

SMB/009/0021/3

08/09/87

ELECTRONICS DEPARTMENT,  
MAZIMBU, 8 SEPT. 1987.

DEPARTMENT OF MANPOWER DEVELOPMENT,  
MAZIMBU.

Dear Comrade Vusi,  
I hereby wish to submit a list of comdes identified as the most suitable for the tasks delegated to the Electronics Department. I am particularly referring here to the REDIFFUSION SYSTEM project, which was described in a document submitted to you some time back. In that document also, a list of suitable personnel was submitted, so that what follows below is a revised and updated list. These are the comrades:

1. CDE. EDWIN "FISH" MELATO (A.N.C. OFFICE MORO-TOWN)
2. CDE. SIPHO NHLAPHO (MAZIMBU LIBRARY)
3. CDE. DAN MOFOKO (RECENTLY RETURNED FROM CUBA)
4. CDE. GLORIA NKADIMENG (RECENTLY RETURNED FROM CUBA)
5. CDE. SHEPERD WILLIAMS (DAKAWA)
6. CDE. SPIKE RAPADU (DAKAWA)
7. CDE. NDUDUZO FIHLELA (SITE OFFICE)
8. CDE. CHRIS GOLOLO (COBBLERY)
9. CDE. BIKKIE ABRAHMS (ADMIN. OFFICE)
10. CDE. DESIREE CHIPETA (RECENTLY RETURNED FROM CUBA)

The present situation is such that we can start with the projects as soon as the 18th of September. All the materials to enable us to do so are already at the docks and the clearing process is at an advanced stage, which means these can be released any day from now.

As a result, I would really appreciate it if the position with regard to the processing of the above mentioned comrades could be cleared before the 18th, if it is possible. The reasons for the urgency are the following:

1. There is a storage problem, as a result, as soon as the material arrives here in Mazimbu we would like to have it installed in the shortest possible time in order to release the temporary storage facilities being arranged for us.
2. On our plan, we have two major projects to complete before the end of this year. The first of these is the RADIO SISULU REDIFFUSION SYSTEM. The second project is a 32 EXTENSION AUTOMATIC DIGITAL TELEPHONE EXCHANGE SYSTEM, whose wires we intend to install simultaneously with the rediffusion system wires.



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I hope that my letter will receive your most favourable response and the matters raised in it the urgent attention they deserve.

In this, our year of:

A D V A N C E T O P E O P L E ' S P O W E R ! !

I wish to remain,  
Yours in the Struggle,

*Solly Makwakwa*

SOLLY MAKWAKWA

A M A N D L A ! ! M A A T L A ! !

CC. CDE. ROBERT MANCI - N.E.C. SPECIAL REPRESENTATIVE IN E.A.  
CDE. TIM MASEKO - CHIEF ADMINISTRATOR OF MAZIMBU.  
CDE. SPENCER HODGSON - ACTING PROJECTS MANAGER.  
CDE. ANDREW MASONDO - PRINCIPAL OF SOMAFCO.  
CDE. KAYA VANDA - REGIONAL TREASURER FOR E.A.



AFRICAN NATIONAL CONGRESS

OF

SOUTH AFRICA

P R O J E C T

REDIFFUSION SYSTEM FOR SOMAFCO AND MAZIMBU

ASSIGNED BY: CDE ROBERT MANCI (NEC REPRESENTATIVE IN EA)  
CDE T T NKOBİ (TREASURY GENERAL OF ANC(SA))

UNDERTAKEN BY: THE ELECTRONICS DEPARTMENT

DOCUMENT PREPARED ON: 14th JUNE 1987



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## THE RADIO SISULU REDIFFUSION SYSTEM PROJECT FOR MAZIMBU

### 1. INTRODUCTION

There has always existed a great need for an effective means of passing on information as well as to make urgent announcements around the Mazimbu complex. Comrade Mancu appealed on behalf of the complex to the office of the Treasurer General of the African National Congress of South Africa to provide the necessary equipment to enable the Electronics Department to undertake the above-mentioned project. This document will attempt to explain, firstly, what the project is; secondly, to suggest a way of its implementation in terms of administration, possibilities opened to us as a community, legal and security aspects; and lastly, to outline the requirements for the successful installation of the system.

### 2. THE RADIO SISULU REDIFFUSION SYSTEM

The heart of the system will be the broadcasting station which uses FM so that we do not disturb Tanzanian Broadcasts, and the station will cover the whole of Mazimbu and not very far beyond our own premises - for example Morogoro town will not receive it.

For rediffusion purposes, Mazimbu has been divided into units. These are as follows:

- Unit 1: The school dormitories (this unit is further divided into 6 sub-units 01-06)
- Unit 2: The Hospital
- Unit 3: The Guest House
- Unit 4: The Children's and Veteran's Centres
- Unit 5: The Construction (further divided into 8 sub-units)
- Unit 6: The Farm
- Unit 7: Youth Centre and the Charlottes

At each unit, Radio Sisulu will be received by a receiver which will be connected to a master amplifier, which will drive a slave amplifier to which will be connected up to 30 speakers. The master amplifier can also drive additional speakers if need be, so the total number of speakers connected to the complete system could be more than 300, but we have acquired 300 speakers for the time being, 10 of which should be reserved for spares. Each speaker has an ON/OFF button as well as three levels of loudness.

The system is intended to provide background music during working hours as well as to enable the administration to pass urgent messages to the various production units. The school and hospital will also have this possibility within its own local network.

Within each of the seven units, the system can be used as a one-way intercom, that is, somebody can be called by microphone, or an announcement concerning only that unit can be made. Due to limited funds, the houses cannot be provided with speakers as yet.



Any house with individuals with a radio that contains the FM band will be able to receive Radio Sisulu directly (only within Mazimbu). So, we hope, with the help of the Stores to provide those houses with no FM receivers with one. These always arrive as second-hands from Europe and up to now, it has not been possible to use such radios in Tanzania, so, they will be used to receive Radio Sisulu. The maintenance and servicing of the Rediffusion System will be ensured by the Electronics Department.

### 3. IMPLEMENTATION AND ADMINISTRATION

#### 3.1 LEGAL ASPECTS

It is illegal in any country to undertake broadcasting activity without authorisation by the government of that particular country. The legal status of Radio Sisulu was looked into by the Office of the Chief Representative in Dar es Salaam. Radio Sisulu was taken to Dar es Salaam to be examined by the relevant authorities. It was later handed back to Cde Manci with a note from the Office of the Chief Representative saying that we could broadcast.

#### 3.2 SECURITY ASPECTS

A radio broadcasting station is a very powerful instrument for the dissemination of information. This is why it is subject to such strict control in all countries. It is therefore very important even for us to be able to ensure that Radio Sisulu adheres strictly to ANC Policy and respects the host country's policies.

This point is very important, because, although Radio Sisulu is only for Mazimbu, the people living in the village just outside our complex could pick it up, but the signal will be very weak there, and it will not reach Morogoro town.

To solve this problem, perhaps the RPC should be made responsible for this task. Another possibility is for us to appeal to CIP to appoint one or two people to assist in this respect. In fact, DIP has always had a very big interest in the operation of Radio Sisulu. Plans were already underway to conduct programme-preparation workshops, to assist the comrades working on Radio Sisulu. So, DIP is expected to make a substantial contribution to the organisation of Radio Sisulu, because, apart from anything else, DIP views Radio Sisulu as a possible training facility for potential recruits into DIP.

#### 3.3 SOME OF THE POSSIBILITIES OFFERED BY THE RADIO SISULU REDIFFUSION SYSTEM

- (a) Radio Sisulu can run a series of political programmes to assist the on-going effort by the movement to educate its cadres politically
  - i) Programmes on the History of the Struggle
  - ii) Programmes on political theory and philosophy
  - iii) Interviews, etc.
- (b) Radio Sisulu can run a series of educational programmes. These could include:
  - i) "Let's Learn Kiswahili"
  - ii) "Let's Learn English, Zulu and Sotho"
  - iii) Programmes about science, health, history and general vocational guidance, etc.



(c) Radio Sisulu can run popular musical programmes, eg

- i) Different kinds of South African music, with commentaries on how it developed, etc.
- ii) Jazz and classical music programmes also with commentaries
- iii) Folk music from different countries with background information, etc.

(d) Other activities of Radio Sisulu could include the following:

- i) Monitoring world external services of major broadcasting stations and recording interesting broadcasts from these to be rebroadcast through Radio Sisulu.
- ii) Radio Sisulu should appeal to the community to come forward with suggestions on how to further improve the quality of the broadcasts from their own local station

These are just a few of the possibilities that exist, many more will still come forward from all of us as a community as we develop our station to serve our needs.

### 3.4 RADIO SISULU STAFF REQUIREMENTS

In appointing the staff for Radio Sisulu the following should be taken into account:

- (a) The issues raised under Section 3.2
- (b) Preferably, they should have some broadcasting experience.

The minimum number of permanent members of staff for Radio Sisulu should be two comrades, apart from the one or two comrades who could be provided by DIP.

## 4. REQUIREMENTS FOR THE INSTALLATION OF RADIO SISULU REDIFFUSION SYSTEM

### 4.1 LOCATION SITE FOR RADIO SISULU

The Library was identified as the most suitable location site for Radio Sisulu. Negotiations or investigations and consultations were entered into with the Library and a room was provided for this purpose. The choice of the Library for this purpose was in conformity with conventional practice all over, namely, aeriels are always mounted on the tallest buildings in any location. This simplifies the design of the aerial and make it physically smaller than would otherwise be the case, this also reduces construction costs.

With us here in Mazimbu, an added factor of advantage in using the Library for this purpose is that the area where the Library is situated happens to be the third highest point according to contour studies of Mazimbu. Now, with the added advantage of the height of the Library, the aerial design is greatly simplified and very cheap to construct. Another advantage of the Library is the quiet that prevails there, real ideal condition for a broadcast studio.

*Repetition of not necessary*



#### 4.2 TEMPORARY STORAGE FACILITIES

Within the next few weeks will be arriving 300 speakers, 500 reels of wire and a huge consignment of sensitive electronic equipment for the intended system. Storage arrangements have already been discussed with the Treasury. The security of the foreseen storage place will further be strengthened by the installation of an alarm system. The material will gradually be removed and installed at the various locations until this space is free again for other uses.

#### 4.3 MANPOWER REQUIREMENTS

As indicated above and elsewhere in this document, there is a lot of work to be done. As an indication, there are 50 kilometres of wire to be pulled and 300 speakers to be mounted on walls. Apart from this there are a host of other tasks to be completed. The manpower in the department at the moment would not cope with even a quarter of what is to be done.

In view of this, the department wishes to recruit more manpower. The manpower should be suitable for the task at hand, namely, should preferably have received some training in Electronics, because during this installation many technical problems will be discussed and solutions found, and the comrades participating will gain something. The department wishes to request for the following comrades:

1. Cde Edwin Mulato (Morogoro Town)
2. Cde Mongezi Zihle (Dakawa)
3. Cde Nduduzo Fihlela (Site Stores)
4. Cde Chris Gololo (Cobblery)
5. Cde Sipho Nhlapo (Library)
6. Cde J Preston (SOU)

*(Suggestion - and at least one communication person from PED)*

And any other suitably qualified and interested comrades to come and join the department.

For the work on the dormitories an appeal will be made to the School Office for the use of a few selected students. A similar appeal will be made for the wiring of the Youth Centre. This is how we think we can solve the manpower problem.

#### 4.4 TRANSPORT REQUIREMENTS

The department will require transport to transport the equipment, manpower and tools to the various installation sites. Transport will also be required to accomplish the various administrative tasks that have to be completed.

A suitable vehicle for the department's needs is one that can transport a minimum of four people together with all required test equipment for a particular task. Such a vehicle could be an ISUZU TROOPER, LAND CRUISER or LANDROVER, because the added requirement is that it should be a four-wheel drive.

For short errands around the complex, the department needs a bicycle.

#### 5. CONCLUSION

We hope to have highlighted all the major aspects involved with this project, and to have covered the requirements for its successful implementation. Any other unforeseen complications will be discussed and reported as they arrive.



We look forward to the successful implementation of this project, above all else, we are looking forward to maximum assistance and advice from all our administrative structures to make this project a success.

cc: The Chief Representative, Dar es Salaam  
The Chief Administrator  
The Regional Treasurer  
The Project Manager  
The Principal, SOMAFCO  
The Department for Manpower Development