

UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS, TRANSPORT AND COMMUNICATION



TANZANIA NATIONAL ROADS AGENCY (TANROADS)

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***MULTINATIONAL: MALINDI – LUNGALUNGA/HOROHORO -
BAGAMOYO – TANGA ROAD PROJECT***

***ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT FOR
UPGRADING OF MKANGE – TUNGAMAA – PANGANI BRIDGE ROAD
(120.8 KM) IN TANGA AND COAST REGIONS***

VOLUME II: ANNEXES

Prepared by:

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SEPTEMBER, 2019

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ANNEX 1: TERMS OF REFERENCE

REVISED TERMS OF REFERENCE FOR THE ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT STUDY FOR THE PROPOSED UPGRADING OF MKANGE – TUNGAMAA – PANGANI BRIDGE (120.8 KM) TO BITUMEN STANDARD IN TANGA AND COAST REGIONS

1.0 INTRODUCTION

The Government of United Republic of Tanzania (GOT) and the Government of the Republic of Kenya (GOK), with the support of the East Africa Community (EAC), intend to improve the transport infrastructure in order to support economic development programs within the two countries, deepen economic co-operation and foster regional integration within the EAC. EAC had received a grant from the African Development Bank (AfDB) to carry out the Feasibility Studies and Detailed Engineering Design of the Tanga –Pangani –Saadani - Makurunge Road (229km). The African Development Bank (ADB)) has shown interest to collaborate with the Government of Tanzania to finance construction of part of the road project with a total length of 120.8km from Mkange – Tungamaa – Pangani Road to bitumen standard including the Pangani Bridge.

In order to implement the proposed upgrading works in an environmentally sound manner, the East Africa Community (EAC) Secretariat on behalf of the Governments of Tanzania and Kenya commissioned M/s AURECON Consultants in Association with Inter Consult (T) Ltd and Otieno Odongo and Partners Consulting Engineers (OOP) to carry out Feasibility Study, detailed engineering design and Environmental and Social Impact Assessment. On the Environmental and Social Studies area, M/s Otieno Odongo and Partners Consulting Engineers (OOP) a registered firm of expert was assigned to carry out an Environmental and Social Impact Assessment for the proposed project as part of the detailed engineering design works. The fact that the implementation of the ESIA report was due since 2015, the report requires to be updated to incorporate various changes which might have been occurred in the project area.

The detailed scope for undertaking the Environmental and Social Impact Assessment is intended to guide the TANROADS EIA Experts to address relevant environmental and social issues during the assessment process. Among others, the ESIA shall be conducted in accordance with the requirements of the Environment Management Act (2004) and Environmental Impact Assessment and Audit Regulations (Amendments) 2018. The TANROADS EIA Expert shall do everything necessary to meet the objectives of the services and not less than the following tasks that should be undertaken during the Environmental and Social Impact Assessment.

In the process of consultation (Scoping process) with relevant stakeholders like environmental authorities, the Consultant is further required to review and finalize the TOR taking into accounts environmental issues which may emerge during the consultation with these stakeholders.

2.0 SCOPE OF WORK

Task 1: Provide the Background of the Project

The Consultant will provide the project background which outlines the description/profile of the developer, background to the project proposal and its justification, need and purpose of undertaking the study and structure of the report.

Task 2: Description of the Proposed Project

The Consultant shall provide a brief description of the relevant parts of the project. This will outline a brief history and a description of the proposed project showing project components and activities to be implemented in each phase of the project life i.e. pre-construction, construction and post-construction. This part is meant to give a general idea of what the project will entail. To avoid unnecessary details, focus on the project details that are linked to anticipated impacts. The description shall include the following information:

- Project justification;
- Location including maps of appropriate scale and coloured;
- General layout, size, and capacity;
- Area of influence of the road works;
- Pre-construction activities;
- Construction activities;
- Types, quantities and sources materials and equipment to be used;
- Schedule of project activities;
- Staffing and support;
- Facilities and services;
- Source(s) of fund
- Operation and maintenance activities;
- Required offsite investments; and
- Life span.

[Note: specify any other type of information relevant to the description of the project category.]

Task 3: Description of the Environment

In order to forecast the impacts, it will be necessary to determine the initial reference or baseline state. It is therefore required to describe the existing environment that would be directly and/or indirectly affected by the construction of the proposed road project. The 'environment' to be affected must be based on the broad definition of the term that would include biophysical, socio-economic, cultural and historical factors. Only those environmental factors that are necessary to understand the impacts of the planned development should be considered. Assemble, evaluate, and present baseline data on the relevant environmental characteristics of the study area. Include information on any changes anticipated before the project commences. Modify the lists below to show the critical information for this project category or which is relevant to it.

- a) **Physical environment:** This shall cover geology; topography; soils; climate and meteorology; ambient air quality; surface and groundwater hydrology; existing sources of air emissions; existing water pollution discharges; and receiving water quality;
- b) **Biological environment:** flora; fauna; rare or endangered species; ecologically important or sensitive habitats, including parks or reserves, significant natural sites; species of commercial importance; and species with potential to become nuisances, vectors, or dangerous (of project site and potential area of influence of the project); and
- c) **Socio-cultural environment:** population; land use; planned development activities; community structure; employment; distribution of income, goods and services; recreation; public health; Gender issues and HIV/AIDS, cultural / historic properties; tribal peoples; and customs, aspirations, and attitudes to the project.

Task 4: Legislative, Policies, Administration Framework

Describe the policy, legal, institutional framework as well as standards, international conventions and agreements that are of relevance to the environmental management and the proposed undertaking in particular. They should be those, which relate to but not limited to environmental quality, health and safety, protection of sensitive areas and protection of endangered species. The objective of this section is to show compliance of the developer with the existing policies, laws administrative/institutional conditions both at national and international levels.

The following and any other relevant policies and legislation shall be reviewed and cited in relation to the proposed road project:

Relevant policies and legislation to the proposed road project	
Policies, Regulations and Guidelines	Legislation
<ul style="list-style-type: none">• National Environmental Policy (1997);• National Water Policy (2002);• National Forest Policy (1998)• National Gender Policy (2002)• Transport Policy (2002)• Agriculture and Livestock Policy (1997)• National Land Policy (1995)• National Mining policy (1997)• Energy Policy (1992)• National Human Settlement Development Policy (2000)• Tanzania Wildlife Policy (1998);• National Policy on HIV/AIDS (2001)• Construction Industry Policy (2003)• Regulations, Strategies and Guidelines:• Environmental Impact Assessment and Audit Regulations (2005);• Mining (Environmental management and Protection) Regulation (1999)• Environmental Assessment and Management Guidelines in the Road Sector (2004);• Land Regulations (2001);• National Strategy for Growth and Reduction of Poverty (NSGRP - MKUKUTA -2003)• Environmental Code for Road Works (2008);• Tanzania Development Vision 2025 (2000)• Tanzania National Road Regulations (2009)	<ul style="list-style-type: none">• Road Act (2007);• Environmental Management Act (2004);• The Railway Act No 4 (2002)• Energy and Water Utilities Authority (EWURA) Act (2001)• Beekeeping Act No. 15 (2002)• Mining Act No. 1998 (Rev. 2006);• Occupational Health and Safety Act (2003)• HIV and AIDS (prevention and Control) Act No. 28/08 (2008)• Wildlife Conservation Act (1974);• Local Government Laws (Miscellaneous Amendments) Act (1999);• Urban and Village Land Acts (1999);• Land Act No. 2/04 (2004), amendment of the Land Act (1999);• National Land Use Planning Commission Act No 3 (1984);• Forestry Act No. 14 (2002);• Employment and Labour Relations Act (2004)• Explosives Act (1963)• Urban Planning Act (2007)

Furthermore, the consultant shall clearly describe the linkage between the functions of the relevant Institutional or administrative frameworks in Tanzania and the proposed project undertakings;

Task 5: Assist in Interagency Coordination and Public/NGO Participation

Assist in coordinating the ESIA with other government agencies, in obtaining the views of local NGOs and affected groups, and in keeping records of meetings and other activities, communications, and comments and their disposition. Establish the views of the public with regards to the potential impacts of the proposed road works. Identify the different groups of stakeholders, and then use the most appropriate method to establish their views. Particular attention shall be paid to the disadvantaged groups (e.g. children, the elderly and women) that may be affected by the proposed road project.

The TANROADS EIA Experts shall undertake an open and transparent consultation process to ensure that the views of interested and affected parties are and approximately incorporated in the project design.

Minutes of the meetings conducted during this public involvement should be recorded for submission as part of the report. At least one meeting with Environmental Committee of each district/town/municipal council shall be held to obtain their views on the project and its implication to the environment and social aspects.

A thorough programme for consulting the public during the EIA study should be proposed. Consultations should be made at international, national, regional and local levels. Signatures of all stakeholders who were consulted must appear against the names. Among others the consultations should ensure the involvement of the following:

- Ministry of Works, Transport and Communication;
- TANROADS;
- Ministry of Natural Resources and Tourism particularly the Forestry Division;
- Local Governments in the project area;
- National Environment Management Council;
- Vice - President's Office; and
- Local Communities.

Task 6: Analysis of Alternatives to the Proposed Project

Describe alternatives that were examined in the course of developing the proposed project and identify other alternatives, which would achieve the same objectives. The concept of alternatives extends to sitting, design, technology selection, construction techniques and phasing, and operating and maintenance procedures. Compare alternatives in terms of potential environmental and social impacts; capital and operating costs; suitability under local conditions; and institutional, training, and monitoring requirements. When describing the impacts, indicate which are irreversible or unavoidable and which can be mitigated. To the extent possible, quantify the costs and benefits of each alternative, incorporating the estimated costs of any associated mitigating measures. Include the alternative of not constructing the project to demonstrate environmental and social conditions without the project.

Various environmental and social criteria should be developed to select the best road alternatives.

Task 7: Identification, Analysis and Assessment of Potential Impacts

Identify, predict and analyze potential impacts on natural resources, humans and the ecosystems. Impact analysis should be able to state whether the impacts are positive or negative; direct or indirect; short term or long term; reversible or irreversible. The ESIA study should clearly address

cumulative impacts. Evaluate the levels of significance indicating the criteria used. Identification, prediction and analysis of impacts should be made for each phase of the planned activity.

The TANROADS EIA Experts shall identify, analyses and assess environmental and social impacts of the proposed road works. The impacts analysis should be able to state whether the impacts are positive or negative; direct or indirect; short term or long term; reversible or irreversible. The ESIA study should clearly address cumulative impacts. Evaluate the levels of significance indicating the criteria used. Identification, prediction and analysis of impacts should be made for each phase of the planned activity. Wherever possible, describe impacts quantitatively, in terms of environmental components affected (area, number), environmental and social costs and benefits. Assign economic values when feasible. Characterize the extent and quality of available data, explaining significant information deficiencies and any uncertainties associated with the predicted impacts.

The Assessment should focus on the potential for negative environmental and social impacts caused by planned and unplanned (spontaneous) in-migration of people; clearing of forest lands for agriculture; increased pressure on fuel wood, fodder and water resources; social disruptions and conflicts; and threats to woodlands and important wildlife species.

The assessment should also examine the potential for linear resettlement that usually involves projects producing linear patterns of land acquisition. An overview shall be provided of different groups of people and their cultural, ethnic, and socio-economic characteristics, and how they are likely to benefit and / or be negatively affected by the project. Negative impacts may include but not be limited to physical relocation, loss of land or other physical assets, or loss of access to livelihood.

The significance of impacts of the proposed road works shall be assessed, and the basis of this assessment shall be specified. The Consultant should take into consideration existing by-laws, national and international environmental standards, legislation, treaties, and conventions that may affect the significance of identified impacts. The Consultant shall use the most up to date data and methods of analysing and assessing environmental and social impacts. Uncertainties concerning any impact shall be indicated.

The Consultant shall conduct a review of gender issues in the project area, the study shall include the road section influence to the lives of men, women, and children, the elderly and disabled so as to come up with a quantifiable analysis of the benefits which will accrue to them during and after the road construction.

Task 8: Mitigation Measure

The Consultant shall suggest cost-effective measures for minimizing or eliminating adverse impacts of the proposed road works. Measures for enhancing beneficial impacts should also be recommended. The costs of implementing these measures shall wherever possible be estimated and presented. If compensation is recommended as one form of mitigation, the Consultant shall identify all the names and physical addresses of people to be compensated.

The Consultant shall review the ongoing measures on HIV/AIDS awareness creation within the project area and propose for the mitigation measures. The proposal shall include a plan of action which will identify responsible key implementers, time frame and expected output.

Proposed mitigation measures and cost estimate shall be grouped in a separate Bills of Quantities (BOQ) for the project and should also include cost of supervision for the implementation of mitigation measures.

Task 9: Environmental and Social Management Plan (ESMP)

The Environmental and Social Management Plan focuses on three generic areas: implementation of mitigation measures, institutional strengthening and training, and monitoring. The Consultant shall prepare an Environmental and Social Management Plan, which will include proposed work programme, budget estimates, schedules, staffing and training requirements and other necessary support services to implement the mitigation measures. Institutional arrangements required for implementing this management plan shall be indicated. The cost of implementing the monitoring and evaluation including staffing, training and institutional arrangements must be specified. Where monitoring and evaluation will require inter-agency collaboration, this should be indicated.

Identify institutional needs to implement environmental assessment recommendations. Review the authority and capability of institutions at local, regional, and national levels and recommend how to strengthen the capacity to implement the environmental and social management and monitoring plans. The recommendations may cover such diverse topics as new laws and regulations, new agencies or agency functions, inter-sectoral arrangements, management procedures and training, staffing, operation and maintenance training, budgeting, and financial support.

Prepare detailed arrangements to monitor the implementation of mitigating measures and the impacts of the project during construction and operation. Include in the plan an estimate of capital and operating costs and a description of other required inputs.

Task 10: Property Valuation and Resettlement Action Plan

In case of land acquisition, all properties located within the Right of Way and Road corridor shall be identified and valued for compensation. The property valuation should be conducted by a Registered Valuer and in accordance with the National Land Act No 4 and 5 of 1999 and Land Regulations of 2001.

The Property Valuation Report should be prepared and submitted to TANROADS. The report should indicate in specific, names, place, properties and costs for each affected person, also includes; Disturbance allowances, Accommodation allowances and Transport allowances.

The TANROADS EIA Experts shall include a brief description of Property Valuation report as established by the Valuer by indicating types and amount of properties to be affected within the road corridor and reserve area by specific location. The brief should also include a total compensation cost of affected properties.

Task 11: Report Compilation and Submission

The ESIA reports should be concise and limited to significant environmental and social Issues. The main text should focus on findings, conclusions, and recommended actions supported by summaries of the data collected and citations for any references used in interpreting data. Detailed or un-interpreted data are not appropriate in the main text and should be presented in appendices or a separate volume. Unpublished documents used in the ESIA may not be readily available and should also be assembled in appendices.

Notwithstanding the above requirements, the contents and the structure of the Environmental and social Impact Assessment Report should be in accordance with the Environmental Impact Assessment and Audit Regulations of 2005:

The Report shall be presented as per format stipulated in Regulation 18 (2);

- The Executive Summary of the report should reflect the Regulation 18 (3) requirements;
- The Non-Technical Executive Summary should be a brief stand-alone document both in Kiswahili and English languages starting with the main findings, conclusions and recommendations as required by Regulation 19 (2).
- The Environmental and Social Impact assessment (ESIA) report shall closely contain the followings:
- The cover page to indicate the names and address of the Client, EIA Consultant and the Reviewer (NEMC)

EIA Report Chapters:

- Introduction
- Project Background and Description
- Existing condition of the road
- Project activities based on phases of the project life cycle i.e. Mobilization/pre-construction, construction, demobilization, operation and decommissioning phases.
- Policy, Legal and Administrative Framework
- Baseline or existing environmental Conditions
- Stakeholders Consultations and Public Participation
- Project alternatives
- Identification and analysis of Impacts
- Mitigation Measures
- Resources Evaluation or Cost Benefit analysis
- Environmental and Social Management Plan
- Action Plan for Management of impacts
- Environmental and Social Monitoring Plan
- Action plan for Auditing
- Contingency Plan
- Decommissioning/demobilization Plan
- Summary and Conclusions
- References
- Appendices

3.0 REQUIREMENT FOR ESIA STUDY TEAM

The proposed team should consist of the following members:

- Environmental Expert (Team Leader for ESIA) with experience in undertaking Environmental and Social Impact Assessment
- Ecologist with experience in natural resources management
- Sociologist/Socio-economist with expertise in undertaking Social Impact Assessment.
- Valuer who will be responsible for conducting surveys and valuation of the properties to be affected by the implementation of the road project. The Valuer shall prepare the property valuation report including the Compensation Schedules.

Annex 2: Environmental Clearance Certificate from NEMC

GN. No. 349



THE UNITED REPUBLIC OF TANZANIA

ENVIRONMENTAL IMPACT ASSESSMENT

Certificate

[Section 92(1) of the Environmental Management Act No. 20 of 2004]
Application Reference No. 589
Registration No. EC/EIA/2019/0287

This is to Certify that

M/S. TANZANIA NATIONAL ROADS AGENCY (TANROADS)
of P. O. BOX 11364, DAR ES SALAAM
has this day been granted an Environmental Impact Assessment Certificate for the proposed
project/Activity titled UPGRADING OF TANGA-PANGANI-SAADANI-MAKURUNGE (229KM) ROAD TO
BITUMEN STANDARD
to be implemented/carried out at TANGA, PANGANI, SAADANI-MAKURUNGE IN TANGA CITY
PANGANI & BAGAMOYO DISTRICTS, TANGA & PWANI REGIONS
This certificate shall remain in force during the whole lifecycle of this specific project unless
henceforth revoked or suspended.

General conditions and terms attached to this certificate are set out herein behind and
specific conditions are annexed.

Dated this 27th day of May 2019


January Y. Makamba (MP)
Minister of State, Vice President's Office - Union and Environment

CONDITIONS OF CERTIFICATE

1. This Certificate is valid during the whole lifecycle of this specific project unless henceforth revoked or suspended.
2. The Minister shall be notified of any transfer/variation/surrender of this certificate.
3. Observe all relevant national policies and legislation that guide this specific project throughout its life cycle.
4. Ensure safe disposal of all types of wastes (solid or liquid) in specified sites.
5. Ensure environmental sustainability by avoiding any form of pollution by using most viable management techniques.
6. Adhere to the Environmental Management Plan (EMP) and Monitoring plan (MP) and constantly improve and update them by taking into account any new development.
7. Constantly liaise with relevant authorities and consult stakeholders including local communities in case of any new development or changes as regards to implementation of your project plan activities.
8. Adhere to all proposed mitigation measures as specified in the Environmental Management Plan contained in the Environmental Impact Statement.
9. Abide to all national social and environmental safeguard policies and standards and strive to maintain and constantly improve standards.
10. Prepare an Emergency and Contingency plan and put in place risk and safety measures.
11. Conduct periodic Environmental Audits and facilitate monitoring by relevant authorities.
12. Design and implement an internal Environmental and Safety Policy and Awareness Programme.
13. Prepare Annual Environmental Reports and any other reports requested by competent authorities and the Government.
14. Obtain all other relevant permits.

The above conditions shall be read together with the specific conditions spelt out in the Annex attached to this Certificate

MUH TASARI WA KIKAO CHA WALIOPIIWA NA
MPANGO BARABARA YA AFIKA MASHARIKI
PAMOJA NA UONGOZI WA TANROAD PAMOJA
UONGOZI WA KATA YA MKANGE TAR 03/04/19

1. Kufungua Kikao

Muonyesha ali siana baada ya kukanibishwa
kwa ajni ya kufungua kikao na kisho
akafungua kikao kuanza kunda wa saa
7:30 Mchana baada ya kuanzishwa
na wananchi waliopita pamoja na ugeni.

2. TATHMINI YA ATHARI YA MAZI
NGIRA NA JAMII KWA USTARI
KISHWASI WA WANANCHI

Idiungozi wa Mafara alitoa
ufafanuzi juu ya njio wao kuwa niwa
kufanya tathmini ya Mazingira na atha
ni pamoja na ushirikishwaji wa jamii juu
ya njio na barabara hii, kisha kutaa
nafasi kwa wananchi ili kuweza
kuainisha faida za uwepo wa
barabara wakainisha faida hizo

Kama ifuatayo:

- i) Kumepo kwa kuendelea ya uchumi
- ii) Kumepo kwa uhaba wa ufajinshaji
- iii) Kiundo mbili ya kiji kinakika

TANZANIA NATIONAL ROADS AGENCY



UPDATING OF ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT AND RESSETTLEMENT ACTION PLAN FOR THE PROPOSED UPGRADING OF TANGA - PANGANI - SAADANI - MAKURUNGE ROAD PROJECT

DATE.....9/4/2019.....

LOCATION.....MKANGE.....

S/N	NAME	ORGANISATION	POSITION	SIGNATURE	MOB. NUMBER
1	NESTORY A. BOYA	MKANGE	VEG	<i>[Signature]</i>	069303323
2	SHAGANI SAIBI MWEHUYU	MKANGE	Mwami	<i>[Signature]</i>	0782141391
3	BURHEI A. KILENJA	MKANGE	Mkulima	<i>[Signature]</i>	0683216714
4	ALLY OMARI	MKANGE	Mkulima	<i>[Signature]</i>	0683369890
5	MASHI MKANJA	MKANGE	Mkulima	<i>[Signature]</i>	0781878430
6	ABDUL B. KUSGUTO	MKANGE	Mkulima	<i>[Signature]</i>	0786830635
7	SHABBA RASHIDI	"	"	<i>[Signature]</i>	0783073881
8	HARUN RASHIDI	"	"	<i>[Signature]</i>	0686717795
9	RAJABU MOHAMED	"	"	<i>[Signature]</i>	0689222129
10	ASHA SELEMAN	"	"	<i>[Signature]</i>	0785082684
11	ILWA ALY MAHERA	"	"	<i>[Signature]</i>	0786303433
12	MIRAJU JUMA KIWATA	"	"	<i>[Signature]</i>	0685905001
13	ALY RAJIBU KUNGO	"	"	<i>[Signature]</i>	0787619834
14	SALUM S. TOGWA	"	"	<i>[Signature]</i>	"
15	SABDI IZI	"	"	<i>[Signature]</i>	0692495962
16	HASSANI M. HASSANI	"	"	<i>[Signature]</i>	0085303351
17	YAMBA MAMBO	"	"	<i>[Signature]</i>	0685305551
18	MWAZU JUMA KIGWA	"	"	<i>[Signature]</i>	0688778192
19	ASHA KARAMAJI	"	"	<i>[Signature]</i>	"
20	TABU MTORO	"	"	<i>[Signature]</i>	0688925107
21	FEDIA RASHIDI	"	"	<i>[Signature]</i>	0789761406
22	MWAZU ABU YANAYA	MKANGE	"	<i>[Signature]</i>	"
23	TIMBA HOSSAN	"	"	<i>[Signature]</i>	"
24	MWANAISHAJUMANE	MKANGE	"	<i>[Signature]</i>	0685735856
25	NEVUMBA SAIBI	"	"	<i>[Signature]</i>	"
	Musajuma Ally	"	"	"	"
	Mwambwa Saidi	"	"	"	"
	Selemani Omari	"	"	"	0685983490

~~ABDI SELEMAN~~ LO KUKILI

0785076952

ASHA MOHAMED MONGIN

NEVUMBA SAIBI TEMER

0688734024

/ MUHTASARI WA KIKAO CHA TANROAD NA WANA
UCHI WA KIJINI CHA MANDA MARINARA KU-
HUSU BARARA YA AFRIKA MASHARIKI. KILICHOTAKA
FANYIKA SIKU YA ALHAMISI TAREHE 4-4-2019.

AGENDA ZA KIKAO

1. KUFUNGUUA KIKAO
- 2) UTAMBULISHO
- 3) TAARIFA KUTOKA KWA WAGENI WA
BARABARA, Faida, CHANGAMOTO Athari WA
- 4) KUFUNGA KIKAO.

1) KUFUNGUUA KIKAO.

Mwenyekiti aliwaza Kufungua kikao mnamo maji
ra ya saa 13:30 Mchana kwakunashukuru wana
uchi kwa Mahudhuro yao Xlasuni.

2) UTAMBULISHO.

Afisa Mtendaji wa kata aliwaza kutoka utambu
lisho kwa wageni waliojika ili wananchi wanaweza
kimatambua.

3) TAARIFA KUTOKA KWA WAGENI WALI OJIKIA KUHUSU UJENZI WA BARABARA.

Afisa Mtendaji wa kijiji aliwaza kuwakaribisha
ili wanaweza kuongea na Wananchi. Aliwaza kusima
kwa na kiongozi wa usajira aliwaza kuongea na
Wananchi. Kwakuwapa nafasi wananchi ku-
weza kuuliza maswali. Je barabara hii itak
po pita (je italeti faida aani kinafika).

Mwananchi mwingine alichangia kuwa athari ya barabara. Italeta nyambazi na Matrekeo mbali mbali Mabaya. Mwananchi mwingine alisema kuwa Mola na desturi zita badilika kutokana na Mheingiliano wa watu...

Mwananchi mwingine aliweza kusema kuwa Athari moja wapo ya barabara tunahofia kupotea Ardhii yetu. Kwani baadhi watauzi.

MAFWALI NA MAONI KWA WANA WEHI.

Mwananchi wa kwanza aliruliza kuwa je hddo ya Makabuni itakuwaje? Mwananchi wa pili alitwa Maoni kuwa barabara itakapo pita hapo kwetu wawere kutupa ajira kutoka na uweto wetu wa elimu.

Mwananchi wa tatu alitwa maoni kuwa kama bara bara itapita katika Makabuni basi itakwepi Mwananchi wa nne alitwa maoni ya kuomba Kujengwa Stendi.

Mwananchi wa nne alitwa maoni kuwa wajenge makambi kipi ndi cha uyenzi. Ititewe kupata Majengo kwa Shughuli mbali mbali.

Mwananchi wa tano aliruliza kuwa kama barabara itapita basi tulipwe pesa zetu.

KUFUNGA KIKAO

Mwenyekiti alisimama na kuwaza Kujenga Kikao mnamo majira ya saa 15:30 za mchana kwa kuwashukuru wananchi kwa usikivu wao mweni.

Wanda Mazingira. Ndipo Mwananchi alivaa
Shataji. Alirema kuwa barabara imepita
katika makubuni. Pia Mwananchi wapili
Alirema kuwa faida moja wapo ya barabara
hii itakuwa mtangazo na pia kiji kitarahi
Shwa huduma za usafi. Faida mwingine
pia itakuwa ni kupata ajira ndogo ndogo.
Itatuma wigo wa barabara faida mwingine
ndo kubwa ya maji na umeme itafika katika
kiji chetu. Itakuwa na maduka pata jengwa
maduka, Mahoteli, kutajengwa kina.

Faida mwingine itaritia wawekezaji. Itarahisisha
kina kama kupata huduma za Afya kwa wakati
kwa kigao kina kama hawatajifungulia njiani.
Pia barabara itasaidia kukuza utalii katika hifadhi
yetu ya Saadani. Faida mwingine ya barabara hii
Itasaidia kupata watumishi zaidi kutokana na bara
bara.

Mwananchi mwingine alichangia barabara itasaidia
a mazao kuzwa kwa wakati. Wanafurzi watapata
usafi wa baraka katika hatua ya kukoka shuleni. Pia
Itapunguza Vumbi.

AITHARI ZA BARABARA.

Wageni wanao kuja katika ujenzi wa barabara ni
Magongwa kama ukimwi. Mwananchi aliweza
kuchangia.

Mwananchi mwingine aliweza kuema kuwa
Athari moja wapo ni ongezeko la Afasi.

TANZANIA NATIONAL ROADS AGENCY



UPDATING OF ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT AND RESSETTLEMENT ACTION PLAN FOR THE PROPOSED UPGRADING OF TANGA - PANGANI - SAADANI - MAKURUNGE ROAD PROJECT

DATE... 4/4/2019

LOCATION... MANDA

S/N	NAME	ORGANISATION	POSITION	SIGNATURE	MOB. NUMBER
	Hashimu Mgongo	MANDA	Mkulima	[Signature]	0687149897
	MUSA OMARI	MANDA	Mkulima	[Signature]	0686196827
	SHABANI YAHYA	MANDA	Mkulima	[Signature]	0687018535
	ALICE SALEH	MANDA	Mkulima	[Signature]	075651405
	Mohamed Aithumani	MANDA	Mkulima	[Signature]	0683250826
	Mhanga Omari	MANDA	Mkulima	[Signature]	068337685
	Msaftiri Selur	MANDA	Mkulima	[Signature]	069334358
	Ramadhani Abdullah	MANDA	Mkulima	[Signature]	-
	Yahya Abdullah	MANDA	Mkulima	[Signature]	-
	Hamisi Abdullah	MANDA	Mkulima	[Signature]	-
	SHABANI RAMADHAN	MANDA	Mkulima	[Signature]	0793453208
	Ramadhan Seleman	MANDA	Mkulima	[Signature]	-
	SAGURA ALY M. GULU	MANDA	Mkulima	[Signature]	078687644
	Bakari Nasoro	MANDA	Mkulima	[Signature]	-
	Bakari Omari	MANDA	Mkulima	[Signature]	-
	OMARI HAMADKA	MANDA	Mkulima	[Signature]	0787023839
	MASHAKA HOSENI	MANDA	Mkulima	[Signature]	0785938068
	MAHMO HAJI	MANDA	Mkulima	[Signature]	068355559
	MUHAMEDI HASANI	MANDA	Mkulima	[Signature]	0687044112
	IFRAHIM R. MATHEN	"	Mkulima	[Signature]	069325944
	SHARIFA E. MOHAMED	MANDA	VED	[Signature]	0785-23027
	MWATIBU YAHYA	MANDA	Mkulima	[Signature]	0784024773
	SHABANI KUANGWA	MANDA	Mkulima	[Signature]	078449010
	IDA MUHAMEDI	MANDA	Mkulima	[Signature]	0684898943
	MKOMWA	OMARI	HATIBU	[Signature]	-
	MAMITA SHABANI	MANDA	Mkulima	[Signature]	-
	RABBI AITHUMANI	MANDA	Mkulima	[Signature]	-
	STEENA SALEHE	MANDA	Mkulima	[Signature]	-

AGENDA

1. KUFUNGA MKUTANO
2. KUZUNGUZA NA WANAMATI
3. KUFUNGA MKUTANO

AGENDA NAMBA 1

KUFUNGA MKUTANO

- M/Kit aliyajua mkutano mawao saa 10:22 jina kws. Kwasindikur wote alifanika nafu kws mkutano umefanyika.

AGENDA NAMBA 2

KUZUNGUZA NA WANAMATI

- Baada ya utambulisho wageni na viongozi, Kiowez na msaifana alianza Kiowez na Wanehili ne aligiza Kiwagumfi kuti mudi na barabara ya Taya - Begumwa alie leze kws ABB na JATCA ndio watokwa for fedha kws guli ya ujenzi na barabara kws awamu ne awamu ya kwanza kila mti 100 ne ABB kws atafika tena. Wambale hatiji na pia JATCA natejiye dereje ya Prageni
- Na funotokio kuhusha taarifa di zime za wakati wa sasa, Na kws sasa TAPKWA natejiye mawawo kuhusha taarifa hizi.
- Pia wawafu atafika na mudi mudi mudi, ikwa na mawawo ne utokwa.
- Pia tathuni ya wale watokwa githini na mudi huo. Na yata na kuhigene na thama iliyopo sasa.
- Kws lero tathuni juu tathuni ya uheni na mudi huo. huo tathuni na mudi huo. Kws fura ya mudi iliyopo hili hili. Kws fura ya mudi huo. Chazawo wakati na ujenzi ne baada ya ujenzi.
- Pia funaomle mawawo ambayo yatatazakiir kws utakilezi na mudi huo.

- Hui ndio utaratibu fmarautumis KTH utakolezi
na michele yetu.
- Pis alisisitiza kumach, pindi wakati wa
mawali. Kumbaka wato maulize, na alitaka
kwa amani KTH kuelezi.
- Bada ya ufafanuzi, alipewa nafasi ndogo KIMARIO
naye alitoa ufafanuzi. Kuna mi ni kupata faida
Sahili ili apite kama anayefika kufedhi.
- Walipewa nafasi ya wato kutaja faida za
barabara: -

- (1) Uchapishaji utakuwa rahisi.
- (2) Bodi ya kupata sokoni kwa wakati.
- (3) Itongezwa kipato KTH jani.
- (4) Itongezwa mji na kumaliza na airo mbali mbali.
- (5) Ogeretika la idadi ya wato kwa kufika jina.
- (6) Itasaidia hukumu za dhambi mji na wazazi kutoka
ijini kumaliza KTH hasipili za miji hizi.
- (7) Bodi ya bidhaa itongezwa.
- (8) Hudi na safoni utakuwa ni mji kutika toka.
- (9) Pis itasaidia kumua miji ya safoni.

— Watofaji chagazwa

- (1) - Mchizi pia yafababika kutikwa na muingiliano
na mji.
- (2) Kutikwa kwa agali uifafanuzi.
- (3) Kufababika kwa makazi ambayo hatavyoza.
- (4) Ajali kwa mawazi ambao hawataingatia alama
za barabara.
- (5) Matukio ya uhalaji yamewa kiongozi.
- (6) Kiongozi kwa mchizi za mawazi.

MASWAZI NA UHAKIKU

- (1) Vipi kuhusu malipo yafababika?
- (2) Ni alama ipi itafababika kutika?
- (3) Je hali ambao wamebambwa nyumbani zao au
ziameguka?

- 4 Wale ambaa kamesimbis hawano je ilekwaje?
- (5) Wakendare, kushinikisho vingazi kila jina ili kipele nguzo wapeleleji
- (6) Wakendare, wafanogere kazi katoe nafeti kwa nemaji.
- (7) Kwa wale ambaa waliduleka kbedili jani za itikwaje?
- (8) Wale ambaa, wakuleka kibao hankuwa ilekwaji?
- (9) Wale ambaa wakuleka kuendelea mawo ya?
- (10) Malipo hoya zangeneza kulipwa lina?
- (11) Barabara ilepiti kimsa au sarda?
- (12) Mlezi, si kila hankuwa aliandikisho mawo ya?
- (13) Maeneo zenge hati je yalefene na ya ya na hati?
- (14) Vikiro, vingazime alama za barabara wakuleka wina ili kipele madheo.
- (15) Malipo yoherekisho ili kato nafenda na moko.
- (16) Mawo ya senke, yalipwa fedha au yalefene na senke?

WAKAM WAKUTUBA FORT

- Pis nji ilekwa zaidi na mawo za kijani
- zitaonyesha
- itavutia natunishi kuje kifupi kofi hiki.
- Mawo yalebedika.
- Jami ilekwa shiriki ilepiti upi pis

ATHARI.

- Umerekano ni kipeta neweli, za mawo au
- za wambukizi
- Umerekano wot kuhubi miondombi.

MAJIBU:

- Mmwenye alama nyekundu kisheru akasitika kulipa ambaye hatapasa ni yule ambaye yupo ndani ya mita 22.5
- Isipokums maulikero ya mfidhili wata walipue fidia ya kuendelea.
- Wale ambao wapo ya ya mita 22.5 waendelea kulipiana meeneo yao.
- Wale ambao walijaye baadhi ya utheanin, hawatahapasa.
- Kumsikums ni pasha ya kupasa kums mudi wa miki, mita. (Kuhigama ni nyumba yake)
- Kumsikums ni pasha ya usafi. kutoka ulipo kumala km 20 gani ya tam 12
- Pasha ya usumbufu 8% ya thamani ya mali yake. Kms mmwenye ardhi paka yake kinalipwa ya usumbufu 10.
- Maza ya gnyalipwa ni ya kudumu 10.
- Mmwenye pagala atalipwa ile hali iliyopo wakati wa kuthunji.
- Ki mochi alirodhesha atalipwa.
- Shamba laaye hata lina malipo tofauti na yote na hata.
- Basabasi itakums barabari salama na zenge mwendu kati.
- Gani ikiyaye atalipwa mmwenye gani kama havya.
- Fidia ina pende mshiki wa wazi na wa shi. (Fidia ya tathuni ni shi)
- Majanga zote yafidiwa (lakini kms jeshi za senteli) kameyanga.
- Fidia ya mshikani hali ya fidia baada zake italipwa pasha ya kumbi mshiki.

- Baada ya kuingesha eno la mkelebi na ulizi lipani shughuli zitafanywa na Senkedi si zaidi ya kuu 12
- Kutsundus kamati ya kuhitimu kuhiti kipumajira malipo kasi jili ya kulamika.
- Barabara inaongozi chumviini kupitia dogo, choto kupitia dogo magharibi kuja mkwazi kwenda kumtaka kuhitima Menda kwenda mawazi
- Kila mtu atakaeathirwa na barabara atalipwa lakini yake.
- Kwa wale ambao wanafuatilia mndaka kwenda kumtaka jaratibu za kumshakama.
- Fidiyo itamwe kulipwa kiti mwanzi na fedha na 2019-2020.
- Malipo ya fidiyo hadi jaratibu zikamilike ya ahakiki unamwe kupumika mwa kwa maa ili kila anayatahiti kugidilika anaye kujidhi she.
- Baada ya hayo watoto Shikwa kwa wawazi kuhitima.

AGENDA Namba 3

KUFANYA MIKATANO

M/Kiti aliyuya mikatano mwanza la 2:05 jidani kwa kumshukuma wote alitakuwa mwan mikatano anayojua.


A. S. M. Mwakazi

AFISA MTENDAJI
KIJILI MKWAJA





UPDATING OF ENVIRONMENTAL & SOCIAL IMPACT ASSESSMENT AND RESETTLEMENT ACTION PLAN FOR THE PROPOSED UPGRADING OF TANGA – PANGANI – SAADANI – MAKURUNGE ROAD PROJECT

TAREHE 12/11/2019

Na	JINA	WADHIFA	MAHALI	SAHIHI	NAMBA YA SIMU
1.	QUMARI (SND) KIBANDA	VED	MUKWAZI		0713034704
2.	MWINYIHAI HATIBU JUMBE	M/NG'ERI	MKWAJA		0715418847
3.	AJII MAKOKO AKIDA	K/CCM/MKS	MKS		0655-905509
4.	DOTO OMRI M'KINGALI	Mwansaari	Mikocheni		0787629334
5.	MUSAISI A. MUSAISI	-	BAKURU		0713 175580
6.	FATUMA MBWANA	MWANA	MKS	F.M.	
7.	ARIZA BAKARI	-	MKS		0664877475
8.	MKWA OMARI KISIRO	-	MKS	M. O	
9.	MWASUMA RAJABU	-	MKS	M. R	0673657931
10.	MWASUMU SHABANI	-	MIKOCHENI	M. S. A	
11.	REHENA PAKIA	-	MKS	R. P	
12.	KIBIBI HATIBU	-	MKS	K. H.	
13.	MWASUMU AMEME	-	MIKOCHENI	M. A	0687017964
14.	SWENA IDDI	-	MKS	S. I	
15.	MWANAKOMBO MAULIDI	-	MKS		0677607729
16.	KIJAKAZI A. DUGA	-	MKS	K. Abdallah	
17.	MWASUMA WAZIRI	-	MIKOCHENI	M. WAZIRI	0789 011560
18.	KAFUKU KASHI	-	MKS	M. KASHI	
19.	SALEHE HUSEIN	-	MIKOCHENI		0686413258
20.	MWENGA ALI	-	"		0677685037
21.	MWANGA KIRO	-	"	M. KIRO	0689930351
22.	SHABANI MOHAMEDI	-	"	Mohamed	0688093133
23.	ALIY DOTO	-	"		0684520004
24.	ATHUMANI BAKATOKO	-	"		0784830814

AGENDA ZA KIKAO/MKUTANO

- 1) KUFUNGA KIKAO
- 2) UTAMBULISHO
- 3) BARA BARA ZA AFRIKA MASHARIKI
- iv) KUFUNGA MKUTANO

i) KUFUNGA KIKAO

Mwenyekiti wa kikao ambae ni Afisa Tarefa ya Kuamsisi au fungua kikao mnamo mji ya 7-30 Mchana.

ii) UTAMBULISHO

Baada ya mwenyekiti kufunga kikao ndipo wfungupe wakianza kutambulisha kwa kutambulisha Nyingizi wa kuta, Vipaji Pamoja na kutambulisha Wageni wanaoambiwa kamehachurwa kikao ambae ni kati ya kiji. Ona kuamsisi, MKALAMO NA KWEDI KARY

iii) BARA BARA ZA AFRIKA MASHARIKI

Baada ya kutambulisha huo ndipo Afisa TAREFA akamburisha Nyingizi wa msafiri kati ya Afisi ya

AFISA MENDAJUKUJI
KHAMISI-NANDINI

Akwacheza wanaoambiwa kwa barabara hii naanza tanga mji na kupitia Maeneo ya kuta ya kuamsisi kueleka Mkoa wa Pwani ya Bagamoyo. Katika mji hii wa Barabara kutakua kwa Mgawanyiko wa Vipande ambao ya kuanza itatoka

Tanga mji hadi Mkwaga.

Na akacheza kwa kuta katika kiji na Tala

Kufanya hivyo ni kwa ajili ya ongezeko la kupanda kwa gharama za vijaa kupanda ng'zi bati n.k.

Pia wameeleza kuwa kuna kenge la kupotia Maeneo ya kilomita ambayo inamilikwa na wanasababisha hivyo basi watahusisha Wazee Maana hi kuwaza kufahamisha Maeneo ya kilomita na Mkandarasi atakua bafar kuwa shima shima.

ii) कृपया और

ii) Kupata magari ya kusafir kwa utawala.

14) Kipangito Umbali wa ~~Saka~~

vi) Kipanda (Kwa Kikamba ya Aduh)

viii) kupata uchi na maziwa ix) nimba kuongezeka

1) KUSOMOLEWA MAGUMBA NA MASHAMBA

u) ~~ADALI~~ ZINNONGEZE KA

10) ~~ANNA~~ ya mmo mwalimu, \langle kitopishwa mpya wakati wa
upendaji wa Bara bara hizi \rangle

ii) Makundi ya Wahariri.

vii) Kipungua kwa Makazi.

(viii) NDO & KUMINTI KA.

(X) Uthmaniyah Shah wa Ma Li Po

Y²U²AR²SIF²WA²MA²SW²LA²MA²ZW²LA²

4) Bara bara inazenda tanga mji hiyo hadi Mkwinda
kwa melina watakwenda?

AFISA ATENDAJI KIMUJI
KWANISI-HANDENI

- iv) Je Mau po yatakiwa? Umi?
- v) Je ni jinsi gani kitokana na mto mguu?
- vi) Je utokwaje kwa wata ambao ~~hawezi~~ hawagapi? Picha.
- vii) Kati ka funguzi wa Akant kwa kengene kwenye funguzi na kengene hawakufungu Akant.
- viii) Je njumba ambayo inakababisha je kakebisha? KUTIBA MASHAHI

iv) Taziti ya Titi tayari imepeleka Mizaru ya yenzi na watakapita hizi fedha zitakwani tayari tawika imetokwa.

- ii) Mshauri wa mirathi atasimama.
- iii) Jibu la kulwa Fedha ngizi bado kitoka kuziani.
- iv) Taziti zote za Matambiko au mto wapo tayari kushika kama na wata wa mila.
- v) Wata ambao hawafu Piga Picha watakwia.
- vi) Akant ni mau ya Umi aendeke kutumia na sio kwa au ya Bara bara.
- vii) Njumba ambayo inahitaji Marekebisha yafanyike.

iv) Kutiba MASHAHI

Mwenyekiti aifunga Maitano miano ngiza ya Saa 10:30 Gion

Saini ya KUTIBA

Saini ya MWENYEKI

Mw
#FISA #TENDAJIKILI
#WAMSI-HANDEMI

#FISA #TENDAJIKILI
#WAMSI-HANDEMI

UPDATING OF ENVIRONMENTAL & SOCIAL IMPACT ASSESSMENT AND RESETTLEMENT ACTION PLAN FOR THE PROPOSED UPGRADING OF TANGA – PANGANI – SAADANI – MAKURUNGE ROAD PROJECT

TAREHE 12/4/2015...

Na	JINA	WADHIFA	MAHALI	SAHIHI	NAMBA YA SIMU
1)	MASHAKA SAMNAGELO	MKT	KWAMSISI	[Signature]	078845556
2)	ATHMAN-M. CHASAI	VEO	4	[Signature]	071471240
3	Boraka Nkatwa	APSA TARAFA	KWAMSISI	[Signature]	914627944
4	MHAMMAD H. MALAMULA	APSA/D. KATA	KWAMSISI	[Signature]	0784458375
5	NYENGE O. NYENGE	Mjumba	KWAMSISI	[Signature]	078351238
6	JUMAYANO A. BARUANI	MKULIMA	KWAMSISI	A.L.V.	0784554008
7	MPAJI B. KITUA	u	KWAMSISI		
8	FATUMA H. KIDAHINGO	u	KWAMSISI		
9	ELIZA BETI RORAY	u	KWAMSISI	E.R.	
10	HADIMA MARIQU	u	KWAMSISI	Hadima	0783041285
11	MUSFUMA A. ABARU	u	KWAMSISI		
12	MARIAM ADAM	u	KWAMSISI	[Signature]	0687665762
13	MPAJI BAKARI	u	KWAMSISI		
14	CHAKUSUM KIDAY	u	KWAMSISI		
15	MSENJWA MURUMU	u	KWAMSISI		
16	TUKAT MUSA	u	KWAMSISI		
17	HADIDA BAKARI	u	KWAMSISI		
18	MARIAM KIDAHINGO	u	KWAMSISI		
19	SURAJI ATHUMANI	u	KWAMSISI	[Signature]	
20	FATUMA MAFUAI	u	KWAMSISI		
21	SHABANI ALI	u	KWAMSISI	[Signature]	
22	ABARU ATHUMANI	u	KWAMSISI		
23	MGANGA BAKARI	u	KWAMSISI		
24	DAUDY HUSEINI	u	KWAMSISI		

AFISA MTEMBELEA
KWAMSISI-HANDENI

1
HALMASHAURI YA KIJiji CHA KIPUMBWI WA
KWAKIBUTU TRH 11/04/2019

KIKAO CHA MRADI WA BARABARA TANGA PANGANI
WA BAGAMOTO (MAKURUNGE)

AGENDA ZA KIKAO.

- 1 KUFUNGUWA KIKAO
- 2 FAIDA ZA MRADI
- 3 ATHARI / CHAGAMOTO ZA MRADI
- 4 MASWALI NA MADWI KUHUSU MRADI

1. KUFUNGUWA KIKAO

Mwenyekiti alifungua kikao mnamo saa 07:00 Mchana kwakuweshukuru wajumbe nakukifungua kikao.

2. FAIDA ZA MRADI

Faida ya barabara kiwango cha rami nikurahisisha Usafiri, Kuongezeka kwa Uduma ya Usafiri, Kupungua kwa nauli, Ajira na fursa za Kibiashara, Daraja kwa mto pangani Itatusaidia kwa Lenzi la Usafiri wa masaa 24, Ushuru/Nauli mara Mbili katika Kivuko cha mto pangani. Kifo cha Mama mjamzito na watoto vitapungua kwa Ujenzi wa Daraja Bidhaa kupanda thamani kwa kuenda mbele katika Soko la mauzo. Wageni wataongezeka katika hifadhi yetu.

3. ATHARI / CHAGAMOTO ZA MRADI

Athari nipamoja kupatwa na maradhi mapya. Ongozeke la Uharifu Vito kwa munda kwa munda 2/1/2019

Usumbufu kwawatakaa fidhiwa, Msongo wa mawazo kwa wale wanaopita kupata malipo. Mazao ya Kudumu kupata shida. kuharibu makazi ya watu.

4. MAONI / MASWALI

Enao la Kwakibuyu lifikiliwe kuwa na Stendi, Vituo vya polisi.

Masharifu wa Bweni watafutwe mapema, ili daraja lipite kupate elimu ya matumizi ya Barabara Barabara zetu ndogo ziingie katika mpango wa rami Ajira kwa vijana wa Sehemu Mrika Watu wasicheleweshwe kulipwa

SWALI

Daraja lipo kweli?

Ni lini barabara itaanza kujenwa?

Hadi ya kilomita zite zitadanzia wapi?

Kiwango cha rami daraja la ngapi?

Upana wa barabara?

Uhakika wa barabara upo?

Vyoo navituo vya mabasi vipo?

AFISA MTENDATI KITIJI
KWAKIBUYU-PANGANI

~~Ab~~
Anna V. Mizambwa

AFISA MTENDATI KITIJI
KWAKIBUYU-PANGANI

AFISA MTENDATI KITIJI
KWAKIBUYU-PANGANI
SABIRI ABBI

TAREHE 11/4/2019

[illegible]

KIKAO MAALUM CHA WATANGA WA BARABARA NA WATAALAM WA
BARABARA KUTOKA TANIA TAR. 10/04/019

AGENDA ZA KIKAO

1. KUFUNUA KIKAO - Mwenye kiti wa Kijiji cha Tungomas
alifungua kikao mnamo saa 9:15 mchana.
Baada ya mkiti kufungua kikao, Wiongozi na
Wataalam walijitambukisha.

2. UJENZI WA BARABARA

Lengo ni kuendeleza ukanda wa Pwani
mfadhili Benki ya Maendeleo ya Afrika, JICA
watajenga daraja. Barabara ina km 100.

Swamu 1 Tanga - Mkwaga

Swamu 2 Mkwaga - Bagamoyo

Wamekuja kurekebisha taarifa. Taarifa zilizoponi za
mda mrefu.

(i) KUISHA FAIDA ZIILKAZOPATILIANA

(ii) ATHARI ITHANUAMOTO ENDAPO BARABARA MEICAMILIKA

(iii) MAONI

(iv) MOSWALI

Baada ya mtaalam kutoka maelezo wanaohu
walipewa nafasi ya kuchangia

(i) FAIDA ZIILKAZOPATILIANA

- Kurahisisha mawasiliano
- Mazao yatafika sokoni kwa wakati
- Kupika Hospitali mapema
- Magari yatakuwa mengi, Nauli zitapungua
- Walehima watafundika kurekebisha mazao yao
- Vifua watakata ajira
- Tutasafiri kwa wakati
- Utali utaongezeka, Mapato yataongezeka.
- Barabara zitafika, kwa besi kubwa.

ATHARI ZA BARABARA

- Watu wataongwa, Afah zita kuwa kwani watu
watakuwa bado hawagafuzi.
- Wageni watakuwa wengi, Magongwa yatakuwa po
- Ujambazi utakuwa po, watu watakuwa wengi
- Watakuwa bomolewa makazi yao
- Vituo vyi polisi niongezeka

MASWALI / MAONI

- Elinu itolewe kwa vyaji' vitakavyohusika na Barabara.
- Agira itolewe kwa wakazi' wa Pangani.
- Hela za fidia zipo
- Mazao yaliopo kile eneo yatahupwa.
- Kiwa aliye piga picha hampyo utaratibu uloge.
- Wasiohaki kiwa utaratibu utakuwaje.
- Malipo yatakuwaje endapo umepiga picha ya shamba na nyumba.
- Akunti' zilizofunguliwa hapo awali' zitakuwa hai' hadi' leo
- Endapo aliye piga picha amefaniki' utaratibu uloge.
- Mwezeshaqi' aliongezea kutaga faida faida nyingine - utasafi' ni' usafi' ni' wa raha, ~~utakosa~~ kutapata vumbi.
- Tutapata fursa ya kurza bidhaa zetu
- Wale watakuwapa agira watapata ujuzi' wa kazi' na mapishi.
- Athari' nyingine - kuongezeka mimba za utotoni
- Kuongezeka watoto wa mitaani.
- Vumbi' litaongezeka.
- Tutapoteza mazao na mashamba
- Kulewa maji
- Mbandarasi' alitaka eneo kwa ajili' ya kuchimba kifusi' lazima alete mthamini, uwe na mkataba ulipue eneo lake kabla ya kazi' hujianza na ukishahipwa eneo hinalikuwa 'la Sen'kali'.
- Uleni mwezeshaqi' aligibi maswali
- Mbandarasi' lazima atoe elimu, kabla hajaanza kazi'
- Mbandarasi' anahimiza atoe kipambele kwa ajira kwa wakazi' wenyeti' kwa kazi' ambazo hazina utalam.
- Hela za fidia zipo
- Mazao yaliopo kile shamba yatahupwa ardhi' haitalipwa kwa wale ambao wapo kile hufadhi' ya barabara, watahupwa mazao yao tu.
- kwa wale ...

uhakikishi uliofanyika hivi karibuni ni kwa wale ambao taarifa zao zina matatizo.

Aliyefaniki utaratibu ukope

Jina litabaki lililele, kufanyike kikao cha familia wasipungue watu 10, woteue mwanamuzi wa mrathi, waenda kwa mkeji wakiji athibitisha nmaenda mahakamani kutibitisha, hukutasani huo Gopi ipaki kijijini, original iende mkoani

Suala la AIC, wao tanroads hawakuhusika huo uliolewa ni mpango wa furaha wa kupata fedha ^{uliolewa} mpango wa kibiasara, fedha za fidia zitalipwa kwa hundi tu, Suala la kufuatilia nms kufuatiliwe,

Fidia ya nyumba utalipwa kwa thamani ya nyumba iliyoy, Pompa na posho.

Posho ya Malazi kwa mwezi 36

Posho ya usafiri Mzigo Poni 12 km 20

Posho ya usumbufu

Posho ya upotevu wa faida lakini mpeka uwe unalipa kodi ya mapato

Hata wenye mashamba pia wanapata posho ya usumbufu,

Ukizhapewa pesa yako unapewa notizi ya mwezi 3 uhame,

Fidia italipwa kuanza kabla ya kuanza mradi nyongeza ya maswali

1. Gidapo mrazi umepogwa pizha kwa sasa umeanzuka utafanyika uhakikishi

Makabuni - leinachotanyoka ni kuchihamisha kabuni familia watalipwa posho ya kufuta

machochi watu wa Afya ndio wanachusika kuchiimba haya makabuni pompa na kucheanya

mfupa iliyobaki na kuenda kuchihamisha sehemu nyingine 03/20 km 12/4 haraka zote zinalipwa

na serikali

3. Kufinika kikao:

Mwenyekiti alifunga kikao mnamo saa 11:00 Poni kwa kuwashukuru wanachui

TAREHE 10/04/2019

No	Nama	Warduha	Majalah	Cakupan	NAMA YA SIMPUL
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[illegible]

AGENDA ZA MKUTANO

— Kufungua mkutano

— Kutusisha TAARIFA YA TATHMINI YA ACHARI ZA MAZINGIRA NA JANII JUU YA UHAMASISHAJI WA MABAZI YA WATU.

— Kufunga mkutano

Kufungua mkutano

Mwenyekiti alifungua mkutano kwa kuwa-shukuma viongozi na wananchi waliopo kote. Mkutano huo uliimua na kufunga. Mkutano unafunguliwa taruu 9:00 asubuhi.

Kutusisha TAARIFA YA TATHMINI YA ACHARI ZA MAZINGIRA NA JANII JUU YA UHAMASISHAJI WA MABAZI YA WATU.

Mwenyekiti wa Mkutano, aliwababirika viongozi ili wawaze kuongea na wananchi ili kuwafelera juu ya rooli la athari na uhamasishaji wa mabazi ya watu. Mtaalam alianza kwa kuwa anaomba wananchi wote i...

iii) Urahisi wa kusafinisha marao kipeleka mjini.

iv) Fursa za ajira

v) Kusafini kwa starehe

vi) Usefirishaji wakati wote

vii) Ujini katika ujini huo

viii) Upungufu wa ajali

ix) Kukua kwa maendeleo

x) Makazi mapya yatakuwepo

Pia alionba wananchi watayathani ambao wao kama wananchi zitwakumbwa ujini na barabara ukawa ambao ni:

i) Mimbizi za utotoni.

ii) Uwepo wa ajali

iii) Maambukizi za ukimwi

iv) Ndoa kuwujika

v) Umasikini

vi) Ulevi kutokana na matumizi mabaya

za Fedha. ^{vii) Viumbe} hai kutoweka (Ecology).

Pia Mhusyanishi wa Mkatano alitaka nishah wananchi ili wawere kumbwa Maridi za Mrigi kuhusu Mradi huo.

i) Malipo kwa daraja yatakuwepo?

Mtaalam aligibi kwa kesiema lawa malipo hayatakuwepo kutokana huduma hiyo ni bure na labda gani labo lipitishwe tani ambao haritakiwi.

ii) Vipi k...

iii) Malipo yataanza lini?

Mtaalam alisema kuwa yeye hata-
hamu kuhusu hali ya malipo kama
yataanza kulipwa lini?

iv) Je ujenzi utazama lini?

Mpaka Sen'ali utakapotangaza
taarifa za kuama ujenzi.

v) Watu wakopiga picha kumepi iri
je taarifa za ujenzi?

Taarifa zipo kwa mthamini na
uthamini ulifanyika na nyumba haitagusiwa
mpaka malipo.

vi) Je thamani ya kuwajia kitupu na
gharama zake zipo?

Inatokuwa na sawa motor za
eneo hilo.

vii) Fidea zipo?

Mtaalam alisema kwa kesi kama kwa
fidea ipo kutokana na thamani ya nyumba
andara ni porho ya Makori; porho ya usafi
na ubumbufu na nyumba za biashara
pia ipo fidea nyingi sana kwa maadara
awali.

viii) Kuna watu wawili andao wote wana
fida, moja je malipo yao yatakuwa?

(X) Kwanini tunauliza kuhusu faida na hasara?

Walitunga mwabazizi aji aji
Jathuni lengo ni kuwaka taarifa kwa
ta hasara na wala sio vinginezo.

(*) Je nipi kuhusu barabara za
za nyjini

Barabara za nyjini ni mali za TARA
na wala sio TANROADS kama inayoseme-
kana.

(X) Barabara hii ipoji

Barabara ni muni tona ni pana
na ni muni tona matumizi ya barabara.

Kufika mabano
Mushyaka ali wabano wanao la
umiliki na na kutaka kama kama
ahusika kama Jia 11:00 Akabali

A Muroto *

Mushyaka hii umetokwa
na kama muna na

Mushyaka hii umetokwa
Alfa - D. Muroto

UPDATING OF ENVIRONMENTAL & SOCIAL IMPACT ASSESSMENT AND RESETTLEMENT ACTION PLAN FOR THE PROPOSED UPGRADING OF TANGA – PANGANI – SAADANI – MAKURUNGE ROAD PROJECT

TAREHE 10/14/2019

Na	JINA	WADHIFA	MAHALI	SAHIHI	NAMBA YA SIMU
25	Msekeni		P/mengani	M. 1	0718773039
26	MWAKA JUMAA IBRAHIM		P/MAGHARIBI	Timor	0658224784
27	RAMASHARI P. YONG		P/MAGHARIBI	Timor	0717 765004
28	ASHA SAIDI		MPO NI		07124452
29	MWAVUWA MUWAMWELI				
30	AHAWI IBADI	-	FuGuni	ALAWI	
31	HAMADI JADI		Majasi	Timor	0784608541
32	HEWEDI ANI		P/mangi		0654435421
33	FATIHA RASHIDI		P/MASHAR		0655443368
34	DUNSTAN G. RASHID		P/MAGHARIBI	Timor	0716114487
35	HALIFA AYUBU		MAGHARIBI	HAJUBU	0086228126
36	HAMUSI IBBY		P/MURTHI	HAJUBU	0716926405
37	Rumb		BALADI		0784994133
38	ZUREI MOHAMEDI	INAH	P/MAGHARIBI	Timor	0713166137
39	ITIGARY AGOSTINO		P/MAGHARIBI	Timor	0713829929
40	MWANAASHA AYUBU		P/MAGHARIBI	Timor	0717289829
41	MAJABU JUMAA		P/MAGHARIBI	Timor	-
42	MWANAAMUSI ISSA		P/MAGHARIBI	Timor	0716418548
43	Frank Mucunde		P/MAGHARIBI	Timor	078713001
44	WAZIRI J. MWENGERE		P/MAGHARIBI	Timor	0719228490
45	OSCAR J. MWUGU		P/MAGHARIBI	Timor	0674923529
46	SEBASTIAN S. MACHO WEO		P/MAGHARIBI	Timor	0673536182
47	MAJUBU I. SYAMKINAMUSI WEO		P/MAGHARIBI	Timor	0627190886
48	WESLEY A. MASONKANYA WEO		P/MAGHARIBI	Timor	0712451790



Annex 5: Complementary Community Projects along Mkange – Kwamsisi – Tungamaa – Pangani Road Project

THE EAST AFRICAN COASTAL CORRIDOR DEVELOPMENT PROJECT: BAGAMOYO – SAADANI – TANGA -HOROHORO ROAD (TANZANIA)

Exchange Rate: 1USD = 2345 TZS: 1 UA= 1.4 USD

<u>S/No</u>	<u>Area</u>		<u>Type of Project</u>	<u>Project Cost (Mio)</u>			<u>Justification</u>
	<u>District</u>	<u>Ward/Village</u>		<u>TZS</u>	<u>USD</u>	<u>UA</u>	
1	Pangani	From Pangani Town to Mkange Village (Coast Region)	Vocational Trainings for Unemployed Youths: Training Fees for six (6) months, stationary, Accommodation and Subsistence costs for 50 Form IV Graduates from Nine (9) vulnerable Wards/Villages.	104.7	0.045	0.032	<p>The proposed project is in line with the Region and District Plans to provide education to the unemployed Youth to develop youths' self-employment skills through basic training courses such as Carpentry, Welding and Electrical, Tailoring, Tourism Operations, fish processing and marketing, etc.;</p> <p>The proposed initiative will help to reduce jobless youths amongst the Form 4 graduates from nine (9) Wards/Villages including: Pangani Town, Mwera, Stahabu, Kipumbwi, Mkwaja, Mkalamo, Kwamsisi, Manda-mazingara and Mkange.</p> <p>It is proposed that the available Government's Centre of Vocational Educational and Training Authority</p>

<u>S/No</u>	<u>Area</u>		<u>Type of Project</u>	<u>Project Cost (Mio)</u>			<u>Justification</u>
	<u>District</u>	<u>Ward/Village</u>		<u>TZS</u>	<u>USD</u>	<u>UA</u>	
							<p>(VETA) at Tanga City to offer the trainings to the youths through Memorandum of Understanding (MoU). Five (5) youths (i.e. 3 girls and 2 boys) from each Ward/Village will be enrolled with VETA.</p>
			<p><u>Establishment of Mangroves trees nurseries and seedlings planting/maintaining in 2 acres (9,800 sqm) along Pangani River bank.</u></p>	<p><u>49</u></p>	<p><u>0.021</u></p>	<p><u>0.015</u></p>	<p><u>The proposed construction of Pangani Bypass will pass through the degraded areas by human activities especially coconut processing and transportation activities along the Pangani River bank. Historically, the degraded areas were covered by Mangrove forest.</u></p> <p><u>The proposed project will help to restore the Mangrove forest which is important habitat and breeding sites for various creatures including prawns, etc. Also, it will protect road and bridge embankments from erosion.</u></p>

<u>S/No</u>	<u>Area</u>		<u>Type of Project</u>	<u>Project Cost (Mio)</u>			<u>Justification</u>
	<u>District</u>	<u>Ward/Village</u>		<u>TZS</u>	<u>USD</u>	<u>UA</u>	
							<u>The proposed project will be implemented and managed by Beach Management Unit (BMU) who has been involved in fisheries and beach environment management activities in Pangani District.</u>
			<u>Construction of Bus Terminal and relevant facilities including sheds for passengers, toilets, water and power supply etc.</u>	<u>1,200</u>	<u>0.512</u>	<u>0.36</u>	<u>The proposed project is in line with District Plan to construct a formal and standard Bus Terminal. A total Area of 18,010 Sqm has been allocated at Mkoma area;</u> <u>The proposed Bus Terminal will have multiple effects economically and socially such as to promote fish market and attract other businesses including Tourist Hotels which will trigger increase of revenue. Thus, the Pangani Town would become a potential business center.</u>

		<u>Kipumbwi</u>	<u>Construction of Fence at Kipumbwi Primary School</u>	<u>15</u>	<u>0.006</u>	<u>0.005</u>	<u>The school is located very close to the Kipumbwi port road but it is not fenced out which exposes pupils to the risk of road accidents, noise and emission pollution from operating vehicles. Besides, the movement of vehicles interrupts students' concentration in classrooms located adjacent to the road. Therefore, the construction of fence adjacent to the road is necessary.</u>
			<u>Construction of Modern Fish Market</u>	<u>2,000</u>	<u>0.853</u>	<u>0.609</u>	<ul style="list-style-type: none"> <u>The existing Fish Market is old, small and dilapidated to accommodate fishing facilities. Besides, it is located very close to the sea shores for less than 60 meters;</u> <u>The proposed fish market will complement the proposed establishment of Sardine market by the Ministry of Livestock and Fisheries which will be financed by Globefish Organization of Japan;</u> <u>The modern Fish Market to be constructed shall include various components such as landing site</u>

							<u>for fishing Boat; Receiving and grading zone; Fish processing zone with drying racks and Frying facilities; Cold room(s); Fish Auction zone and toilets.</u>
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	Pangani	Mkwaja	Construction of two (2) Dormitories and furnishing with related facilities including, One (1) Cafeteria, two (2) apartments for Matron and Patron, and provision of Water supply facilities (Deep boreholes) at Mkwaja Secondary School	290	0.124	0.089	<p>Mkwaja Secondary school with a total of 144 students (80 boys and 64 girls) is lacking dormitories to accommodate the students.</p> <p>The Dormitories with related facilities will help to mitigate the existing challenges including: Long walking distance about 10 km from home to School for students coming from four (4) Wards of Mkwaja, Makorola, Mikocheni and Mkalamo which results to poor academic performance due to fatigue and delay to classes; Increasing number of early pregnancies; School drop-out; Risk of being raped (girls) and attacked by wild animals when crossing the Saadani National Park; Drug abuse or addiction.</p>
			Construction of three (3) Classrooms at Kwamsisi Primary School and ten (10) Toilet rooms.	60	0.026	0.019	Kwamsisi Primary School is among the schools with largest number of children in Handeni District. It serves children from Kwamsisi, Komunga, Kasa and Mnola Villages.

						<p><u>The school has a total of 1,226 pupils (597 girls, 929 Boys). Currently, the school has 9 classrooms while the required number is 22 classrooms. Therefore, the school has a deficit of Nine (9) classrooms. The existing classrooms accommodate more than 233 pupils per classroom which is contrary to national education standards of 45 pupils per classroom. Therefore, it is crucial for this project to support construction of at least three (3) classrooms out of nine (9) classrooms required.</u></p> <p><u>The school has 8 toilet rooms (4 for Girls and 4 for Boys) less than the required number 53 toilets rooms (26 for girls and 27 for Boys) therefore the school has deficit of 45 toilet rooms (22 for Girls and 23 for Boys). The existing toilet rooms are used by more than 153 pupils per toilet room, which is contrary to the National education standards of</u></p>
--	--	--	--	--	--	---

							23 pupils per toilet. Therefore, it is crucial for this project to support construction of at least ten (10) toilet rooms (5 for Girls and 5 for Boys) to minimize a shortage of toilet rooms at school.
Total				3718.7	1.585	1.132	

*Annex 6(a): Biodiversity (Flora and Fauna) found in Saadani National Park and
Zaraninge Forest Reserve as obtained from TANAPA/SANAPA*

RESP .

ANS.



TANZANIA NATIONAL PARKS
OFFICE OF THE CONSERVATION COMMISSIONER
P.O.BOX 3134, ARUSHA - TANZANIA

Ref. No: AD.197/296/01

Date: 02.09/2019

Chief Executive,
TANROADS,
P.O. Box 11364,
DAR ES SALAAM.

Dear Sir,

**RE: PROPOSED PANGANI -TUNGAMAA - MKANGE (120.8 KM) ROAD
PROJECT - OUR RESPONSES TO USAID ISSUES**

ANS 2

Reference is made to the above heading and on issues of clarification raised by USAID Mission.

Attached herewith please find TANAPA responses to the raised issues.

Yours Faithfully,
TANZANIA NATIONAL PARKS.

ANS 3

William S. Mwakilema
For: CONSERVATION COMMISSIONER

c) End

(Citati

ANS 4

TELEPHONE: +255-27-GENERAL LINE 297 0404 / 297 0405 CONSERVATION COMMISSIONER'S LINE: 297 0407 TELEFAX: 297 0408 E-MAIL: info@tanzaniaparks.go.tz
"SUSTAINABLE CONSERVATION FOR DEVELOPMENT"

... population expansion (settlements) and agriculture expansion, this migratory corridor is now blocked and there is no free movement of animals between these protected areas. Because of that, recently animals are known to move from the Park to the dispersal areas adjacent to the park areas especially to the village land namely, Gongo, Matipwili, Kisampa, Fukayosi and Kiwangwa.

ANS 5: If there will be increase of illegal activities we will do the following in order to mitigate the problem;

- Increase conservation education to the local communities surrounding the Park
- Increase of the alternative sources of income that will focus to increase the household income and improves the livelihood of the people.
- Increase Anti-poaching Patrols and intelligence led patrols that will aim to detect the crime before they commit poaching.

- Instituting the check points/ Control points along the road especially within the Park. This will help to control the traffic within the Park and ultimately to reduce the illegal activities associated with the road traffic inside the Park. Also the surveillance camera will be used to reduce the aforementioned challenges.

ANS 6:

The impact associated with this road is thought to be very minimal because the proposed tarmac road will follow the existing road alignment. However, in case of any ecological restoration in the roadside, the park will collaborate with TANROADS and Tanzania Forestry Services (TFS) who are the custodians in this field to restore any required afforestation.

ANS 7:

Use of natural resources in protected areas including Saadani National Park is strictly prohibited. No consumptive use of resources is allowed in Zaraninge as it is part of the national park system.

ANS 8:

Legal use

The public use of the 10km road stretch that pass through Zaraninge forest for transportation. People are obliged to pass through this stretch as the only linkage with other neighboring communities especially Matipwili, Tumbilini, Makurunge and Bagamoyo town.

Illegal use

The harvesting (lumbering) though at limited stage following the fact that villagers have their allocated land as daily biofuel resource and also for medicinal plants.

ANS 9:

Human development are strictly prohibited in the wilderness zone and where it is unavoidable like the existence of the 10 Km road stretch, adequate mitigation measures are instituted to ensure least impact to the fauna and flora. The proposed road improvement will certainly incorporate such measures as well.

Some activities may be allowed within the wilderness area including;

- Special campsites
- Picnic sites
- Bird watching
- Educational and scientific research activities
- Walking trails
- Ranger post
- Canopy walk ways

QUESTIONS for TANAPA/SANAPA
—Responses requested by September 3, 2019 —

General

1. Please provide an overview of measures to mitigate adverse environmental impacts of roads passing through other national parks in Tanzania.
2. Please share any monitoring data or reports about the effectiveness of these mitigation measures.

Saadani National Park

3. Please provide a list of endemic, threatened, and endangered plant and animal species in the park (with citations).
4. How do species currently move between the park and habitat elsewhere, such as to nearby village forests or legally protected areas?
5. If illegal use of natural resources increases following initiation of the PanganiMkange Road Project, what project-specific (or any other) mitigation measures do you recommend?
6. Please tell us about the project-associated tree planting that will happen in the park. Moreover, which government authority is responsible for this afforestation?

Zaraninge Forest Reserve within the park

7. Approximately how many people use natural resources within Zaraninge Forest Reserve? (This number might be based on population of Gongo and nearby villages and/or an estimate of people coming in and out of the Reserve.)
8. How do people typically use the reserve, both legally and illegally?
9. According to the park's Management Plan, Zaraninge Forest Reserve is a Wilderness Zone. What use/activities are allowed and what use/activities are restricted?

Annex 6 (b): Biodiversity (Flora and Fauna) found in Saadani National Park and Zaraninge Forest Reserve as obtained from various sources

<u>Common Name</u>	<u>Scientific Name</u>	<u>Endemic to East Africa Coastal Forest</u>	<u>IUCN Red List Status</u>	<u>Likely present in Saadani National Park</u>	<u>Likely present in Malindi-Bagamoyo corridor</u>	<u>Reference</u>
<u>BIRDS</u>						
<u>Sokoke scops owl</u>	<u>Otus ireneae</u>	<u>Yes</u>	<u>EN, 2016</u>	<u>No</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Southern banded snake eagle</u>	<u>Circaetus fasciolatus</u>	<u>Near endemic</u>	<u>NT, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1,2,3</u>
<u>Sokoke pipit</u>	<u>Anthus sokokensis</u>	<u>Yes</u>	<u>EN, 2000</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 3</u>
<u>Little yellow flycatcher</u>	<u>Erythrocercus holochlorus</u>	<u>Yes</u>	<u>LC, no date</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Fischer's turaco</u>	<u>Tauraco fischeri</u>	<u>Yes</u>	<u>NT, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Eastern green tinkerbird</u>	<u>Pogoniulus simplex</u>	<u>Near endemic</u>	<u>LC, 2018</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3, 4</u>
<u>Green-headed oriole</u>	<u>Oriolus chlorocephalus</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Clarke's weaver</u>	<u>Ploceus golandi</u>	<u>Yes</u>	<u>EN, 2016</u>	<u>No</u>	<u>Yes</u>	<u>2, 9</u>
<u>Mombasa woodpecker</u>	<u>Campethera mombassica</u>	<u>Yes</u>	<u>LC, 2018</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 3</u>
<u>Mouse-colored sunbird</u>	<u>Nectarinia veronii</u>	<u>Yes</u>	<u>LC, 2016</u>	<u>No</u>	<u>Yes</u>	<u>1, 2</u>
<u>Plain-backed sunbird</u>	<u>Anthreptes reichenowi</u>	<u>Yes</u>	<u>NT, 2008</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Uluguru violet-backed sunbird</u>	<u>Anthreptes neglectus</u>	<u>Yes</u>	<u>NT, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Chestnut-fronted helmet shrike</u>	<u>Prionops scopifrons</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Kretschmer's longbill</u>	<u>Macrosphenus kretschmeri</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Tiny greenbul</u>	<u>Phyllastrephus debilis</u>	<u>Near endemic</u>	<u>NT, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>
<u>Fischer's greenbul</u>	<u>Phyllastrephus fischeri</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 3</u>

<u>East Coast akalat</u>	<u>Sheppardia gunningi</u>	<u>Near endemic</u>	<u>NT, 2016</u>	<u>No</u>	<u>Yes</u>	<u>1, 2</u>
<u>Spotted ground thrush</u>	<u>Zoothera guttata</u>	<u>Near endemic</u>	<u>EN, 2017</u>	<u>No</u>	<u>Yes</u>	<u>1,2</u>
<u>Amani sunbird</u>	<u>Anthreptes pallidigaster</u>	<u>Near endemic</u>	<u>EN, 2016</u>	<u>No</u>	<u>Yes</u>	<u>1,2</u>
<u>MAMMALS</u>	-	-	-	-	-	-
<u>Ader's duiker</u>	<u>Cephalophus adersi</u>	<u>Yes</u>	<u>VU, 2016</u>	<u>No</u>	<u>Yes</u>	<u>1, 2, 9</u>
<u>Rondo dwarf galago or Rondo bushbaby</u>	<u>Galagoides rondoensis</u>	<u>Yes</u>	<u>CR, 2008</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 5, 6, 7</u>
<u>Tanzania Coast dwarf galago or Zanzibar galago</u>	<u>Galagoides zanzibaricus</u>	<u>Near endemic</u>	<u>LC, 2008</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 8</u>
<u>East African little collared fruit bat</u>	<u>Myonycteris relict</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Decken's horseshoe bat</u>	<u>Rhinolophus deckenii</u>	<u>Near endemic</u>	<u>NT, 2008</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 9</u>
<u>Least long-fingered bat</u>	<u>Miniopterus minor</u>	<u>Yes</u>	<u>LC, 2018</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Hildegard's tomb bat</u>	<u>Taphozous hildegardae</u>	<u>Near endemic</u>	<u>VU, 2008</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Rufous Sengi or Elephant shrew</u>	<u>Rhynchocyon petersi</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Golden-rumped sengi</u>	<u>Rhynchocyon chrysopygus</u>	<u>Yes</u>	<u>EN, 2013</u>	<u>No</u>	<u>Yes</u>	<u>2, 9</u>
<u>Long-tailed pouched rat</u>	<u>Beamys hinde</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>2, 9</u>
<u>Tanzanian woolly bat</u>	<u>Kerivoula africana</u>	<u>Near endemic</u>	<u>EN, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Zanj sun squirrel</u>	<u>Heliosciurus undulatus</u>	<u>Near endemic</u>	<u>DD, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 9</u>
<u>Swynnerton's bush squirrel</u>	<u>Paraxerus vexillarius</u>	<u>Near endemic</u>	<u>NT, 2008</u>	<u>Yes</u>	<u>Yes</u>	<u>2, 9</u>
<u>Abbott's duiker</u>	<u>Cephalophus spadix</u>	<u>Near endemic</u>	<u>EN, 2016</u>	<u>No</u>	<u>Yes</u>	<u>1, 2</u>
<u>Eastern tree hyrax</u>	<u>Dendrohyrax validus</u>	<u>Near endemic</u>	<u>NT, 2014</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 9</u>
<u>Lesser pouched rat</u>	<u>Beamys hindei</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Garnett's galego or small-eared galego</u>	<u>Otolemur garnettii ssp. panganiensis</u>	<u>Near endemic</u>	<u>LC, 2008</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>

<u>Jackson's shrew</u>	<u>Crociodura jacksoni</u>	<u>Near endemic</u>	<u>LC, 2016</u>	<u>No</u>	<u>Yes</u>	<u>1, 2</u>
<u>African elephant</u>	<u>Loxodonta africana</u>	<u>No</u>	<u>VU, 2008</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Masai giraffe</u>	<u>Giraffa camelopardalis ssp. tippelskirch</u>	<u>No</u>	<u>EN, 2018</u>	<u>Yes</u>	<u>Yes</u>	<u>2, 13</u>
<u>AMPHIBIANS</u>						
<u>Loveridge's snouted toad or woodland toad</u>	<u>Mertensophryne micranotis</u>	<u>Yes</u>	<u>LC, 2013</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Forest banana frog or forest spiny reed frog</u>	<u>Afrixalus sylvaticus</u>	<u>Yes</u>	<u>VU, 2015</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>REPTILES</u>						
<u>Usambara flap-nosed chameleon</u>	<u>Kinyongia tenuis</u>	<u>Near endemic</u>	<u>EN, 2015</u>	<u>No</u>	<u>Yes</u>	<u>1, 2</u>
<u>Matschie's dwarf gecko</u>	<u>Lygodactylus conradti</u>	<u>Near endemic</u>	<u>Not assessed</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2</u>
<u>Green turtle</u>	<u>Chelonia mydas</u>	<u>No</u>	<u>EN, 2004</u>	<u>Yes</u>	<u>Yes</u>	<u>1, 2, 4</u>
<u>TREES</u>						
<u>Pod mahogany</u>	<u>Afzelia bipindensis</u>	<u>No</u>	<u>VU, 1998</u>	<u>Yes</u>	<u>Yes</u>	<u>2, 11</u>
<u>African teak, mvule, or iroko</u>	<u>Milicia excelsa</u>	<u>No</u>	<u>NT, 1998</u>	<u>Yes</u>	<u>Yes</u>	<u>2, 11</u>
<u>Silver oak</u>	<u>Brachylaena huillensis</u>	<u>No</u>	<u>NT, 1998</u>	<u>Yes</u>	<u>Yes</u>	<u>2, 11</u>
<u>Mkwe or mkue</u>	<u>Julbernardia magnistipulata</u>	<u>No</u>	<u>VU, 1998</u>	<u>Yes</u>	<u>Yes</u>	<u>2, 11</u>
<u>Mkuruti, baphia or camwood</u>	<u>Baphia kirkii</u>	<u>Near endemic</u>	<u>VU, 1998</u>	<u>Yes</u>	<u>Yes</u>	<u>2, 11</u>
* IUCN stands for the International Union for the Conservation of Nature. It has established the following conservation status indicators: NE=Near endemic, CR=Critically endangered, EN=Endangered, VU=Vulnerable, NT=Near threatened, LC=Least concern and DD=Data Deficient.						

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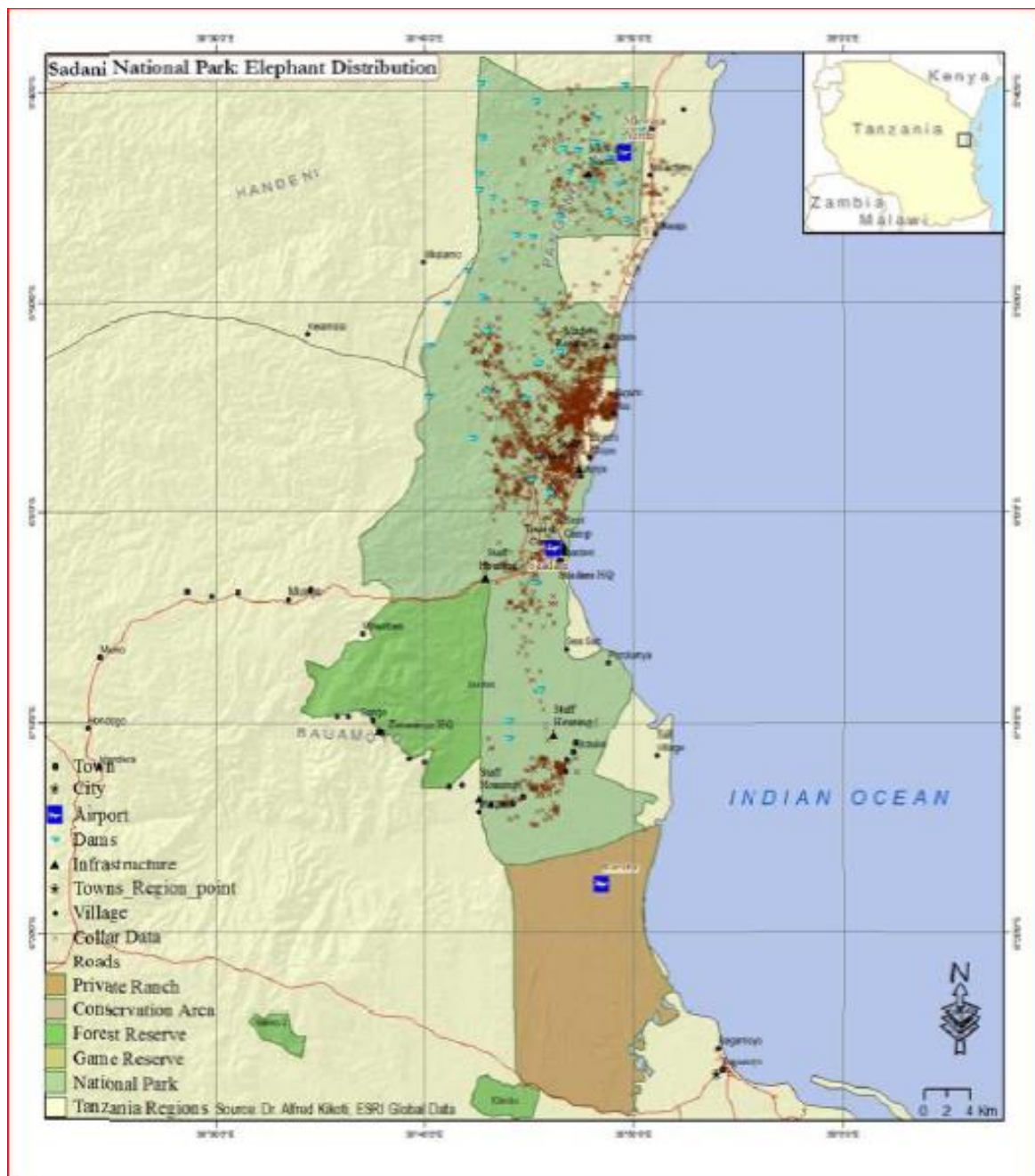
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Annex 7: Elephant Distribution in Saadani National Park



Source: TANAPA

Annex 8: Water test results

Annex 7: Test Results of the Water Sources

Sample no.	Location / Source	pH value	Chloride contents	Sulphate contents	Sugar contents	Remarks
1	Mafuleta river	7.69	606.0 mg/L	7.45 mg/L	Nil	
2	Kirare river	7.23	346.0 mg/L	7.09 mg/L	Nil	
3	Ruvu river	7.03	38.99 mg/L	8.56 mg/L	Nil	
4	Wami river	7.39	15.00 mg/L	7.21 mg/L	Nil	