



**Statens vegvesen**

Norwegian Public Roads Administration

# Co-operation - Tanroads and NPRA Equipment Management Report from a visit in NOV. 2005

**REPORT**

Technology Department

No: 2430





**Statens vegvesen**

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Directorate of Public Roads  
Technology Department

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## TECHNOLOGY REPORT 2430

Title

### Co-operation - Tanroads and NPRA Equipment Management Report from a visit in NOV. 2005

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Geir Breyholtz; NPRA, Economist, Region East

Date:

Desember 2005

Executive officer

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#### Summary

Report from a visit to TANROADS headquarters in Dar Es Salaam from 26th November to 5th December 2005 by Mr. Jon Berg and Mr. Geir Breyholtz from Norwegian Public Roads Administration (NPRA). The purpose of the visit was to update the five year plan for the continuation of the Equipment Management Component under the Institutional Cooperation between TANROADS and NPRA. The plan with activities, output, indicators and budgets was updated to the current situation and in line with the guidelines given by TANROADS headquarter. The plan is attached to the report.

The computerised Equipment Management System (EMS) was implemented in the TANROADS Equipment Pools (TEP) in Mbeya and Tanga FY 99/00. It has been in operation since. There is a need to upgrade the installations, to implement new modules for payroll, stock control and service management in a network in Mbeya and Tanga. There is a need to implement same system in Morogoro and Lindi/Mtwara.

The report also contains a list of initial preparations that should be done in the first face of the programme.

There is a plan to transfer of the TEPs to TEMESA The NPRA advise against a transfer at this time. The TEMESA should be established and operate sustainable as a self financed equipment pool for some years before a transfer should be evaluated. Today the Road Maintenance activities depend very much on the TEPs and therefore the ownership should be with TANROADS. A transfer to an owner who is under establishment and the success is unknown would be an experiment that involve too high risk and is not advisable.

Key words

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#### Annexes

- Input to Implementation Programme Document for Institutional Cooperation Between TANROADS and NPRA from the Equipment Management Team.
- Table: Budget 2006 -2012 Equipment Management, with Main activities, output, indicators and annual budget figures.
- Minutes from wrap up meeting: Short Brief on updating equipment management component.

## 1 Background and Introduction

Report from a visit to TANROADS headquarters in Dar Es Salaam from 26th November to 5th December 2005 by Mr. Jon Berg and Mr. Geir Breyholtz from Norwegian Public Roads Administration (NPRA). The computerised Equipment Management System (EMS) was implemented in the TANROADS Equipment Pools (TEP) in Mbeya and Tanga FY 99/00. It has been in continuous operation since. The last 4 years there has only been one follow-up visit from the NPRA team.

There is a need to upgrade the installations, to replace old computers, to implement new modules for payroll, stock control and service management, a network solution with computers in Store, Mechanical Workshop, Plant Hire, Accounts and Management unit in Mbeya and Tanga Equipment Pools (TEP). There is also a need to implement the computerized EMS with Scala software in Morogoro and Lindi/Mtwara. After this all the computers will work in a network against a central server.

## 2 Scope of work during the visit

The purpose of the visit was to update plans and budget for the continuation of the Equipment Management Component under the Institutional Cooperation between TANROADS and NPRA. It should be a five year plan containing output and indicators and more detailed for the first two years.

## 3 Participants

Mr	George Kaswiza	Equipment Pool Manager	Mbeya
Mr	Nkolbiawa James Shadrack	Equipment Pool Manager	Tanga
Mr	Abdullah Chamikumbi	Equipment Pool Manager	Lindi & Mtwara
Mr	Ngome Ngome	Equipment Pool Manager	Morogoro
Mr	Jon Berg	NPRA	Oslo
Mr	Geir Breyholtz	NPRA	Oslo

## 4 People met and meetings.

On November 29<sup>th</sup> the team had a meeting with Britt Hilde Kjølås in Norad, Dar Es Salaam. On December 1<sup>st</sup> the team had meeting with Mr. Bunango the Scala software Dealer in Tanzania.

On December 2<sup>nd</sup> there were a wrap up meeting in TANROADS headquarter. The minutes from the meeting are attached. The team presented the plans and budget. There was a need to reduce the budget, and the following was decided.

- Take out Computers, they are under procurement under the current budget
- Take out money for network TANROADS WAN will be used.
- Give priority to the 4 TEPs and take Equipment Hire Units in face two.

The revised plan and budget was handed over the same day.

The Norwegian team are grateful for the kind hospitality and positive support they received during the stay.

On December 5<sup>th</sup> the Norwegian part of the team met Mr. Malekela and had a talk about the programme and LAN and WAN for all TANROADS computers. Establishment of these

networks is ongoing and will be installed by the Regional Managers in the first half of 2006. All computers by the Regional Manager should be connected in these networks including those in the Regional Managers TEP. TEP Mbeya has a distance between their building and those of the Regional Manager and there is a need for some kind of connection between the two, the cost is within the budget.



## 5 Preparations for implementation

Personnel that will be operating the computers should have knowledge of use of computers, English language and double entry accounting. They should be given the opportunity to practice with computers before the implementation of the new modules. The computers should be in rooms that are secure and dust free.

If all goes well there will be procurement of hardware by the end of 2005 and software and in beginning of 2006. Mbeya and Tanga could be operation under the new set-up within this financial year. In September 2006 there will be a training seminar where all relevant personnel from Morogoro and Lindi will receive training. Then there will be several follow up by experienced personnel from Tanga and Mbeya and from the Norwegian team.

Below is the main element of preparation that needs to be done by the TEPs. This work should start as soon as the programme has been approved and procurement has started

Task	Responsible/Time
Internal transactions should be invoiced automatically with new modules. Make new progress report in Crystal	Geir
Identify personnel as operators of the computers.	Managers 03-06
Start the training process.	Managers 03-06
Make sure that the computers in TEPs are included in LAN by Regional Managers	Managers 03-06
Identify documents and lists to bring to the September seminar	Breyholtz 04-06
Procure hardware and software for 4 concurrent users and the latest edition of Scala. Procure new modules and preparation for 4 companies, Mbeya, Tanga, Morogoro and Lindi/Mtwara.	Ngome 03-06
Collect work ticket/log books and other documents for last month to be used for the training in new modules.	Managers during installation
Install server and software in Morogoro. Install computers and give training in the use of new modules of Scala on test company at Mbeya then Tanga.	Bunango, Geir, Maronga 06

Install computers and give training in the use of Scala on test company at Morogoro and Lindi.	
Enter all stock item into the stock control module	Managers Morogoro, Lindi
Prepare budgets for FY 2006/2007 for each project number before the seminar in September 2006. TEP Mbeya has made a spread sheet for budgeting. This should be copied to the other TEPs to simplify the budgeting process. The budgeting process is described in the 10 <sup>th</sup> edition of Equipment Management System booklet.	Managers Morogoro, Lindi
Finalize accounts with stock taking for FY 2005/2006 before seminar	Managers Morogoro, Lindi 08-05
Bring 1 computers and all documents, lists and empty files to Seminar in TEP Mbeya or Tanga	Managers 08-05 Morogoro, Lindi
1 weeks seminar with entry of opening balances, full month of July and all transactions until the current date with accountants, secretaries and TEP managers from Morogoro, Lindi/Mtwara and Maronga. 1 week seminar in new module for plant hire with accountants and transport office personnel and TEP managers. 1 week seminar in new module for mechanical workshop with accountants and workshop personnel, 1 week seminar in new module for stock control with accountants and store personnel,	Norwegian team assisted by Maronga and Tanga September 08-06
Follow up	Maronga November 06
Follow up	Norwegian team 02-07
Follow up and closing accounts and opening of a new year	NPRA team September 07

The 5 TEPs will have the following company numbers. Mbeya = 5MB, Tanga = 5TN, Morogoro = 5MG, Lindi = 5 LD.

## 6 Transfer of TEPs to TEMESA

After the wrap up meeting we were informed that preparations are going on for transfer of the TEPs to TEMESA. TEMESA will be a new agency like TANROADS under the MoW based on the staffs and equipment that today is known as Electrical & Mechanical Department in MoW. TEMESA is under establishment and has not yet established their business plan. TEMESA is expected to hire out equipment to any one who can pay not only for road maintenance.

### Background on establishment of the TEPs

Norad have supported Mbeya and Tanga Regions since 1972, through Roads Betterment Unit and later Rural Road Maintenance programmes. Under these programmes various plant and equipment were procured to facilitate the road maintenance activities. It was these plant and equipment that were used to establish the Regional Engineers Roads Workshop in 1991 in Mbeya and Tanga. Up to 1994 the Roads Workshops enjoyed assistance from NORAD. The

assistance included spare parts, plant, equipment and vehicles. Mechanics, operators and other personnel was educated.

The Mbeya TEP have 75 equipment in operation and 90 persons are employed. Apart from these two workshops who have been assisted by NORAD there are other workshops now known as TEP. These are in Morogoro who had assistance from Swiss and Lindi & Mtwara who had assistance from FINIDA.

These TEPs have been operating fully covering all the costs from their own income without getting any external funding. They have managed to renew a certain amount of equipment for more than 2 billion Tshs during their operations. This is very positive but not enough to keep the equipment fleet as young as it should be. Since 1994 they have been equipped with Equipment Management System which helped in their daily operation. The system was computerised in 1999. Today the main customers of the TEPs are private contractors working in the road sector. Hence most of local contractors do not own equipment and plants. They depend to hire from these TEPs. It is estimated that 70 % of the equipment used for road maintenance in the country comes from the TEPs.

From 1994 TEPs have been operating as self financed sections operating on non profit basis. The money accrued from hire charges should cover operation costs and investment in renewal of equipment.

In order to ensure sustainability of the business, the TEPs have proper mode of operations with contractual and other regulations that safeguard their well being. These rules have to be obeyed to too guarantee the income. Approximately half of the income goes into the bank current account for the daily operations and one half goes into the savings account for future investment. The bank account is reserved for the TEPs. It is necessary that there is a steady flow of business from road works and that the customer pays promptly. They need to have full control of personnel and economy.

### **Experience with other equipment Pools**

The experience with other Equipment Workshops in Tanzania is very poor. There is an Electrical & Mechanical (E&M) Department in the MoW, but they have not succeeded to hire out equipment to any extent. There has been Equipment Pool under IRP and there was established a country wide Plant and Equipment Hire Company Limited (PECHOL). It should have operated commercially but was terminated after a few years. One among other reasons lies with a system where the money from the business goes to headquarter and the hire units have to apply for money to their operations.



**NPRAs advice**

Since agencies are completely dependent on their own. The TEPs were established after seeing that other entities failed to perform the road works. Then afterwards with the assistance of donors it was decided to establish these TEPs within the roads directorate to safeguard the roads maintenance activities which were a major priority to these workshops. The Roads Workshops/TEPs has been a very valid asset for execution of Road Maintenance. It is assumed that the success of the TEPs has been possible because they have been safeguarded first by the roads directorate and later by TANROADS.

It is strongly advised not to transfer the TEPs to TEMESA at this time. Let TEMESA be established with: business oriented and devoted management and staffs, business plan and proper management system. Let TEMESA show that they are able to run a sustainable self financed equipment pool for some years. The proof should be that their equity is increasing due to revenues from equipment hire. When that has been achieved a transfer could be evaluated. Today the Road Maintenance activities depend very much on the TEPs and therefore the ownership should be with them. A transfer to an owner who is under establishment and the success is unknown would be an experiment that involve too high risk and is not advisable.

At a later stage when TEMESA is prospering there might be an increasing availability of equipment in the private market and Road Maintenance is not equally dependent on the TEPs as they are today.

With the revenues accrued the TEPs have been able to renew some equipment, but not enough to modernize the fleet to the desired level. The TEPs get legal assistance from TANROADS to collect outstanding debts. When contract are paid the regional manager deducted the hire charges from the contract and it is paid directly to the TEP. This is two examples that show how important it is for the TEPs to be in an environment where they are protected. The staffs of the TEPs (except Managers and accountants) are on one or two year contracts. They are skilled and have been with the TEPs for many years, and the TEPs smooth operation depend fully of their performance.



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**INPUT TO**

**IMPLEMENTATION PROGRAMME DOCUMENT**

**FOR**

**INSTITUTIONAL COOPERATION**

**BETWEEN**

**TANROADS AND NPRA**

**FROM THE EQUIPMENT MANAGEMENT TEAM.**

02 December 2005

Mr. Jon Berg, NPRA  
Mr. Ngome Ngome, TEP manager Morogoro  
Mr. George Kaswiza, TEP manager Mbeya  
Mr. Abdullah Chamikumbi, TEP manager Lindi & Mtwara.  
Mr. James Shadrack, TEP manager Tanga.  
Mr. Geir Breyholtz, NPRA.

## **4.2 Component T2: Equipment Management**

### **4.2.1 Background**

99. Equipment Management was the result of a Consultancy Study prepared under a co-operation between the MOW and NPRA in 1994. It is aimed at facilitating Establishment of equipment pools which are operated as sustainable and self financed sections. They depend on a regular flow of business from road works and prompt payment from the users. With a proper management system they can be competitive in the market and provide good services to the users. The report from the study was presented in March 1995.
100. The study described an appropriate Commercial Operational System for Mbeya and Tanga Road workshops. The Road workshops were self financed sections under the respective Regional Engineers with the function of maintaining and making available plant and equipment for Road Maintenance to the users on hire basis. The road workshops were to work on a non-profit basis. Revenue accrued from the hire charges have to cover operational costs and capital expenditure for renewal of equipment.

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101. Before 1993 a simple government accounting system with the main aim of controlling expenditure was in use. The Roads Workshop Management System (RWMS) was formulated and came into practice in 1997. Today a basic computerised business accounting and management system is in use.
  102. Business Management was introduced to Road workshop key staff to enable them to execute the operations commercially. A simplified RWMS manual system was implemented in Tanga and Mbeya in 1998. Further study and work in the manual system resulted into a computerized RWMS. Scala was chosen as software for the management system. The Software, SCALA for RWMS was procured in 1999 followed by implementation of Computerization for both Tanga and Mbeya Road Workshops.

Scala software is a standard business accounting system. It is improved all the time with new editions and upgrades. Service and upgrading can be done via internet. The software is good and has worked according to expectations. The price is competitive to other systems.

The system is both a management system and a business accounting system that monitors:

- running cost, investment cost,
- revenues for each equipment,
- availability and utilisation of equipment
- necessary capital for renewal of plant and equipment
- capital status with assets, bank accounts, debtors, creditors

During implementation of the programme personnel of the pools received formal and on job training in double entry business accounting, business management and computer applications.

Different important reports were produced using this computerized system. These reports make it possible to compare achievements against budgets. Also, monthly and annual reports are prepared according to international standards, thus it is easy to evaluate the business and compare key figures with other companies of the same nature. In view of the above the management is now able to follow-up all costs, revenues, stock-values, assets, etc and thus ensuring that sufficient amount of money are set aside for renewal of old equipment.

### **Objective**

103. The objective of the component is to equip the TEPs with a proper management tool that ensures an efficient and effective provision of road works equipment/plants in the road sector for the betterment of roads in the country.

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- To have functional commercial oriented Equipment Management System computerized in a network for all Equipment Pools (TEPs) in Tanga, Morogoro, Mbeya and Lindi/Mtwara.
  - To have trained staff in the TEPs capable of managing and operating the system.

### **Future needs.**

#### Tanga and Mbeya

The computerized management system contains only the basic main accounting. It is installed in one single computer. All information is copied by the accounts unit from the basic documents into the computer. The plan is to upgrade the installation to the latest edition, expand and modernize the system with computers in all units in a network installation with new modules suitable for the unit.

#### Morogoro.

They have a computerized system which has been designed specifically for their use through their Swiss (SDC) support. The disadvantage of this system is that it is not a standard programme for business accounting and therefore there is no updating of the software. If they need assistance a person has to come from Switzerland. The manager in Morogoro participated in the first training in the management system which took place in Arusha. They have come to the conclusion that they want to change to Scala software with the same setup as that of Tanga and Mbeya.

#### Lindi & Mtwara.

FINNIDA supported the equipment pool in Lindi. They need a management system, and intend to use the Equipment Management System (EMS) utilizing Scala software with the same setup as that of Tanga and Mbeya.

#### Central server.

The ideal situation should be that all TEPs are connected in a wide area network (WAN) with a central server. This should be integrated with the ongoing Agency's WAN funded by IDA.

#### Others

There are other small equipment hire units under Regional Managers' offices that could use the management system or part of it.

#### Expansion of the EMS

1. Expansion from single user to multi user (computers in a network) with additional modules for each section as mentioned below. The new modules will make

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available information relevant to the section. Mbeya and Tanga should have the new additional modules. With this they will have a modern sophisticated computer system.

2. Other TANROADS Equipment Pools should benefit from the same EMS. They should benefit from the experience that has been gained in Mbeya and Tanga. The other TEPs are Morogoro and Lindi & Mtwara.

### **Additional modules and network.**

The proposed additional modules will rationalize work and reduce mistakes considerably. The input will be given by the responsible unit where costs and revenues are generated and go straight into the system. The additional computers should be installed at the following locations:

- Plant hire unit. They will use a module called “service management”, service contracts. Plan the use of the plant and equipment and make invoices to the users.
- Mechanical Workshop. They will use the same module “service management”, service order. With this they can plan the work, print the job card and invoice the repair work to plant hire. This module is connected to stock control.
- Store. They will use a module called “stock control”. It will mean a big step forward to computerize the store. It is a big job to keep manually record of all spare parts entries, issues and stock taking.
- Accounting unit. They will use the module called “payroll”. It will calculate salaries, overtime and allowances with income tax and other facilities. It will reduce the work for the accountant considerably, and more time can be used to advise the manager on follow-ups to debtors and other important issues.
- Management. There will be one computer in the manager’s office for his monitoring of all units.
- Central server. The four TEPs should be connected in a WAN with a central server.

It is expected that procurement of software should be from the local Scala dealer, and that he should do installation and training in the use of the software. The Scala dealer in Tanzania should provide necessary service.

### **Planned Activities**

- Procurement of software including upgrading to the latest version and hardware for new modules in Tanga and Mbeya. Installation and training.

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- Procurement of software and hardware for initial installation of Scala in Morogoro and Lindi including new modules. Installation and training.

It is assumed that hardware will be procured under the ongoing program. Money for this is already set aside, and the procurement process is in the final stages.

- Training of personnel, general computer training.
- Training in double entry business accounting
- Enter all stock items Stock control, guided by Scala local dealer. Printout of stock list.
- Training Seminar in the use of Scala software and the management system. Entry of basic information and entry of activities for the last two months.
- Business Management training in Norway.
- Follow up and on job training every half year, Tanga, Mbeya, Morogoro and Lindi, by Norwegian team. Closing of accounts at the end of the financial year, including opening balances new financial year and entry of budgets.
- Follow up and on job training every half year, Morogoro and Lindi by experienced local personnel.
- Study of simplified EMS for EHUs, like Kibaha, Arusha, Dar Es Salaam, Kilimanjaro and Lake zone.

### **NPRA Advisory Support**

104. NPRA assistance is highly required in updating and improving the EMS and to make follow-up on implementation of complete computerization for Tanga, and Mbeya TEPs and start the same for Morogoro, Lindi and others. NPRA will advise in the setup of the new modules and new installations. This will be done in close cooperation with the Tanzanian partners. NPRA will give training related to the management system.

For the TEPs in Morogoro and Lindi setup should be copied from Mbeya and Tanga and personnel from these two equipment pools should participate in training of their colleagues.

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#### **4.2.2 Expected Output**

- Computers installed in network in all 4 TEPs with new software by March 06.
- Chosen personnel are computer literate and conversant with commercial accounting by June 06.
- Stock is computerized and updated with all stock items, values and locations by June 06.
- Personnel are able to enter data and produce documents for operations and reports for managements and accounts by end of September 06.
- Problems and mistakes are identified, solved and on job training conducted. EMS is updated and extended use of Scala software in the period from December 06 to February 08.
- Achieved knowledge on how to run a business oriented TEP by May 07.
- Financial year is closed, balances transferred to next financial year and opening balance is established and new budgets are entered by end of August 07.
- A simplified EMS for small EHUs is developed.

#### **4.2.3 Proposed Budget**

105. The proposed budget estimate is about TZS 842 million as detailed in Table 7

- NORAD is requested to contribute about TZS 722 million.
- GoT is expected to allocate about TZS 120 million.

#### **4.2.4 Success criteria.**

Budget is approved accordingly, working environment and policy remains like as today.

## BUDGET 2006 - 2012 EQUIPMENT MANAGEMENT

Period	Main Activities	Output	Indicators	Norad Tshs	Tanroads cost Tsh (GOT)
Year 1	Procurement of software and hardware for all TEPs.	Computers installed in network in all 4 TEPs with new software by March 06.	Computers in Store, Mechanical Workshop, Transport office, accounts and managers office are in operation.		
	Training of personnel, general computer training.	Chosen personnel are computer literate by June 06.	Personnel are operating spreadsheet and wordprocessor.		
	Training in double entry business accounting.	Chosen personnel are conversent with commercial accounting by June 06.	Personnel are familiar with the principles of double entry, balance sheet, profit & loss etc.		
	Enter all stock items.	Stock control in Scala is updated with all stock items and values, locations and bins by June 06.	All items are computerized and printouts can be made.		
	Training Seminar in the EMS.	Personnel are able to enter data and produce documents for operations and reports for managements and accounts by end of September 06.	Personnel are able to use the EMS, produce operation, quarterly, annual and other relevant reports for management of the TEPs.		
	Follow up, Morogoro and Lindi by local personnel.	Problems and mistakes are identified and solved and on job training conducted by December 06.	The amount of mistakes are reduced.measured by less complaints from the users of the system.		
<b>Total Year 1</b>				190 694 429	95 965 000
Year 2	Follow up all TEPs by Norwegian team.	Problem solving, changes in the EMS, increase the use of Scala by February 07.	Corrected reports with improved quality and accuracy. Updated EMS report. Reports for analyzing the activity.		
	Business Management training in Norway.	Achieved knowledge on how to run a business oriented TEP by May 07.	Business oriented management. Improved volume of business.		
	Closing of accounts at the end of the financial year, including opening balances new financial year and entry of budgets.	Financial year is closed, balances transferred to next financial year and opening balance is established and new budgets are entered by end of August 07.	Annual report and next years budget are produced.		
<b>Total Year 2</b>				301 873 000	12 815 000
<b>Total two years</b>				<b>492 567 429</b>	<b>108 780 000</b>
Year 3	Follow up all TEPs by Norwegian team.	Problem solving, changes in the EMS, increase the use of Scala by February 08.	Corrected reports with improved quality and accuracy. Updated EMS report. Reports for analyzing the activity.	84 597 857	4 550 000
Year 4	Follow up Morogoro and Lindi by Norwegian team	Problem solving, changes in the EMS, increase the use of Scala by February 09.	Corrected reports with improved quality and accuracy. Updated EMS report. Reports for analyzing the activity.	84 597 857	4 550 000
Year 5	Study of simplified EMS for EHUs, like Kibaha, Arusha, Dar Es Salaam, Kilimanjaro, Lake zone.	A simplified EMS for small EHUs is developed	Report from the study describing the EMS.	60 501 571	2 730 000
<b>Total five years</b>				<b>722 264 714</b>	<b>120 610 000</b>

## **SHORT BRIEFY ON UPDATING EQUIPMENT MANAGEMENT COMPONENT.**

### **Participants:**

- |    |                      |      |                         |
|----|----------------------|------|-------------------------|
| 1. | Eng. V.K. Ndyamukama | -    | Director of Maintenance |
| 2. | Eng. Thomas Mosso    | -    | Director of Engineering |
| 3. | Eng. William Shilla  | -    | Zonal Manager/Coast     |
| 4. | Eng. Ngome           | -    | TEPM, Morogoro          |
| 5. | Eng. George          | -    | TEPM, Mbeya             |
| 6. | Eng. Chamikumbi      | -    | TEPM, Lindi/Mtwara      |
| 7. | Eng. Shedrack N.J.   | -    | Ag. TEPM, Tanga         |
| 8. | Eng. Berg            | NPRA | Representative          |
| 9. | Mr. Geir             | NPRA | Representative          |

### **Agenda**

1. Opening the Meeting
2. Presentation of updated equipment Management component

### **Introduction**

#### 1:Opening the meeting

Director of Engineering opened the meeting at 10am by welcoming all participants, after that self-introductory were given to each participant. He then asked one member of the team to present the report

#### 2:Presentation of updated Equipment Management component

Mr. Jon Berg NPRA representative represented a report to the TANROADS members at Head quarter around 10.15am by explaining to the panel that the previous budget were 655 million for supporting this programme (Equipment Management component) contributed from both Governments Norway & Tanzania.

Therefore updated budget for 2005/06 are 842 mio like previous the this budget should be contributed by NORWAY & Tanzania

After the presentation Eng. T. Mosso Director of Engineering wants to know if the previous budget do affect the whole programme.

The NPRA representative Jon Berg explained that the previous budget will affect the programme if not updated that why they have a visit in Tanzania for the updating of the proposed budget for 2003/04 financial year, now the price of some items have changed therefore updating the programme is very important.



Also other member from NPRA comment that the grant was for 2003/04 financial years, during that period 1 NOK was 100 and for this 2005/06 financial year1 NOK is approximately to 170 and therefore the figure and activities have to change.

Also Director of Maintenance wants to know each activities and its cost, Mr Jon Berg explained to members that each TEP should have a system which will consist of 5 pcs Hardware and I-scala software and other related items to enable them to link all units like plant hire, account, store, workshop and TEPM'S Office for monitoring and controlling day to day activities and should be connected in area net work (WAN)

Mr. Jon Berg on other hand explained that future plan is to introduce other EHUS with the same Equipment Management System.

TEPM – Morogoro (Eng. Ngome) commented to the panel that if there is a need of reducing cost and which could at least look like previous 03/04 financial year budget, the Hardware budget should be removed because already sent aside and he emphasized that the training should be around September 07 to enable all entries of July – August to be performed.

On other hand NPRA representative Mr. Jon Berg wants to know the progress and installation of WAN to TEPS. Director of Maintenance explain that the plan is there and should be grant by IDA and all TANROADS Regional Office including TEPS should benefit from that.

Director of Engineering wants to know if TEPS will contribute some money (fund) to GoT to enable the programme to continue.

Mr. Chamikumbi TEPM Lindi/Mtwara explained that during the preparation this issue was not considered.

Lastly Director of Engineering welcomed another member of NPRA to comment on programme, she commented that all components are part of agreement, She advised to wait for discussion between NORADS, Ministry of Works, Finance and CE for better solution there after DE to advised all participants that report should be ready for submission by next week.



## **Statens vegvesen**

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