of appropriate water supply and sanitation technologies should continue, and standards of workmanship improved.*
- * *Discussion should continue on the possibility of promoting broader uses of water, including economic uses, to more thoroughly meet village felt needs. Where economic use is not feasible, this should be more clearly explained to community members.*
- * *Efforts should be made to more closely integrate and consolidate the HRD and health, hygiene and sanitation components of the programme.*
- * *Further development of the HRD component should seek to maximize the involvement of operational staff in the overall development of the HRD package and the design and production of supporting materials.*
- * *The programme should actively encourage greater involvement from the local private sector in both implementation, and the manufacture and distribution of spare parts.*
- * *The trend towards greater local procurement, and the lessening of dependence on foreign goods in the programme, should continue to be strengthened.*
- * *Serious consideration should be given to either dropping or radically altering the Study Group Programme. If it is to be retained, every effort should be made to ensure that it produces clear benefits.*

Chapter IV :

SUMMARY OF AGREED EVENTS

SUMMARY OF AGREED EVENTS AND DEADLINES - AGREED MINUTES 1992

<u>Date</u>	<u>Activity</u>	<u>Action by</u>
Urgent	MCDWC is urged to find solution to the shortage of CDAs.	MCDWC, p.8
1992/93	Programme Management to work out modalities for making the new extended phasing in/out process operational. To be presented to the next Annual Review.	Progr. Mgt p.8
1992/93	Completion certificates for all installations shall be introduced. Design of suitable formats for these certificates to be done.	Progr. Mgt p.9
1992/93	To strengthen the cost recovery and O/M aspects of promotion and to investigate practical alternatives for spare part supply.	Progr. Mgt p.9
Jan 31 1993	Programme Management to propose Terms of Reference for above study.	Progr. Mgt p.3
Jan 31 1993	SIDA to propose ToR for a special study on water supply and environmental sanitation in one district headquarter in each region. Study to take place during 1992/93.	SIDA, p.4
Jan 31 1993	Comments on the Transport study shall be given and submitted to the Transport study team.	Progr. Mgt/ SIDA, p.12
Jan 31 1993	One year extended contracts to be negotiated with BCS and HIFAB. Amendments to Specific Agreement to be presented by Programme Mgt.	MCDWC/SIDA Progr. Mgt p.12
Jan 31 1993	Comments on the findings of the Evaluation Report.	SIDA, p.13
Jan 31 1993	MCDWC to invite to "C/D-fund Committee" meeting.	MCDWC, p.15
Jan 31 1993	MCDWC to forward to SIDA a summarized Plan of Action covering the period July 1993 to June 1994.	MCDWC, p.17
Feb 1 1993	Financial and Stores Guidelines, comments to be given to HESAWA.	SIDA, p.14
Feb 1 1993	ToR to be proposed for short term consultancy to assist in prepara-	Progr. Mgt p. 18

tions of the Plan of Action for the forthcoming four year agreement period. To be submitted to SIDA.

Mar 1 1993	A study on environmental issues with emphasis on mater shed problems will be made during June-August, 1993. SIDA undertook to propose ToR.	SIDA, p.5
Mar 1 1993	Two different systems for distribution of spareparts to be tested during 1993/94. ToR to be worked out by Programme Management.	Progr. Mgt p.10
Mar 1 1993	Due to delayed deliveries of procured material implementation has been hampered. Findings and proposals to alleviate delay in international procurments shall be reported to the Budget Review.	HIFAB Int'l AB p.11
Mar 1 1993	To be investigated if it is feasible to include, in the Bulk store, pipes and fittings of all sizes used in HESAWA Programme for gravity water supplies.	Progr. Mgt p.11
Mar 1 1993	Findings from the "C/D-fund Committee" meeting to be presented to next Budget Review.	C/D-fund Com./ MCDWC
Apr 10 1993	Workshop to be held, immediately after the Budget Review, to chart out the Training Calendar for 1992/93 and 1993/94	Progr. Mgt p.6
May 1 1993	Investigate the justification for 10 night-out allowances per month to drilling crews. Proposal of alternative incentive schemes to be worked out.	Progr. Mgt p.11
May 31 1993	For the new four year Agreement period a tendering procedure for invitation of local and international consultants shall be initiated. ToR for the two consultancy assignments will be proposed by MCDWC. Approval shall be given from MCDWC and SIDA regarding ToR, selection criterias, etc for both consultancy assignments.	MCDWC. p.13 MCDWC/SIDA p.13

Jun 1 1993	Study and findings of yearly audits covering the whole Programme	SIDA, p.14
Jun 20 1993	Inventory, stocktaking and auditing to take place in Mwanza Municipality	ZHCO, RHCO, Mwanza Municip p.17
Jun 30 1994	Financial reconciliation of Programme funds recorded by SIDA respectively by HESAWA Progr.	SIDA/MCDWC
Not de- cided	Evaluation of the School Health Package to take place prior to expansion to other districts.	Progr. Mgt/ SIDA, p.7
Not de- cided	Implementation of sanitation activities are not satisfactory. A study to be carried out during 1993/94 on sanitary habits and cultural values pertaining to sanitation in the Programme areas. Programme Management to initiate the study.	Progr. Mgt p.7
Early 1993/94	Independent consultant to work out proposals and recommendations to scale down Zonal Office. ToR to be proposed to SIDA.	Progr. Mgt p.3
Jul 1 1993	Recruitment of an additional internal auditor.	Progr. Mgt p.14
Oct 11 1993	Musoma Rural shall take concrete measures to improve performance.	DED/RDD Mara p.16

Chapter V :

BRIEF ON PROGRAMME IMPLEMENTATION

BRIEF ON HESAWA PROGRAMME IMPLEMENTATION

PERFORMANCE DURING 1991/92

1. General

According to the Action Plan for 1990/91 - 1992/93 particular emphasis was, during the coming phase, to be given to consolidation of HESAWA principles and objectives while Programme growth was to be determined by the capacities of the implementing agencies, i.e. the districts. These directives have constituted the overall guiding principles for the actual Programme planning and implementation in 1990/91 and 1991/92 and for the planning of 1992/93. In line with these principles strong emphasis has also been given to increased efficiency of implementation for the benefit of the target group, namely the villagers.

To promote the realization of the above objectives certain crucial aspects have been identified by the Programme Management for special attention and concern during the current Programme phase. Some of these are listed below including measures taken to strengthen these aspects in the Programme:

- a) Programme involvement of key actors at district and regional levels: increased Programme involvement through, 1. introduction of RDDs' and DEDs' semi-annual meeting, 2. involvement of representatives from all the fifteen districts in the quarterly coordination meetings, 3. involvement from representatives of all the districts in the quarterly promotion meetings.
- b) Clarification and promotion of the HESAWA concept: discussions, workshops and seminars at all Programme levels and development of HESAWA Concept course file.
- c) Gender awareness: vigorous discussions within the Programme, workshops and seminars and development of Gender course file and introduction of gender planning.
- d) Operation and maintenance and cost recovery: initiation of discussions on the topic at all Programme levels, planning for establishment of revolving funds for spare parts and/or the involvement of private dealers during 1992/93, ensuring inclusion of the topic in village promotion and contacts with local companies for manufacturing of spares.
- e) Planning, budgeting and reporting: Continuous work on capacity building and improving upon the systems and procedures for Programme planning, budgeting and reporting.

2. Implementation Trends

In the Agreed Minutes of 1991 (3.2, p. 3), it was noted with satisfaction that Programme output had improved considerably during 1990/91 as compared to 1989/90. Simultaneously, however, the substantial backlog of uncompleted activities observed from the reports was noted with concern. It was agreed that this problem, generally related to unrealistic planning, be given special attention during 1991/92.

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Below summaries are given for the financial year of 1991/92 as compared to 1990/91 on, 1. accomplishments in relation to planned targets, 2. actual physical output and 3. financial utilization in relation to physical output.

2.1 Accomplishments in Relation to Planned Targets

The table below gives an overview of Programme performance in relation to planned targets in 1990/91 and 1991/92.

Table 1. Percentage of Actual Implementation in Relation to Planned Targets - 1990/91 and 1991/92

	KAGERA		MWANZA		MARA		TOTAL	
	90/91	91/92	90/91	91/92	90/91	91/92	90/91	91/92
	%	%	%	%	%	%	%	%
S/Ws	78	100	101	101	83	114	90	103
ITWSs	74	53	91	87	98	106	86	72
W/Ss	45	33	66	75	14	78	38	54
I RWH	-	100	38	86	0	0	30	70
HH RWH	62	238	15	50	33	-	37	118
I LAT	36	71	27	91	109	79	59	81
HH LAT	34	39	17	19	10	0	19	22
W SLABS	3	44	0	89	0	0	1	60
VHWs	102	86	98	107	63	95	86	98

(S/Ws = Shallow Wells, ITWSs = Improved Traditional Water Sources, W/Ss = Piped Water Supplies, I RWH = Institutional Rain Water Harvesting, HH RWH = Household Rain Water Harvesting, I LAT = Institutional Latrines, HH LAT = Household Latrines, W Slabs = Washing Slabs, VHWs = Village Health Workers)

The figures in the table indicate that the positive trend in Programme accomplishment in terms of rate of implementation in relation to planned targets noted in the Annual Review Report of 1990/91 has continued in 1991/92. As compared to 1990/91 all the key activities listed in the table show a higher implementation rate in 1991/92, except construction of improved traditional water sources. A comparison over the three-year period of 1989/90 - 1991/92 even further accentuates this tendency (Table 2).

Table 2. Percentage of Actual Implementation in Relation to Planned Targets - 1989/90, 1990/91 and 1991/92 - Zonal Totals

	89/90	90/91	91/92
	%	%	%
S/Ws	53	90	103
ITWSs	36	86	72
W/Ss	13	38	54
I RWH	33	30	70
HH RWH	80	37	118
I LAT	10	59	81
HH LAT	10	19	22
W SLABS	13	1	60
VHWs	81	86	98

The general tendency implied by these figures can be interpreted in terms of a more realistic district planning in combination with increased implementation capacity. Still the implementation of some activities is unsatisfactorily below planned targets. Construction of water schemes and latrinization are two such activities. Although there is some improvement in the implementation of water schemes, this activity needs special attention and strengthening. The same applies to construction of household latrines. The Programme Management has recently come up with a proposal on a new approach to the issue of revolving funds for latrinization. Greater emphasis is also to be given to sanitation in the early stages of Programme involvement in new villages.

2.2 Physical Output

Turning to physical output the picture of a generally improved Programme performance is retained. The output of all the main activities (Table 3) was higher in 1991/92 as compared to 1990/91 with the exception again for improved traditional water sources. Especially encouraging is the steadily increasing output of ring wells and tube wells. The districts, in spite of many difficult constraints, have managed not only to achieve their planned targets but also in several cases to exceed them and in actual numbers construct more wells in 1991/92 than in 1990/91, i.e. 306 as compared to 256.

A most serious impediment to implementation in this field of activity beyond the control of the districts is the occurrence of hard rock formations and the unavailability of appropriate drilling equipment within the Programme. Thus in Magu not a single of the planned medium deep well was successful due to these technical reasons and the rig had to be moved to other Districts. The new drilling programme which is in the process of being planned will hopefully alleviate this problem.

Table 3. Output in Numbers - 1990/91 and 1991/92

	KAGERA		MWANZA		MARA		ZONE	
	90/91	91/92	90/91	91/92	90/91	91/92	90/91	91/92
	No.	No.	No.	No.	No.	No.	No.	No.
N S/Ws	62	92	141	150	53	64	256	306
ITWS	62	49	61	34	60	36	183	119
W/Ss	5	3	2	3	1	7	8	13
I RWH	0	1	3	6	0	0	3	7
HH RWH	8	19	2	7	3	0	13	26
W Jars	102	141	-	-	24	83	126	224
I LAT	5	12	7	20	25	11	37	43
HH LAT	128	258	116	126	47	7	291	385
W Slabs	5	11	1	39	0	0	6	50
VHWS	51	30	39	64	34	40	124	134

(N S/Ws = New Shallow Wells, ITWSs = Improved Traditional Water Sources, W/Ss = Piped Water Supplies, I RWH = Institutional Rain Water Harvesting, HH RWH = Household Rain Water Harvesting, W Jars = Water Jars, I LAT = Institutional Latrines, HH LAT = Household Latrines, W Slabs = Washing Slabs, VHWS = Village Health Workers)

The decrease in output of improved traditional water sources in 1991/92 as compared to 1990/91, 119 and 183 respectively, is due to factors varying from district to district, some of the most apparent being: a) little involvement of the study groups in the activity, b) insufficient local funds, c) too many HESAWA activities in the District in relation to the implementation capacity of the District and, in some old Programme areas, d) no more suitable water sources to be improved. With the proposed new approach to the study groups activity implying a closer linking of the study groups to the Community Development Department and the Programme moving into new village areas the negative trend is anticipated to change.

The accomplishment of latrinization is not only unsatisfactory in relation to planned targets, as pointed out above, but also in terms of actual numbers of constructed latrines. Furthermore the output shows a variable pattern over the Programme area.

Thus Kagera Region alone accounted for 67%, in numbers 258, of latrines constructed in the whole Programme area in 1991/91 while Mara reported only 7 completed latrine. This serious state of affairs in Mara Region with respect to latrinization should challenge the Region and its Districts to pay extra attention to sanitation in planning, training and promotion work.

Construction of washing slabs which was negligible in 1990/91 (6 washing slabs constructed and only 1% of the planned target achieved) has improved in 1991/92 (50 washing slabs constructed and 60% of the planned target achieved). This improvement is due to a changed approach to the activity. It was realized that the activity previously was largely planned from above without proper involvement of the villagers. The new approach emphasises construction of demonstration slabs to acquaint the villagers with the idea and genuine village requests and involvement for the planning of the activity.

As in previous years, training and HRD activities in the districts and regions have shown a high implementation rate. However, for Programme implementation the most important issues are the quality and the effects of training. These issues have been vigorously addressed in 1991/92. As important parts of concerted Programme efforts within this field, new HRD Guidelines have been developed, a series of course files has been produced and proposals as to a new approach to the study group activity have been prepared.

The problem of backlog of uncompleted activities in various areas, noted by the Review Team of 1991, have been addressed by the Programme Management by means of emphasizing realistic planning based on actual implementation capacities and genuine village involvement. Table 4 below shows the general tendency in the current Programme implementation.

Table 4. Cumulative Backlog of Uncompleted Activities - 1989/91 compared to 1990/92 to 1991/92

	KAGERA		MWANZA		MARA		ZONE	
	89/91	90/92	89/91	90/92	89/91	90/92	89/91	90/92
	No.	No.	No.	No.	No.	No.	No.	No.
N S/Ws	48	17	88	0	52	3	188	18
ITWS	38	65	103	11	38	0	179	75
W/Ss	16	12	7	2	9	8	32	24
I RWH	0	0	7	6	2	4	9	10
HH RWH	9	0	11	18	6	6	26	18
I LAT	11	14	84	21	9	0	92	35
HH LAT	494	649	2120	933	799	794	3413	2584
W Slabs	162	141	439	236	61	76	662	453
VHWs	9	6	1	0	40	22	50	25

(N.B. The figures for water schemes and household latrines should be read with caution, a) water schemes because implementation may prolong over several years and in some cases no clear distinction has been made between completed activities planned for a certain financial year and the final completion of the scheme and b) household latrines because there was no clear distinction between casting of slabs and completion of latrines.)

Although the figures in the table above point at a generally encouraging tendency in diminishing backlog of uncompleted activities over the past two years, the situation is not fully satisfactory. The issue requires continued strong attention by Programme Management and planners and implementors in the Regions and the Districts.

2.3 Utilization of Funds

The encouraging trend of physical implementation in 1991/92 is reflected in the figures for utilization of allocated funds for the same year (Table 5). Out of a total regional allocation of SEK 13,836,00 in 1991/92, SEK 11,857,483 (86%) were utilized. The comparative figures for 1990/91 are SEK 16,348,00 and 14,512,000 (89%) respectively. These figures, in relation to physical output, indicate a more efficient utilization of allocated funds in 1991/92 as compared to 1990/91. (For more detail on financial matters, see Report on Financial Issues, 1992.)

Table 5. Utilization of Funds in 1990/91 and 1991/92 - Funds Actually Utilized and Percentage of Allocated Funds Utilized

REGIONS	1990/91		1991/92	
	D-FUNDS UTIL.	% UTIL	FUNDS UTIL.	% UTIL.
KAGERA	5376	88	4750	88
MWANZA	5115	88	4038	81
MARA	4021	91	3070	90
REG. TOTAL	14512	89	11857	86

Conclusion

The positive trend of improved Programme performance, particularly in terms of physical output, noted in the Agreed Minutes of 1991 for the financial year 1990/91 has continued in 1991/92. The overall performance is encouraging. Of crucial importance now when physical implementation is gaining momentum is a continued support to the Districts and Regions for a sustainable strengthening of their implementation capacity. Equally important is to strengthen the sustainability aspects of Programme achievements in the villages. In this endeavour special attention must be given to, a) operation and maintenance and the spare parts issue, b) quality of work and installations including water quality aspects, c) drilling in hard rock formations and d) continued emphasis on village participation.

SUMMARY OF ANNUAL PROGRESS REPORTS
- MEASURABLE ACCOMPLISHMENT (PRELIMINARY REPORT)

1. NEW SHALLOW/MEDIUM WELLS:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1991/92
<u>Kagera</u>					
Biharamulo	30	24	32	27	11
Bukoba R	30	27	30	33	0
Karagwe	5	2	18	15	6
Muleba	4	5	4	9	-6
Ngara	10	4	8	8	6
Total	79	62	92	92	17
Reg. accomplishment					
1990/91	78%				
1991/92	100%				
<u>Mwanza</u>					
Mwanza M	10	16	10	8	-4
Magu	52	41	42	45	8
Kwimba	50	58	50	53	-11
Geita	10	3	22	16	13
Sengerema	8	8	10	12	-2
Ukerewe	10	15	15	16	-6
Total	140	141	149	150	-2
Reg. accomplishment					
1990/91	101%				
1991/92	101%				
<u>Mara</u>					
Bunda	30	29	17	24	-6
Musoma R	22	12	20	16	14
Serengeti	12	12	15	18	-3
Tarime	0	0	4	6	-2
Total	64	53	56	64	3
Reg. accomplishment					
1990/91	83%				
1991/92	114%				
Grand Total	283	256	297	306	18
Zonal accomplishment					
1990/91	90%				
1991/92	103%				

2. REHABILITATED SHALLOW WELLS:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
<u>Kagera</u>					
Biharamulo	0	0	0	0	0
Bukoba R	0	0	0	0	0
Karagwe	0	0	0	0	0
Muleba	0	0	0	0	0
Ngara	0	0	0	0	0
Total	0	0	0	0	0
Reg. accomplishment					
1990/91	0%				
1991/92	0%				
<u>Mwanza</u>					
Mwanza M	30	30	20	15	5
Magu	25	1	10	10	24
Kwimba	20	20	20	20	0
Geita	8	8	10	0	10
Sengerema	0	0	0	0	0
Ukerewe	7	5	5	2	5
Total	90	64	65	47	44
Reg. accomplishment					
1990/91	71%				
1991/92	72%				
<u>Mara</u>					
Bunda	1	3	0	0	-2
Musoma R	0	0	0	0	0
Serengeti	0	0	0	1	-1
Tarime	0	0	0	0	0
Total	1	3	0	1	0
Reg. accomplishment					
1990/91	300%				
1991/92	0%				
Grand Total	91	67	65	48	44
Zonal accomplishment					
1990/91	74%				
1991/92	74%				

3. IMPROVED TRADITIONAL
WATER SOURCES:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
<u>Kagera</u>					
Biharamulo	40	33	38	9	36
Bukoba R	25	16	28	17	20
Karagwe	6	4	11	11	2
Muleba	8	7	10	7	4
Ngara	5	2	5	5	3
Total	84	62	92	49	65
Reg. accomplishment					
1990/91		74%			
1991/92		53%			
<u>Mwanza</u>					
Mwanza M	20	14	5	2	9
Magu	30	33	10	11	-4
Kwimba	10	5	10	11	4
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	7	9	14	10	2
Total	67	61	39	34	11
Reg. accomplishment					
1990/91		91%			
1991/92		87%			
<u>Mara</u>					
Bunda	20	21	12	21	-10
Musoma R	21	20	8	9	0
Serengeti	10	18	10	6	0
Tarime	10	1	4	0	13
Total	61	60	34	36	-1
1990/91		98%			
1991/92		106%			
Grand Total	212	183	165	119	75
Zonal accomplishment					
1990/91		86%			
1991/92		72%			

4. NEW WATER SCHEMES:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
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Kagera

Biharamulo	1	1	1	0	1
Bukoba R	2	0	0	0	2
Karagwe	1	1	1	0	1
Muleba	1	1	1	0	1
Ngara	1	0	1	1	1
Total	6	3	4	1	6

Reg. accomplishment
1990/91 50%
1991/92 25%

Mwanza

Mwanza M	0	0	0	0	0
Magu	0	0	0	0	0
Kwimba	0	0	0	0	0
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	0	0	0	0	0
Total	0	0	0	0	0

Reg. accomplishment
1990/91 0%
1991/92 0%

Mara

Bunda	1	0	1	1	1
Musoma R	0	0	0	0	0
Serengeti	0	1	1	0	1
Tarime	1	0	2	1	1
Total	2	1	4	2	3

Reg. accomplishment
1990/91 50%
1991/92 50%

Grand Total	8	4	10	3	11
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Zonal accomplishment
1990/91 50%
1991/92 30%

5. REHABILITATED WATER SCHEMES:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
<u>Kagera</u>					
Biharamulo	0	0	1	0	1
Bukoba R	1	1	1	1	0
Karagwe	2	1	1	1	1
Muleba	1	0	1	0	2
Ngara	1	0	1	0	2
Total	5	2	5	2	6
Reg. accomplishment					
1990/91		40%			
1991/92		40%			
<u>Mwanza</u>					
Mwanza M	2	1	2	1	2
Magu	0	0	1	1	0
Kwimba	1	1	1	1	0
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	0	0	0	0	0
Total	3	2	4	3	2
Reg. accomplishment					
1990/91		67%			
1991/92		75%			
<u>Mara</u>					
Bunda	0	0	0	0	0
Musoma R	2	0	2	2	2
Serengeti	1	0	0	0	1
Tarime	2	0	3	3	2
Total	5	0	5	5	5
Reg. accomplishment					
1990/91		0%			
1991/92		100%			
Grand Total	13	4	14	10	13
Zonal accomplishment					
1990/91		31%			
1991/92		71%			

6. INSTITUTIONAL RAIN
WATER HARVESTING

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
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Kagera

Biharamulo	0	0	1	1	0
Bukoba R	0	0	0	0	0
Karagwe	0	0	0	0	0
Muleba	0	0	0	0	0
Ngara	0	0	0	0	0
Total	0	0	1	1	0

Reg. accomplishment
1990/91 0%
1991/92 100%

Mwanza

Mwanza M	1	1	1	1	0
Magu	4	1	4	3	4
Kwimba	3	1	2	2	2
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	0	0	0	0	0
Total	8	3	7	6	6

Reg. accomplishment
1990/91 38%
1991/92 86%

Mara

Bunda	2	0	0	0	2
Musoma R	0	0	2	0	2
Serengeti	0	0	0	0	0
Tarime	0	0	0	0	0
Total	2	0	2	0	4

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Reg. accomplishment
1990/91 0%
1991/92 0%

Grand Total	10	3	10	7	10
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Zonal accomplishment
1990/91 30%
1991/92 70%

7. HOUSEHOLD RAIN
WATER TANKS

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
<u>Kagera</u>					
Biharamulo	3	1	0	0	2
Bukoba R	5	2	3	3	3
Karagwe	5	5	5	16	-11
Muleba	0	0	0	0	0
Ngara	0	0	0	0	0
Total	13	8	8	19	-6
Reg. accomplishment					
1990/91	62%				
1991/92	238%				
<u>Mwanza</u>					
Mwanza M	5	1	3	1	6
Magu	8	1	9	6	10
Kwimba	0	0	2	0	2
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	0	0	0	0	0
Total	13	2	14	7	18
Reg. accomplishment					
1990/91	15%				
1991/92	50%				
<u>Mara</u>					
Bunda	4	1	0	0	3
Musoma R	3	0	0	0	3
Serengeti	1	1	0	0	0
Tarime	1	1	0	0	0
Total	9	3	0	0	6
Reg. accomplishment					
1990/91	33%				
1991/92	0%				
Grand Total	35	13	22	26	18
Zonal accomplishment					
1990/91	37%				
1991/92	118%				

8. JAR CASTING

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
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Kagera

Biharamulo	0	0	100	12	88
Bukoba R	0	0	0	0	0
Karagwe	20	102	100	129	0
Muleba	0	0	0	0	0
Ngara	0	0	0	0	0
Total	20	102	200	141	88

Mara

Bunda	0	24	44	83	0
Musoma R	0	0	0	0	0
Serengeti	0	0	0	0	0
Tarime	0	0	0	0	0
Total	0	24	44	83	0

9. INSTITUTIONAL LATRINES:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
<u>Kagera</u>					
Biharamulo	5	2	4	1	6
Bukoba R	0	2	5	4	-1
Karagwe	4	1	4	4	3
Muleba	2	0	3	3	2
Ngara	3	0	1	0	4
Total	14	5	17	12	14
Reg. accomplishment					
1990/91	36%				
1991/92	71%				
<u>Mwanza</u>					
Mwanza M	6	1	8	5	8
Magu	10	0	5	5	10
Kwimba	6	6	6	9	-3
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	4	0	3	1	6
Total	26	7	22	20	21
Reg. accomplishment					
1990/91	27%				
1991/92	91%				
<u>Mara</u>					
Bunda	10	17	6	5	-6
Musoma R	10	7	4	1	6
Serengeti	3	1	2	4	0
Tarime	0	0	2	1	0
Total	23	25	14	11	0
Reg. accomplishment					
1990/91	109%				
1991/92	79%				
Grand Total	63	37	53	43	35
Zonal accomplishment					
1990/91	59%				
1991/92	81%				

10. HOUSEHOLD LATRINES (SLABS):

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1989/91
<u>Kagera</u>					
Biharamulo	90	50	40	31	49
Bukoba R	40	42	300	70	228
Karagwe	150	30	150	65	205
Muleba	100	30	200	72	198
Ngara	0	0	200	24	176
Total	380	152	890	262	856
Reg. accomplishment					
1990/91		40%			
1991/92		29%			
<u>Mwanza</u>					
Mwanza M	250	178	0	0	72
Magu	250	174	250	392	-66
Kwimba	200	102	125	169	54
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	0	0	300	30	270
Total	700	454	675	591	330
Reg. accomplishment					
1990/91		65%			
1991/92		88%			
<u>Mara</u>					
Bunda	150	65	100	46	139
Musoma R	100	36	100	15	149
Serengeti	100	9	100	16	175
Tarime	100	23	100	8	169
Total	450	133	400	85	632
Reg. accomplishment					
1990/91		30%			
1991/92		21%			
Grand Total	1,530	739	1,965	938	1,818
Zonal accomplishment					
1990/91		48%			
1991/92		48%			

11 HOUSEHOLD LATRINES CONSTRUCTION

	Planned 1990-91	Actual 1990-91	Planned 1991-92	Actual 1991-92	Backlog 1990-92
KAGERA					
Biharamulo	90	26	40	133	-29
Bukoba R	40	42	300	23	275
Karagwe	150	30	45	24	141
Muleba	100	30	250	74	246
Ngara	0	0	20	4	16
Total	380	128	655	258	649
Reg. accomplishment					
1990-91	34%				
1991-92	39%				
MWANZA					
Iwanza M	250	0	0	0	250
Magu	250	14	250	11	475
Kwimba	200	102	125	115	108
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	0	0	300	0	100
Total	700	116	675	126	933
Reg. accomplishment					
1990-91	17%				
1991-92	19%				
MARA					
Sunda	150	41	100	7	202
Musoma R	100	6	100	0	194
Serengeti	100	0	100	0	200
Tarime	100	0	100	0	192
Total	450	47	400	7	788
Reg. accomplishment					
1990-91	10%				
1991-92	2%				
Grand Total	1,530	291	1,730	391	2,578
Zonal accomplishment					
1990-91	19%				
1991-92	23%				

12. WASHING SLABS:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1989/91
<u>Kagera</u>					
Biharamulo	60	0	0	0	60
Bukoba R	60	1	7	3	63
Karagwe	7	0	8	8	7
Muleba	8	2	5	0	11
Ngara	10	2	5	0	0
Total	145	5	25	11	141
Reg. accomplishment					
1990/91	3%				
1991/92	44%				
<u>Mwanza</u>					
Mwanza M	70	0	0	0	70
Magu	82	0	27	27	82
Kwimba	60	0	5	5	60
Geita	0	0	0	0	0
Sengerema	0	0	5	5	0
Ukerewe	20	1	7	2	24
Total	232	1	44	39	236
Reg. accomplishment					
1990/91	0%				
1991/92	89%				
<u>Mara</u>					
Bunda	20	0	6	0	26
Musoma R	21	0	4	0	25
Serengeti	10	0	5	0	15
Tarime	10	0	0	0	10
Total	61	0	15	0	76
Reg. accomplishment					
1990/91	0%				
1991/92	0%				
Grand Total	438	6	84	50	453
Zonal accomplishment					
1990/91	1%				
1991/92	60%				

13. VHWS TRAINED -NEW:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92	Backlog 1990/92
<u>Kagera</u>					
Biharamulo	0	0	15	12	3
Bukoba R	20	19	20	18	3
Karagwe	14	16	0	0	0
Muleba	16	16	0	0	0
Ngara	0	0	0	0	0
Total	50	51	35	30	6

Reg. accomplishment
 1990/91 102%
 1991/92 86%

Mwanza

Mwanza M	0	0	0	0	0
Magu	20	20	20	20	0
Kwimba	20	19	20	24	-3
Geita	0	0	0	0	0
Sengerema	0	0	0	0	0
Ukerewe	0	0	20	20	0
Total	40	39	60	64	-3

Reg. accomplishment
 1990/91 98%
 1991/92 107%

Mara

Bunda	20	0	16	14	22
Musoma R	26	26	8	8	0
Serengeti	8	8	0	0	0
Tarime	0	0	18	18	0
Total	54	34	42	40	22

Reg. accomplishment
 1990/91 63%
 1991/92 95%

Grand Total 144 124 137 134 25

Zonal accomplishment
 1990/91 86%
 1991/92 98%

14. WELLS AND DOMESTIC POINTS
CARETAKERS:

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92
<u>Kagera</u>				
Biharamulo	40	40	50	50
Bukoba R	340	340	130	130
Karagwe	0	0	85	110
Muleba	80	77	54	54
Ngara	136	64	46	46
Total	596	521	365	390
Reg. accomplishment				
1990/91		87%		
1991/92		107%		
<u>Mwanza</u>				
Mwanza M	50	0	30	30
Magu	20	20	50	50
Kwimba	100	100	100	100
Geita	50	0	40	36
Sengerema	20	16	20	16
Ukerewe	28	21	40	40
Total	268	157	280	272
Reg. accomplishment				
1990/91		59%		
1991/92		97%		
<u>Mara</u>				
Bunda	30	21	40	40
Musoma R	30	26	40	36
Serengeti	0	0	20	20
Tarime	0	0	0	0
(Region)	10	10	0	0
Total	60	47	100	96
Reg. accomplishment				
1990/91		78%		
1991/92		96%		
Grand Total	924	725	745	758
Zonal accomplishment				
1990/91		78%		
1991/92		102%		

15 VILLAGE FUNDIS TRAINING:
(No. of Course Participants):

	Planned 1990/91	Actual 1990/91	Planned 1991/92	Actual 1991/92
<u>Kagera</u>				
Biharamulo	90	90	32	33
Bukoba R	25	14	0	0
Karagwe	0	0	28	28
Muleba	0	0	12	9
Ngara	0	0	20	14
Total	115	104	92	84
Reg. accomplishment				
1990/91	90%			
1991/92	91%			
<u>Mwanza</u>				
Mwanza M	112	102	7	7
Magu	84	84	33	33
Kwimba	80	40	50	50
Geita	0	0	0	0
Sengerema	0	0	0	0
Ukerewe	0	0	12	11
Total	276	226	102	101
Reg. accomplishment				
1990/91	82%			
1991/92	99%			
<u>Mara</u>				
Bunda	0	0	0	0
Musoma R	10	0	0	0
Serengeti	0	0	24	24
Tarime	0	0	0	0
Region	18	21	16	12
Total	28	21	40	36
Reg. accomplishment				
1990/91	75%			
1991/92	90%			
Grand Total	419	351	234	221
Zonal accomplishment				
1990/91	84%			
1991/92	94%			

16. STUDY GROUPS

	Old SGPs 1991/92	New SGPs Planned 1991/92	New SGPs Actual 1991/92	Total No of SGPs
<u>Kagera</u>				
Biharamulo	45	45	45	90
Bukoba R	57	57	57	114
Karagwe	0	0	0	0
Muleba	10	10	10	20
Ngara	0	0	0	0
Total	112	112	112	224
<u>Mwanza</u>				
Mwanza M	74	75	75	149
Magu	46	46	46	92
Kwimba	0	43	43	43
Geita	0	0	0	0
Sengerema	0	0	0	0
Ukerewe	0	0	0	0
Total	120	164	164	284
<u>Mara</u>				
Bunda	44	44	44	88
Musoma R	10	30	30	40
Serengeti	11	30	30	41
Tarime	0	0	0	0
Total	65	104	104	169
Grand Total	297	380	380	677

CONSOLIDATED HESAWA PROGRAMME PROJECT IMPLEMENTATION REPORT FOR THE YEAR 1991/92

KAGERA.....REGION

	Distr:		Distr:		Distr:		Distr:		Distr:		Distr:		Total		%
	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	
1. Construction of Shallow Wells :-	32	27	30	33	18	15	4	9	8	8			92	92	100
1.1 Ring Wells	5	5	-	2	18	15	4	9	8	8					
1.2 Tube Wells	27	22	-	31	-	-	-	-	-	-					
2. Rehabilitation of Shallow Wells	-	-	-	-	-	-	-	-	-	-					
3.0 Rehabilitation of piped schemes :-	-	-	-	-	-	-	-	-	-	-					
3.1 No. of scheme	-	-	-	-	1	1	1	1	1	1					
3.2 Intake(s)	-	-	-	-	1	0	-	-	-	-			1	1	-
3.3 Storage tank(s)	-	-	-	-	2	1	-	-	-	-			2	1	50
3.4 Distribution line (metres)	-	-	-	-	1580	1900	800	800	2900	2900			5280	5600	106
3.5 Number of DPs	-	-	-	-	21	12	-	-	-	-			21	12	57
4.0 New piped water schemes :-															
4.1 No. of scheme(s)	-	-	2	2	1	1	1	1	1	1					
4.2 Intake(s)	-	-	-	-	-	-	1	1	-	-			1	1	100
4.3 Storage tanks(s)	-	-	1	1	1	1	-	-	-	-			2	2	100
4.4 Distribution line (metres)	-	-	9600	9300	4270	2120	2300	2500	-	-			15170	13920	92
4.5 No. of DPs	-	-	35	26	17	0	-	-	12	12			64	38	59
5. Institutional RWH tanks	1	1	-	-	-	-	-	-	-	-			1	1	100
6. Household RWH tanks	-	-	3	3	5	16	-	-	-	-			8	19	238
7. Casting of water jars	100	12	-	-	100	129	-	-	-	-			200	141	71

CONSOLIDATED HESAWA PROGRAMME PROJECT IMPLEMENTATION REPORT FOR THE YEAR 1991/92

KAGERA REGION

	Distr:		Distr:		Distr:		Distr:		Distr:		Distr:		Total		
	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	%
8. Construction of washing slabs	-	-	7	3	8	8	5	0	5	0	25	11	25	11	44
9. Improvement of TWS	38	9	28	17	11	11	10	7	5	5	92	49	92	49	53
10. Construction of Institutional Latrines	4	1	5	4	4	4	3	3	1	0	17	12	17	12	71
11. Rehabilitation of Inst. latrines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. Casting of slabs for latrines	40	31	300	70	150	65	200	72	200	24	890	262	890	262	29
13. Construction of household latrines	40	133	300	23	45	24	250	74	20	4	655	258	655	258	39
14. Training of WCT/DPCT	50	50	130	130	85	110	54	54	46	46	365	390	365	390	107
15. Training of scheme attendants	2	2	5	5	-	-	6	6	-	-	13	13	13	13	100
16. Training of pump mechanics	2	2	2	0	-	-	-	-	-	-	4	2	4	2	50
17. Training of village Health Workers (initial)	15	12	20	18	-	-	-	-	-	-	35	30	35	30	86
18. Training of VHWs (refresher)	21	20	90	70	16	16	28	25	14	14	169	145	169	145	86
19. Training of TOTs (initial)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. Training of TOTs (refresher)	-	-	-	-	-	-	-	-	25	25	25	25	25	25	100
21. Training of TBAs/ THs	-	-	20	18	20	20	18	18	-	-	60	56	60	56	93
22. Training of SGP Group leaders	90	90	114	144	-	-	20	20	-	-	224	224	224	224	100
23. Training of Pump attendants	50	50	-	-	-	-	2	2	-	-	52	52	52	52	100
24. Training of Village Funds	32	33	-	-	28	28	12	9	20	14	92	84	92	84	91
25. Training of Well Sinkers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26. Training of ITWS Caretakers	80	0	-	-	-	-	-	-	-	-	80	0	80	0	0

CONSOLIDATED HESAWA PROGRAMME PROJECT IMPLEMENTATION REPORT FOR THE YEAR 1991/92

.....MWANZAREGION

	Distr: MWANZA		Distr: MAGU		Distr: KWIMBA		Distr: UKEREWE		Distr: GEITA		Distr: SENGERE		%	
	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual		
8. Construction of washing slabs	-	-	27	27	5	5	7	2	-	-	5	5	39	87
9. Improvement of TWS	5	2	10	11	10	11	14	10	-	-	-	-	34	87
10 Construction of Institutional Latrines	8	5	5	5	6	9	3	1	-	-	-	-	20	91
11. Rehabilitation of Inst. latrines	4	3	-	-	-	-	-	-	-	-	-	-	4	75
12. Casting of slabs for latrines	-	-	250	392	125	169	300	-	-	-	-	-	675	88
13. Construction of household latrines	-	-	250	11	125	115	300	0	0	0	0	0	675	19
14. Training of WCT/DPCT	30	30	50	50	100	100	40	40	40	36	20	16	280	97
15. Training of scheme attendants	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Training of pump mechanics	-	-	5	5	-	-	2	2	2	2	2	2	11	100
17. Training of village Health Workers (initial)	-	-	20	20	20	24	20	20	-	-	-	-	60	107
18. Training of VHWs (refresher)	17	17	98	82	40	34	-	-	-	-	-	-	155	86
19. Training of TOTs (initial)	-	-	9	9	3	3	6	6	-	-	-	-	18	100
20. Training of TOTs (refresher)	2	2	6	4	2	2	-	-	-	-	-	-	10	80
21. Training of TBAs/ THs	34	34	67	70	20	18	-	-	-	-	-	-	121	101
22. Training of SGP Group leaders	300	300	184	184	86	86	-	-	-	-	-	-	570	100
23. Training of Pump attendants	15	15	10	10	30	30	-	-	-	-	-	-	55	100
24. Training of Village Funds	7	7	33	33	50	50	12	11	-	-	-	-	102	99
25. Training of Well Sinkers	-	-	10	10	-	-	-	-	-	-	-	-	10	100
26. Training of ITWS Caretakers	-	-	-	-	-	-	24	25	-	-	-	-	24	104

CONSOLIDATED HESAWA PROGRAMME PROJECT IMPLEMENTATION REPORT FOR THE YEAR 1991/92

MARA REGION

SERENGETI

	Distr: TAKIME		Distr: MSM(R)		Distr: BUNDA		Distr: REGION		Distr: MARA		Total		
	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	%	
1. Construction of Shallow Wells :-	15	18	4	6	20	16	17	24			56	64	114
1.1 Ring Wells	15	18	4	6	8	8	12	19			39	51	131
1.2 Tube Wells	-	-	-	-	12	8	5	5			17	13	76
2. Rehabilitation of Shallow Wells	0	1	-	-	-	-	-	-			0	1	-
3.0 Rehabilitation of piped schemes :-													
3.1 No. of scheme	-	-	3	3	2	2	-	-			5	5	100
3.2 Intake(s)													
3.3 Storage tank(s)													
3.4 Distribution line (metres)													
3.5 Number of DPs	-	-	13	14	2	2	-	-			15	16	106
4.0 New piped water schemes :-													
4.1 No. of scheme(s)	1	-	2	1	-	-	1	1			4	2	50
4.2 Intake(s)													
4.3 Storage tanks(s)													
4.4 Distribution line (metres)													
4.5 No. of DPs	12	-	21	10	-	-	5	5			38	15	40
5. Institutional RWH tanks													
6. Household RWH tanks													
7. Casting of water jars							44	83			44	83	189

CONSOLIDATED HESAWA PROGRAMME PROJECT IMPLEMENTATION REPORT FOR THE YEAR 1991/92

SERENGETI TAKATIME.....REGION

	Distr:		Distr:		Distr:		Distr:		Distr:		Distr:		Distr:		Total		
	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	Annual Plan	Actual	%
8. Construction of washing slabs	5	0	4	0	6	0									15	0	0
9. Improvement of TWS	10	6	8	9	12	21									34	36	106
10 Construction of Institutional Latrines	2	4	4	1	6	5									14	11	79
11. Rehabilitation of Inst. latrines																	
12. Casting of slabs for latrines	100	16	100	15	100	46									400	85	21
13. Construction of household latrines					100	1									100	1	0
14. Training of WCT/DPCT	20/0	20/0	-	-	16/24	16/20	40/0	40/0							76/24	76/20	1100/84
15. Training of scheme attendants	-	-	6	0											6	0	0
16. Training of pump mechanics	4	4	2	-	-	-	-	-							6	6	100
17. Training of village Health Workers (initial)	-	-	18	18	16	14									42	40	95
18. Training of VHWs (refresher)																	
19. Training of TOTs (initial)	-	-	-	-	-	-	-	-							8	8	100
20. Training of TOTs (refresher)	-	-	-	-	-	-	-	-							8	8	100
21. Training of TBAs/ THs	13	13	9	12	-	-	-	-							52	34	65
22. Training of SGP Group leaders	60	61	-	65	88	88									208	214	102
23. Training of Pump attendants																	
24. Training of Village Fundis	24	24	-	8	-	-	-	-							48	44	91
25. Training of Well Sinkers	-	-	-	-	16	16									16	16	100
26. Training of ITWS Caretakers	-	-	8	8	-	-	-	-							8	8	100

Chapter VI :

SUMMARY OF COMPLETED AND ON-GOING

HESAWA ACTIVITIES

HESAWA PROGRAMME IMPLEMENTATION STATISTICS

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KAGERA	Biharamulo		119	4	3	32	101	1	4	24	7	270	133		82	232	28	90
	Bukoba (R)		129	16	8	144	59	3	2		7	146	102		396			114
	Karagwe		16	1	6	139	13	54	4	241	5	75	15		102	23		
	Muleba		14	2	3	315	12				5	110	14	18	100	12		20
	Ngara		12		3	51	7						19		148	22		
SUB-TOTAL:			290	23	23	681	192	58	10	265	24	601	283	18	828	289	28	224
MWANZA	Kwimba		323	72			24		4		13	218	59	53	326	153	20	40
	Magu		223	27			73	8	4		21	356	94	44	86	60		92
	Mwanza Munic		80	21	3	38	64		4		30	214	56	68	151	255	17	150
	Geita		37	19											110			
	Sengerema		20												32			
	Ukerewe		42	7			22				1		20		78	11		
SUB-TOTAL:			725	146	3	38	183	8	12		65	788	229	165	783	479	37	282

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

HESAWA PROGRAMME IMPLEMENTATION STATISTICS

**CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)**

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MARA	Bunda		140	4	2	17	109		4	147	51	121	64	44	256	65	8	88
	Musoma (R)		41	1	2	12	35		2		18	25	46	20	48	40	18	40
	Serengeti		29		2	24	44		1		6		22		22	28		37
	Tarime		6	2	5	104					6	6	34		30	15		
SUB-TOTAL:			216	7	11	157	188		7	147	81	152	166	64	356	148	26	165
GRAND TOTAL:			1231	176	37	876	563	66	29	412	170	1541	678	247	1967	916	91	671

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: KAGERA

DISTRICT: BIHARAMULO

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
CHATO	Chato	9043	18		1	7					61	5						
	Itale	1875									49	3						
	Bwina	3001					2				84	2					2	6
	Nyang homango	1135																3
ILEMERA	Rubambangwe	3018	1						1			2				5		
	Ilemera	2892							1	14	1	2				4		
	Kanyama	2496							1			2				6		
	Nyambogo											2						
ICHWANKIMA	Ichwankima	1461	2				7				1	2				7	2	
	Kachwamba	3891	2				21				1	2				31	2	
	Mwangaza	3068	2				15				1	29	2			19	1	9
	Igalula	1927	4				7					2				11	2	
	Kasenga	4580	2		1	16	1					30	3		32	6	2	6

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: KAGERA

DISTRICT: BIHARAMULO

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NYAMILEMBE	Busalala	1496	2								1		2				2	
	Nyambiti	3005									1		2			1		3
	Nyamilembe	3592											2					
BIHARAMULO	Kalebezo	3599											2					
	B Mulo Town	5918			1	7		1					2					
	Nyakatuntu	1923					1						2					
RUNAZI	Runazi	2171	3				7						2*			5		5
	Kabindi (Rukora)	3194	4				9				1		2*			5	2	4
	Kikomakoma	5882	1				9					5	2*			4	1	10
	Kagondo	3964					4						2*			10		
	Nyabusozi	4324					6					4	2*			22		11
	Nyantimba	1780					1						2*					
	Kagoma												2*					

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

* Trained under UNICEF

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REGION: KAGERA

DISTRICT: BIHARAMULO

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BWANGA	Buziku	5750	16										2		20	10	2	6
	Bwanga	5592	10				2						3			8	2	4
	Igando	1614	4				1						3				2	5
	Bwera	3120	6				1						2*			6	2	3
	Ihanga	5620	10				2						2		8	22	1	8
	Bukiriguru	1919											2					
	Busaka	1946											2					
	Makurugusi	987											2					
	Kalembera	2507											2					
	Kasala	1610											2					
	Musaso	1447											2					

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

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REGION: KAGERA

DISTRICT: BIHARAMULO

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT- RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUKOME	Buzirayombo	2938	3										2			14		7
	Bukome	1399											2			6		3
	Nyabilezi	1299											2					
	Kasozibakaya	2699											2					
	Makungo	1012											2					
	Nyakato	2412											2					
NYARUBUNGO	Katoke	2109				2			1				2					
KIGONGO	Kibehe	2814	5				4			10			2		6	3		
	Nyisanzi	2705	4										2		6	3		
	Ikumbaitale	3241	3										2					
	Butarama	2931	7										2		10	3		
	Bukamila	2067											2			3		

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

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REGION: KAGERA

DISTRICT: BIHARAMULO

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT- RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MUGANZA	Katemwa	3641	8				1						2			5		
	Nyabugera	2875	2										2			5		
	Bupandwamhuli	2349											2			2		
	Katete	2253											2			2		
	Bwongera	2033											2			2		
	Rutunguru	2944											2			2		
KATENDE	Katende	2425											2					
	Chabulongo	1053											2					
	Nyamigogo	4284										8	2					
	Ilyamuchele	3221											2					

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: KAGERA

DISTRICT: BIHARAMULO

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUSEREGESE	Butengo (Rumasa)	4309											2					
	Muranda	2072											2					
	Minkoto	1742											2					
	Buseregese	4284											2					
	Kibumba												2					
KALENGE	Nyamigele	2875		1														
	Ruganzu	1838		2														
	Kasatu	1964		1														
TOTAL:			119	4	3	32	101	1	4	24	7	270	133*		82	232	28	90

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

*) Out of which 16 under UNICEF

REGION: KAGERA

DISTRICT: BUKOBA RURAL

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
IZIMBYA	Izimbya	4352	16				5					15	2		32			22
	Kyaitoke	5292	14				6		1			8	4		28			21
	Ruhunga	2487	5				4					3	2		10			8
	Mugajwaile	4045	9				2						2		18			
	Kobunshwi	3499	5										2		10			9
	Rugaze	3099	8				3					4	2		16			11
	Butulage	3346	10				3					3	2		20			7
	Omubweya	1150					2						2					2
	Kihumulo	3753	2										2		2			5
	BUTELANKUZI	Ilango	1844			1	10							2				
Mishenye		2303			1	19						52	2					6
Nyabushozi		1462				10						5	2		20			4
Nyakabanga		1910			1	11	1					10	2		24			5

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REGION: KAGERA

DISTRICT: BUKOBA RURAL

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
RUBALE	Rubale	2856			1	13	4						2		32			
	Nyakabulala	1510											2					
	Kikomelo	1689											2					
	Butakya	1879											2					
	Rukoma	1966											2					
	Nsheshe	2698		6									2		12			
	Kamuli	3320											2					
	Bituntu	2927											2					
	Kabilizi	2815	1				4						2		6			6
	Migara	1656					6						2					7
MARUKU	Maruku							1										
BUGANDIKA	Bugandika							1										

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REGION: KAGERA

DISTRICT: BUKOBA RURAL

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KASAMBYA	Kasambya	2019	3		1	7							2		16			
	Mabuye	2066	10	1									2		2			
	Kakindo	2917	11												20			
	Gabulanga	2189											2					
	Nyabihanga	2638		1														
	Bunazi	4303	1			4							2		10			
KAIBANJA	Kaibanja	3382	8				4						2		18			
	Kazinga	2563	3										2		6			
	Kijongo	2923	4										2					
	Nyakigando	2042	13										2		10			
NSUNGA	Bweju	2136		2														
	Mutukula	3219		3														

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REGION: KAGERA

DISTRICT: BUKOBA RURAL

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KATORO	Ngarama	3321									2	2						
	Katoro	3383	1	1								2						
	Ruhoko	1859	5								1	17	2					
	Kyamulaile	3603											2					
	Mushule	3093											2					
	Omukiisi	1323											2					
	Musira	2423									1		2					
KANYIGO	Kigarama	3700			1	13	2					12	3		26			
	Rweyunge	1946											2					
	Bugombe	2187				2					3	15	2		4			
	Kikukwe	2660					2				2		3					
	Bukwali	1800				12							2		24			
	Kashenye	1617				15							2		30			

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REGION: KAGERA

DISTRICT: BUKOBA RURAL

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
IBWERA	Itongo	2070				10							2					
	Ibwera							1					2					
	Kitahya						4						2					
	Nyakibimbili												2					
KARABAGANE	Kangabusharo	1651			1	11						2						
BWANJAI	Buhangarati	1272					4											
BUJUGO	Bujugo						2											
NYAKATO	Igombe	3018			1	7												
BUGOLOLA	Bugolola	2693		2														
DISTRIKT H/Q	Ibura						1		1									
TOTAL:			129	16	8	144	59	3	2		7	146	102		396			114

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: KAGERA

DISTRICT: KARAGWE

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KAISHO	Kaisho				1	14												
	Katera					7												
	Kihanga		2			10									4			
	Karukwanza					10												
	Ishaka		2			6									2			
	Rutunguru		4			5									4			
	Nyabishenge		1			9									6	2		
	Rwensinga		1												2			
	Rwenkende		2															
	Rwensheshe																	
Chababara		2																
Nyakakoni		1												2				
NDAMA	Ndama								1									

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REGION: KAGERA

DISTRICT: KARAGWE

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUGENE	Rukole							8	3	51	2	39	2			2		
	Nyakahanga							5		34		22						
	Ihanda							12		30		5	2					
	Chonyonyo							3		15		5	2					
	Bugene							2		4								
	Kishao									4								
NYAISHOZI	Nyakayanja					9							2					
	Lukale				1	15							2					
NKWENDA	Nkwenda				1	10		21		64	2	4			20	2		
	Mwenge					1				6					2			
	Rukulaijo									2								
	Kakanja									5								
	Itera									4								

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: KAGERA

DISTRICT: KARAGWE

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KAYANGA	Kayanga							3		7								
KYERWA	Kyerwa		1							4						1		
	Nyakatuntu									1								
	Kagenyi				1					1								
MABIRA	Kitwe									7								
KITUNTU	Kakiro									1								
NYABIYONZI	Kamagambo					8	1				1		2		16	3		
	Kiruruma			1	1	14	5						1		28	5		
	Nyakagoyagoye					8	6						2		16	2		
	Ahakishaka						1											
KIHANGA	Kihanga				1	6			1							3		
	Kishoju					6										3		
	Katanda					1												
TOTAL:			16	1	6	139	13	54	4	241	5	75	15		102	23		

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REGION:KAGERA

DISTRICT: MULEBA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KASHARUNGA	Kiteme	2150	1			5									10			
	Nkomero	960				4									8			
	Kasharunga	3005			1	14									28			
KARAMBI	Karambi (1)	1126	1															
	Karambi (2)	1300		1														
MULEBA	Magata	752					2											
	Makarwe												2					
	Muleba Town	4700			1	263*										1		
MBUNDA	Kiyebe	1320	1															
BYLYAKASHAJU	Rugando	2800	1			13	3				1	22	2	2	26	1		3
	Kizinga	1800				4	1				1	4	2	2	8	1		3
	Nyakahama	2125	3		1	12	2				1	9	2	2	20	1		4

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

*) Private connections

REGION: KAGERA

DISTRICT: MULEBA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KASHASHA	Rubya		1															
	Ihangiro	2113	2															
KIBANGA	Kibanga	1041									1	10	2	2		2		
	Bumiro	702										15	2	2		2		
	Kabutaigi													2				
IKONDO	Kamishango	1136					4				1	15	2	2		2		
	Ikondo	1220										15	2	2		2		
LJUMBI	Rubao		2															
	Nshambya		2															
IBUGA	Rutenge											10						5
	Rwanda											10						5
KAMACHIMU	Mahororo	1940		1														
TOTAL:			14	2	3	315*	12				5	110	14	18	100	12		20

* 263 private connections

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: KAGERA

DISTRICT: NGARA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KIRUSHYA	Chivu	3100			1	17	7						2		34	6		
NYAMIAGA	Ntobeye	2582			1	12							2		24	2		
	Nyamiaga	1950											2		2	4		
MURUSAGAMBA	Murusagamba	1891	10										3		20	2		
KIBIMBA	Ruganzo	2238											2					
	Kumtana	1515											2					
	Mayenzi	1736			1	22							2		44	2		
	Buhororo	1549													2			
KANAZI	Katerere	1566											2					
	Mukibogoye	1932											2					

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DISTRICT: NGARA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NGARA MJINI	Mubinyange	3889	2												6	4		
	Nakatunga	1358													6	2		
	Murgwanza	1287													6			
	Mukididili	1463													4			
TOTAL:			12		3	51	7						19		148	22		

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REGION: MWANZA

DISTRICT: KWIMBA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NGUDU	Kakora	6665	9	1			1		1			53	2	5		7	2	4
	Welamasonga	3046	9	1			2					6	2	5	16	8	2	4
	Ngudulugulu	1632	7	1								22	2	2	14	8	2	4
	Ilumba	1713	7								2	6	2	3	16	8	2	4
	Kilyaboya	1782	6								1	1	2	1	14	7	2	4
LYOMA	Nkungulu	2491	7	1								3	2	2	16	8	2	4
	Lyoma	2703	6	1			2		1		2	3	2	1	14	8	2	4
	Busule	1522	4									3	2		10	8	2	4
	Kimiza	1185	4	1								12	2			8	2	4
IGONGWA	Manguruma	2139	4	1			3		1		1	6	2	5		4		
	Mwadubi	2946	8									3	2	5	20	4		
	Malemve	1894	4	1			1				1	6	2	5		4		

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DISTRICT: KWIMBA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MWANGHALANGA	Mahiga	2059	2								6	2				4		
	Mwanghalanga	1239	4				2				4	2	1			8	2	4
	Shigumhulo	1874	3								20	2	5			4		
	Mwabagole	1765	2				1					2	1			4		
NYAMBITI	Solwe	1195	5				1											
	Nyambiti	2093	2	1														
	Kinoja	1076	3	1			2					2				4		
	Ibindo	2112	7	1			1					2				4		
	Mwankuba	1159	2															
MWAGI	Mwamajira	1179	4	1											10			
	Kishili	2063	3	3											12			
	Mwabilanda	1832	2	1														
	Nkalalo	1584	3	3														

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CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
ISENI	Nyashana	3477		1														
	Nyamigamba	2882	2	1														
	Icheja	1060		1														
	Bugandando	2354	3	1														
MALIGISU	Kadashi	3084	6				1				1	6	2	1		4		
	Mwabuchuma	2054	4	1					1				2			3		
	Mwabaratulu	2553	3				1				1	5	2			4		
MALYA	Malya	4347	16	1								19	2		22	4		
	Talaga	2014	5	2			1						2			4		
	Mwitambu	1572	5				1				1	4	2	5	12	4		
	Kitunga	1435	4				1				1	16	2	5		4		

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CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MWANDU	Shushi	2121	8								4	2				4		
	Mwandu	1702	7								3	3				4		
	Isabilo	1750	5				2				1	4	2	1		4		
	Goloma	835	3				1				1	3	2			4		
NYAMILAMA	Nyamilama	3353	6	2											16			
	Mwankulwe	3264		2														
	Luhala	3361	3															
MWAKILYAMBITI	Mwankilyambiti	2377	2	1														
	Mwakabilinga	1785	1	1														
	Mwamakoye	4329		1														
HUNGUMALWA	Buyogo	2328		1														
	Hungumalwa	3112		2														
	Kibitilwa	4813		4														

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CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NGHUNDI	Nyanhiga	2095																
	Gatuli	1512	2															
	Jojiro	2060	2															
	Igunghuya	1019	1															
MANTARE	Mwanekeyi	1833	4															
	Mantare	1592	3															
NGULLA	Ngulia	4147																
BUNGULWA	Isunga	2105	4															
	Bungulwa	1784	3															
	Ngihundya	2793	4	1														
WALLA	Isagara	1619	5	2											12			
	Shilanona	2710	9	1											22			

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WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
SUMVE	Nyamikoma	4173		1														
	Sumve	1258	5															
	Mwashilalage	6067	2															
	Bumyegeja	1972	2															
MWABOMBA	Ngogo	2156	3															
	Mwabomba	2678																
MISASI	Misasi	7056	10												20			
BUHINGO	Buhingo	1604		1														
KIJIMA	Mwamaguha	2158		1														
	Isakamawe	2553	1															
	Kijima	2526																
BUSONGO	Nyamayiga	3202		1														
	Busongo	1050		1														

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CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MISUNGWI	Mabuki	5422	10	4											22			
	Iteja	3140	8	1											16			
	Missungwi	6215	2	1														
	Lubuga	2871	1	1														
	Nguge	3306	1															
	Mwaniko	3708	7	1														
	Mondo	3278	4	1														
KOROMJE	Koromije	2143		1														
KASOLOLO	Nduha	3010	5															
	Kasololo	2697	5															
	Igumo	3012	7	1											14			
MBARIKA	Mbarika	2154		1														

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CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MWAMALA	Kijida	1893	1															
IGOKELO	Mapilinga	1517		1														
	Nange	1843																
LIGEMBE	Ng ombe	1838		1														
	Ligembe	3523	2	3														
WALLA	Manawa	913	1															
	Sumaha	2860	4	3											16			
KIKUBLI	Dujingwa	2750	2	1											10			
	Kikubiji	3933	2	1											2			
USAGARA	Bukumbi	4562	1															
TOTAL:			323	72			24		4		13	218	59	53	326	153	20	40

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DISTRICT: MAGU

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUJASHI	Ihushi	4435	20	2			6	1	2		3	3	4	2	23	3		3
	Matale	2933	6	2			6	1			1	25	5		13	4		4
	Sese	2490	16				2	1			1		2	3	14	3		4
KISESA	Kisesa A	5757	15				1				2		7	2	4	3		
	Isangijo	1742	7	1			4	1			2		5	1	2	3		4
	Kitumba	1800	3				7	1			1		2		2	3		5
	Igekemaja	1804	1				7		1				2	1	2	3		3
	Welamasonga	1950	4				4						2			3		3
	Ihayabuyaga	2342	9				3	1					4	1	2	3		6
NYANGUGE	Nyanguge	3896	12	2			1	1	1		3		4		2	3		3
	Matela	1768	3				9				1	240	3	1	2	2		6
	Muda	2447	5				5				3		4	1	2	3		9

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CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

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			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KONGOLO	Kongolo	3400	11	1			4				2		7		4	3		4
	Bugando	2200	4										4	1	2	3		5
	Chabula	2900	14	1			2	1			1	48	2	1		3		4
	Nyashigwe	1470	3				5					17	2	1	2	3		9
LUTALE	Kayenze	3600	13				2						2	1	2	4		4
	Itandula	2400	6	1			3				7		2	1	2	3		6
	Langi	2200	5	1			2				4		2	1	2	2		6
	Lutale	2300	2								12		2			3		4
MWAMANGA	Mwamanga	1630		1							1							
	Kisesa B	3060	2											1				
	Misambo	2696	1										2	2				

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WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT- RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KAHANGARA	Nyamahanga	2273											3					
	Bundilya	2177		2									2	1				
	Ijinga	1543												2				
	Bugabu	1840											2	1				
	Kahangara	5657	3											1				
IGALUKILO	Nyangiri	2787		1														
	Mwamajulila	962																
	Malangale	1224																
	Lunala	1004	1															
	Mwamagigisi	3857																
KITONGO	Lugeye	2800	9										2	6				
	Kigangama	1730											2					
	Kitongo Sima	1630											2					

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WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MKULA	Mkula	4040																
	Lutubiga	1340	6															
	Kijelishi	4221																
	Ng wanhale	1400																
	Chabutwa	2332																
	Mwasamba	3348	2	2														
NGASAMO	Ng wanigwenge	3095																
	Imalamate	2224	3															
	Ngasamo	2267																
	Jisesa	1757																
	Sanga	1460																

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			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MWAMANYILI	Bulima	5722																
	Mwagulanja	2639																
	Mwanangi	2644																
	Mwananyili	1593																
SHIGALA	Shigala	3243		1														
	Nyamatembe	1310		2														
	Ihayabuyaga	1665																
MALILI	Ngunga	2917																
	Malili	1541																
	Mwamigongwa	2707																
	Mwamgoba	1443																
	Gininiga	4114																

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CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NKUNGULU	Kabila	3587																
	Nhobola	2638	3															
	Ngwashepi	845																
	Kayenze B	1691	2															
	Ndagalu	524																
	Igombe	1270																
SHISHANI	Shishani	2720																
	Kabale	2522	2															
	Nyasato	2223																
	Mahaha	5152																
	Isolo	2495																
	Jinjimili	2208																

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: MWANZA

DISTRICT: MAGU

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NYALUHANDE	Mwankala	873																
	Nyaluhande	2134																
	Mwagindi	1760																
KILOLELI	Yitwimila	2010																
	Ijitu	1849																
	Ihale	1370																
	Yitwimila B	2973																
	Ilumya	2644	2	1														
KABITA	Bukabile	2003																
	Nyakaboja	1895																
	Kabita	1259	3															
	Nyamikoma	3756																
	Shimanilwe	1764																

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REGION: MWANZA

DISTRICT: MAGU

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KALEMELA	Mayega	4007																
	Changasa	4783																
	Lamadi	4463																
	Lukungu	2081																
	Bushigwamala	1687																
SUKUMA	Lumeji	2379																
	Nyang' hanga	2879											2					
	Buhumbi	2405																
	Kitongo-Sukuma	3419																
MWAMABANZA	Mwalinha	1788	3											1				
	Salong we	1559																
	Mwamabanza	1411		2										1				

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REGION: MWANZA

DISTRICT: MAGU

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NYIGOGO	Nyalikungu	6481	3	2										1	4			
	Itumbili	3493												1				
	Kipeja	2194		1									3	1				
	Sagani	2370																
	Nyashimba	1908											4	2				
	Yichobela	4352		1									2	1				
	Itungu	2379		2									3	2				
LUBUGU	Nsola	2476																
	Bubinza	2868	1															
	Lubugu	942	2															
	Sayaka	3196	5															

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REGION: MWANZA

DISTRICT: MAGU

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NG HAYA	Mwabulenga	2208																
	Bugatu	2313																
	Salama	1147																
	Chandulu	1102	3															
	Ng haya	3257																
BADUGU	Badugu	3507	3															
	Manala	1355	1															
	Busami	1319	2															
TOTAL:			223	27			73	8	4		21	356	94	44	86	60		92

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REGION: MWANZA

DISTRICT: MWANZA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT- RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUSWELU	Buswelu	3524	7	1	1	20	2				4	17	4	4	9	15	1	8
	Nyamadoke	1493	2				6					11	3	4	4	15	1	3
	Nyamhongolo	2354					7					10	2	4	8	15	1	5
IGOMA	Igoma	12012	3												2			
	Fumagila	1721	5				3		1		2	17	3	4	10	15	1	6
	Kishili	2419	1	1	1	6	5				1	13	3	4	4	15	1	19
BUGOGWA	Igogwe	4030	8	3			7				3	8	4	4	16	15	1	20
	Igombe	5316	13				4				3	14	4	4	22	15	1	5
	Nyamwilolelwa	4573	9								1	14	4	4	19	15	1	10
SANGABUYE	Sangabuye	2604	3	1					2		3	13	4	4	6	15	1	20
	Kabusungu	1902	1	1			4				1	11	3	4	4	15	1	7
	Nyafula	2137	3				7				1	22	3	4	6	15	1	8

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REGION: MWANZA

DISTRICT: MWANZA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
ILEMELA	Kiseke	2390	3	1			3				1	6	3	4	4	15	1	
	Kahama	3144	8	1							3	19	4	4	17	15	1	5
MKOLANI	Mkolani	2819		1	1	12	3				2	13	3	4	2	15	1	5
	Lucheletele	6156	1				7				1	10	3	4	4	15	1	16
NYAKATO	Mahina		7	2											6			
	Mhandu		2												4			
	Nyasaka		1												4			
	Kiloleli		1															
PASIANSI	Pasiansi			2														
	Sabasaba																	
	Ground			2							2							
	RTD		1															

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REGION: MWANZA

DISTRICT: MWANZA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT- RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUHONGWA	Buhongwa	3039		2			3		1		1	11	3	4		15	1	6
	Lwanhima	3476	1	2			3				1	5	3	4		15	1	7
BUTIMBA	Butimba																	
	Prison			1														
TOTAL:			80	21	3	38	64		4		30	214	56	68	151	255	17	150

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REGION: MWANZA

DISTRICT: GEITA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
GEITA	Geita Town		15												26			
BUTUNDWE	Chikobe			1											2			
	Chugunga			1											2			
	Katoro			1											2			
NYANG HALE	Nyanghwale		10												20			
	Nuijundu		1												4			
	Nyakituntu		2												6			
	Kaseme		2												4			
	Shabaka			1											2			
KHARUMWA	Karumwa			1											2			
KASAMWA	Lubanga			1											2			
	Kamhanga			1											2			
	Nkolani II			1											2			

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REGION: MWANZA

DISTRICT: GEITA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT- RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUSANDA	Mponvu			2											2			
	Bugogo			1											2			
	Buzanaki			1											2			
	Imarampaka			1											2			
	Nyarugusu		3												6			
	Kifufu		4												8			
	Nyamalimbe				1										2			
BUGANDO	Nzera			1											2			
	Katoma			1											2			
	Sungusira			1											2			
MSALALA	Bukwimba			1											2			
NYANG HALE	Kabiga			1											2			
TOTAL:			37	19											110			

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: MWANZA

DISTRICT: SENGEREMA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
SENGEREMA	Ibisabageni A	1555	1												2			
	B	3200	1															
	C	3110	1												2			
	D	1550	1												4			
	Nyampulukano A	2170	1												4			
	B	2100	1															
	C		1												2			
	D	1345	1												2			
	Nyatukara A		1												4			
	B		1															
	C	1534	1															
	Nyamazugo Road	1020	1												2			
	F,D,C	656	1															

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REGION: MWANZA

DISTRICT: SENGEREMA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUYAGU	Isole	2184	1												2			
TABARUKA	Tabaruka	3133	1												2			
	Nyampande	2720	1												2			
	Nyasenga A	1152	1												2			
	B	1045	1												2			
	C	1030	1															
KASUNGAMILE	Kasungamile	2286	1															
TOTAL:			20												32			

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REGION: MWANZA

DISTRICT: UKEREWE

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KABINGO	Namagondo	3301	1	1											2			
	Malegea	2522	3												2			
	Bukongo	2231	1	1											4			
	Nkilizya	3165	5												3			
BUKINDO	Kagunguli	4752	2				1						2		3	3		
	Nansole	1280	1										2		2			
	Bukindo	1097											2					
	Murutanga	1691											2			4		
	Buzegwe	2895	1										2					
	Musozi	2273	1										2					
NGOMA	Bulamba	2695		1									2		2			
	Hankoko	3984	2	2											6			
	Nebuye	2408	1												2			

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REGION: MWANZA

DISTRICT: UKUREWE

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MURUTUNGURU	Bugombe	1217											2			4		
	Buguza	2908											2					
	Muhande	1404											2					
	Murutunguru	4519	2				1									4		
MUKITUNTU	Kigara	2167	1				2									2		
	Kazilankanda	1642	1	2												2		
	Mahande	2682	2													2		
	Lutare	1802	2				1									4		
BUKANDA	Muhula	2915	1				2											
	Hamuyebe	2058					1									2		
	Namasabo	2045					2											
ILANGALA	Nakamwa	2170	1															
	Gallu																	

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REGION: MWANZA

DISTRICT: UKUREWE

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NDURUMA	Halwego	3142	2				3								10			
	Chamuhunda	1625	1				2								6			
	Karneya	2801	1												2			
MURITI	Buhima	3603					2											
	Rubya	609	3															
	Muriti	3622	2												2			
BWIRO	Busiri	2436					4				1				4			
	Bwassa	1886	1												2			
	Chankamba	1817	2												4			
NANSIO	Mtoni	3312	1												2			
	Kagera	3209	1												2			
	Kakerege/ Got.Hos.	1346					1								2			
TOTAL:			42	7			22				1		20		78	11		

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REGION: MARA

DISTRICT: BUNDA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KABASA	Kabasa	3071	9				3				2	7	2	2	18	1		9
	Kamkenga	2637	4	1			3				2	4	2	2	8	2		1
	Bitaraguru	2130	3	1			3				2	4	2	3	6	1		3
	Kiwasi	900	2				1				2	3	2	1	2	1		3
	Kung ombe	2540	8	1			7				2	4	2	3	12	1		2
	Nyasana	1290	4	1			2				3	10	1	2	6	1		4
	Manyamanyama	1540	7				2				2		2		12	2		2
	Rwabu	1482	2										2		4			1
	Kangetutya	2407	4								2		2		8	1		2
HUNYARI	Hunyari	2800	3				1				1				4	2		
	Kihumbu	1232	2												4	2		
	Mariwanda	1800	1				3				1				2	2		
	Nyangere	1603	3				4								4	2		

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REGION: MARA

DISTRICT: BUNDA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
MCHARO	Mcharo	1640	1				1				2		1		2	2		3
	Kisangwa	1050	5				1			8	1	4	2		10	2		5
	Changuge	1050	2							17	1		2		4	2		5
	Kitaramaka	1965	3				3		1		2	36	2	4	6	2		2
	Ligamba A	1080	4				1				2	6	2		8	2		4
	Ligamba B	1080	1				1				1		2		2	2		2
	Misisi	1340	4				3				1		2	1	8	2		5
	Mihale	1170	1				3				1		2	4	2	2		
	Sazira	1370	3				2				1		2	2	6	2		2
MUGETA	Mugeta	2200	1								1		2		2	2		
	Migingi	2190	3				2				1		2		6	2		
	Salama A	1950	3				3						2		6	2		
	Sanzate	2090	1				6						2		2	2		
	Nyang aranga	2900	2								1		2		4	2		

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REGION: MARA

DISTRICT: BUNDA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NYAMUSWA	Nyamuswa	5640	4		1	12	8			42	2	6	2	2	12	1	1	3
	Bukama	2800	6				5			7	2	9	2	2	6	2	1	4
	Kiroreli	2010	3				4			5	2		2	2	6	2	1	5
	Kurusanga	1490	8				1		1	16	1	15	2	2	16	2		5
	Makongoro	2680	10				14		2	29		2	2	2	20	2	1	4
	Marambeka	1280	5				1				2	2	2	2	10	2	1	
	Nyaburundu	1260	2				3				2	2	2	2	4	2	1	
	Salama Kati	700	1								2	4	2	2	2	2	1	
	Sarawe	1400	5				13			11	2	3	2	3	10	2	1	4
Tiring ati		1				1				2		2	1	2	2		4	
IGUNDU	Bulendabufwe				1	5								10				
KAZUNGU	Balili		1				4			12								4

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: MARA

DISTRICT: BUNDA

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUNDA	Bunda Town		6															
	Bunda Store		2															
	Migungani																	
	Tairo																	
	Guta																	
	Nyasura	2260	2															
TOTAL:			140	4	2	17	109		4	147	51	121	64	44	256	65	8	88

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REGION: MARA

DISTRICT: MUSOMA RURAL

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
NYAMIMANGE	Masurura	2773	3				3		1		1		2	2	6	7	2	4
	Ryamesanga	3001	5				5		1		4		2	2	10	7	2	4
	Kamgendi	1826	3				5				4		2	2	6	5	2	5
	Kyankoma	3820	6				2				3	10	2	2	12	8	2	4
	Kitaramanka	2236	7				3				4		2	2	14	5	2	3
SUGUTI	Wanyere	2905	2															
	Seka	2193	1															
BUTUGURI	Mmazani	3066					4											5
	Bukabwa	2035					3											5
KIRIBA	Kwikuba	1443					3											5
	Nyang'oma	3635										2						
MURANGI	Murangi	3264			1	2						2						

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REGION: MARA

DISTRICT: MUSOMA RURAL

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
TEGERUKA	Kwibara	3925										15	2					
	Kataryo	1778	2															
	Tegeruka	2248	1										2					
KUKIRANGO	Kamgeri	4158											2					
	Kiabakari	6816											2					
	Nyamisisye	5265											2					
	Mwanzaburiga	2922											2					
BURUMA	Ryambabo	2006											2					
BUTIANA	Butiama	8389											2					
	Rwamkoma	2708											2					
	Masaba	7327		1									2					
BUSWAHILI	Buswahili	1268	2															
	Wegero	2363	1															

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REGION: MARA

DISTRICT: MUSOMA RURAL

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUHEMBA	Muriaza	2714											2					
	Bumangi	3555											2			2	2	
	Kizaru	1312	3				2						2			2	2	
	Matongo	2124	2				2						2			2	2	
	Biatika	7246	2				2							5				
	Magunga	4924	1				1				2		2	3		2	2	
NYAKANGA	Nyabange	2406			1	10							2	2				
BUHARE	Buhare																	5
TOTAL:			41	1	2	12	35		2		18	25	46	20	48	40	18	40

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REGION: MARA

DISTRICT: SERENGETI

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
IKOMA	Bwitengi	2063	7				9				1		4		8	7		4
	Miseke	1437	4				3				1		4		4	6		3
	Rwamchanga	2213	6				2				1		4		6	6		1
	Kebosongo	2813	10				7				1		2		4	7		4
	Robanda	1369			1	14			1		1		2			2		3
NATTA	Burunga	1454					3						2					3
	Nyichoka	1612					3						2					4
	Nyakitono	1069					2						2					1
	Mbiso	1862																2
	Motukeri	1906					1											
	Kono																	1

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REGION: MARA

DISTRICT: SERENGETI

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT- RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
ISENYE	Singisi	1361					2											
	Nyiberekela	2946					4											2
	Nyamisingisi	1192					1											2
	Iharara	1618					1											2
	Kitembere	2153					2											2
	Rigicha	1415					1											2
	Nyankomogo	1197					3											1
	Mugumu Town	6500	2		1	10					1							
	TOTAL:			29		2	24	44		1		6		22		22	28	

EST POP = Estimated Population; Shallow Wells: New = Hesawa; Reh. = Rehabilitated (Non-Hesawa); Piped Water Schemes: NO. = Number of Water Schemes; NO. DPs = Number of Domestic Points; ITWS = Improved Traditional Water Sources; HH = Household; INST = Institutional; W.J. = Water Jars; VHW = Village Health Workers; TBA = Traditional Birth Attendants; VW & DPCT = Village Well & Domestic Point Caretakers; VF = Village Fundis; SK = Storekeepers; SG = Study Groups;

REGION: MARA

DISTRICT: TARIME

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
KOMUGE	Komuge	2956				21							2		2			
	Kuruya	1737				9							2		2			
	Makutano/ Irienyi	1863				17							2		2			
KYANG' OMBE	Baraki	1721				10							2		2			
	Bitiryo	1783				8							2		2			
NYATHOROGO	Nyasoko	1111				9					1	4	2		2	4		
	Kowak	2862				10							2		2	1		
	Ochuna	1636				9							2		2	4		
	Saye	650									1							
MIRARE	Ingri Juu	1606				11					3	2	2		2	6		
NYAMWAGA	Keisangura	1940											2					
	Nyamwaga	2554											2					

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REGION: MARA

DISTRICT: TARIME

CUMULATIVE FIGURES
1985/86 - 1991/92 (7 YEARS)

WARD	VILLAGE	EST POP 1991	NO. OF SHALLOW WELLS		PIPED WATER SCHEMES		NO. OF ITWS	RAIN WATER HARVESTING			LAT-RINES		VHW	TBA	VW & DPCT	VF	SK	SG
			NEW	REH.	NO.	NO DPs		HH	INST	W.J.	INST	HH						
BUKURA	Kirogwe	1993	1										2		2			
	Bubombi	2608	1								1		2		2			
	Nyambori	2961		2									2					
KITEMBE	Osiri	3539	1										2		2			
	Sakawa	3954	1										2		2			
KIROGO	Luanda	2662	1										2		2			
	Sokoraboro	2867	1												2			
TOTAL:			6	2	5	104					6	6	34		30	15		

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APPENDIX 1 :

SPECIFIC AGREEMENT 1990/91 - 1992/93

Note: The enclosed Specific Agreement is valid up to June 30, 1993.

It is proposed that the Agreement be extended up to June 30, 1994 through an Exchange of Letters between the Government of Sweden and the Government of the United Republic of Tanzania.

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SPECIFIC AGREEMENT ON RURAL WATER SUPPLY, ENVIRONMENTAL SANITATION AND HEALTH EDUCATION (HESAWA)

between the Government of the United Republic of Tanzania (hereinafter referred to as Tanzania) and the Government of Sweden (hereinafter referred to as Sweden) on Swedish support to rural water supply, environmental sanitation and health education.

ARTICLE I

Scope of the Agreement

1. The Programme is an integrated programme for rural water supply, health education and environmental sanitation in the regions of Kagera, Mara and Mwanza (hereinafter referred to as the HESAWA-programme).

The overall objective of the Programme is to improve the general health standard and to promote economic growth and social development among the poorer groups in rural areas. Tanzania will continue efforts to broaden the water supply programmes to include improved health education, environmental sanitation, community participation, capability and capacity building at village and district levels. Sweden will support Tanzania in its efforts to develop these activities.

The objectives of the Programme shall be achieved through

- provision of reliable water supply systems, easily accessible and with water of satisfactory quantity and quality,
- promotion of better water use and hygiene through health education and community participation (with emphasis on women) in decision making, planning, construction, operation and maintenance,
- promotion of improved environmental sanitation by more and better latrines, drainage, vector control and waste disposal systems,

- human resources development, capacity building and institutional support like mid-level management training, development of skills on village level.
2. The Programme shall be implemented in accordance with the agreed Plan of Action for 1990/91-1992/93, subsequently revised at Joint Annual Reviews.

ARTICLE II

The Swedish Contribution

Sweden shall, subject to the provisions set forth or referred to in this Agreement, make available to Tanzania during the period 1 July, 1990 - 30 June, 1993, an amount of ONE HUNDRED AND FOURTEEN MILLION SWEDISH KRONOR (SEK 114 000 000) on a grant basis.

The Swedish contribution shall be financed out of the total amount made available each financial year by Sweden for development cooperation with Tanzania under Agreements on Development Cooperation.

The amount to be allocated each financial year shall be agreed upon by the Parties annually.

ARTICLE III

Utilization of the Swedish Contribution

The Swedish contribution shall be utilized for financing the cooperation programme according to the budget indicated in Annex 1.

The Swedish contribution shall be used for managerial and technical assistance to support the implementation of the HESAWA Programme. The Swedish contribution will also be used for procurement of both imported and local goods.

Utilization of the Planning Reserve included in the annual budgets shall be approved by SIDA.

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ARTICLE IV

Undertakings by Sweden

Sweden undertakes to finance the services of a consultancy company to provide managerial and technical assistance to the HESAWA-programme as well as procurement services.

Sweden undertakes to provide technical assistance to an advisory position based under Prime Minister and First Vice President's Office.

ARTICLE V

Undertakings by Tanzania

Tanzania undertakes to provide required resources for the implementation of the Programme and to ensure that the activities are carried out in accordance with agreed plans and budgets. This implies that Tanzania shall provide all financial, material and personnel resources not explicitly referred to as being Swedish obligations. More specifically Tanzania shall:

- Procure a consultancy company to provide managerial and technical assistance as well as procurement services.
- Submit the tender documents, the written evaluation of the bids and a draft contract for prior approval by Sweden.
- Consult and request SIDA's approval for any significant change in or termination of the terms of reference or contract during the implementation of the consulting contract. Should any such need arise SIDA shall be consulted at an early stage.

By September 10th, 1990 an assessment of the above procurement procedure will be made jointly by Tanzania and Sweden. If this assessment indicates that a contract with a consultancy company may not be signed before January 1, 1991, the responsibility for the procurement shall revert to SIDA.

Furthermore Tanzania shall:

- a. Provide required local resources such as staff (including allowances and incentives), offices, accommodation, fuel, transport and funds;

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- b. Ensure that the above resources will be timely made available for the implementation of the Programme;
- c. Provide all local funds to finance social gatherings and entertainment;
- d. Ensure sufficient and continuous provision of local staff required by the relevant executing agencies of the Programme and appoint duly qualified Tanzanian counterparts to work together with the expatriate personnel;
- e. Ensure the opening of special HESAWA-accounts in integrated HESAWA districts, and that these accounts will not be used for any other purpose than the HESAWA-programme;
The disbursements of Swedish funds to these accounts will follow regular, government procedures via the Treasury. These accounts may be audited by the Exchequer and Auditor General's Department or any other Auditing Institution appointed by the Auditor General.
- f. Provide operation- and maintenance plans for each individual water supply scheme selected for construction or rehabilitation under the HESAWA-programme;
- g. Provide annual operation- and maintenance reports for each individual pumped water supply scheme rehabilitated or constructed under the HESAWA-programme;
- h. Facilitate an effective integration of activities under the HESAWA-programme by providing policy guidelines and promoting cooperation between the authorities concerned;
- i. Ensure that all vehicles and equipment procured under the Programme shall be exclusively used for the implementation of the Programme.

ARTICLE VI

Disbursements

The Swedish contribution will be disbursed as direct payments (consultancy, and expatriate personnel costs, imported equipment, etc) and cash payments (local costs). Direct payments within approved Programme budgets will be effectuated by SIDA without further requests by the Ministry of Finance.

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Disbursement of financial resources are subject to provisions stated in the General Agreement on Terms and Procedures and shall be made in accordance with the valid Agreement on Development Cooperation between Sweden and Tanzania.

Disbursement of Swedish funds will be effectuated quarterly upon handing over of implementation reports including utilization of Swedish and local funds.

ARTICLE VII

Information and Consultations

1. Joint Annual Reviews of the Programme shall be carried out by the competent Tanzanian and Swedish authorities as defined in Article IX to assess progress made, determine relevant actions to be taken and resources required.

Following the Joint Annual Review, Sweden and Tanzania shall have quarterly consultations to assess the progress of on-going activities, in order to ensure that activities are carried out in conformity with this Agreement. The quarterly consultations shall also assess any changes of or any new guidelines proposed, additional staff requirements including terms of employment, and contracting of any additional consultants. Moreover the Parties shall agree upon the annual allocations of Swedish and Tanzanian funds for the Programme.

2. The Prime Minister and First Vice President's Office shall cause the relevant Executing Agencies (Ministry of Energy, Minerals and Water, Ministry of Health and Ministry of Local Governments, Community Development, Cooperatives and Marketing) to prepare quarterly progress reports, including statements on actual and planned expenditures.

One month prior to the Joint Annual Review Tanzania shall submit an annual progress report to Sweden giving its analysis and comments on the overall performance.

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3. The Prime Minister and First Vice President's Office shall submit to SIDA, one month prior to the Joint Annual Review a draft Annual Action Plan for the forthcoming financial year. This draft plan shall present work plans with explanatory comments and breakdown of activities, which show the resources required for each activity. The draft plan shall contain a detailed budget and requirements for manpower and procurement.
4. By February each year, the Prime Minister and First Vice President's Office shall submit to SIDA final Annual Action Plans with relevant budgets to be discussed and approved during the Annual Budget Review, which shall be held by end February/beginning March each year.
5. Following the Annual Budget Reviews, the Prime Minister and First Vice President's Office shall by May each year submit Annual Procurement Plans to the purchasing agent to facilitate a smooth and cost-efficient procurement system.

ARTICLE VIII

Auditing

Auditing of two districts or one district and one region shall be carried out annually by an external, competent auditor.

Prime Minister and First Vice President's Office shall follow-up on audit reports and specify to SIDA what actions will be taken to rectify the problems encountered.

Any material which at the auditing cannot be verified as used for agreed HESAWA-activities shall be replaced by the Agency concerned. HESAWA-funds shall not be used for the procurement of such material

Failure to replace such items within 18 months after the release of auditor's final report, will influence the future Swedish support to the respective region/district.

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[Handwritten signature]

ARTICLE IX

Competent Authorities

In matters regarding the implementation of the HESAWA Programme, the Prime Minister and First Vice President's Office shall be competent to represent Tanzania, and The Swedish International Development Authority, SIDA, shall be competent to represent Sweden.

ARTICLE X

Procedural Questions

The provisions of the General Agreement on Terms and Procedures between Tanzania and Sweden for the period 1 July 1986 - 30 June 1991, and the Agreement on Development Cooperation between Sweden and Tanzania for the period 1 July, 1989 - 30 June, 1991, or any Agreement replacing or superseding the said Agreements, shall govern the implementation of this Agreement.

ARTICLE XI

Entry into Force and Termination

This Agreement shall enter into force on 1 July, 1990 and shall remain valid until 30 June, 1993, unless terminated earlier by either of the Parties at six months' written notice.

Done in two originals in the English language in Dar es Salaam on ~~Sept. 11~~ 1990.

For the Government of
Sweden

For the Government of
the United Republic of
Tanzania

Anders Ohlsson
.....

Shabazz
.....

PROPOSED BUDGETS 1990/91-1992/93 (000 SEK)

	<u>1990/91</u>	<u>1991/92</u>	<u>1992/93</u>
<u>Kagera</u>			
Regional	1.010	1.010	1.010
Bukoba Rural	2.010	2.010	2.010
Biharamulo	1.740	1.740	1.740

Karagwe	915	915	915
Muleba	540	510	510
Ngara	480	480	480
	<u>6.695</u>	<u>6.665</u>	<u>6.665</u>
<u>BUDGET FIGURES</u>	<u>7.000</u>	<u>7.000</u>	<u>7.000</u>
<u>Mara</u>			
Regional	885	885	885
Musoma Rural	355	922	1.179
Bunda	1.385	2.313	2.283

Serengeti	655	870	870
Tarime	280	300	300
	<u>3.560</u>	<u>5.290</u>	<u>5.517</u>
<u>BUDGET FIGURES</u>	<u>4.000</u>	<u>5.500</u>	<u>5.500</u>
<u>Mwanza</u>			
Regional	585	585	585
Magu	1.805	1.705	1.605
Mwanza Municipality	1.390	1.356	1.346
Kwimba	1.720	1.720	1.720

Ukerewe	310	310	310
Geita	230	230	230
Sengerema	180	180	190
	<u>6.220</u>	<u>6.086</u>	<u>5.986</u>
<u>BUDGET FIGURE</u>	<u>6.500</u>	<u>6.000</u>	<u>6.000</u>
<u>Zonal Activities</u>			
<u>BUDGET FIGURES</u>	<u>13.200</u>	<u>13.000</u>	<u>13.000</u>
<u>Planning Reserve</u>			
<u>BUDGET FIGURES</u>	<u>7.300</u>	<u>6.500</u>	<u>6.500</u>
<u>GRAND TOTAL</u>	<u>38.000</u>	<u>38.000</u>	<u>38.000</u>
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APPENDIX 2 :

PLAN OF ACTION 1993/94

PLAN OF ACTION FOR THE PERIOD 1ST JULY 1992 TO 30TH JUNE 1994

Introduction

The current specific Agreement and related Plan of Action, governing the funding and implementation of the HESAWA Programme expires on 30th June, 1993. A new four to five-year Agreement is envisaged to be negotiated between the two governments of Tanzania and Sweden. For proper preparations of both, a new specific agreement and related Plan of Action for this new period of agreement, the Ministry of Community Development, Women Affairs and Children has forwarded a request to SIDA for a one year extension of the present specific Agreement so that it runs up to 30.06.94. Implications show that SIDA is positive for the extension.

As a guiding document for the implementation of HESAWA Programme activities during the extension period, the following Plan of Action is proposed.

Plan of Action for the period 1st July, 1993 to 30th June, 1994

During the one year extension period, the current Plan of Action for the period 1st July 1990 - 30th June 1993, will continue to apply subject to new strategies and amendments on earlier ones, where they have been made, in the Agreed Minutes of 1990, 1991 and 1992. Where differences shall arise, the amendment in the most recent Agreed Minutes shall prevail and override other previous ones.

Furthermore, the recommendations contained in HESAWA Programme Evaluation Report prepared by the international Water and Sanitation Centre (IRC), will provide additional guidance for the Programme Implementation. These particular recommendations are as follows:

- An operational and effective system for supporting community managed operation and maintenance, including the sale and distribution of spare parts, is to be put in place as a matter of greatest urgency.
- The conceptual and operational details of the implementation strategy, particularly in relation to phasing in and out of districts, should be closely reviewed.
- Efforts should continue in promoting HESAWA concept and approach at all levels.
- The role of women in the HESAWA Programme should continue to be strengthened. The gender awareness programme should be closely reviewed to assess its impact, and investigate ways in which it can be both strengthened and made more adaptable to the Tanzanian context and variations in local conditions in the Lake Zone.
- Development of appropriate water supply and sanitation technologies should continue and standards of workmanship improved.
- The Programme should actively encourage greater involvement from the local private sector in both implementation and the manufacture and distribution of spare parts.
- The trend towards greater local procurement and the lessening of dependence on foreign goods in the Programme, should continue to be strengthened.

The Agreed budget frames for 1993/94 and regional Targets/Budgets for the one year extension period are appended hereto.

AGREED BUDGET FRAMES 1993/94 (SEK '000)

KAGERA

Regional	1050	
Bukoba Rural	1080	
Biharamulo	1070	
Karagwe	1030	
Muleba	1030	
Ngara	440	
Total	5700	5700

MARA

Regional	1050	
Musoma Rural	375	
Bunda	1225	
Serengeti	900	
Tarime	450	
Total	4000	4000

MWANZA

Regional	910	
Magu	1070	
Mwanza Municipality	150	
Kwimba	1770	
Ukerewe	600	
Geita	430	
Sengerema	370	
Total	5300	5300

Total Regions/Districts 15000 15000

MCDWC DAR ES SALAAM

* Promotion C-Funds	300	300	
Zonal Office	5000	5000	Incl Stores&Trp
Contracted Services	9800	9800	
Procurement of vehicles	3500	3500	Alloc to regions
Planning Reserve	1400	1400	
* Drilling Programme	3000	3000	Alloc to regions
Grand total	38000	38000	

Expected revenue of sales of vehicles	460	460
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Sw

Agency/Activity	Regional Level		Biharamulo		Bukoba (R)		Karagwe		Muleba		Ngara			
	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budg
<u>COORDINATION</u>														
-Office & Vehicles	Supervision	520		165		140								
-Promotion		-		60		60								
-Study Group Actv.		-		50		40								
-HRD		100		70		70								
-Others		30		-		10								
Sub Total		650		345		320		-		-		-		
<u>AFYA</u>														
-VHW Training	Advisory	-	20	20	20	20	20	20	20	20		-		
-Health Education		-		-		-		-		-		-		
-Sanitation		-	60	15	80	20	20	5	20	5	20	5		
-Water Q/Testing		-		5		5		5		5		5		
-Others		25		10		10		80		60		20		
Sub Total		25		50		55		110		90		30		
<u>MAJI</u>														
-Wells	Advisory	-	25	145	30	165	10	60	6	35	10	60		
-Piped W/S		-	1	300	1	120	1	500	1	600	1	150		
-RWH Institutions		-		-		1	15		-		-	-		
-Running Lorries		125		60		60		75		75		75		
-Drilling		160		-		-		-		-		-		
-Water Laboratory		20		-		-		-		-		-		
-Others		60		110		185		150		110		80		
Sub Total		365		615		545		785		820		365		
<u>MAENDELEO</u>														
-Improve. of TWS	Advisory	-	13	40	20	60	10	30	8	20	4	10		
-Inst. Latrines		-	2	10	6	45	5	30	6	40	2	10		
-Household RWH		-	4	10	14	35	15	45		-		-		
-Others		10		-		20		30		60		25		
Sub Total		10		60		160		135		120		45		
GRAND TOTAL		1050		1070		1080		1030		1030		440		

Agency/Activity	Regional Level		Bunda		Musoma (R)		Serengeti		Tarime					
	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budget
<u>COORDINATION</u>														
-Office & Vehicles	Supervision	540	-	180	-	80								
-Promotion		-	-	150	-	-								
-Study Group Actv.		-	-	50	-	-								
-HRD		80	-	110	-	60								
-Others		10	-	-	-	-								
Sub Total		630	-	490	-	140								
<u>AFYA</u>														
-VHW Training	Advisory	-	20	30	20	30	20	30	20	30				
-Health Education		-	-	-	-	-	-	-	-	-	-			
-Sanitation		-	200	50	80	20	80	20	60	15				
-Water Q/Testing		-	-	10	-	5	-	5	-	5				
-Others		10	-	10	-	-	-	45	-	20				
Sub Total		10	-	100	-	55	-	100	-	70				
<u>MAJI</u>														
-Wells	Advisory	-	25	145	15	100	30	200	15	100				
-Piped W/S		-	1	300	-	-	-	-	-	-				
-RWH Institutions		-	-	-	-	-	-	1	20	-	-			
-Running Lorries		50	-	50	-	-	-	60	-	20				
-Drilling		160	-	-	-	-	-	-	-	-				
-Water Laboratory		80	-	-	-	-	-	-	-	-				
-Others		110	-	-	-	40	-	390	-	195				
Sub Total		400	-	495	-	140	-	670	-	315				
<u>MAENDELEO</u>														
-Improve. of TWS	Advisory	-	20	60	10	30	10	30	5	15				
-Inst. Latrines		-	8	50	2	10	2	10	2	10				
-Household RWH		-	-	-	-	-	-	-	-	-				
-Others		10	-	30	-	-	-	90	-	40				
Sub Total		10	-	140	-	40	-	130	-	65				
GRAND TOTAL		1050	-	1225	-	375	-	990	-	450				

Agency/Activity	Regional Level		Mwanza (M)		Kwimba		Magu		Ukerewe		Geita		Sengerema	
	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budget	Target	Budget
COORDINATION	Supervision													
-Office & Vehicles		250	-		100		100		-		-		-	
-Promotion		80	-		40		40		-		-		-	
-Study Group Actv.		-	-		50		60		-		-		-	
-HRD		85	-		170		50		-		-		-	
-Others		110	150		60		60		-		-		-	
Sub Total		525		150		420		310		-		-		-
AFYA	Advisory													
-VHW Training		-	-	40	40	40	40	20	20	20	20	20	20	20
-Health Education		-	-		-		-		-		-		-	
-Sanitation		-	-	80	20	80	20	80	20	60	15	60	15	15
-Water Q/Testing		-	-		5		5		5		5		5	
-Others	-	-		5		5		45		40		40		
Sub Total		-	-		70		70		90		80		80	
MAJI	Advisory													
-Wells		-	-	55+(20)	450	50+(20)	360	20+(6)	145	10+(5)	85	10	60	60
-Piped W/S		-	-		-		-		-		-		-	
-RWH Institutions		-	-	1	20	1	20	1	10	1	10			
-Running Lorries		50	-		50		50		70		5		5	
-Drilling		320	-		-		-		-		-		-	
-Water Laboratory		15	-		5		5		-		-		-	
-Others	-	-		655		195		205		170		125		
Sub Total		385	-		1180		630		430		270		190	
MAENDELEO	Advisory													
-Improve. of TWS		-	-	12	35	15	45	8	20	6	15	6	15	
-Inst. Latrines		-	-	6	40	2	10	4	20	3	15	2	10	
-Household RWH		-	-	4	10		-		-	1	3		-	
-Others		-	-		15		5		50		47		75	
Sub Total		-	-		100		60		90		80		100	
GRAND TOTAL		910		150		1770		1070		610		430		370

APPENDIX 3 :

TERMS OF REFERENCE

TERMS OF REFERENCE FOR HESAWA ANNUAL REVIEW 1992

Place: Musoma, Mwanza and Bukoba: Review of all the three HESAWA Regions and their Districts.

Mwanza: Review of Zonal Office and the Consultants.

Dar es Salaam: Finalisation and signing of Agreed Minutes.

Time: November 16 - 27, 1992

<u>Review Team:</u>	SIDA	5
	Prime Minister's and 1st Vice President's Office	1
	Ministry of Community Development, Women Affairs and Children	3
	Planning Commission	1
	Ministry of Finance	1
	Ministry of Water, Energy and Minerals	1
	Ministry of Health	1
	RDDs and DEDs (to join the Review Team when their respective Regions/Districts are reviewed)	

Review Tasks and Procedures:

Task I. 1991/92 Annual Progress Reports and Analyses.

To be carried out by the Review Team through,
- study of reports and analyses,
- briefs by RHCs and DEDs/DHCs, Zonal Office and Consultants,
- discussions with Regional, District and Zonal representatives.

Task II. Draft Action Plans and Budgets for 1993/94.

Regional and District representatives will present their Draft Action Plans and Budgets for 1993/94.

Task III. Subject Matters.

The following subject matters will be covered by the Review Team:

- HESAWA Evaluation Study Report,
- HESAWA Transport Study, Preliminary Report
- Plans for Extension of Agreement, 1993/94,
- Discussions on planning and preparations for the 3-year extension of the Agreement, 1994/95 - 1996/97,
- Hard Rock Drilling in the Programme Areas,

- Hard Rock Drilling in the Programme Areas,
- Strategy to strengthen Gender Issues within the Programme,
- Report on revised scope of the Study Group Programme,
- Report on Revolving Funds,
- Report on phasing in/phasing out progress,
- Progress reports on:
 - a) increasing awareness in the villages on cost recovery and operation and maintenance aspects,
 - b) practical alternatives for continuous and reliable supply of hand pumps and spare parts,
 - c) programme to establish standard designs for the most common types of water facilities,
 - d) revision of the grace period concept.
- Evaluation of experiences of electrified and solar schemes.
- Reporting system on the status of water activities.
- Reports on development of guidelines:
 - a) Human Resources Development,
 - b) Village Health Workers Programme,
 - c) School Health and Sanitation Package,
 - d) Environmental Sanitation,
 - e) Gender Issues,
 - f) Transport,
 - g) Phasing in/Phasing out,
 - h) Financial Procedures.
- Printing of Local Government Acts.
- Reports on mapping of existing water installations.
- Reports on the status of ongoing schemes, including the extent of completion, actual and planned costs, and systems for cost recovery and operation & maintenance.
- Auditing.
- Principles for support to institutions.
- Plans for gradual scaling down of Zonal Office.

Background Material:

- Annual Physical and Financial Progress Reports and Analyses,
- Draft Action Plans and Budgets for 1993/94,
- Consultants' Reports,
- Other relevant Reports (see Matters for Discussion)

APPENDIX 4:

LISTS OF PARTICIPANTS

1992 HESAWA ANNUAL REVIEW - LIST OF PARTICIPANTS

PREPARATORY MEETING

16th NOVEMBER 1992

NAME	POSITION	ORGANISATION
1. Lars Norvik	Prog. Officer	SIDA, DCO
2. Inguar Andersson	Dept. Director	SIDA, Stockholm
3. Per Brandstrom	HPA	ZHCO
4. M.U. Mtui	HDD	ZHCO
5. N.J. Swai	Proj. M.M.	PMO
6. H.S. Kamote	Economist	NPC
7. P.M. Rugeiyama	S.P.E.E.	Maji, DSM
8. T.M. Mtandu	AO	ZHCO
9. T.P.N. Kyaruzi	SPMOI	ZHCO
10. M.N. Kapella	SFO	Min. of Finance
11. F.L. Mishael	Economist	MCDWC
12. A.H. Kisuju	PCO	MCDWC, DSM
13. C.A. Lushiku	PCO	ZHCO
14. R.S. Nyanlawa	Director	BCS
15. Bo Lindhe	Dep. Head	SIDA/DCO, DSM
16. B. Eriksson	Financial Contr. (Outgoing)	ZHCO
17. Agneta Rolfer	Editor	SIDA, Stockholm
18. Edith M. Munno	HD, MP	MCDWC

1992 HESAWA ANNUAL REVIEW - LIST OF PARTICIPANTS

MARA REGION

17th - 18th NOVEMBER 1992

NAME	POSITION	ORGANISATION
1. A.H. Kisuju	PCO	MCDWC - DSM
2. T.P. N. Kyaruzi	SOMO 1	ZHCO - Mwanza.
3. Bon Thorburn	Water Engineer	SIDA
4. Thomas M. Mtandu	AO local staff	ZHCO - Mwanza
5. C.A Lushiku	PCO	ZHCO - Mwanza
6. J.A. Mukumwa	RWE	ZHCO - Mwanza
7. Z.M.Kibihire	DHC	Tarime
8. A.M.S. Byemerwa	Const. Engineer	Maji Mara
9. J.B.M.Panga	DWE	Bunda
10. Adelaida Masige	Afya Coordinator	Bunda
11. Silvan S.Z. Lugira	DCDO	Bunda
12. Magohe M.K.A.	DHC	Bunda
13. L.M. Buremo	DED	Bunda
14. Bjorn Moller	Technical Adviser	Hifab, Stockholm
15. Kerstin Nordvaller	Financial Contrl.	ZHCO, Mwanza
16. Agneta Rolfer	Editor	SIDA, Stockholm
17. Amandus Z. Masinde	Reg. HESAWA Acct.	HESAWA, Mara
18. Method M. Kishumba	Health Officer	HESAWA, Mara
19. Bo Lindhe	Deputy Head	SIDA/DCO, DSM
20. Lars H. Norvik	Prog. Officer	SIDA/DCO, DSM
21. Ingvar Andersson	Deputy Director	SIDA, Stockholm
22. Per Brandstrom	HPA	ZHCO, Mwanza
23. M.U. Mtui	HDD	ZHCO, Mwanza

	NAME	POSITION	ORGANISATION
24.	B. Eriksson	FC (Outgoing)	ZHCO, Mwanza
25.	B.E. Rystrom	RHA	HESAWA, Mara
26.	R.S. Nyaulawa	Director	BCS
27.	F.L. Mishael	Economist	MCDWC - DSM
28.	H.S. Kamote	Economist	NPC - DSM
29.	N.J. Swai	Proj. Man. Office	PMO - Dodoma
30.	M.N. Kapella (Mrs)	SFO	Min. of Finance
31.	P.M. Rugeiyamu	SPEE	Maji HQ, DSM
32.	D.K. Kabhate	DHC	Musoma (R)
33.	A.N. Kihaga	DCDO	Musoma (R)
34.	KMC Tingirawanyuma	DED	Musoma D.C
35.	M. Mwandu	DHT	Musoma (R)
36.	M.B. Misango	Afya	Musoma (R)
37.	F.S. Mboje	DWE	Musoma (R)
38.	Dr. J.B. Mabula	R.M.O	Mara
39.	F.B. Kalimanzila	RHO	Mara
40.	D.R.N. Msaki	DCDO	Serengeti
41.	S. Maseke	DHO	Serengeti
42.	N.S. Mangure	DED	Serengeti
43.	E.L.Lweyemamu	DWE/DHC	Serengeti
44.	R.M. Nyambwa	PCO	Region
45.	R.M. Kaunda	Maendeleo	HESAWA, Mara
46.	F.M. Chacha	RHC	Mara
47.	A. Lugombe	RPLO	Mara
48.	G. Mgendi	RDD	Mara

1992 HESAWA ANNUAL REVIEW MEETING - 19th 20th NOVEMBER 1992

MWANZA REGION - LIST OF PARTICIPANTS

NAME	POSITION	ORGANISATION
1. J. Kymbwa	RDD	Mwanza
2. Borje Eriksson	FC (Outgoing)	ZHCO, Mwanza
3. Per Brandstrom	HPA	ZHCO, Mwanza
4. M.U. Mtui	HDD	ZHCO, Mwanza
5. P. Ngassa	DED	Magu
6. A.B. Dongwe	DHC	Magu
7. T.A. Kyamba	PLO	Mwanza
8. Bo Westman	Head DCO	SIDA, DSM
9. Ingvar Andersson	Deputy Director	SIDA, Stockholm
10. Margaretha Sundgren	Sen. Programme Off.	SIDA, Stockholm
11. Lars H. Norvik	Prog. Officer	SIDA/DCO, DSM
12. Theo P.N. Kyaruzi	SPMO 1	ZHCO, Mwanza
13. Noor Mbakile	DPO	Magu
14. Rénatus Mdalami	DCDO	Magu
15. Joseph K. Bundala	Maendeleo Tech	Magu
16. Lucas K. Jephuter	S/W i/c	Magu
17. Shabani Kihemba	Technician Water	Magu
18. R. M. Itendelebanya	DWE	Magu
19. John Sangola	DHT	Magu
20. D.L. Gabriel	DTOT	Magu
21. Saliath Hassan	DVHWP Coordinator	Magu
22. S.K. Mazula	DHO	Magu
23. Zaitun S. Thani	Water Lab.	Mwanza

	NAME	POSITION	ORGANISATION
24.	P.S. Buretta	Technician	Maji, Mwanza
25.	M.N. Kapella	S.F.O.	Min. of Finance
26.	Sven-Olof Wallerang	RHA	Mwanza
27.	T.M. Mtandu	Officer	ZHCO, Mwanza
28.	A.H. Kisuju	PCO	MCDWC, DSM
29.	J.C. Mwaihojo	DWE	Sengerema
30.	R.E.F. Chidosa	DED	Sengerema
31.	S. A. Rwebangira	DPLO	Sengerema
32.	F.L.T. Mikindo,	DCDO	Sengerema
33.	C.N. Gisema	DHO	Sengerema
34.	T. Kishenyi	DED	Ukerewe
35.	E.M. Kato	DWE	Ukerewe
36.	J.A. Mwakasege	DCDO	Ukerewe
37.	T.S. Maganga	DHO	Ukerewe
38.	H.S. Salum	SW i/c	Ukerewe
39.	A.B. Bunduki	for RCDO	Mwanza
40.	P.M. Rugeiyamu	SPEE	Maji HQ, DSM
41.	E.E. Mahawi	RHC	Mwanza
42.	N.J. Swai	PMO	PMO, Dodoma
43.	H.S. Kamote	Economist	NPC, DSM
44.	O.T. Maserele	ZDI	Maji, Mwanza
45.	M.A. Baragwiha	RWE	Mwanza
46.	S. Matowo	Water Lab i/c	Maji, Mwanza
47.	T.M. Bukwimba	RHGO	Maji, Mwanza
48.	B. Thorburn	Water Engineer	SIDA

NAME	POSITION	ORGANIZATION
49. Sophia Ntomola	HO	Afya, Mwanza
50. D.M.K. Misinde	RHO	Afya Mwanza
51. Elizabeth Lyinga	RH Accountant	Mwanza
52. C.A. Lushiku	PCO	ZHCO, Mwanza
53. Kerstin Nordvaller	FC	ZHCO, Mwanza
54. Agneta Rolfer	Editor	SIDA, Stockholm
55. Bjorn Moeller	Project Manager	Hifab, Stockholm
56. K.M Swema	SGP	Kwimba
57. M.L.Mayala	H/O	Kwimba
58. E.J. Kahembe	DPO	Kwimba
60. S.N Rugisah	SW i/c	Kwimba
61. S.A. Masso	DED	Kwimba
62. N.A. Mugeta	CDO	Kwimba
63. Paulo Buswage	DHT	Kwimba
64. R.R. Sangiwa	RPLO	Mwanza
65. R.S. Nyaulawa	Director	BCS, DSM
66. F.L. Mishael	Economist	MCDWC, DSM
67. F.A. Ndimbo	for Mun. Director	Mwanza
68. S.L. Tofiki	DHC	Mwanza
69. V. Nyonyo	DTOT	Mwanza
70. S. Kunaga	DTOT	Mwanza
71. S. Buluba	for DWE	Mwanza
72. Justine Mgalula	DED	Geita
73. K.S.C. Makonde	DCO	Geita

NAME	POSITION	ORGANISATION
74. T.B. Madaha	DWE	Geita
75. F. Massota	DHO	Geita
76. J. Mwangande	CDO	Geita

1992 HESAWA ANNUAL REVIEW - LIST OF PARTICIPANTS

ZONAL OFFICE

20th NOVEMBER 1992

NAME	POSITION	ORGANIZATION
1. Bo Westman	Head SIDA-DCO	SIDA, DSM
2. Inguar Andersson	Dept. Director	SIDA, Stockholm
3. Margaretha Sundgren	Sen. Prog. Officer	SIDA, Stockholm
4. Lars H. Norvik	Prog. Officer	SIDA/DCO, DSM
5. Per Brandstrom	HPA	ZHCO
6. Llyod Martinsen	STM	Hifab/ZHCO
7. Bosse Hultberg	Liaison Officer	Hifab, DSM
8. Borje Eriksson	FC (Outgoing)	Hifab/ZHCO
9. Kerstin Nordvaller	FC	Hifab/ZHCO
10. Sven-Olof Wallerang	RHA	Mwanza (Hifab)
11. James K. Manumbu	IA	ZHCO
12. Augustine Mashishi	ZSWI	ZHCO
13. James Malinzi	Accountant	ZHCO
14. M.U. Mtui	HDD	ZHCO
15. Theo P.N. Kyaruzi	SPMO 1	ZHCO
16. Stan N. Mashamba	CUDO	ZHCO
17. John G. Bilinzozi	HSE	ZHCO
18. Deo Binamungu	ZTO	ZHCO
19. T.M.J. Itule	CPLO	ZHCO
20. F.B.K. Kalimanzira	LPO	ZHCO
21. R.D. Njoki	FA	ZHCO

NAME	POSITION	ORGANISATION
22. N.J. Swai	Proj. Man. Office	PMO, Dodoma
23. M.N. Kapella	S.F.O.	Min. of Finance
24. P.M. Rugeiyamu	SPEE	Maji HQ DSM
25. Bo Thorbunn	Water Engineer	SIDA
26. Bjorn Moller	Technical Advisor	Hifab, Stockholm
27. Hussein Kamote	Economist	NPC - DSM
28. E.S. Mwasha	Health Advisor	ZHCO
29. R.S. Nyaulawa	Director	DSM
30. T.M. Mtandu	AO\Local Staff	ZHCO
31. A.H. Kisuju	PCO	MCDWC
32. C.A. Lushiku	PCO	ZHCO

1992 HESAWA ANNUAL REVIEW - LIST OF PARTICIPANTS

SUBJECT MATTERS DISCUSSION

21st - 22nd NOVEMBER, 1992

NAME	POSITION	ORGANISATION
1. H.S. Kamote	Economist	NPC, DSM
2. N.J. Swai	Proj. Man Officer	PMO, Dodoma
3. M.N. Kapella	S.F.O	Min. of Finance
4. P.M. Rugeiyamu	SPEE	Maji HQ, DSM
5. Ingvar Andersson	Dept. Director	SIDA, Stockholm
6. M.U. Mtui	HDD	ZHCO, Mwanza
7. Per Brandstrom	HPA	ZHCO, Mwanza
8. Lars Norvik	Prog. Officer	SIDA/DCO, DSM
9. Margaretha Sundgren	Sen. Prog, Officer	SIDA, Stockholm
10. Bo Westman	Head SIDA-DCO	SIDA, DSM
11. Agneta Rolfer	Editor	SIDA, Stockholm
12. E.E. Mahawi	RHC	RDD's Office, MWZ
13. Sven-Olof Wallerang	RHA	Mwanza/Hifab
14. George K. Mugenyi	RHC	Kagera
15. Borje Eriksson	Financial Contr. (Outgoing)	ZHCO
16. Bjorn Moller	Technical Adviser	Hifab, Stockholm
17. Augustine Mashishi	ZSWI	ZHCO
18. A.H. Kisuju	PCO	MCDWC, DSM
19. J.G. Bilinzosi	HSE	ZHCO
20. R.D. Njoki	FA	ZHCO Mwanza
21. J.M. Manumbu	IA	ZHCO, Mwanza
22. T.M. Mtandu	AO	BCS/ZHCO, Mwanza

1992 HESAWA ANNUAL REVIEW - LIST OF PARTICIPANTS

KAGERA REGION

23rd - 24th NOVEMBER, 1992

NAME	POSITION	ORGANISATION
1. Theo P.N. Kyaruzi	S.P.M.O.I.	ZHCO, Mwanza
2. Bo. Thorburn	Water Engineer	SIDA
3. A.H. Kisuju	PCO	MCDWC, DSM
4. F.L. Mishael	Economist	MCDWE, DSM
5. Kerstin Nordvaller	Financial Contr.	ZHCO, Mwanza
6. Bjorn Moller	Technical Adviser	Hifab, Stockholm
7. Agneta Rolfer	Editor	SIDA, Stockholm
8. P.M. Rugeiyamu	SPEE	Maji HQ, DSM
9. R.S. Nyaulawa	Director	BCS, DSM
10. Y. Abdulkarim	DHO	Muleba
11. J. Mutashoby	CDO	Muleba
12. I.M. Kaura	DPLO	Muleba
13. C.H. Minja	DED	Muleba
14. T.B. F. Kwatilao	DWE	Muleba
15. Roger Gother	RHA	Kagera
16. K.D. Muganyizi	CDO	Bukoba (R)
17. A.M. Kisili	DPO	Bukoba (R)
18. Ahmada Abdallah	DWE	Bukoba (R)
19. Anna Mary Nsubuga	Afya	Bukoba (R)
20. A.K.S. Byeje	DED	Bukoba (R)
21. C.M. Kiberenge	DHC	Bukoba (R)
22. M.W. Mutayoba	Maji	Karagwe

	NAME	POSITION	ORGANISATION
23.	O.K. Mwashu	DED	Karagwe
24.	J. Ndyetabura	Afya	Karagwe
25.	D.K. Makatu	CDO	Karagwe
26.	H.S. Kamote	Economist	NPC, DSM
27.	Dr. C. Mutabuzi	DMO	Ngara
28.	Olang S.O.	PLO	Ngara
29.	T.A.W.R. Nyamhanga	DED	Ngara
30.	Pius L. Ntama	Maji	Ngara
31.	C.A. Lushiku	PCO	ZHCO, Mwanza
32.	M.N. Kapella	SFO	Min. of Finance
33.	N.J. Swai	Proj. Man. Officer	PMO, Dodoma
34.	B. Eriksson	FC (Outgoing)	ZHCO
35.	P. Brandstrom	HPA	ZHCO
36.	M.U. Mtui	HDD	ZHCO
37.	L.N.R. Tibaitirwa	CDO Kagera	Kagera (R)
38.	V.K. Mutabasibwa	Engineer Maji (R)	Kagera
39.	P.M. Faiko	RHD	Kagera
40.	G.K. Mugenyi	RHO	Kagera
41.	I. Andersson	Deputy Director	SIDA, Stockholm
42.	M. Sundgren	SPO	SIDA, Stockholm
43.	L.H. Norvik	Prog. Officer	SIDA/DCO, DSM
44.	B. Westman	Head	SIDA/DCO, DSM
45.	E. Anyosisye	Ag. RPLO	Kagera (R)
46.	M.O. Nicolao	RDD	Administration
47.	T.M. Mtandu	AO local staff	BCS/ZHCO

NAME	POSITION	ORGANISATION
48. M. Marwa	A. DED	Biharamulo
49. G.A. Nyongoli	H/O	Biharamulo
50. S. Rwegoshora	CDT	Biharamulo
51. L.S.K. Rweyemamu	DWE/DHC	Biharamulo
52. C.F. Kato	R,V, Hso Coord.	Kagera
53. Ali Mohamed	HESAWA Acct	Kagera

APPENDIX 5 :

BUDGET FOLLOW-UP; HESAWA 1991/92

S I D A
Infrastrukturbyrå
M Sundgren

PROMEMORIA

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23 October, 1992 *Dossier* 1 TAN 32.15

Budget follow up - HESAWA 1991/92

<u>Activity</u>	<u>Budget</u>	<u>Utilized</u>
Technical Assistance	700	446
Short-Term Consultancies	800	309
Planning Reserve	8.471	522
AMREF	400	141
Hifab	7.067	5.765
Local Consultant BCS	1.650	-
Implementation	<u>18.912</u>	<u>20.634</u>
TOTALT	38.000	27.817

DESCRIPTION	Approved Budget	Actual Utilized	% Utilized	Balance
STORES/TRSP. UNIT				
Consultcontr. Hifab	1045	735	75%	310
Purchase/Repl. Cars	2080	1924	93%	156
Purch/Repl. Lorries	975	784	80%	191
Purchase Bicycles	207	213	103%	-6
Purchase M/C	293	308	105%	-15
Inc.fr. Sales-Veh.	0	-514		514
Running Store/Wsh.	127	124	98%	3
Inv. Reg. Workshops	162	153	94%	9
Drillrigs/Spares	324	324	100%	0
Compressor/Spares	27	13	48%	14
Sub Total	5240	4064	78%	1176
TOTAL ZONAL LEVEL	17949	14533	81%	3416
REGIONS/DISTRICTS	13836	11857	86%	1979
PLAN.RES.(Comm.4)	6215	2038	33%	4177
Incl. excl. vehicles	0	-125		125
GRAND TOTAL	38000	28303	74%	9697
GRAND TOTAL 90/91	38000	31620	83%	6380
Period : 9007-9106				
(For Information)				

Comments

1. Payments made directly by SIDA 9107-9206 from planning reserve are included.
2. Other payments made directly by SIDA 9107-9206 are included.
Please note that "c-funds" released to MCDWC has been included.
3. Purchase and Transport charges distributed SEK 1681. It accounts for 19% of the value of goods/material issued within the period 9107-9206.

BUDGET FOLLOW UP - ZONAL ACTIVITIES + SUMMARY 1991/1992

(All figures are in "000" SEK) Period : 9107-9206

DESCRIPTION	Approved Budget	Actual Utilized	% Utilized	Balance
DEPUTY DIRECTOR				
Running of Office	230	229	100%	1
Stationeries	117	1074	89%	13
Equipment/Invest.	214	214	100%	0
Library/Literature	10	5	50%	5
Personnel-Remuner	186	36	19%	150
Personal-Travel	282	253	90%	29
Zon. Pool Vehciles	642	636	99%	9
Technical assist.	700	469	67%	231
DD Housing	15	15	100%	0
Consult. short term	800	575	72%	225
Consultcontr. Hifab	6023	5241	87%	782
AMREF	400	143	36%	257
Local Consult. BCS	1400	1155	83%	245
SUB TOTAL	11019	9075	82%	1944
HRD UNIT				
General	569	549	96%	20
Dev. Course files	203	214	105%	-11
Zonal input SGP	145	174	120%	-29
Support to inst.	170	121	71%	49
Scholarships	197	158	80%	39
SUB TOTAL	1284	1216	95%	68
PL/EVALUATION UNIT				
General support	177	63	36%	114
VHW training supp.	17	1	6%	16
Health education	37	14	38%	23
School Health Supp	16	10	38%	6
Sanitation	67	55	82%	12
Monitoring/Eval.	70	18	26%	52
SUB TOTAL	384	161	42%	223
FINANCIAL UNIT				
Information	6	5	83%	1
Back up service	16	12	75%	4
SUB TOTAL	22	17	77%	5

<u>Planning Reserve</u>	<u>Utilized</u>
New Hesawa Store	417
Methology w/s	1
Ext. Zonal Off.	105
SGP evaluation	10
RWE Conference	19
Guest Houses	-2
TOT train. NBI	5
Hesawa Calender	37
Mapping-Mara	6
Hesawa newsl.	178
RDDs to Sweden	127
Book prod.	60
O/M Contr. Mara	621
Budget	71
Exp. A/B courses	117
Gender workshop	11
Course-nutr. etc	11
Others	55
TOTAL	<u>2038</u>

SEK 1776 released to Regions and Districts.

SEK 70 released to Bujora training centre.

SEK 34 released to Bukumbi hospital.

SEK 626 released to Zonal Office.

REGIONAL SUMMARY REPORT
HESAWA

ALL AMOUNTS IN SEK 25.08.91
PERIOD : 9107 - 9206

DETAILS	BUDGET	UTILIZATION	BALANCE	UTILIZATION %
Kagera Region	1001000	-1011960	-10960	101
Bukoba Rural	1142000	-978378	163622	86
Muleba	632000	-557640	74360	88
Ngara	325000	-440374	-115374	135
Karagwe	845000	-721326	123674	85
Biharamulo	1473000	-1040009	432991	71
TOTAL KAGERA REGION	5418000	-4749687	668313	88
Mara Region	1028000	-1025618	2382	100
Musoma Rural	436000	-428197	7803	98
Bunda	873000	-707344	165656	81
Serengeti	726000	-566773	159227	78
Tarime	358000	-341999	160001	96
TOTAL MARA RETION	3421000	-3069931	351069	90
Mwanza Region	699000	-676542	22458	97
Mwanza Municipal	759000	-641791	117209	85
Magu	1242000	-872405	369595	70
Kwimba	1575000	-1145927	429073	73
Ukerewe	282000	-259481	22519	92
TOTAL MWANZA REGION	4997000	-4037865	959135	81
TOTAL ALL REGIONS	13836000	-11857483	1978517	86

APPENDIX 6:

PLAN OF ACTION FOR WOMEN ORIENTED

DEVELOPMENT ASSISTANCE

February, 1993

Plan of Action for Women Oriented Development Assistance

The Plan of Action will be worked out and distributed separately.