

## **APPENDICES**

Appendix 1: Terms of Reference

Appendix 2: Fact sheet of Tana River District

Appendix 3: Questionnaire for key stakeholders

Appendix 4: List of stakeholders consultants

Appendix 5: Public Notice

Appendix 6: Minutes of Public Meetings

Appendix 7: Specialist Study Report

**Tana and  
Athi Rivers  
Development  
Authority**



**TERMS OF REFERENCE**

**ENVIRONMENTAL IMPACT ASSESSMENT STUDY OF  
TANA DELTA INTEGRATED SUGAR PROJECT**

**Prepared for approval by:**

**NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY  
(NEMA)  
Kapiti Road  
P.O. Box 67839 00200  
Nairobi**

**On behalf of:**

**Joint Implementation Project Team (JIPT)  
C/o Legal Services Manager  
Mumias Sugar Company Limited  
Hospital Hill Road  
Ngao House, 3<sup>rd</sup> Floor  
P. O. Box 57092 - 00200  
NAIROBI**

Declarations

We, the **NEMA Registered and Licensed EIA Lead Experts** hereby certify on behalf of the Consultant (HVA International) that the information provided herein is to the best of my knowledge true and correct.

**Prof. David N. Mungai**, NEMA Reg. No. ....117... and NEMA 2007 Practicing Certificate No...274.....

Signed .....Date .....

I,..... on behalf of the Developer (**Chairman, Joint Implementation Project Team-JIPT**) hereby certify that the information provided is to the best of my knowledge true and correct.

Signed:.....Date .....

4.3.10.1.1

**4.3.10.1.2 Approval of the Terms of Reference by the Authority**

I, .....**Director, Compliance & Enforcement, NEMA**, hereby certify that the herein-mentioned information will be sufficient for the determination/ approval of the said Environmental Impact Assessment Report.

Signed:.....Date:.....

## **General Project Background**

The Tana River is the largest in Kenya measuring about 700 Km in length and forms a basin of approximately 100,000 sq. Km. The river Basin is endowed with fertile soils and has an estimated irrigation potential area of 400,000 Ha. At the lower end the river forms a delta covering approximately 200,000 Ha of irrigable land. Tana Delta integrated sugar project is within the Delta and will initially cover 20,000 Ha. There is an intended joint venture in a Private-Public Partnership (PPP) between Mumias Sugar Company Ltd (MSC) and Tana and Athi Rivers Development Authority (TARDA) for the Proposed Integrated Sugar Project.

## **Project Location**

The project, which is located at Garsen, in Tana River district, Coast province is about 200 km North of Mombasa. The project will cover an area of 16,000 ha of estate sugarcane farming and 4,000 ha of smallholder sugarcane blocks all under controlled irrigation methods of production (Fig. 1).

### **4.3.11 A Comparative Advantage of the Project**

The project development is in accordance with 2005/2006 Performance Contract on the sustainable utilization of the Tana Delta eco-system, which is a strategic objective of the 2004-2009 Strategic Plan of the TARDA. This is also in line with MSC strategic plan of 2007-2012 and the Kenya Sugar Industry Strategic Plan of 2004-2009 which emphasizes self-sufficiency in sugar production, competitiveness and value addition by 2008.

The Tana Delta Integrated Sugar Project (TDISP) will help bridge the national sugar production deficit currently standing at 200,000 tons/year. At full production the project will provide relatively cheaper sugar into the domestic market and hence prevent the influx of sugar in the country once the COMESA safeguard measures are lifted in year 2008 and in the face of the EU sugar reforms the effects of which will start being felt in 2006.

## **Key Project Components**

**The main features of the proposed project are as follows:**

### **a) Sugarcane Production**

- i) Total Cultivable Area: 20,000 Ha
- ii) Irrigation: Under suitable irrigation system
- iii) Water Supply: From Tana River

### **b) Factory**

- i) Sugar factory with an initial cane crushing capacity of 6,000 tcd expandable to 10,000 tcd.
- ii) Co-generation capacity up to 40 MW power for use in the Project area and balance to the national grid.
- iii) Ethanol production plant
- iv) Livestock feed plant

### **c) Other Project Components**

- i) Fodder production
- ii) Feed lot system for fattening beef cattle

iii) Biogas Production

**d) Social Amenities and Benefits**

The communities participating in the project will be supplied with the following:

- i) Water
- ii) Electricity
- iii) Roads and bridges
- iv) Schools
- v) Health facilities.
- vi) Tree seedlings

**4.4 Objective of Environmental Impact Assessment Study**

The proponent/ developer has contracted HVA International (a Dutch Management and Consultancy firm) in collaboration with MA Consulting (a Kenyan firm) to undertake the feasibility study and Environmental Impact Assessment (EIA) to the above project for the period 25<sup>th</sup> June – 9<sup>th</sup> November, 2007. The proposed EIA Study will mainly aim at identifying both positive and negative environmental and social impacts. The study will provide feasible and cost-effective mitigation measures and to ensure that the proposed project is environmentally friendly, economically viable, socially acceptable and sustainable. The specific EIA objectives shall be:-

- f) To consider all possible positive and adverse impacts to the delta including flood plains, critical habitats, endemic species, wildlife, aquatic ecosystems and the overall fauna and flora.
- g) Determine effects of irrigation on soil/water salinity, logging, leaching, microbes and soil erosion.
- h) To determine socio-economic impacts of the project
- i) To perform an environmental hazard and risk assessment of the project
- j) To design and prepare mitigation measures and action plans to address all the possible environmental impacts as detailed below.

To achieve the above objectives, the following Terms of Reference (TOR) under eleven (11) Key Tasks are outlined below:-

**Task 1: EIA Screening and Scoping**

To screen the integrated project to determine the level of EIA required and to undertake a consultative EIA scoping through deskwork studies, literature review, development and administration of a scoping checklist, identification and preliminary consultations with key stakeholders, reconnaissance trip to the project area to identify the key issues to be addressed.

The project has many potential benefits to the local people and economy, to TARDA and Mumias and nationally in terms of self-sufficiency in sugar production. However a number of key issues emerged during the scoping stage include but are not limited to the following:

1. possibility of increased population migration to the project area leading to unplanned settlements and pressure on existing infrastructure and resources

2. increased accessibility to the remaining forest patches in the project area leading to possible forest degradation because of the expected rapid population increase
3. possible adverse impacts on the physical environment of the delta and marine ecosystems e.g. eutrophication, changes in hydrology, reduced biodiversity, soil degradation and air pollution
4. possible increased human-wildlife conflict due to loss of habitat and biodiversity
5. use of pesticides could affect bee populations, butterfly and other useful insects
6. possible competition for grazing land between the project and the pastoralist communities
7. possible changes in livestock diseases prevalence due to irrigation
8. threat to the fisheries and human health due to pesticide and fertilizer use in the sugar and rice farms
9. possible fuel wood shortage due to increased population in the project area
10. possible deterioration of community and environmental health as a result of the project
11. possible change in land use and tenure systems
12. possible changes in lifestyle and habits due to the project
13. possible increase in household income and labour demand without comparable levels of education and skills

### **Task 2: Description of the Proposed Project**

The Consultant will provide a good description of the relevant components of the project(s), including the following information: purpose and justification, location (with maps at appropriate scales); general layout; size, capacity, process description where relevant, inputs, products, by-products, wastes; pre-construction activities; construction activities; scheduling; staffing and support; facilities and services; operation and maintenance activities; required off-site investments; and life span. The final project objectives should be outlined.

### **Task 3: Description of the Environment/ Baseline Surveys**

The Consultant will assemble, evaluate and present baseline data on the relevant environmental characteristics of the study area. This task refers to all baseline surveys outlined below:-

#### ***Habitat and Vegetation***

- a) Review the current vegetation cover on the proposed area and determine interventions for restoration and improvement.
- b) Assess the trends and condition of vegetations i.e. past and present uses, presence of indicator species and/or undesirable species in relation to land resource availability, soil properties and fluctuation.
- c) Assess the possibility of introduction of exotic species not present in the project area, particularly when they replace endemic species or relicts.
- d) Provide a projection of consumption and cost of fuel wood.
- e) Assess the effect of cane canopy on the micro-climate

#### ***Social Economics and Community Participation***

- a) Appraise the existing socio- economic situation in the project area.
- b) Develop engagement mechanisms for integrating the community and the project.
- c) Assess the present and future roles of gender in agricultural activities for equitable participation in the project development.
- d) Undertake seasonal community labour profiles and gender variations.

- e) Evaluate the social requirements such as Education, Health, and other social amenities including roads and water supply.
- f) Study Land tenure system with special reference to cane production and supply to the factory.
- g) Assess the development of credit facilities in the project area including micro-financing and savings and credit cooperative societies with special reference to gender parity.
- h) Assess literacy levels with reference to agri-business and other social facilities.
- i) Consider and recommend poverty alleviation measures including introduction of new crop types e.g cold tolerant oil palm, soya beans, jetropha spp. etc.
- j) Investigate and identify for implementation the potential for enhancing livestock productivity through:
  - Feedlot development
  - Control pasture development
  - Good livestock development (Health and stock)
  - Livestock marketing strategies
- k) Assess and recommend possibility of maintaining a data base of Best Management Practices for domestic, agricultural and other activities in the basin

#### **Demography and Settlement**

- a) Demographic information sourced through a survey should include; household composition and structure, size and composition of house hold, ethnic group in sampled villages, organization of villages and the head of households.
- b) Collect information on any significant alteration of lifestyle and habits, especially in the case of ethnic group of high cultural value as a result of resettlement of the population in the area.
- c) Collect information in water supply rights, movement of people and animals and the project impact if any on the above.
- d) Collect information on social relation arising from land tenure and land use issues.
- e) Collect information on any activities of the project that might result to permanent or temporary destruction of landscape values of benefit to the population.
- f) Collect information on labour related social problems

#### ***Historical, Archaeological Monuments and Cultural Heritage***

- a) Investigate the deterioration or modification of historic, public or archaeological monuments, typical area and natural sanctuaries as a result of the project implementation and design.
- b) Alteration of old construction or cultural heritage building with historical, architectural, or archaeological value.
- c) And deterioration of public meeting places where cultural expressions of the affected people, community, or group take place.

#### ***Physical Environment***

The consultant will study the present environment with respect to:-

- a) Any alteration of soil conservation regimes.
- b) Physical and chemical characteristics of the soils including fertility.
- c) Nutrient cycles, food chains, and aquifer recharge Promotion of soil erosion as a result of the project activities and increased settlement in the project area.
- d) Potential ecological problems due to increased soil erosion and siltation, leading to decrease in stream capacity of the Tana River.

- e) Deterioration of fragile areas with gradients that favour slope destruction.
- f) Changes in the conservation status of flora and fauna in the project area.
- g) Interruption of the continuity or dynamics of plant types.
- h) Presence of project activities that cause pollutants to accumulate in the soil profile.
- i) Alteration of the natural capacity of hydraulic regulation in river basins (flood levels, deposits) in the vicinity of the delta.
- j) Notable modifications or damage to fragile ecosystems.
- k) Effects of chemical use on air and water (surface and sub surface).

#### ***Wildlife and Fisheries***

- (a) Investigate alterations of habitats relevant to fauna, such as nesting places, breeding grounds, or feeding places.
- (b) Investigate deterioration of the environments regarded as areas for the reproduction of species (including fish and bees) that are important because of their food supply and conservation status, endemism, cultural or tourist interest.
- (c) Investigate any potential loss of habitats of animal or plant species that have a restricted distribution or conservation category.
- (d) Alteration of endemic biota as a result of the project activities either directly or indirectly.

#### ***Livestock and Range Resources***

Investigate ownership, sizes and structure of livestock herds among the resident communities including Ormas, Pokomos, and Wardei in the project area.

- a) Collect data on livestock population type, productivity and distribution.
- b) Investigate livestock movements to and from the delta area as is dictated by changing dry and wet seasons.
- c) Relate the seasonal movement of livestock to herding procedure, carrying capacity to the range resources and the expected effect on TDISP.
- d) Provide statistical trends in livestock sales, giving information on stock trade for meat, dairy, dairy products, hides and skins.
- e) Investigate livestock health and diseases in relation to the environmental conditions and the expected changes due to the project.
- f) Investigate potential for conflict arising from loss of pasture and watering point.

#### ***Agriculture, Pests and Diseases***

- a) Impact of chemicals in relation to: soil, water, livestock and human health.
- b) Collect information on different kinds of chemicals used and their contents/constituents giving their benefits and disadvantages.
- c) Identify the effects and impacts on the use of fertilizers and pesticides.
- d) Compare the crop requirement to the land qualities to establish the capability of the land for sustainable long-term utilization.
- e) Explore and recommend the potential of soil fertility conservation measures for sustainable agricultural productivity through organic farming inclusion as opposed to solely inorganic farming.

#### ***Forest products and Wood Energy***

- a) Assess community fuel wood sources.
- b) Assess community dependency on wood products and non wood forest products.
- c) Assess community dependence on forest products for medicinal purposes.
- d) Establish traditional forest exploitation and management.

#### ***Community Environmental Health***

- a) Assess accessibility, availability and affordability of the health services and sanitation to the community.
- b) Assess the present community health status and establish the change that may occur due to project design and implementation.
- c) Collection and analysis of community health baseline data including but not limited to:-
  - HIV/AIDs,
  - Flooding and water logging,
  - Water –borne diseases,
  - Application of pesticides and chemical fertilizers,
  - Effects of quality of water entering and leaving project area,
  - Effects of irrigation water on the soil condition and sustainability of crop production, and
  - Effects of water quality to irrigated land and the community
- d) Investigate any proliferation of pathogens and sanitary vectors due to project activities including mosquito prevalence.
- e) Investigate effects of modification of water use destined to different human consumption.
- f) Investigate potential emission of liquid and gas effluent that contain non-regulated pollutants or exceed the standard.

**Task 4:        *Analysis of the Legislative and Regulatory Considerations***

Describe the pertinent international, regional and national regulations and standards governing environmental quality, health and safety, protection of sensitive areas, protection of endangered species, siting, land use control, etc., at international, national, regional and local levels. This will set the environmental legal and institutional framework for future by the management of the proposed sugar integrated project.

**Task 5:        *Determination of Potential Impacts of the Proposed Project***

The consultant will analyze and distinguish between significant positive and negative impacts, direct and indirect impacts, and immediate and long-term impacts. Impacts which are unavoidable or irreversible will be identified. Wherever possible, description impacts quantitatively, in terms of environmental costs and benefits will be undertaken and assign economic values when feasible. The extent and quality of available data will be characterized, explaining significant information deficiencies and any uncertainties associated with predictions of impact. When describing the impacts, the consultant will indicate those that are irreversible or unavoidable and which can be mitigated. The consultant will also identify the types of special studies likely to be needed for this project in the future.

In accordance with Regulation 17 of Legal Notice No. 17, the study will incorporate the views of persons who may be affected by the project.

**Task 6: Analysis of Alternatives to the Proposal Project**

The consultant is expected to describe alternatives that will be examined in the course of developing the proposed project and identify other alternatives which would achieve the same objectives. The concept of alternatives will extend to siting, design, technology selection, construction techniques and phasing, and operating and maintenance procedure. Comparison of alternatives in terms of potential environmental impacts; capital and operating costs; suitability under local conditions; and instructional, training, and monitoring requirements will be done. To the extent possible, the costs and benefits of each alternative will be quantified incorporating the estimated costs of any associated

mitigating measures. The consultant will include the alternative of not implementing the project, in order to demonstrate the environmental conditions without it.

#### **Task 7: Development of Environmental Management Plan**

The consultant will recommend feasible and cost-effective measures to prevent or reduce significant negative impacts to acceptable levels. The impact and costs of those measures and of the institutional and training requirements to implement them will be estimated. Compensation to the affected parties for impacts which cannot be mitigated will be considered where need arises. A comprehensive environmental management plan including proposed work programs, budget estimates, schedules, staffing and training requirements, and other necessary support services to implement the mitigating measure will be prepared.

#### **Task 8: Identification of Institutional Needs to Implement Environmental Assessment Recommendations**

The consultant will review at all levels the capability of institutions to be involved in the project implementation and recommend steps to strengthen or expand them so that the management and monitoring plans in the environmental assessment can be successful and sustainable. The recommendations can extend to new laws and regulations, new agencies or agency functions, intersectoral arrangements, management procedures and training, staffing, operations and maintenance training, budgeting and financial support.

#### **Task 9: Development of Environmental Monitoring Plan**

The consultant will prepare a detailed plan to monitor the implementation of mitigating measures and the impacts of the projects of the project during the construction and operation. An estimate of capital of operating costs and a description of other inputs (such as training and instructional strengthening) needed to carry out will be include in the plan.

#### **Task 10: Inter-Agency Coordination and Public/NGO Participation**

The consultant will assist in coordinating the environmental assessment with other government agencies, in obtaining the views of local NGO's and affected groups, and in keeping records of meeting and other activities, communications, and comments and their dispositions. Such activities will include: interagency scoping session, environmental briefings for project staff and interagency committees, support to environmental advisory panels, public forums).

#### **Task 11: EIA Study Report Compilation**

This will be a continuous exercise throughout the process until final submission. The environmental assessment report will be concise and limited to significant environmental issues. The main text will focus on findings, conclusions and recommended actions, supported by summaries of the data collected and citations for any references used in interpreting those data. Detailed or un-interpreted data will not be appropriate in the main text and should be presented in appendices or a separate volume. Unpublished documents used in the assessment may not be readily available and will also be assembled in the appendix. The Environmental Impact Assessment Study Report will be outlined as below

1. Cover Page
2. Report authentication Form
3. Executive Summary
4. Policy, Legal and Administrative Framework
5. Description of the Proposed Project

6. Description of the Environment
7. Significant Environmental Impacts
8. Analysis of Alternatives
9. Environmental Management Plan
10. Environmental Management and Training
11. Environmental Monitoring Plan
12. Inter-Agency and Public/NGO involvement
13. List of References
14. Appendices:
  - i. List of Environmental Assessment Preparers
  - ii. Records of Inter-Agency and Public/NGO Communications
  - iii. Data and Unpublished Reference Documents

**Data Collection Procedures**

The Consultant will undertake environmental screening and scoping to avoid unnecessary data. The data collection will be carried out through questionnaires/standard interview schedules, use of checklists, observations and photography, site visits, desk top environmental studies and scientific tests, where necessary in the manner specified in the Environmental (Impact Assessment and Audit) Regulations, 2003.

### Environmental Impact Assessment Study Team

The EIA multi-disciplinary team proposed for NEMA approval will consist of the following personnel:-

SNo	Name	Responsibilities/ Task (s)
1.	Prof. David N. Mungai (Environmental NEMA EIA Lead Expert)	<ul style="list-style-type: none"> <li>- EIA Team Leader</li> <li>- Coordination of the EIA team</li> <li>- EIA Lead Consultant in EIA screening and scoping, baseline surveys, determination for the potential impacts of the project, analysis of the alternatives to the project, inter-agency coordination and public/NGO participation, development of Environmental Monitoring Plan.</li> </ul>
2.	Dr. Jacob K. Kibwage (Environmental Planner) NEMA EIA Lead Expert	<ul style="list-style-type: none"> <li>- EIA Lead Environmental Consultant in EIA screening and scoping, detailed description of the project; compilation of project legal framework, organisation of community public forums, determination for the potential impacts of the proposed project, development of Environmental Management Plan, identification of institutional needs to implement EMP, compilation of the EIA study report.</li> </ul>
3.	Ngure Mwaniki (Economist)	Economic analysis of the project
4.	John Limmen (Fishery Expert)	<ul style="list-style-type: none"> <li>- Compile, synthesize and evaluate all existing data on fisheries in the project area</li> <li>- Assess direct and indirect impacts of the projects on fisheries in the project area</li> <li>- Identify and propose mitigating measures to reduce/eliminate negative environmental impacts on fisheries</li> <li>- Provide inputs to the Environmental Management Plan regarding fisheries</li> </ul>

5.	Mercy Chiuri (Rural Sociologist)	Compile, synthesize and evaluate all existing data on socio-economics in the project area - Assess direct and indirect impacts of the projects on socio-economic conditions in the project area - Identify and propose mitigating measures to reduce/eliminate negative environmental impacts on socio-economic conditions in the project area - Provide inputs to the Environmental Management Plan regarding socio-economic conditions
6.	Prof. Paul N. Mbugua (Animal Scientist)	Compile, synthesize and evaluate all existing data on livestock in the project area - Assess direct and indirect impacts of the projects on livestock in the project area - Identify and propose mitigating measures to reduce/eliminate negative environmental impacts on livestock in the project area - Provide inputs to the Environmental Management Plan regarding livestock
7.	Dr. Gerald Muchemi (Wildlife)	Compile, synthesize and evaluate all existing data on vegetation & wildlife in the project area - Assess direct and indirect impacts of the projects on vegetation and wildlife in the project area - Identify and propose mitigating measures to reduce/eliminate negative environmental impacts on vegetation and wildlife in the project area - Provide the inputs to the Environmental Management Plan regarding vegetation and wildlife
8.	Mr. Richard Mwendandu	Environmental Planner - TARDA
9.	Mr. David Kalavi	Agricultural Economist - TARDA
<b>HVA Team</b>		
10.	Alfred M. Muthee (Agricultural economist)	Agricultural economics

11.	Mike Copeland (Irrigation Expert)	Irrigation studies
12.	B. Randell (Hydrologist)	Hydrological studies
13.	G. Canahai (Geo-hydrologist)	Geo-hydrological studies
14.	D. Lawrence (Surveyor)	Surveying /GIS studies
15.	Peter Legg (Geo-technologist)	Geo-technical studies
16.	Kiptorus (Civil Engineer)	Civil engineering studies
17.	J Howcroft (Energy expert)	Energy studies
18.	Witpaard (Agronomist)	Project agronomics

**Environmental Impact Assessment Cost**

There will be two types of costs: (1) *EIA Consultant* and (2) *NEMA EIA licence fee*. The Consultant will charge as per the agreed terms with the proponent. The developer/proponent is also expected to pay 0.1% of the total estimated project cost to NEMA as required in the Environmental Management and Coordination Act (EMCA) of 1999 and Environmental Regulations 2003 as EIA licence processing fee during submission of the EIA study report.

**Conclusion**

Care has been taken to describe the Environmental Impact Assessment process as clearly as possible and it is not envisaged that any changes will be necessary. However, should any additional information become available or additional consultation be required, the process will be adapted accordingly. All additional activities and information will be described in the Environmental Impact Assessment Study Report.

**Work Schedule**

Dates  
13Aug-9 Nov

2-6 Jul                      9-13Jul                      16-20 Jul                      23-27 Jul                      30Jul-3 Aug                      6-10Aug

Week	Wk 27	Wk 28	Wk 29	Wk 30	Wk 31	Wk 32	Wk 33-45
Task 1: EIA Screening and Scoping							
Task 2: Description of the Proposed Project							
Task 3: Description of the Environment/ Baseline Surveys							
Task 4: Analysis of the Legislative and regulatory Considerations							
Task 5: Determination of the Potential Impacts of the Proposed Project							
Task 6: Analysis of the Alternatives to the Proposal Project							
Task 7: Development of Environmental Management Plan to Mitigate Negative Impacts							
Task 8: Identification of Institutional Needs to Implement EIA Recommendations							
Task 9: Development of Environmental Monitoring Plan							
Task 10: Inter-Agency Coordination and Public/NGO Participation							
Task 11: EIA Study Report Compilation, Review and Final Submission to Proponent and NEMA							

## APPENDIX 2: Fact Sheet of Tana River District

This fact sheet presents information on key variables in Tana River District. These variables include various socio-economic issues. This information is the basis on which the district development priorities, strategies and targets are based. The information Provides baseline data for the preparation of the plan, and also the bench marks for evaluation of its implementation. The data also provides information that can be used in project and programme planning at district and sub-location levels.

<b>Area (Km<sup>2</sup>)</b>	
Total area	38,782
Arable area	8,870
Non-arable area	29,912
Water mass	35
Gazetted forest	21.82
Urban area	3,850
<b>Topography and Climate</b>	
Attitude(m):	
Lowest	0m
Highest-Bilbil and Minjila	200m
Mean Annual Rainfall by station (mm):	
Hola	351.1
Bura	478.7
Wenje	208.7
Garsen	297.2
Mnazini	471.9
Tarasa	400.7
Salama	553.4
Rainfall by season(mm):	
Short rains October-December	220-290
Long rains March-May	300-500
Average rainfall(mm)	397
Highest temperature (January-March) °C	38.5
Lowest temperature (June-July) °C	20.6
Temperature average °C	30.0
<b>Demographic and Population Profiles</b>	
Population size (2002)	200,326
<b>Population Structure</b>	
Total number of males	100,343
Total number of females	99,983
Female/Male sex ratio	1:1
Total number of youths (15-25):	
Male	21,766
Female	23,732
<b>Total</b>	<b>45,498</b>
Population of primary school going age(6-13 yrs):	
Male	24,839
Female	23,485
<b>Total</b>	<b>48,324</b>

Population of secondary school going age (14-17)		9,946
Male		9,987
	Female	
	<b>Total</b>	<b>19,533</b>
Total labour force(15-64 yrs)	Male	48,190
	Female	50,746
	<b>Total</b>	<b>98,936</b>
Dependency ratio		100:102
Population growth rate		3.4%
<b>Density(Pop/Km<sup>2</sup>)</b>		
Highest density-Wenje Division		25.5
Lowest density-Bangale		2.2
Average density		5.5
<b>Rural population:</b>		
At the start of plan period 2002		182,668
At the end of plan period 2008		224,004
Number of urban centers		2
Urban population:		
Garsen		5,511
Hola		11,575
Crude birth rate		41/1000
Crude death rate		23/1000
Infant mortality rate		66/1000
Under five mortality rate		80/1000
Life expectancy-(years)		53
Total fertility rate(per woman)		3.2
<b>Social –Economic Indicators</b>		
<b>Total no. of house holds</b>		36,177
Average households size		5
Number of female headed households		10,130
No. of disabled:		
Male		1,096
Female		1,518
<b>Total</b>		<b>2,614</b>
Children needing special protection (HIV/AIDS Orphans and others)		37,944
Absolute poverty (rural and urban)		72%
Contribution to national poverty (percentage)		0.835%
<b>Average household in comes:</b>		
<b>Sectoral contribution to house hold income (%):</b>		
Agricultural & Live stock		86%
Rural self –employment		2%
Wage employment		2.63%
Urban self –employment		6%
Co-operative		2%
Other		1.37%
No. of un employment(15-64 yrs)		36,039
<b>Agriculture Sector</b>		
Average farm size (small scale)		2.0 acres

Total number of farms(small scale)	22,130
Average farm size(large scale)	0
Total acreage(large scale farms)	0
Area under main food crops procedures(Hectares):	
Cotton	249
Maize	885
Rice	257
Cow peas	249
Bananas	628
Area under main cash crop procedures (Hectares):	
Mango	1,551
Cotton	63
Coconut	284
Others	402
Total acreage under food crop(acres)	6,092.5
Total acreage under cash crop (acres)	2,300
Main storage facilities (on farm)	National cereals and produce board
Population working in the agriculture sector	154,910
Total number of ranches (acres)	9
Average size of ranches (acres)	75,000
Main live stock breeds (numbers):	
Cattle indigenous	368,400
Goats Indigenous	364,900
Sheep indigenous	279,000
Land carrying capacity (acres/TLU)	15
Dry	37.5-50
Wet	
Population working in the livestock sector	100,000
Main species of fish catch (Tons)	
Mud fish	143
Prawns	8
Lug fish	21
Tilapia	17
Population of fish farmers	1,363
No. of fish ponds	2
No. of gazetted landing beaches	4
No. of fish traders	800
<b>Main Forest Products</b>	
Size of gazetted non-forests (Ha)	330,876
Posts (tones)	84
Timber (tones)	15
%of people engaged in forest related activities	1.1
<b>Cooperatives</b>	
Number of active cooperatives by type:	
SACCO	3
Agriculture and live stock marketing	3
Consumer	4
<b>Total</b>	<b>10</b>

Key cooperatives which have collapsed in the last 5 years (dormant)	23
<b>Total Registered Members by type</b>	
Live stock marketing	33
Consumer	310
Ranching	106
Urban Sacco	1,319
<b>Total turnover by type(kshs)</b>	
Live stock marketing	108,000
Consumer	269,000
Ranching	3,831,500
Urban Sacco	3,691,000
Total	7,869,500
Total share capital	56,780,670
Total number of employees	26
<b>Water and sanitation</b>	
Number of house holds with access to piped water	1,717
Number of households with access to potable water	9,717
Number of permanent rivers	1
Number of wells	103
Number of protected springs	0
Number of boreholes	27
Number of pans	8
Number of households with roof catchments	203
Numbers of "lagas"	4
Average distance to nearest water point (km)	1.22
Number of VIP latrines	5,318
<b>Education Facilities</b>	
<b>Pre-Primary</b>	
Number of pre-primary schools	183
Total enrolment rates	Boys 27% Girls 62%
Total drop out rates by sex (%)	Boys 12% Girls 13% Average 12.5%
Teacher /Pupil ratio	1:48
Average years of school attendance	4
<b>Primary</b>	
Number of primary schools	113
Total enrolment rates by sex ;(%)	50.5%
Boys	37.2%
Girls	43.85%
Average	
Teacher/student ratio	1:20
Average years of school attendance by sex:	8
Boys	
Girls	10
<b>Secondary</b>	
Number of secondary schools	9

Total enrolment by sex:	Male	1,048(11%)		
	Female	952(10.3%)		
Total drop out rates by sex:	Male	31		
	Female	30		
Teacher/ Student ratio		1:17		
Average years of school attendance				
Male		4		
Female		6		
<b>Tertiary</b>				
Number of other training institutions				
Polytechnics		4		
Non-formal education		4		
<b>Adult Literacy</b>				
Number of adult literacy classes		84		
Enrolment by sex:	Male	290		
	Female	1,298		
	<b>Total</b>	<b>1,588</b>		
Dropout rates by sex:		67		
	Male	67		
	Female	50		
Literacy levels by sex:(percentage)				
	Male			
	Female	31%		
<b>Health</b>				
Three most prevalent diseases -2000 cases				
Malaria		9,004		
Respiratory tract infection		7,428		
Skin disease		21,417		
Doctor/patient ratio		1:95,500		
Hospitals		2		
Health centers		5		
Dispensaries		36		
Clinics		14		
<b>Total</b>		<b>57</b>		
Average distance to the nearest health facility(km <sup>2</sup> )		50		
<b>Energy</b>				
Number of house holds with electricity connections (Generators)		180		
Number of trading centers with electricity		2		
%rural house holds using solar power		0.1		
%house holds using firewood /charcoal		98.8		
%house holds using kerosene, gas or biogas		1.0		
<b>Transport facilities</b>				
Total kilometer of roads by division				
Division		<b>Murrum</b>	<b>Earth</b>	<b>Bitumen</b>
Wenje		95.85		
Galole		183.75	64.5	

Garsen	124.1		105.6
Bura	42.3	3	104
Mado	73.7		30
Bangale	14.7		95.2
Kipini	16.2	16.6	
<b>Total</b>	<b>551.6</b>	<b>83.1</b>	<b>334.8</b>
Total length of railway line and number of stations	0		
Number of ports including in land container depots (ICD)	0		
Number of air ports and air strips	3		
Number of water ways	4		
Number of public service vehicles (PSVs)	31		
<b>Communication</b>			
Number of house holds with telephone connections :			
Hola market centre	146		
Bura Tana	38		
Garsen	26		
Wenje	1		
Madogo	12		
<b>Total</b>	<b>223</b>		
<b>No. of public Private organizations with Telephone connections</b>			
Hola	53		
Bura	11		
Wenje	0		
Garsen	18		
Madogo	3		
Bangale	0		
<b>Total</b>	<b>85</b>		
<b>No. of public organizations with Telephone connections</b>			
Hola	93		
Bura Tana	27		
Wenje	0		
Garsen	18		
Madogo	6		
Bangale	1		
<b>Total</b>	<b>145</b>		
Mobile service coverage	0		
Number of post/sub post offices	6		
Number of telephone booths	31		
Number of cyber cafes	3		
<b>Trade ,Commerce and Tourism</b>			
Number of trading centers	10		
Number of hostels (lower and middle class)	102		
Number of tourist class hotels	2		
Main attractions	Wild life and primates		
Number of licensed hotels by county council	104		
Number of licensed hotels by county council	1,015		

Total types of informal sector enterprises	6
<b>Banks and Financial Institutions</b>	
Number of banks	1
Volume of credit provided (Kshs)	53,406,985
Number of other financial institutions	0
Number of Micro-finance institutions (MFIS)	2
<b>Information Technology</b>	
Number of computers in the district	14
Number of computers with E-mail service	4

**Source: Tana River District Development Plan; (2002-2008)**

**APPENDIX 3: Questionnaire for Key Stakeholders**

**TANA DELTA INTEGRATED SUGAR PROJECT  
Environmental Impact Assessment Study**

M.A. Consulting Group, P.O. Box 73335-00200, Nairobi.  
c/o Tel: 0722-389348/0722-479061

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**Our client and the proponent/developer (Joint Implementation Project Team (JIPT) c/o of Mumias Sugar Company Limited, is proposing to put up the “TANA DELTA INTEGRATED SUGAR PROJECT” located at Garsen, in Tana River district, about 200 km North of Mombasa. The main features of the proposed project are as follows: Sugarcane production by irrigation through estate and outgrower systems, water supply to the project, establishment of the sugar factory, co-generation capacity upto 40 MW power, ethanol production plant and a livestock feed plant. Other project components are animal fodder production, feed lot system for fattening local beef cattle and biogas production. It also proposed that for communities participating in the project, they will be supplied with the following social amenities and benefits: Water, Electricity, Roads and Bridges, Schools, Health facilities, Tree seedlings and Employment Opportunities.**

As a requirement of EMCA 1999 Section 58 on Environmental Impact Assessment, public participation is an important exercise for achieving the fundamental principles of sustainable development. Therefore, as a key stakeholder i.e. local leader/ surrounding institution or organization/ interested person or group, we request for your comments on the expected socio-economic and environmental impacts of the proposed project.

1. What **positive** socio-economic and environmental impacts (*i.e. to people, land/soil, water, forest, air, wetlands, livestock, wildlife, fish, etc*) do you anticipate during the **construction** and **operational** phases of the project?

.....  
.....  
.....  
.....

2. What **negative** socio-economic and environmental impacts (*i.e. to people, land/soil, water, forest, air, wetlands, livestock, wildlife, fish, etc*) do you anticipate during the **construction** and **operational** phases of the project?

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.....  
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3. Make suggestions on what you feel the proponent/ developer should incorporate during implementation of the project for the betterment of the surrounding community and environment.

.....  
.....  
.....  
.....

4. What is your general opinion on the proposed Project?

.....  
.....  
.....

**Name**.....**Date** .....

**Position:** .....

**Full address:** .....**Tel: Contact**.....

**Signature**.....**I.D /Passport No.**.....

#### **APPENDIX 4: List of Stakeholders Consulted**

Bernard Kaaria, Kenya Wildlife Service  
P.O.BOX 40241-00100 NBI

John P. Owino, Project Officer IUCN  
P.O.BOX 68200-00200 NBI, Tel 0733798259,  
E-mail John.Owino@iucn.org

Dr. Ian Gordon, ICIPE  
Tel 020-8632000 Ext.2050/2051

Mr. Odanje, Ministry of Agriculture /Eng. Mwanda & Ondieki  
P.O.BOX 30028 NBI,  
Tel 2718870

Ministry of water & irrigation  
P.O.BOX 49720-00100NBI,  
Tel 0202716103,2716285

Ministry of Regional Development Authorities  
P.O.BOX 10280-00100 NBI,  
Tel 0202724646

Institute of Primate Research, Karen  
P.O.BOX 24481NBI,  
Tel 02882571/4

Kenya Forest Working Group - Nairobi  
P.O.BOX , Tel

Kenya Forest Service – Mr. Mbugua  
P.O.BOX 30513NBI,  
E-mail mail@forestry.go.ke

Mr. Ali, National Environment Authority (NEMA) – Fresh Water and Marine Programme  
P.O.BOX 67839-00200NBI,  
Tel 020605522/6/7,  
E-mail dgnema@swiftkenya.com  
Kenya Sugar Board, Nairobi  
P.O.BOX 51500-00100NBI,  
Tel 0733333378/9

Dr. Helida A. Oyieke, Director, Research and Scientific Affairs  
National Museums of Kenya  
Tel: 0722 458508

Hadley Becha, East African Wildlife Society  
P.O.BOX 20110NBI,  
Tel 02574145

Kenya Wetland Forum – Mr. Peter Odhiambo  
P.O.BOX 20110-00200 NBI, Tel 0203874145  
Hon. D. Mungatana, Assistant Minister for African Affairs  
P.O.BOX 45617-00100 NBI

Hon. Ali Wario, Assistant Minister for Special Programmes  
P.O.BOX 30510 NBI,  
Tel 02227411

Nature Kenya  
P.O.BOX 44486-00100NBI,  
Tel 254 07203749957,  
E-mail office@naturekenya.org

Mr. Mwangi, Cost Development Authority  
P.O.BOX 1322 Mombasa,  
Tel 011224406  
Ministry of Trade & Industry  
P.O.BOX 30430-00100NBI,  
Tel 020315001

National Irrigation Board  
Tel 020 2711468/380  
KESREF, Kisumu – Dr. Okwach  
P.O.BOX 44 Kisumu,  
Tel 0722867335

Ministry of livestock & Fisheries  
P.O.BOX 58187 city square Nairobi,  
University of Nairobi – Zoology & Botany – Mavuti, Ntiba, Mworira  
P.O.BOX 30197-00100NBI,  
Tel 02318262

Maulidi K. Diwayu, Chief Executive Officer-Tana Delta Environmental Conservation  
Organisation (TADECO)  
P.O BOX 26 Garsen,  
Tel. 0725955609/0735413402

Emanuel C. Mwambao, Divisional Forest Officer-Kipini Division  
P.O.BOX 1 Kipini,  
Tel 0735666704

Timothy Mwamuye, Divisional Livestock Production Officer-Kipini  
P.O.BOX 1 Kipini,  
Tel 0735236867

John Ngige, Chairman Kipini Small Scale Farmers Association  
P.O.BOX 73 Witu

William N. Gavashi, Divisional Environmental and Land Development Officer  
P.O.BOX 1 Kipini,

Tel. 0721338050

B.M. Karani, Divisional Officer Kipini  
P.O.BoX 1 Kipini,  
Tel 0733377687

Clement Abisa Kofa, Divisional Social Development Assistant  
P.O.BOX 7 Hola,  
Tel. 046-62068

Lysania H. Bashora, IN-CHARGE Kipini Kenya Wildlife Service Outpost Officer  
P.O.BOX 4 Hola,

Shaibu Mohamed, Vice Secretary Tana Friends of Marine Environment  
P.O.BOX 42 Witu,  
Tel. 0735431035

Lysania Asael, Deputy Head Teacher  
P.O.BOX 26 Garsen,  
Tel. 0724599897

Menzs A. Jillo, Divisional Educational Officer  
P.O.BOX 61 Garsen,  
Tel 0723166572

Willy Mututa, District Fisheries Officer  
P.O.BOX 8-80201 Garsen,  
Tel. 0721683642

Michael Wanyoike, District Officer  
P.O.BOX 1 Garsen,  
Tel 0735711283

Winnie Lydia Hiribai, Secretary  
P.O.BOX 31 Tarasaa,  
Tel 0724305699

Mrs. Martha M. Mungatana, Chairlady Tarasa Women Group  
P.O.BOX 10 Tarasaa,  
Tel 0720202252

Henock Ismael Bonaya, YWCA Garsen  
P.O.BOX 32 Garsen,  
Tel 0724873672

Abae A. Michael, Divisional Veterinary Officer Garsen  
P.O.BOX 11 Garsen,  
Tel 0736802946

Bennett Daido Wachu, Support staff supervisor  
P.O.BOX 90 Hola  
Yahya Ali  
P.O.BOX 62 Garsen,

Tel 0724147663

Kassian M. Nyambu, Divisional Environment and Land Development Officer(Ministry of Agriculture)  
P.O.BOX 11 Garsen,  
Tel 0726444589

Pius Kawa Sefu, Area Development Programme Manager (WORLD VISION)  
P.O.BOX 83 Garsen,  
Tel 0722290812,E-Mail; pius\_sefu@wvi.org

In-Charge Police officer,Gamba Police Station  
Private Bag Garsen

B. Arake, Bandi Village,Local Pastoralist Community Member  
Tel 0726580323

Mohamed Gobole, Bandi Village,Local Pastoralist Community Member  
Tel 0724336325

Mohamed Golo,Bandi Village,Local Pastoralist Community Member  
Tel 0720753335

Mwaita Kenneth, Coast Provincial Physical Planning officer  
Tel 0722230036

Professor Christian Dorgemester, Director General ICIPE  
Tel 020-8632000 Ext. 2101

Loice,Director Veterinary Services  
Tel 020-2700575

Mr. Kabenei, Head of Agriculture, Kenya  
020-2020608

Mr. Nyaora,Registra of Water Rights (Ministry of Water)  
P.O.BOX 49720 Nairobi,  
Tel 020-2716103

Evans Onginjo, Kenya Sugar Research Foundation-Mtwapa  
P.O BOX10275Tel 0721600603,0202047304  
E-mail [ongijoevans@yahoo.com](mailto:ongijoevans@yahoo.com)

Calleb Olweny,KESREF-Kisumu  
P.O.BOX 44 Kisumu,Tel 0722867335,  
E-mail [callebolweny@yahoo.com](mailto:callebolweny@yahoo.com)

Mr. Cosmas Ikiugu,Provincial Forestry Officer Coast Province  
Tel 0722612217

Stephen Kilonzo,Kimutu Environmental Officer, Mombasa Division

Tel 0734444982

Mr. A.M Abdille, Provincial Director of Livestock Production  
Tel 2227283,0727777397

Mr. Gichuki Simon, Provincial Irrigation Officer Coast Province  
Tel 0722688573

Mr. Wanjala David, Provincial crops officer Coast province  
Tel 0724987456

Mr. Wanyuma John Provincial Deputy Agricultural Director  
Tel 0733388060

Josephine Awino, Chief Engineer Officer General Manager  
Tel 2711380

Esmail A. O., Chief Range Management Division, Ministry of Livestock and  
Fisheries(Fisheries Department)  
Tel 2722601/37

KARI Director  
Tel 4183301-2/4183720

Winnie Bonaya, Women Poverty Eradication group  
Tel 0729162064

Winnie C. Hiribae, Tarassa Women Group  
Tel 0724305699

Grace Haboya Josphat, Ngao  
Tel 0737486835

Henry Otieno, District Officer Tarasaa  
Tel 0735088003,0728360078  
I.P. Shamalla, OCS Gamba  
Tel 0720718380

Habura F. Madras, Head Teacher Gamba Primary School  
Tel 0722446425

Lysania Asael, Deputy Gamba Primary School  
Tel 0724599897

Mbwa Stephen, Programme Manager, Kenya Water for Health Organisation (KWAHO)  
Tel 0724793021

Evans Keboga, Divisional Water Officer, Garsen Division  
Tel 0724793021

Nyambu M. K, Department of Agriculture, Nyambu Division

Tel 0726444589

Jilo Menzs, Divisional Education officer  
Tel 0723166572

Samuel Mwaluma, Kenya Wildlife Services, Garsen  
Tel 0726547103

Abae Hiribae, Divisional Fisheries Officer  
Tel 0734010631

Michael Abae, Divisional Veterinary Officer  
Tel 0736802946

Joseph M. Karanja, Tana Basin Manager, Tana and Athi River Development Authority  
(TARDA)  
P.O.BOX 47309-00100 NBI  
Tel 0722879065, E-mail [jombuka@yahoo.com](mailto:jombuka@yahoo.com)

DR. Nesbert Mangale, Managing Director Coast Development Authority  
P.O.BOX 1322-80100 Mombasa, Tel 0722827617

DR. Geoffrey W. Howard, Regional Programme Coordinator, World Conservation Union  
P.O.BOX 68200-00200 NBI, Tel 020890605-12,  
E-mail [Geoffrey.Howard@iucn.org](mailto:Geoffrey.Howard@iucn.org)

Bernard K. Ayugu, Director of fisheries Department  
P.O.BOX 58187-00200 NBI, Tel 0724560164,  
E-mail [samaki@saamnet.com](mailto:samaki@saamnet.com), [ayugubk@yahoo.com](mailto:ayugubk@yahoo.com)

The Director Nature Kenya  
P.O.BOX 44486-00100 NBI, Tel 0203749957, 3746090,  
E-mail [office@naturekenya.org](mailto:office@naturekenya.org)

Martha Wangari Mukira, Senior Fisheries Officer  
Coast Province  
P.O.BOX 90423 Mombasa, Tel 0733736704/0722579117,  
E-mail [mar\\_mukira@yahoo.com](mailto:mar_mukira@yahoo.com)

See also the lists under Minutes of Public Meetings

**APPENDIX 5: Public Notice in Pursuant of the Environmental Management and Co-ordination Act (EMCA), 1999**

**TANA INTEGRATED SUGAR PROJECT**

**Environmental Impact Assessment (EIA) Study**

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Mumias Sugar Company Ltd (MSC) and Tana and Athi Rivers Development Authority (TARDA), in a planned private joint venture, are proposing to put up the “*Tana Integrated Sugar Project*” located in Garsen Division/ Tana River District and partly in Lamu District, about 200 km North of Mombasa. The project area extends from Sailoni village in the north to the villages of Handarako and Arithi in the south covering land of about 33,000ha. gross including outgrowers.

The main features of the proposed project are as follows: irrigated sugarcane production through estate (16,000ha) and outgrower systems (4,000ha), water supply to the project, sugar factory, co-generation facility of up to 40 MW power capacity, ethanol production plant, a livestock feed plant and other livestock supporting activities including fisheries. It is anticipated that local communities will benefit through the provision of the following social amenities: Water, Electricity, Roads and Bridges, Schools, Health facilities, Afforestation, Eco-tourism and community-based income generating projects. Estimated direct and indirect Employment opportunities will be over 20,000 targeting the local population.

This type of project is subject to the rules and regulations of EMCA, 1999, as it is anticipated that the project will have effects on the physical, biological and socio-economic environments. Public consultation is a basic requirement during the on-going EIA process. By this Public Notice as required under the Environmental (Impact Assessment and Audit) Regulations, 2003, No. 17(2), affected people and concerned parties are invited to attend any one of the following five (5) stakeholders and community consultative meetings that is convenient in order to submit their oral or written comments and suggestions on the proposed project:-

<b>Date</b>	<b>Stakeholders/ community consultative meeting</b>	<b>Starting Time</b>
21-08-2007	Project Upstream meeting at Garsen town, Baraza park, Tana River District	9.00am
22-08-2007	Middle project area meeting at Ngao Market, Kamukunji Grounds, Tana River District	9.00am
23-08-2007	Downstream meeting at Kipini Market, Baraza park, Tana River District	10.00am
24-08-2007	Witu Meeting, Witu Market, Baraza park, Lamu District	9.00am
30-08-2007	Nairobi and other Stakeholders Forum, Serena Hotel	9.00am

You are also invited to send written submissions directly to:

- our TISP EIA Team Leader, c/o M.A. Consulting Group, Corner House, 12th Floor, P.O. Box 73335-00200, Nairobi. Email: [services@magricon.com](mailto:services@magricon.com)., Tel:+254 20 227834/ 0722-389348/0722-479061, or
- HVA Gamba Guesthouse P.O. Box 91 Garsen, or
- HVA Office, Lamu Road, F.N. Centre, Malindi, Email: [hvaliaisonoffice@swiftmalindi.com](mailto:hvaliaisonoffice@swiftmalindi.com), Tel: +254 20 3509330

within two weeks from the date of this public notice.

**APPENDIX 6: MINUTES OF THE EIA PUBLIC MEETING HELD AT:**

1. GARSEN TOWN
2. NGAO MARKET
3. KIPINI MARKET
4. WITU MARKET
5. NAIROBI CITY

**Minutes Of The Eia Public Meeting Held At Garsen Town, Baraza Park On The Proposed Tana Integrated Sugar Project On 21-08-2007**

**6.9 Members of the Public Present**

1.	Mr. J.R. Matipei - Chairman	D.C., Tana River District
2.	Dr. Jacob K. Kibwage- Secretary	HVA/EIA MA consulting
3.	KEES HOPMANS	HVA Team Leader
4.	Menza K. Edward	NEMA/ DEO, Tana River
5.	Aggrey W.Wanjala	Mumias Sugar Company
6.	Pamella Lutta,	Mumias Sugar Company
7.	Ngunjiri Wanyoilu	D.O.Garsen
8.	Moses Munyendo	Mumias Sugar Company
9.	Dr. W.O. Ojwang	KMFRI
10.	Joseph Arasah	C.I. , OCS Garsen
11.	Jonah Omuyom, MSC	Mumias Sugar Company
12.	E.K. Mzungu	SIO, Garsen
13.	James Ngeno	HVA
14.	Albert Hama	AP, Garsen (SP)
15.	David Kallavi	TARDA HQS
16.	B.Nsatia Iregi	O.CD.D, Tana River
17.	Duncan Mwanjila	TARDA/TDIP
18.	Hezekiah Zita, Farmer	Wema
19.	John D.Wachu, Farmer	Vumbwe
20.	Thomas Igwi, Peasant	Kulesa
21.	Richard Walibe, Elder Garsen	Garsen
22.	John B. Lisku, Farmer	Kulesa
23.	Yusufu F.A. Charero, farmer	Garsen
24.	Asman Hassan, farmer	Garsen
25.	Geofrey Omara, farmer	Kulesa
26.	Mathew Galido, farmer	Lango/La Simba
27.	Lisania Komora, Teacher	Garsen
28.	Salatiel Mwene, Farmer	Wema
29.	Bonifas Warana, farmer	Wema
30.	Timothy S. Bato, farmer	Wema
31.	Betwel Daido, farmer	Kulesa
32.	John O.Luku, farmer	Kulesa
33.	Walio Abaye, Pastoralist	Kilelengwani
34.	Eddy Rligher, Teacher	Garsen
35.	Joel A. Ruhu, Elder	Hewani
36.	Safari Michael, V/representative	Hewani
37.	Hamthrey Garise, Elder	Hewani
38.	David B.Jillo, Elder	Saijoni
39.	John H.Gwiyo, Elder	Mapiwa
40.	Matali Hedi, Elder	Wema
41.	Justin Hiribae. M. , Elder	Wema
42.	Charles Shari Buko, Elder	Wema
43.	Hilibae Dololo,	Chara
44.	Mark A. Kalasinglo, Elder	Chara
45.	Shilloh P .Komora, Elder	Sailomi
46.	David mduye Kofa, farmer	Salama

47.	John N. Elijah, farmer	Salama
48.	Simon M. Wayu, farmer	Salama
49.	Ali Chalero Dina, Elder	Minjihit
50.	Pamella Atieno, farmer	Lango La Simba
51.	Suleimani Ali	Garsen
52.	Muhammed Goriso Golo, chairman pastoralists	Garsen
53.	Nelly Malika Abio , Chairlady-MYWO	Garsen
54.	Kuno Barake	Garsen
55.	Salado Dadi	Garsen
56.	Margaret H.Mko	Garsen
57.	Osman Wako Bworu	Garsen
58.	Huko Saweina	Garsen
59.	Kanchoro Gollo	Garsen
60.	Mary Halako Koma	Garsen
61.	Kuno Barake	Danisa
62.	Goriso Gollo	Bandi
63.	Salad Dadi	Kipao
64.	Golo Doge Dayo	Bandi
65.	Konchoru Gollo	Dumi
66.	Dido Abashora Ndogo	Galili
67.	Hdija B. Gobole	Bandi
68.	Maimuna Golla	Bandi
69.	Ismail K. Godana	Hamesa
70.	Abdalla G Ndogo	Bandi
71.	Zenab M. Omar	Bandi
72.	Zeina Golo Shambalo	Didawarede
73.	Abaloni R. Abaloni	Sheli
74.	Abdi Hassan	Bandi
75.	Abdi Buro Garso	Danisa
76.	Bile Bundid	Garsen
77.	Abadada Albabo	Dumi
78.	Fatuma D. Abadada	Gumi
79.	Osman Wako Boru	Gamba
80.	Huko Sawen	Bandi
81.	Shobe Bakari	Galili
82.	Salabo Delo	MOA
83.	Dantu Woyamo	Galili
84.	Hawe Kuno Barake	Bandi
85.	Hamisi M.Dhadho	Dumi
86.	Shora Dube	Onkolde
87.	Salim Hassan	Dibawarebe
88.	Mohammed Barisa Dabu	Kapao
89.	Mohammed B. Bwanamkuu	Dumi
90.	Omar Duwayu	Mitapani
91.	Mzee Mduru	Wema
92.	Naam N. Galagalu	Gamba
93.	Balam Rhova	PEPONI
94.	Chikaya T. Asach	Hewani
95.	Shem Boneya Jilo	Golbati
96.	Faith Sharuti Riziki	Galbati
97.	Mohamed Gobole	Bandi

98.	Mohamed M.Dame	Bura
99.	Moses Odera	kokona
100.	Buya M. Salim	Kachadwe
101.	Melisha Hawata Dambala	Gamba
102.	Mary Mumbi Mungai	Gamba
103.	Gwiyo Omar Simon	Sailoni
104.	Filikita N. Mbidi	Buumbwa
105.	Amon Assa Kobogeze	Kibusu
106.	Faha Ego Michael	Oda
107.	Yasel Galugalu	Idsowe
108.	Emily M. Bakari	Gamba
109.	Ndoge Daniel	Gamba
110.	Rachel Cinima Uleo	Gamba
111.	Andrew Moroni	Gamba
112.	Meta N. Buya	Gamba
113.	Mtinda Kwale	Wema
114.	Blandina Igecha Kososo	Buumbwe
115.	Badaso Harris	Kulesa
116.	Maria Hakikisha Kupesha	Ngao
117.	Bin Haji Mohammed	Sera
118.	Hassan Abolo	Mnyila
119.	Musa Hassan	Kibusu
120.	Abdi Dakane	Burakafia
121.	Ibrahim Ahmed	Sera
122.	Idris Mohammed	Gamba
123.	Hassan Mohammed	Gamba
124.	Mohammed Fara	Kibusu
125.	Kuno Guyole	Mnyila
126.	Abdi Kedhi	Kibusu
127.	Amri Ali Gune	Darusa
128.	Noor B.Dhidhi	Danisa
129.	Shukru Jilali	Sera
130.	Abdi Muhamed	Sera
131.	Asman Mamud	Kibusu
132.	Nuri Dunye	Danisa
133.	Omar Jilo	Gamba
134.	Muhammed Hassan	Gamba
135.	Noor Hassan	Danisa
136.	Gabo Dekow	Danisa
137.	Harufa Boneya	Kipad
138.	Tara Kanchora	Bandi
139.	Mohammed Galgalo	Bandi
140.	Hadaba Baraka	Garsen
141.	Fatuma Godana Batesa	Bandi
142.	Omar G. Kuno	Bandi
143.	Ramadhani Batesa	Bandi
144.	Hassan B. Ijema	Kipao
145.	Adhan Bulo Guyo	Bura
146.	Zaina Dame Guyo	Danisa
147.	Yako D. Guyo	Danisa
148.	Ali Gobu	kipao

149.	Muhammed B. Boba	Sera
150.	Fatuma B. Gobu	Sera
151.	Habona B. Delo	Kipao
152.	Hakundi B. Fangapa	Danisa
153.	Hadija B. Kikukyu	mnyda
154.	Halima H.Urewe	Garsen
155.	Batesa Igiro Talu	Tulu
156.	Hagana Gabiti	Danisa
157.	Muhammed Galano	Mnjila
158.	Haleba Galano Kuno	kipao
159.	Wale Bero	Mjira
160.	Habona Abadiba	Danisa
161.	Hadaba Batidido	Kipao
162.	Muhammed D. Ase	Mnjilla
163.	Guyo Wane	Kipao
164.	Delo Amina	Mnjilla
165.	Muhammed Boneya	Kipao
166.	Dahabo Abashera	Danisa
167.	Mumina Gobu	Mnjilla
168.	Bakari Batisa	Bandi
169.	Shafia Malim	Danisa
170.	Bocha Gobole	Bandi
171.	Bambelo G.	alango
172.	Abas U.	Malbe
173.	Bawta Dabi	Bandi
174.	Ali Kanchoru	Bandi
175.	Kanchoru Kuwo	Bandi
176.	Hussein Guyole	Bandi
177.	Mumiwa Abarufa	Bandi
178.	Mohammed Godana	Bandi
179.	Hadija Wario	Bandi
180.	Hagana Dube	Danisa
181.	Galgalo Dube	kipao
182.	Adhana Jarso	Bura
183.	Jare Dida	Bura
184.	Abdula Dida	Bandi
185.	Salabo Boru	Bandi
186.	Kulisa Wario	Bura
187.	Dada Wario	Bandi
188.	Muhammed Wario	Bura
189.	Muhammed Yakuib	Mnjila
190.	Abila Dame	Bandi
191.	Bishara Shure	Bandi
192.	Bocha Futi	Bandi
193.	Harima G. Doge	Bandi
194.	Galole Kuwo	Bandi
195.	Dadi Galole	Bandi
196.	Kuwo Galole	Bandi
197.	Bulla A. Jilo	Bandi
198.	Hadija Baraka	Bandi
199.	Harima Guyo	Bandi

200.	Boride Abalaga	Bandi
201.	Ware Bero Boda	Mnijila
202.	Habona Abdiba	Bandi
203.	Habada Bati	Bandi
204.	Harima Dende	Mnijila
205.	Godana K. Wario	Galili
206.	Fatuma Habona	Galili
207.	Muhammed Kuno	Gomesa
208.	Wario Godana	Galili
209.	Halima Wario	Danisa
210.	Harima Bochani	Danisa
211.	Kamale Habona	Galili
212.	Fatuma J. Jilo	Danisa
213.	Dokota Doge	Bandi
214.	Hadija Habona Wario	Danisa
215.	Yatano Bocha	Bandi
216.	Boru Wario	Danisa
217.	Habalafo Gobole	Bandi
218.	Madina Ali	Bandi
219.	Boba Hawata	Danisa
220.	Idris Gobu Hiyesa	Bandi
221.	Godana Gobole	Bandi
222.	Halima K. Alango	Galili
223.	Mohammed D. Gayo	Danisa
224.	Mohammed Borey	Galili
225.	Ahmed G. Hindada	Oda
226.	Ade Wachu	Oda
227.	Gola A. Goleda	Galili
228.	Hussein Hiddi	Galili
229.	Guyo A. Guyo	Galili
230.	Yussuf Hassan	Dibe
231.	Clariet N. Jidu	Wema
232.	Eunice A. Hakamba	Sailoloni
233.	Paul B. Kuteit Sirili	Kulesa
234.	Gabriel M. Ngenge	Sailoni
235.	Fatuma Kulisa	Bandi
236.	Haboda Wario	Galili
237.	Hamunyo Salada	Mnijila
238.	Fatuma Konkono	Danisa
239.	Habona Boride	Danisa
240.	Ali Bonaye	Galili
241.	Amina Abarea	Galili
242.	Mohamed J. Ware	Bandi
243.	Saidi M. Bore	Bandi
244.	Ali Buke	Bandi
245.	Zainabu Omar	Garsen
246.	Safo Galano	Garsen
247.	Ali Buke	Garsen
248.	Habini Shomo	Garsen
249.	Muhammed Dame	Garsen _
250.	Nuru N. Shora	Kipao

251.	Dolo Dida Delo	Garsen
252.	Shafia Wario	Garsen
253.	Shafia Barisa	Garsen
254.	Shafia Adan	Garsen
255.	Hamido Wario	Garsen
256.	Esha Gobu	Garsen
257.	Chari Doge	Garsen
258.	Kasim M. Barake	Garsen
259.	Yatano Hussein	Garsen
260.	Hagana Bacha	Garsen
261.	Hawata Bacha	Garsen
262.	Mohammed Batesa	Garsen
263.	Habato Shambaro	Garsen
264.	Guyole Ware	Garsen
265.	Yamima Obed	Garsen
266.	Madina Abdala	Garsen
267.	Doge Daniel	Lango La Simba
268.	Emily M. Bakari	Gamba
269.	Garbiti Guyo	Bandi
270.	Madina Abasi	Bandi
271.	Rukia Tara	Bandi
272.	Hawata Komora	Gamba
273.	Miriam Guyole	Bandi
274.	Halima Abere	Kipao
275.	Gano Dadi	Gomesa
276.	Kambicha Boyeb	Bandi
277.	Gobu Hiyesa	Bandi
278.	Kamale Omar	Danisa
279.	Malele Jarso	Bandi
280.	Halima Urene	Assa
281.	Ismael Dido	Bandi
282.	Godana Dende	Bandi
283.	Madina Wachu	Kipao
284.	Hadija Wario	Hamesa
285.	Dolo Dida	Bandi
286.	Fadhun Ndogo	Danisa
287.	Abdulkadir	Mwanja
288.	Mohammed Chari	Bandi
289.	Rahima Ali	Onkolde
290.	Halaku Dara	Bandi
291.	Boda Galgalo	Burakofira
292.	Muhammed Godana	Waata Village
293.	Abdala Athman Halisi	Kipini
294.	Kamau Wa Ndirungu	Garsen
295.	Eston Hiri Bae	Kipini
296.	Garise Martin Makugo	Hewani Village
297.	Hezekiel Warera Garise	Hewani Village
298.	Lysania Asael	Hewani Village
299.	Abae Simon Petro	Hewani Village
300.	Kezia Habuta Wario	Hewani Village
301.	Mariah Asael Guyo	Hewani Village

302.	Lydia Habona Matsawi	Hewani Village
303.	Jonathan Action Wachu	Hewani Village
304.	Jackline Halako Rhigho	Hewani Village
305.	Gabra Asael Nkusi	Hewani Village
306.	Loyce Hadara Omara	Hewani Village
307.	Asael Murugu Galole	Hewani Village
308.	Jillo Meleck Asael	Hewani Village
309.	Jackline Hashora Jillo	Hewani Village
310.	Sara Hakuna Murugu	Hewani Village
311.	Recksona Sera Jillo	Hewani Village
312.	Sibabu Siesta Garise	Hewani Village
313.	Lydia Habona Garise	Hewani Village
314.	Elity Harufa Buya	Hewani Village
315.	Nelly Nagiite Amuma	Hewani Village
316.	Leah Mbuta Kush	Hewani Village
317.	Filikita Halahala Amuma	Hewani Village
318.	John Amuma Henock	Hewani Village
319.	Christine Hatuta Buya	Hewani Village
320.	Hirani Mashaka Duo	Hewani Village
321.	Fenny Chudi Ntusa	Hewani Village
322.	Samuel Matiigwo	Hewani Village
323.	Mikali Namabunia Jonathan	Hewani Village
324.	Esha Ghamachana Warera	Hewani Village
325.	Komora Vihah Victor	Hewani Village
326.	Regina Mkamwina Benard	Hewani Village
327.	Naome Nangujo Jillo	Hewani Village
328.	Helen Lela Bocha	Hewani Village
329.	Zilla Harufa Nkuwa	Hewani Village
330.	Lydia Habona Haribae	Hewani Village
331.	Hezekia Dangu Mwanaliwa	Hewani Village
332.	Lazaro Jillo Seth	Hewani Village
333.	Lizzy Msalala Jillo	Hewani Village
334.	Bahati Hashona Amuma	Hewani Village
335.	Eston Willson Kaumbi	Hewani Village
336.	Emilly Halako Wario	Hewani Village
337.	Asaph Garise Wachu	Hewani Village
338.	Highness Wachu Manase	Hewani Village
339.	Kerna Chimea Wachu	Hewani Village
340.	Maggy Hasango Manase	Hewani Village
341.	Namwezi Filikita Manase	Hewani Village
342.	Baraka Garise	Hewani Village
343.	Daniel Mitcam Bombe	Hewani Village
344.	Chudi Kerna Daniel	Hewani Village
345.	Faulata Kateso Kirisha	Hewani Village
346.	Emma Maturi Amuma	Hewani Village
347.	Samuel L. Nathaniel	Hewani Village
348.	Pauline Haruffa Buya	Hewani Village
349.	Gerald Barisa	Hewani Village
350.	Magret Gamalok Dawa	Hewani Village
351.	Lucy Hasoye Stephen	Hewani Village
352.	Paul Marura	Hewani Village

353.	Francis Omara	Hewani Village
354.	Assa Amuma Manase	Hewani Village
355.	Hana Halubva Vihah	Hewani Village
356.	Alfred A. Martin	Hewani Village
357.	Jane Assa Tunda	Hewani Village
358.	Assa Kachuchu Asaph	Hewani Village
359.	Mary Handumwa Amuma	Hewani Village
360.	Grace Hana Buya	Hewani Village
361.	Matia Garise Anainia	Hewani Village
362.	Jacob Makugo Martin	Hewani Village
363.	Hadulu Badasi Eunice	Hewani Village
364.	William Raha James	Hewani Village
365.	Juliet Thabitha Jillo	Hewani Village
366.	Christine Hatuta Matia	Hewani Village
367.	Msafiri Nkuwa Jillo	Hewani Village
368.	Kerna Habona Dambala	Hewani Village
369.	Filikita Halahala Nkuwa	Hewani Village
370.	Dorothy Kalekye	Hewani Village
371.	Selina Hagana Amuma	Hewani Village
372.	Amos Dangu	Hewani Village
373.	Esther Kirwa	Hewani Village
374.	Garise Elisha Mtumaini	Hewani Village
375.	Mercy Garise	Hewani Village
376.	Tofani James Josphat	Hewani Village
377.	Selita H. Josphat	Hewani Village
378.	Wario J. Josphat	Hewani Village
379.	Jonathan Abaloni Wachu	Hewani Village
380.	Mary Guyato Ngomango	Hewani Village
381.	Betty Harufa Diribo	Hewani Village
382.	Levi Jilloh Igwo	Hewani Village
383.	Sammy Garise Hezekiah	Hewani Village
384.	Eunice Hakamba Garise	Hewani Village
385.	Halola Eva Makugo	Hewani Village
386.	Lawrence Mtupeni Teophilo	Hewani Village
387.	Samuel Muarabu Matsawi	Hewani Village
388.	Fibeh Hadara Hajawa	Hewani Village
389.	Asael Matayo Bangor	Hewani Village
390.	Filkita Namwezi Asael	Hewani Village
391.	Andrew Mashua	Hewani Village
392.	Rijth Hashora Jacob	Hewani Village
393.	Michael Maija Yako	Hewani Village
394.	Naemi Namwete Nsange	Hewani Village
395.	Eunice Hakamba Omara	Hewani Village
396.	Leya John Elisha	Hewani Village
397.	Nsange Eliza John	Hewani Village
398.	Francis Ayubi	Hewani Village
399.	Pauline Vituko Warera	Hewani Village
400.	Mikali Hadasa Joka	Hewani Village
401.	Faresi Wario Sharuti	Hewani Village
402.	Mata Ndwari Sharuti	Hewani Village
403.	Phares Abarufa James	Hewani Village

404.	Joyce Hadulu Dambala	Wema village
405.	Esther Nandongwa Jillo	Wema village
406.	Seita Nangorombi Reuben	Wema village
407.	John Kella Jillo	Wema village
408.	Haribae Peter Wario	Wema village
409.	Herimine Wario Peter	Wema village
410.	Alina H. Amuma	Wema village
411.	Rodger M. Abarufa	Wema village
412.	Yona M. Bagaja	Wema village
413.	Josphina N. Umuru	Wema village
414.	Maria M. Jillo	Wema village
415.	Chripini J. Amuma	Wema village
416.	Dereck D. Amuma	Wema village
417.	Agnes S. Nkaduda	Wema village
418.	Vincent Garise	Wema village
419.	Lucia C. Garise	Wema village
420.	John J. Jeremiah	Wema village
421.	Bonface A. Warana	Wema village
422.	Cecilia M. Anthony	Wema village
423.	Leah H. Maro	Wema village
424.	Clement Amuma Wario	Wema village
425.	Rehema H. Mpuye	Wema village
426.	Joan H. Nkondo	Wema village
427.	Clement Masinzi	Wema village
428.	Esther C. Gideon	Wema village
429.	Mikali H. Yesse	Wema village
430.	Yesse Emmanuel	Wema village
431.	Maria Emmanuel	Wema village
432.	Emmanuel Lefu	Wema village
433.	Sita M. Kamrata	Wema village
434.	Hana A. Garise	Wema village
435.	Nahason O. Jeremiah	Wema village
436.	Emily H. Jeremiah	Wema village
437.	Geogrey Tuonane	Wema village
438.	Flora Juma	
439.	Huluda M. Ade	Wema village
440.	Mkofira S. Johnson	Wema village
441.	Florence Mkofira	Wema village
442.	Gilbert M. Wario	Wema village
443.	Jilo Yona Ayub	Wema village
444.	Claudia M. Mwewa	Wema village
445.	Alice Wario	Wema village
446.	Hakutoo P.Jilo	Wema village
447.	Margaret E. Israel	Wema village
448.	Peter G. Ndege	Wema village
449.	Yahel H. Jilo	Wema village
450.	Lazarus S. Kella	Wema village
451.	Amina Diribo	Wema village
452.	Hawayu L. Martin	Wema village
453.	David K. Yako	Wema village
454.	Hezekiah Yako	Wema village

455.	Christine H. Jilo	Wema village
456.	Benedictus Le Gololi	Wema village
457.	Anthony Gololi	Wema village
458.	Salatei M. Matayo	Wema village
459.	Nsensee F. Jillo	Wema village
460.	Jacob M. Muduru	Wema village
461.	Zakaria A. Maro	Wema village
462.	Ruth H. Maro	Wema village
463.	Henry K. Muma	Wema village
464.	Verena Matata	Wema village
465.	Philemon H. Amuma	Wema village
466.	Selina H. Jeta	Wema village
467.	Mary H. Azizi	Wema village
468.	Judith Nkaduda	Wema village
469.	Desmond J. Ngora	Wema village
470.	Joseph N. Balifo	Wema village
471.	Ladan Kawitsi	Kulesa Village
472.	Asaph Badaso	Kulesa Village
473.	Jovi Abasan	Kulesa Village
474.	Emmanuel Badaso	Kulesa Village
475.	Seth Jillo	Kulesa Village
476.	John David	Kulesa Village
477.	George Hiribae	Kulesa Village
478.	Fednard Phillip	Kulesa Village
479.	Joseph Azuri	Kulesa Village
480.	Paul David	Kulesa Village
481.	Eliakim Charles	Kulesa Village
482.	Chudi Badaso	Kulesa Village
483.	Badaso Azuri	Kulesa Village
484.	Naiko Azuri	Kulesa Village
485.	Abishagi Hiribae	Kulesa Village
486.	John Philip	Kulesa Village
487.	Israel Komora	Kulesa Village
488.	Hezekiah Mati	Kulesa Village
489.	Mtawali Wachu	Kulesa Village
490.	Rosina Jilo	Kulesa Village
491.	Maria Buya	Kulesa Village
492.	Erickson Badaso	Kulesa Village
493.	Rahel Timothy	Kulesa Village
494.	Befuel Petro	Kulesa Village
495.	Matia Theophilus	Kulesa Village
496.	Rahab Willison	Kulesa Village
497.	Msafiri Badaso	Kulesa Village
498.	Daudi Shadrack	Kulesa Village
499.	Clement Badaso	Kulesa Village
500.	Ekaboti Igwo	Kulesa Village
501.	Livai Komora	Kulesa Village
502.	Phillip Amuma	Kulesa Village
503.	Elkana Igwo	Kulesa Village
504.	Richard Komora	Kulesa Village
505.	Buya Mazinzi	Kulesa Village

506.	William D. Ali	Kulesa Village
507.	Ayub Luku	Kulesa Village
508.	John Luku	Kulesa Village
509.	Enos Badaso	Kulesa Village
510.	Gibson Igwo	Kulesa Village
511.	Thomas Igwo	Kulesa Village
512.	Wilson D. Buya	Kulesa Village
513.	Ibrahim Omara	Kulesa Village
514.	Christine Buya	Kulesa Village
515.	Paul L. Omara	Kulesa Village
516.	Jesse J. Igwo	Kulesa Village
517.	Lysania A. Igwo	Kulesa Village
518.	Buya Matia	Kulesa Village
519.	Isaac Daudi	Kulesa Village
520.	Jillo Matia	Kulesa Village
521.	Ferdinard Uniji	Kulesa Village
522.	Malack Dullu	Kulesa Village
523.	Hadulu Mazinzi	Kulesa Village
524.	Blandina Komora	Kulesa Village
525.	Buya Matia	Kulesa Village
526.	Eliza Nchima	Kulesa Village
527.	Edia Phillip	Kulesa Village
528.	Aret Semi	Kulesa Village
529.	Ruth Samson	Kulesa Village
530.	Naama John	Kulesa Village
531.	James Hiribae	Kulesa Village
532.	Isaya Daudi	Kulesa Village
533.	Alpheth Charles	Kulesa Village
534.	Media Badaso	Kulesa Village
535.	Luka Dambala	Kulesa Village
536.	Haigwo Jilo	Kulesa Village
537.	John B. Kawana, Livestock, Farmer	Box 78, Hola Tel.
538.	Rosalia Kawanya, Livestock, Farmer	Box 6, Hola. Tel. 0738886568
539.	Buko I. Nkaduda, Livestock, Farmer	Box 7, Garsen. Tel. 0710243342
540.	Edward Matayo, Livestock, Farmer	Box 7, Garsen. Tel. 212780
541.	Amuma L. Kinoga, Livestock, Farmer	Box 29, Hola. Tel. 0728805350
542.	J.M. Gullu, Livestock, Farmer	Box 7, Garsen. Tel. 0736802400
543.	Kefa M. Amuma, Livestock, Farmer	Box 13, Hola. Tel. 0735669242
544.	John Luku Asaph, Livestock, Farmer	Box 78 , Hola.Tel. 0734144027
545.	Gullu E. Tanna, Livestock, Farmer	Box 134, Hola. Tel. 0736575048
546.	Topa T. Henock, Livestock, Farmer	Box 134, Hola.
547.	Zipora D. Nangolo, Livestock, Farmer	Box 53 Hola.
548.	Keziah M. Mwewe, Livestock, Farmer	Box 53, Hola.
549.	Clemencia H. Jillo, Livestock, Farmer	Box 3, Tel. 0734122375
550.	Blandish Isecha, Livestock, Farmer	Box 6, Hola. Tel. 0736715813
551.	Reinhard Maro, Livestock, Farmer	Box 1594, Ksm. Tel. 0720075076
552.	Lina Hagayana, Livestock, Farmer	Box 134, Hola Tel. 0735368772
553.	Fatison Shujaa, Livestock, Farmer	Box 134, Hola Tel.0735623938
554.	Milka Nkadha, Livestock, Farmer	Box 134, Hola
555.	Elizabeth Ada Jillo, Livestock, Farmer	Box 25, Hola Tel. 0734247839
556.	Caleb H. Waranah, Livestock, Farmer	Box13, Hola Tel. 0736520461

557.	Z. Lingejavera, Livestock, Farmer	Box 13, Hola
558.	Silver Azaria, Livestock, Farmer	Box 109, Hola
559.	Michael Linge, Livestock, Farmer	Box38, Hola 0734709855
560.	Hezekiah Ziita, Livestock, Farmer	Box 116, Hola
561.	Ali A. Bule, Chairman TPYDI.	Garsen

6.10

### **Preliminary**

6.11 The meeting started at 10.00 am with both Christian and Muslim Prayers.

#### **Minute 1: Communication from the Chair**

- The Chairman called the meeting to order and introduced the staff of HVA International, MA Consulting Company, TARDA, Mumias Sugar Company (MSC), Tana River District and Administrative Government Officers present as per the list above.
- The Chairman highlighted that poverty, insecurity, poor agricultural production and poor pasture management systems are the most challenging issues in Tana River District.
- He officially announced that the Government has allocated 200,000 acres of land from the Galana ADC Ranch to local pastoralists.
- He indicated that the government will soon rehabilitate the water facilities in that area in order to improve livestock productivity. This will be spearheaded by the Ministry of Water and Irrigation
- He indicated that he will give equal chances randomly to men, women, youths, and leaders present.
- He requested people to register at the registration desk as evidence that they have participated in the EIA process.

#### **Minute 2: Proposed Project Description**

- The HVA International representative, Mr. Kees Hopmans, highlighted the project components and activities as follows:-
- The government of Kenya has shown great interest in development of the Lower Tana by supporting the proposed industrial complex.
- He indicated that the EIA and feasibility studies are currently undergoing until late October, 2007.
- The most difficult challenge to the consultants in the control of floods in the Tana floodplain. Various options are being worked out. Floods will be a thing of the past in the area.
- The project is composed of:-
  - A sugar factory
  - An ethanol factory
  - A co-generation plant
  - 20,000 ha of sugarcane plantation (Nucleus and Outgrowers)
- Other project components will include establishment of cattle dip facilities, establishment of abattoirs, improved livestock breeding technologies, development of schools, road networks, bridges, electricity supply, water supply, hospital facilities, provision of 20,000 plus jobs, banking facilities, establishment of cottage industries, improved food security, establishment of eco-tourism projects, fish farming, etc.

- All villages in the project area will be incorporated into the project by being connected with road net works, water and electricity. The concept of Eco-villages will be the guiding principle.
- The project will have positive and negative impacts on grazing land and natural environment. Hence, the public needs to give us their views on the project.

**Minute 3: Objectives of the consultation and public participation**

- Dr. Jacob Kibwage of HVA International/MA Consulting company outlined the following objectives of the Consultation and Public Participation (CPP) process as required in EMCA, (1999):-
  7. To disseminate and inform the stakeholders about the project with special reference to its key components, location and expected impacts.
  8. To create awareness among the public on the need for the EIA for the TSIP and its due process.
  9. To gather comments, concerns and suggestions of the interested and affected parties.
  10. To ensure that the concerns of the stakeholders were known to the decision-making bodies and the developer at an early phase of project development planning.
  11. To establish a communication channel between the general public and the team of consultants, the MSC/TARDA and the Government.
  12. To incorporate the information collected in the study by EIA specialists

He emphasised that the purpose for such a process was to identify the positive and negative impacts/concerns and subsequently promote and mitigate them, respectively. It also helped in identifying any other miscellaneous issues which may bring conflicts in case project implementation proceeds as planned.

6.12

**Minute 4: Comments, suggestions and issues raised by the community**

- There was a lot of concern and fear by livestock farmers (mainly the pastoralist community, i.e. Orma, Wardei and a few Somalis) that implementation of the project will replace their current grazing land with cane growing. They were worried where their estimated 370,000-2million animals will graze when the project commences
- The other fear was that the project will reduce livestock watering points along the river and interfere with livestock corridors.
- However, others felt that it will control animals from neighboring Somali
- They wondered whether the local livestock will be tethered to restrict them from grazing freely in the flood plain when the project starts.
- Even though the land project is currently leased to TARDA for development, the local people still believe that they own it.
- It was claimed that most of the poor pastoralists were supportive of the project unlike the few rich pastoralists who opposed the project.
- Why is the project not being shifted to reduce the Bura and Hola rice irrigation schemes which failed? Why not Ramisi in the south Coast of Mombasa? However, the public were informed that those schemes were currently under major rehabilitation by the government.
- All villages in the project area should be involved in the project planning and implementation. Salama Village residents in particular requested for a meeting with MSC before the project takes off to sort out the case in court of 1994. The Ndalaku

- Village elders also requested for a special meeting with MSC before the project starts because they have no idea what is sugar cane. There was also fear of people being re-settled.
- It was recommended that project committees be established at village-level.
  - The Tana River DC announced in the public meetings that the government has approved a livestock grazing area of 200,000 acres hived off from the Galana ADC ranch in the Northern part of the proposed sugar project. The ranch is free from diseases and pests manifested in most parts of the lower River Tana.
  - Rehabilitation of water facilities (dams/ pans) in the ranch should be undertaken by MSC in collaboration with the relevant government ministries
  - The relationship between TARDA and local communities appears tenuous due to a multiple of factors which included:-
    - former company staff's unpaid salaries/ wages of about 3million to date,
    - unfair distribution of job-opportunities among the existing communities/ villages when the TARDA rice project was in operation,
    - Land ownership and boundary dispute cases in court since 1994 affecting Kulesa, Wema and Hewani Villages. The public recommended the HEWANI case to be withdrawn and sorted out of court. The public meeting showed that disputes over the rights to land are at the heart of the complex development problems facing Lower Tana
    - mismanagement of the rice project, alleged corruption and final natural collapse of the rice project due to El-Nino rains
    - lack of any successful and tangible development project by TARDA and the government in the area
    - It was proposed that, If TARDA failed to develop the land given by the local people; it should return it to the community.
    - Non-fulfillment of the TARDA promised Corporate Social Responsibility services/ facilities (e.g. schools, health centres, cattle dips, water supply, etc), etc.
  - The local people recommended that MSC should spearhead the project in collaboration with local community leaders/ representatives and TARDA management in future negotiations with the community.
  - The members recommended that TARDA's should revive the rice Irrigation project which requires quick rehabilitation to help the local people.
  - There exists a strong competition between the current proposal by TARDA/ MSC and that of MAT International Ltd sugar project in the upstream of Garsen town. MAT International Ltd intends to extract water from Tana River for its planned expansive cane farms of approximately 30,000ha North of Garsen town in Tana River District, 30,000 in Ijara District and a further 60,000ha in Lamu District. The people wanted the two project activities to be harmonized for their benefit and avoid unnecessary conflicts.
  - The stakeholders expressed their concerns on the environmental implications of the project to the existing forest patches which partly form the basic livelihood assets of the local people. It was there fore concluded that the riparian forests along the meandering course of the lower Tana River and other identified and mapped patches should not be cleared but be preserved for local sustainable use because they are a major source of fuelwood, building/ timber materials, fruits, honey, traditional medicinal herbs, palm wine, etc.
  - Protection of mangrove ecosystem which is about 45Km downstream from the project's negative impacts was also stressed.

- The members of the public noted that boreholes/ wells, permanent and seasonal ox-bow lakes and wetlands (including Tana River) were the main source of water for livestock, domestic use, wildlife, fish and local irrigation to rice and maize by the farmers. Lakes also act as important fresh water fish breeding grounds. The stakeholders recommended that all these should not be interfered with.
- The youths and women expressed that the project will partly solve the problems of unemployment in the area among the school leavers.
- The locals greatly appreciated that the proponent had given them a chance to participate in the decision making process concerning the proposed project.
- The members insisted that MSC should involve the local community leaders to ensure the resources are well utilized for the benefit of everybody.
- It was indicated that the project will basically depend on the assurance that the Tana River floods could be tamed permanently to reduce disastrous impacts in case of the reoccurrence of the El-Nino rains in future.
- Most residents were also worried about the positing of the dykes to protect the floods. As much as the local people liked to be enclosed within the dyke for protection purposes, a policy should be put in place on ownership and management of the dykes to ensure that the people are not categorized as squatters. The existing conflicts on dyke positing in the Rice scheme need to be sorted out through community negotiations. To avoid risks, the stakeholders suggested that the river regimes should be monitored carefully and ensure that it is controlled for utilization to improve local standards of living. Damage from the cattle and other animals should also be monitored crossly and avoided
- The people who had visited MSC in western Kenya indicated that though the company had greatly helped the people in that region, there were still more who were noted walking in the streets of Mumias town with signs of poverty.
- Due to the long-term dependence on food relief in Tana River and Lamu Districts, a strong food security component was recommended alongside the proposed project. Quick identification of a development partner to revive and rehabilitate the stalled rice irrigation project destroyed by El-Nino floods in 1997 was called for urgently. Provision of free gravity irrigation water for the Lower Tana Village Irrigation Projects (LTVIP) for the villages inside the project area was requested for by the residents. The farmers requested to be assisted in expansion of the former rice irrigated lands by providing technical and logistical support. Introduction of tenant farm management gradually on experimental basis with the aim of finally handing over the whole farm to the tenant farmers was recommended.
- The locals feel that TARDA lacked a CSR programme based on community needs. Because of that experience, a comprehensive, focused, localized, negotiated and time-bound CSR plan must be put in place. Haphazard selection and implementation of projects decided by the company alone without consultation and participation of the local people will not be accepted in any more in the future.
- The unemployment in the project area is extremely high among school leavers. Most youths without any formal education are engaged mainly in cattle grazing. Illiteracy levels are also very high in the area. Because of this background, the community members raised fears that casual laborers may be imported from other places in Kenya and yet they have a large base of cheap labor/workforce amongst their unemployed youth. They felt that the recruitment for employment should be through their local village elders committee since they live with them and know virtually all the educated and responsible youth within their community who could provide the required labor. Furthermore, due to the poor education levels in the area, recruitment

- of local people for non-technical jobs (e.g. cane cutting, factory operations, etc) should not be based on similar competitive criteria with people from up-country.
- Due to the existing culture among the Tana River and Lamu Districts communities, the women and youth leaders expressed concern that most projects in the region discriminate against them in the decision making process and yet they are the most affected in terms of high poverty and unemployment levels in the area. Hence, the proponent should incorporate them throughout the project cycle
  - Most people in the project area live in rural villages. Their sources of income are very limited with over 70% of the rural populations in the area surviving on less than 1 USD per day. They survive on very little income that comes from engaging in cattle trade, selling mangoes, crocodile eggs, milk, fish, basketry and some agricultural products.
  - Due to the limited schooling and health facilities in the area, it was noted that most of the community members, especially the pastoralists hardly send their children to school. Educational levels are therefore very low. It was a request that social amenities that may arise due to the project be extended in to the interior to open up the region at large.
  - Locals felt that the proponent should assist in upgrading the existing infrastructure (especially roads and bridges) and assist in developing new ones where and when needed in collaboration with the relevant Authorities and other companies operating in the region. Other facilities that the local people wanted to be developed include water supply system by providing economical water points at village level, electricity and communication networks.
  - It was the wish of the local people that EIA meetings could have been held in all 40 villages in the area. However, it was clarified that the central places that were selected attracted thousands of residents to participate.
  - Due to the poor education levels in the area, the local people demanded a lot of sensitization on the environmental and economic benefits of sugar cane production using a *village-to-village* contact approach especially among the non-crop farmers.
  - Due to past performance of TARDA, the National Irrigation Board, KENGEN, Kenya Power and Lighting Company, the local community suggested that an MOU should be developed and signed with the local community touching on the following issues: Direct and /or indirect compensation for loss of grazing land, future relationship between TARDA and local communities, water and land rights, preservation of forest resources, water, wetlands, birds and other wildlife, floods control, management/ administrative systems of the project, food security, Corporate Social Responsibility (CSR), employment opportunities, gender considerations, provision of social amenities and services, and human resettlement. The main MOU for partnership will have to be signed with the local people or in their presence depending on the final negotiation of the project.

**A.O.B**

There being no any other business, the meeting was officially called off by the Chairman at 4.10pm.

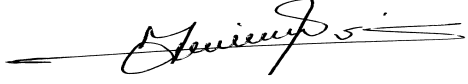
**Confirmed and Approved for Circulation**

Chairman (Mr. Jacob .R. Matipei , District Commissioner, Tana River, District

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Secretary/ Rapporteur (Dr. Jacob K. Kibwage)



29<sup>th</sup> October, 2007

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Minutes of the EIA public meeting held at Ngao Market, Kamuknji Grounds on the Proposed Tana Integrated Sugar Project on 22-08-2007**

**Members of the Public Present**

- |     |                                 |   |
|-----|---------------------------------|---|
| 1.  | Mr. J.R. Matipei - Chairman     | D.C., Tana River District                   |
| 2.  | Dr. Jacob K. Kibwage- Secretary | HVA/EIA MA consulting                       |
| 3.  | Kees Hopmans                    | HVA Team Leader                             |
| 4.  | Hon Danson Mungatana,/MP        | Ngao Village                                |
| 5.  | Aggrey W. WaJala                | MSC   |
| 6.  | John Ano Manase,                | Councilor                                   |
| 7.  | William K, Chepkwony            | County clerk TRCC - Hola                    |
| 8.  | Alii Mghana Dayo,               | Chairman TRCC Hola                          |
| 9.  | James A. Ngeno, HVA             | HVA   |
| 10. | Henry O. Otieno                 | D.O- Tarasaa - Tarasaa                      |
| 11. | Pastor Daniel Masavi            | Pastor RGC - Tarasaa Village                |
| 12. | Damarys Kiarie                  | HR/PR Manager TARDA HQs                     |
| 13. | David Kallavi                   | CMMPR/FR TARDA HQs                          |
| 14. | Duncan Mwanjila                 | TARDA TDP                                   |
| 15. | Paul Marunyo                    | TDUO TARDA GRN                              |
| 16. | Andrew K. Moroni                | Area co-ordinator Tana river<br>TARDA/Hola  |
| 17. | Jonah Omuyoma,                  | Production Manager MSC                      |
| 18. | Moses Munyendo,                 | Consultant MSC                              |
| 19. | Pamela Dutta,                   | Corporate Affairs ManagerMSC                |
| 20. | Gayo Isalanol,                  | Journalist Ideal Print                      |
| 21. | Goriso Gogo                     | TARDA                                       |
| 22. | B. Ngatia Iregi,                | OCPD Tanariver Village                      |
| 23. | Jemima John,                    | Division Chair lady MYWO                    |
| 24. | Nelly M. Abio,                  | Tana River Chair lady MYWO<br>0725-107128   |
| 25. | Abag H. Buya,                   | Fisheries                                   |
| 26. | Emma Yesse,                     | MYWO secretary coast province<br>0722562400 |
| 27. | Momo Bakari ,                   | Post mistress 0725159378                    |
| 28. | Dr. W.O. Ojwang,                | Research Scientist, KMFRI 0720206495        |
| 29. | Pastor, Johnson E. Kamora,      | Pastor P.O.Box 38 Tarasaa                   |
| 30. | Joseph Arasah,                  | OCS Garsen 0733922765                       |
| 31. | Elijah Msungu,                  | S.I.O Garsen Tarasa/ Kipini 0723537818      |
| 32. | J. S Gwiyo,                     | Teacher Ngao Village                        |
| 33. | Paul Farazan,                   | Farmer Tarasaa Village                      |
| 34. | Roseline Abae,                  | Farmer Golbanti Village                     |
| 35. | Mary Katana,                    | FarmerMilimani Village                      |
| 36. | Katana Konde,                   | FarmerMilimani Village                      |
| 37. | Fibi Loel,                      | FarmerTarasaa Village                       |
| 38. | Komora Buya,                    | FarmerMaziwa Village                        |
| 39. | Pauline Luwa G.                 | FarmerNgao Village                          |
| 40. | E.C Matola,                     | FarmerNgao Village                          |
| 41. | Zebia H. Diki,                  | FarmerNgao Village                          |
| 42. | Bwasheshe K.M,                  | Communication service Ngao Village          |
| 43. | Yunia Nelson,                   | FarmerTarasaa Village                       |

44.	Philikita Sumbuko,	Farmer	Hiari Village
45.	Mata Dullu,	Farmer	Tarasaa Village
46.	Ayub Jillo,	Farmer	Ngao Village
47.	Kadzo Buya,	Farmer	Ngao Village
48.	Ali Garise,	Farmer	Chara Village
49.	Abe S. Bvere,	Farmer	Ngao Village
50.	Ngori N. Yohana,	Farmer	Ngao Village
51.	Caroline Daido,	Farmer	Ngao Village
52.	Maewa C. Bwahehe,	Farmer	Ngao Village
53.	Stephene J. Mashilo,	Farmer	Ngao Village
54.	Eunice Z. Sumbuko,	Farmer	Ngao Village
55.	Komora C. Ngori,	Farmer	Ngao Village
56.	Filikita M. Magezo,	Farmer	Ngao Village
57.	Taabu M. Chaka,	Farmer	Ngao Village
58.	Isaya Manase,	Farmer	ODA Village
59.	Dulu Manase,	Farmer	Tarasaa Village
60.	Ezekiel A. Komora,	Farmer	Ngao Village
61.	Eunice P. Obed,	Farmer	Ngao Village
62.	Galugalu Sawono,	Farmer	Ngao Village
63.	Kahindi K. Mweni,	Farmer	Ngao Village
64.	Sidi K. Menza,	Farmer	Tarasaa Village
65.	Loise C. Thoya,	Farmer	Tarasaa Village
66.	Issa W. Buruno,	Farmer	Kikomo Village
67.	Omar S. Wario,	Business man	Chara Village
68.	Komora C. Maneno,	Farmer	Ngao Village
69.	Galugalu A. Johana,	Agricultural officer	Tarasaa Village
70.	Kassian M. Nyambu,	DIVELDO	Tarasaa Village
71.	Jilo D. Mfalege,	DLEO	Ngao Village
72.	Harry Jillo,	Farmer	Ngao Village
73.	Philip N. Komora,	Farmer	Ngao Village
74.	Philip N. Komora,	Farmer	Ngao Village
75.	Lawrence Virarani,	Farmer	Ngao Village
76.	Joslin Alan,	Farmer	Tarasaa Village
77.	Yerusha Paul,	Farmer	Tarasaa Village
78.	Esta Kakawa,	Farmer	Tarasaa Village
79.	Kadzo Thoya,	Farmer	Tarasaa Village
80.	Neema Ngao,	Farmer	Tarasaa Village
81.	Yemima Zephania, Farmer		Ngao Village
82.	Sidi Chai, Farmer		Tarasaa Village
83.	Harubfa Asser, Farmer		Ngao Village
84.	Mary H. Balesa, Farmer		Tarasaa Village
85.	Sokorote A. salomu, Farmer		Ngao Village
86.	Wilson Balesa, Teacher		Tarasaa Village
87.	Mungatana Joash, Farmer		Ngao Village
88.	Galugalu Soka, Farmer		Ngao Village
89.	Harrison C. Jillo, Masson		Ngao Village
90.	Steven M. Kutii, Driver		Ngao Village
91.	Neah M. Aneya, Farmer		Ngao Village
92.	Salima H. Asser, Farmer		Ngao Village
93.	Martin Tsellea, Farmer		Ngao Village
94.	Yelina Wande, Farmer		Ngao Village

95.	Penina Daido, Farmer	Ngao Village
96.	Fares Ubo	Ngao Village
97.	Andrew K. Fumo	Ngao Village
98.	Adam A. Simon, Farmer	Ngao Village
99.	Dedon H. Jillo, Masson	Ngao Village
100.	Asor Mudhea, Farmer	Ngao Village
101.	Mikal Bonduko	Ngao Village
102.	Rachel H. Silas, Farmer	Ngao Village
103.	Kerna H. Safari, Farmer	Ngao Village
104.	Josphat K. Joram , Farmer	Ngao Village
105.	Bonaya B. Tafilo, Farmer	Ngao Village
106.	Abia Jonathan, Farmer	Tarasaa Village
107.	Faith M. Benjamin, Farmer	Ngao Village
108.	Elizabeth Taabu, Famer	Tarasaa Village
109.	Elizabeth H. Madubi, Farmer	Tarasaa Village
110.	Elenor Yaa, Farmer	Tarasaa Village
111.	Sara Toya, Famer	Tarasaa Village
112.	Kodsaka Chengo, Farmer	Tarasaa Village
113.	Mikaya Martin, Farmer	Ngao Villag
114.	Samwel Mango, Farmer	Tarsaa Village
115.	Henock Simon, Frmer	Tarasaa Village
116.	Benard Komora, Farmer	Ngao Village
117.	Jilloh Ekana, Farmer	Ngao Village
118.	Hajjilo Naomi, Farmer	Ngao Village
119.	Nelly Malika, Farmer	Ngao Village
120.	Rachel Zilloth, Farmer	Ngao Village
121.	Wilfred M. Cikanda, Farmer	Ngao Village
122.	Japheth Donga, Farmer	Trasaa Village
123.	Silus Mngumba, Farmer	Dalu Village
124.	Mamodi Buko, Farmer	Ngao Village
125.	Busma E. Komora, Farmer	Ngao Village
126.	Ndumari D. Mngatana, Farmer	Ngao Village
127.	Tumaini Lazzaro, Farmer	Ngao Village
128.	Obed Tumand, Farmer	Ngao Village
129.	Mpongwa Tumain, Farmer	Ngao Village
130.	Masteki Fares, Farmer	Ngao Village
131.	Titus Tumaini	Ngao Village
132.	Lenox Hiribae, Farmer	Ngao Village
133.	Hawakae Skar, Farmer	Ngao Village
134.	Baraza Sheze, Farmer	Tarasaa Village
135.	Dada W. Madubi, Farmer	Ngao Village
136.	Samson K. Kariso, Farmer	Milimani Village
137.	Verina Baraz, Farmer	Trasaa Village
138.	Margaret Dina, Farmer	Tarsaa Village
139.	Lariks K. Komora, Farmer	Tarsaa Village
140.	Jillo S. Macas	Ngao Village
141.	Kaingu S. Thoyn, Farmer	Tarasaa Village
142.	Everlyn H. Anavue, Farmer	Ngao Village
143.	Morowa B. Omara, Farmer	Chara Village
144.	Lokiye Risco, Librarian	Ngao Village
145.	Christine Ndegwa, Farmer	Tarasaa Village

146.	Issa E. Bonaya, Business man	Ngao Village
147.	Jilloh Ekan, Farmer	Ngao Village
148.	Mared Maneno, Farmer	Ngao Village
149.	Emma Sylvano, Business woman	Ngao Village
150.	John Y. Awen, Business woman	Ngao Village
151.	Sylvano Wiltod, Farmer	Ngao Village
152.	David T. Chengo, Farmer	Tarasaa Village
153.	Kadowo Jumwa, Farmer	Ngao Village
154.	Gideon Katowa, Farmer	Tarasaa Village
155.	Jane Enos, Farmer	Tarasaa Village
156.	Loice K. Paul, Farmer	Ngao Village
157.	Magarita Oloko, Farmer	Tarasaa Village
158.	Irine H. Lazaro, Farmer	Tarasaa Village
159.	Monica Asser, Farmer	Ngao Village
160.	Nelly Masako, Farmer	Tarasaa Village
161.	Mother Mgeni, Farmer	Tarasaa Village
162.	Amina Mmbo, Farmer	Tarasaa Village
163.	Eunice Hajilah, Farmer	Tarasaa Village
164.	Hadulu Enos, Farmer	Tarasaa Village
165.	Esther Ndumari, Farmer	Ngao Village
166.	Grace Magasani, Farmer	Tarasaa Village
167.	Zilla Gilbert, Farmer	Tarasaa Village
168.	Sera Baraza, Farmer	Tarasaa Village
169.	Icha Salmon, Farmer	Ngao Village
170.	Salmon Icha, Farmer	Ngao Village
171.	Karisa Mabondola, Farmer	Ngao Village
172.	Lona Karisa	Tarasaa Village
173.	August J. Matia, Farmer	Ngao Village
174.	Fredrick Alfayo, Farmer	Ngao Village
175.	Fatuma H. Rwoba, Farmer	Ngao Village
176.	Lydia B. Safaris, Farmer	Ngao Village
177.	Nachukula S. Bonaya, Farmer	Ngao Village
178.	Caroline Weyuma, Farmer	Ngao Village
179.	Hurubho M. Bonaya, Farmer	Ngao Village
180.	Florence F. Hamena, Farmer	Ngao Village
181.	Martin C. Theophilo, Hotel attendant	Ngao Village
182.	Philip R. Omara, Farmer	Ngao Village
183.	Sailas Maneno, Farmer	Ngao Village
184.	Judith Maneno, Farmer	Ngao Village
185.	Sammy Bonaya, Farmer	Tarasaa Village
186.	Lucy H. Deye, Farmer	Ngao Village
187.	Megi Yaendi, Farmer	Tarasaa Village
188.	Yezina M. Jilo, Farmer	Ngao Village
189.	Ayub M. Buya, Farmer	Ngao Village
190.	Lazaro J. Safari, Farmer	Ngao Village
191.	Obed T. Lazaro, K.P.R	Ngao Village
192.	Agness M. Obed, Farmer	Ngao Village
193.	Johnson Katan, Farmer	Ngao Village
194.	Galugau Haler, Farmer	Ngao Village
195.	Msambucha Katana, Farmer	Tarasaa Village
196.	Patanish Maswa, Farmer	Ngao Village

197.	Pastor Masau, Farmer	Ngao Village
198.	Kombo Hery, Farmer	Tarasaa Village
199.	Consolata Anyango, Farmer	Tarasaa, Village
200.	Solomon S. Komora, Farmer	Ngao Village
201.	Sylvano Dwikia, Farmer	Ngao Village
202.	James J. Dulla, Farmer	Ngao Village
203.	Kaingus Thoya, Farmer	Ngao Village
204.	Okiri Ogada, Farmer	Tarasaa Village
205.	Rosemary Atieno, Farmer	Tarasaa Village
206.	Anyango Alex, Farmer	Tarasaa Village
207.	Caren Ogada, Farmer	Tarasaa Village
208.	Betty Akinyi, Farmer	Tarasaa Village
209.	Ruth Ogola, Farmer	Tarasaa Village
210.	Celina Awino, Farmer	Tarasaa Village
211.	Leah Dhaifu, Farmer	Tarasaa Village
212.	Moses Chabwore, Farmer	Ngao Village
213.	Musa G. Omara, Farmer	Ngao Village
214.	Tola M. Buko, Farmer	Ngao Village
215.	Richard Oketch, Farmer	Ngao Village
216.	Kerua N. Bonaya, Farmer	Ngao Village
217.	Roseline A. Haoda, Farmer	Ngao Village
218.	Samson Kipungu, Farmer	Ngao Village
219.	Kangwana Watate, Farmer	Tarasaa Village
220.	Buko S. Maneno, Teacher	Ngao Village
221.	Mutemi Nzoka, Farmer	Ngao Village
222.	Malaki T. Jilo, Farmer	Ngao Village
223.	Ainike C. Subo, Farmer	Ngao Village
224.	James Shari, Teacher	Ngao Village
225.	Subo Konora, Teacher	Ngao Village
226.	M. Kamale Buya, Teacher	Ngao Village
227.	Ernest Kirage, Extension officer	Ngao Village
228.	Raha M. Semi, Farmer	Ngao Village
229.	Tumaini W. Semi, Farmer	Ngao Village
230.	Betty K. Yefta, Farmer	Ngao Village
231.	Linah A. Yetta, Farmer	Ngao Village
232.	Louis H.K, Farmer	Ngao Village
233.	Bilhat A., Farmer	Ngao Village
234.	Zawanchi, Farmer	Marerren Village
235.	Omara M., Farmer	Ngao Village
236.	Ndwari, Farmer	Ngao Village
237.	Mata I. Farmer	Ngao Village
238.	Jillo Martin, Farmer	Ngao Village
239.	Mary Yahel, Farmer	Ngao Village
240.	Nelly M. Bonaya, Famer	Ngao Village
241.	Hurubvo M. Mkubfa, Farmer	Ngao Village
242.	Sylvano Maneno, Farmer	Ngao Village
243.	Madubi Martin, Farmer	Ngao Village
244.	Semi M. Shambaro, Farmer	Ngao Village
245.	Mary Wangoi, Farmer	Ngao Village
246.	Mary Akoth , Farmer	Tarasaa Village
247.	Magret Chila, Farmer	Tarasaa Village

248.	Benta Akinyi, Farmer	Tarasaa Village
249.	Nelly Semi, Farmer	Ngao Village
250.	Kenneth Gandaro, Town clerk	Oda Village
251.	Karisa Mwaro, Farmer	Tarasaa Village
252.	Moses M. karisa, Farmer	Tarasaa Village
253.	Kadzo Karisa, Farmer	Tarasaa Village
254.	Wande F. Jillo, Carpenter	Tarasaa Village
255.	Makorani R. Ruta, Farmer	Tarasaa Village
256.	Yahel Belesa, Farmer	Tarasaa Village
257.	Humphrey K. Galgalo, Clerk	Ngao Village
258.	Buya L. Jophrey, Farmer	Ngao Village
259.	Gwiyo Tola Joel, Farmer	Ngao Village
260.	Justin K. Kazungu, Musson	Magarini Village
261.	Maewa K. Kalasinga, Farmer	Ngao Village
262.	Maewa E. Napolion, Farmer	Ngao Village
263.	Bushena Albert, Farmer	Ngao Village
264.	Lance Salim K., Farmer	Ngao Village
265.	Lydia Hiribae, Farmer	Golbani Village
266.	Tomas Usho, Farmer	Ngao Village
267.	Victor Lomora, Farmer	Ngao Village
268.	Moses J. Ezekiel, Farmer	Ngao Village
269.	Kwanza Buya, Farmer	Ngao Village
270.	Mary H.M, Farmer	Ngao Village
271.	Rose M.S, Farmer	Ngao Village
272.	Seth M.W, Farmer	Ngao Village
273.	Seth Clara, Farmer	Ngao Village
274.	Mathew M., Farmer	Ngao Village
275.	Muni. G, Farmer	Ngao Village
276.	Domnic K.G, Farmer	Ngao Village
277.	Selimiti H.M, Farmer	Ngao Village
278.	Komora S.M, Farmer	Ngao Village
279.	Anny B., Farmer	Ngao Village
280.	Aliela M. Farmer	Tarasaa Village
281.	Shadrack Falama, Farmer	Ngao Village
282.	Henok O.R, Farmer	Tarasaa Village
283.	Simon M.K, Farmer	Tarasaa Village
284.	Luis M.K, Farmer	Tarasaa Village
285.	Emilly M.G, Farmer	Ngao Village
286.	Lawi G., Farmer	Tarasaa Village
287.	Florence Chengo, Farmer	Tarasaa Village
288.	Augustina N. B, Farmer	Ngao Village
289.	Tei N. T, Farmer	Ngao Village
290.	Alkon Manase, Farmer	Ngao Village
291.	Samwel Chenga, Farmer	Tarasaa Village
292.	Ngala Katana, Farmer	Dalu Village
293.	Bonaya Kakeny, Farmer	Ngao Village
294.	Bemesa Kadzomba, Farmer	Tarasaa Village
295.	Cheduda Changaya, Farmer	Tarasaa Village
296.	Vumilia Muye, Farmer	Tarasaa Village
297.	Festus Garama, Farmer	Tarasaa Village
298.	Dama Katana, Farmer	Ngao Village

299.	Magret Chngu, Farmer	Tarasaa Village
300.	Magret Charo, Farmer	Tarasaa Village
301.	Gress Matuki, Farmer	Tarasaa Village
302.	Kashutu Misanzu, Farmer	Tarasaa Village
303.	Purity Kahindi, Farmer	Tarasaa Village
304.	Haduyo Francis, Farmer	Tarasaa Village
305.	Joyce Kanan, Farmer	Ngao Village
306.	Emanuel Katana, Farmer	Tarasaa Village
307.	Rev. Amos K. Charo, Farmer	Tarasaa Village
308.	Joseph Wario, Farmer	Ngao Village
309.	Emilie Harore, Farmer	Tarasaa Village
310.	Susana Manase, Farmer	Ngao Village
311.	Tona Kongwe, Farmer	Ngao Village
312.	Simon Hiribae, Farmer	Ngao Village
313.	Ehood M. Mamui, Farmer	Ngao Village
314.	Mikah H. Manga, Farmer	Ngao Village
315.	Charles Buya, Farmer	Tarasaa Villge
316.	Abishag A. Hang, Farmer	Ngao Village
317.	Andrew S. Bonya , Famer	Ngao Village
318.	Mohamed K. Maro, Staff	Ngao Village
319.	Matandua Matola, Farmer	Ngao Village
320.	Jule M. Matuka, Farmer	Ngao Village
321.	Robert Buya, Farmer	Tarasaa Village
322.	Ressa A. Manga, Farmer	Ngao Village
323.	John Gona, Farmer	Tarasaa Village
324.	Gedeon K. Daido, Teacher	Tarasaa Village
325.	Gala galo Salma, Farmer	Ngao Village
326.	Jato Bahati, Farmer	Ngao Village
327.	Eunice D. Buya, Farmer	Tarasaa Village
328.	Patrick M. Charo, Business man	Tarasaa Village
329.	Lilian F. Karisa, Farmer	Mid Village
330.	Josephine Komora, Farmer	Tarasaa village
331.	Emma John, Farmer	Tarasaa Village
332.	Renata H. Azaria, Farmer	Ngao Village
333.	Leah Chadhoro, Farmer	Ngao Village
334.	Prisca L. Daniel, Farmer	Ngao Village
335.	Matatia M.Hashala, Farmer	Ngao Village
336.	Eunice N. Paul, Farmer	Ngao Village
337.	Bladina M. kanuni, Farmer	Ngao Village
338.	Rachel M. Makiso, Farmer	Ngao Village
339.	Paulina N. Komora, Farmer	Ngao Village
340.	Collins B. Yonani, Farmer	Ngao Village
341.	Clara B. Yonani, Farmer	Ngao Village
342.	Yemimah Yonani, Farmer	Ngao Village
343.	Sala M. Mwanakera, Farmer	Ngao Village
344.	Susan B. Anderson, Farmer	Ngao Village
345.	Eliud F. Jipe, Farmer	Ngao Village
346.	James B. Daido, Farmer	Ngao Village
347.	Datan O. Jillo, Farmer	Ngao Village
348.	Robson Safari, Farmer	Ngao Village
349.	Melekka Barmaba, Farmer	Ngao Village

350.	Ben Maneno, Farmer	Tarasaa Village
351.	Allan Odisa, Farmer	Tarasaa Village
352.	Mikal Habuko, Farmer	Tarasaa village
353.	Marko K.B, Farmer	Ngao Village
354.	Lona Abegerera, Farmer	Ngao Village
355.	Christine H. Madu, Farmer	Ngao Village
356.	Mamudi G. Maneno, Farmer	Ngao Village
357.	Jonathan Bonaya, Farmer	Ngao Village
358.	Faulata B.B, Farmer	Ngao Village
359.	Nickson S.D, Farmer	Ngao Village
360.	Pauline H. Maneno, Farmer	Ngao Village
361.	Salome Nagorombi, Farmer	Ngao Village
362.	Pauline H.Zaphanias, Farmer	Ngao Village
363.	Nthun Abithud, Farmer	Ngao Village
364.	Heremine A. Wandu, Farmer	Ngao Village
365.	Yemima M. Noti, Farmer	Ngao Village
366.	Eva D. Kivotsi, Farmer	Ngao Village
367.	Magea V. Mkevagina, Farmer	Ngao Village
368.	Maurine H. Daniel, Farmer	Ngao Village
369.	Madubi Milra, Farmer	Ngao Village
370.	B.W Mzogolo, Community worker	Ngao Village
371.	Matilda Abed Nego, Community worker	Ngao Village
372.	Valentine Ngori, community worker	Ngao Village
373.	Asser Maewa N., Community worker	Ngao Village
374.	Levy N. Bullu, Community worker	Ngao Village
375.	Ruth Jullo, Community worker	Ngao Village
376.	Komesha K. Mkal, Community worker	Ngao Village
377.	Ronald H. Kaleb, Community worker	Ngao Village
378.	Stephene L. Kapan, Community worker	Ngao Village
379.	Naomi W. Habona, Community worker	Tarasaa Village
380.	Yunis M. Alex, Community	Tarasaa Village
381.	Amina Makidad, Community worker	Tarasaa Village
382.	Sara B. Obed, Community worker	Ngao Village
383.	Verna M. Jimajo, community worker	Ngao Village
384.	Lydia Bonaya, Community worker	Ngao Village
385.	Francis Bonaya Tumaini, Community worker	Ngao Village
386.	Matilda S. Buya, Peasant farmer	Tarasaa Village
387.	Mikali D. Kofa, Community worker	Ngao Village
388.	Yese Matufi, Community worker	Ngao Village
389.	Yuda Manga, Community worker	Ngao Village
390.	Buko D. Mark, Farmer	Ngao Village
391.	Hance J. Komora, Farmer	Ngao Village
392.	Baritsaba Hamana, Farmer	Ngao Village
393.	Grace Gudina, Farmer	Ngao Village
394.	Ahagi Makorau, Farmer	Ngao Village
395.	Sena Shari, Farmer	Ngao Village
396.	Yezina Uruji, Farmer	Ngao Village
397.	Abedinego Matias, Farmers	Ngao Village
398.	Silaha Yaend, Farmer	Ngao Village
399.	Nathaniel Gomo, Farmer	Ngao Village
400.	Isaya M. Mamudi, Farmer	Ngao Village

401.	Clara Moroni, Farmer	Ngao Village
402.	Mamboleo Mikaya, Farmer	Ngao Village
403.	Kaiba K. Gudana, Farmer	Ngao Village
404.	Peter H. Gwiyo, Farmer	Ngao Village
405.	Buko M. Bonaya, Farmer	Ngao Village
406.	Francis J. Sem, Farmer	Ngao Village
407.	Bhati E. Joshua, Farmer	Ngao Village
408.	Kear Oresmo, Farmer	Ngao Village
409.	Nicholas Konona, Farmer	Ngao Village
410.	Martha M. Mungata, Farmer	Ngao Village
411.	Alice N. mahamu, Farmer	Ngao Village
412.	Michael H Mamboleo, Farmer	Ngao Village
413.	Chang Tofilo, Farmer	Ngao Village
414.	Rahew Henoli, Farmer	Tarassa
415.	Koroso Gideon, Farmer	Ngao Village
416.	Zilipa Aramu, Farmer	Ngao Village
417.	Suleiman M., Farmer	Ngao Village
418.	Ziporah H. K., Farmer	Ngao Village
419.	Stephen Hiribae, Farmer	Ngao Village
420.	Simon D. K., Farmer	Ngao Village
421.	P. Wande, Farmer	Ngao Village
422.	Steven G. Gwiyo, Farmer	Ngao Village
423.	Agaa K. Jillo, Farmer	Ngao Village
424.	Badil F. S., Farmer	Ngao Village
425.	Jonathan K., Farmer	Ngao Village
426.	Charo K. Kahindi, Farmer	Ngao Village
427.	Jackson B., Farmer	Ngao Village
428.	Kahelu E. Chabwore, Farmer	Ngao Village
429.	Hosea K. Kolde, Farmer	Ngao Village
430.	Kaleb H. Johnson, Farmer	Ngao Village
431.	Timayo M. Mathius, Farmer	Ngao Village
432.	Maroni Joseph, Farmer	Tarassa Village
433.	Beatrice M. Guyo, Farmer	Ngao Village
434.	Antony Petua K., Farmer	Tarassa Village
435.	Nahason B Kimura, Farmer	Ngao Village
436.	Zablaon A. Alfayo, Farmer	Ngao Village
437.	Lazaro W. Koroso, Farmer	Tarassa Village
438.	Japhet Gwiyo, Farmer	Tarassa Village
439.	Jobo Jillo, Farmer	Ngao Village
440.	Yemuel Bonaya, Farmer	Tarassa Village
441.	David Magasan, Farmer	Tarassa Village
442.	Elida Gwiyo, Farmer	Tarassa Village
443.	Light K. Komora, Farmer	Ngao Village
444.	Julia E. Bahati, Farmer	Tarassa Village
445.	Daniel Manga, Farmer	Ngao Village
446.	Perpetua T. Wande, Farmer	Ngao Village
447.	Tsekea T Wande, Farmer	Ngao Village
448.	Phylis M. Gwiyo, Farmer	Ngao Village
449.	Leah M. Jolli, Comm.	Ngao Village
450.	Mwajuma Yese, Comm.	Ngao Village
451.	Nelly k. Yona, Comm.	Ngao Village

452.	Yona K. Komora, Comm.	Ngao Village
453.	Yehu m. Yoram, Comm.	Ngao Village
454.	Enes T Makondeni, Comm.	Ngao Village
455.	Elizabeth K. K., Comm.	Ngao Village
456.	Luhuma Yedida, Teacher	Ngao Village
457.	Amuma Dullu, Comm.	Ngao Village
458.	Jenifer silaha, Comm.	Ngao Village
459.	Yaendi J. Abag, Comm.	Ngao Village
460.	Abihael H. Joashi, Comm.	Ngao Village
461.	Ipu A chadhoru, Comm.	Ngao Village
462.	Saimon C. Katana, Comm.	Ngao Village
463.	Naomi K. Fanjua, Comm.	Ngao Village
464.	Yunia K. Chimea, Comm.	Ngao Village
465.	Hana N. Daido, Comm.	Tarassa Village
466.	Agnes B. Gredina, Comm.	Ngao Village
467.	Sera H. Wandu, Comm.	Tarassa Village
468.	Pauline H. Simei, Comm.	Ngao Village
469.	Joe A. Manga, Farmer	Ngao Village
470.	Celina M. Wandu, Student	Ngao Village
471.	Elizabeth Robert, Farmer	Ngao Village
472.	Beth Habuya, Farmer	Ngao Village
473.	Mary S. J., Farmer	Tarassa Village
474.	Haoda R. M., Farmer	Ngao Village
475.	Kezia H N, Farmer	Tarassa Village
476.	Joshua A., Farmer	Ngao Village
477.	Ida O., Business	Tarassa Village
478.	Hiribae M., Business	Ngao Village
479.	Harufa J., Farmer	Tarassa Village
480.	Buko Maneno, Farmer	Ngao Village
481.	Elida D., Farmer	Tarassa Village
482.	William S. M., Farmer	Ngao Village
483.	Vemida H. D., Farmer	Ngao Village
484.	Hezekiah Syrack, Farmer	Ngao Village
485.	Thomas H. Ibrahim, Farmer	Ngao Village
486.	Jillo A. Martin, Farmer	Ngao Village
487.	Tabman, Farmer	Ngao Village
488.	Zakalia D., Farmer	Ngao Village
489.	Nathaniel G. Mwanijiwa, Farmer	Ngao Village
490.	Fanuel Bonaya, Farmer	Tarassa Village
491.	Richard S. Maneno	Ngao Village
492.	Tomson Maneno, Pastor	Tarassa Village
493.	Elly P. Nkadua, Farmer	Tarassa Village
494.	Hezekiah Hamena, Farmer	Tarassa Village
495.	Syluano Komora, Farmer	Ngao Village
496.	Isaya R. Theophilo, Farmer	Golbant Village
497.	Zeresh H. Mamboleo, Farmer	Ngao Village
498.	Mathews K Charo, Farmer	Ngao Village
499.	Dugu J. Wario, Farmer	Ngao Village
500.	Martin C. Nkubfa, Farmer	Ngao Village
501.	Syrack M. Gwiyo, Farmer	Ngao Village
502.	Bonaya K. Thophilus, Farmer	Ngao Village

503.	Hulda H. Koros, Farmer	Ngao Village
504.	Konyora Y. William, Farmer	Ngao Village
505.	Enos B. Zephaniah, Farmer	Ngao Village
506.	Gladys L. Joash, Farmer	Ngao Village
507.	Yemima H. Sango, Farmer	Ngao Village
508.	Buko Kivanzo, Farmer	Ngao Village
509.	Tumaini W. Shambaro, Farmer	Ngao Village
510.	Asser M. Nkubva, Farmer	Ngao Village
511.	Rhoda h. Manase, Farmer	Ngao Village
512.	Rahab M. Gwiyo, Farmer	Ngao Village
513.	Milka Mkolotwa, Farmer	Ngao Village
514.	Bashora Bonaya B., Farmer	Ngao Village
515.	Tola K. Jillo, Farmer	Ngao Village
516.	Neli M. Buko, Farmer	Tarassa Village
517.	Heremine A. Yaendi, Farmer	Ngao Village
518.	Joslin M. Unda, Farmer	Ngao Village
519.	Peterson T. Anderson, Farmer	Kanisa Maro Ngao Village
520.	Rachel Daniel, Farmer	Ngao Village
521.	Buko Ali, Farmer	Tarassa Village
522.	Noor I. Munongera, Farmer	Tarassa Village
523.	Rehema R. Makorani, Farmer	Ngao Village
524.	Sidi Makwaya, Farmer	Chara Village
525.	Elizabeth H. Galole, Farmer	Tarassa Village
526.	Julia M. Steven, Farmer	Tarassa Village
527.	Simion M. Henock, Farmer	Tarassa Village
528.	Yusuf Andreyra, Farmer	Tarassa Village
529.	B. Hamena, Farmer	Tarassa Village
530.	Janet N. Khonde, Farmer	Ngao Village
531.	Scolastica Kio Kiyomo	Ngao Village
532.	Ruth R. Sala, Farmer	Ngao Village
533.	Julie H. Komora, Farmer	Ngao Village
534.	Lydia B. Mikaya, Farmer	Ngao Village
535.	Rahal Abagerera, Farmer	Ngao Village
536.	Fibe Dadda, Farmer	Ngao Village
537.	Josephine A. Caleb, Farmer	Ngao Village
538.	Macklilian Kenga, Farmer	Tarassa Village
539.	Marha W. Gudina, Farmer	Ngao Village
540.	Zua K. Stephen, Farmer	Ngao Village
541.	Kanze N. Hinzano, Farmer	Ngao Village
542.	John W. Jibo, Farmer	Ngao Village
543.	Buko Komora, Farmer	Ngao Village
544.	Haigwo A. Komora, Farmer	Ngao Village
545.	Komora Johnathan, Farmer	Ngao Village
546.	Evelyn Menue, Farmer	Ngao Village
547.	Jillo M. Tlisho, Farmer	Ngao Village
548.	John K. Adirobwa, Farmer	Ngao Village
549.	Fesio B. Dema, Farmer	Ngao Village
550.	Collen Bonaya, Farmer	Ngao Village
551.	J. C. Yaendi, Farmer	Ngao Village
552.	G. M. Chadhor, Farmer	Ngao Village
553.	Konmora M., Farmer	Ngao Village

554.	Busaza Kongwe, Farmer	Ngao Village
555.	Amuma mkolotwa, Farmer	Ngao Village
556.	Cosmas A. Komora, Farmer	Ngao Village
557.	A. M. Bwashehe, Farmer	Ngao Village
558.	Daniel Manga, Farmer	Ngao Village
559.	Wyclffe Bonaya, Farmer	Ngao Village
560.	Samuel Boney, Farmer	Ngao Village
561.	Lawi Duda, Meza Engineer	Ngao Village
562.	Esther Nankuni, Farmer	Ngao Village
563.	Dalington D., Farmer	Ngao Village
564.	Stephen Haron, Farmer	Ngao Village
565.	Bonaya Abagerera, Farmer	Ngao Village
566.	Bwashehe Suleiman, Farmer	Ngao Village
567.	Abayas Abdalla, Farmer	Chamwa Village
568.	Rehema Amos, Farmer	Laini Village
569.	Merisha Semi, Farmer	Laini Village
570.	Dorcas Ame, Farmer	Ngao Village
571.	Thomas Kenga, Farmer	Ngao Village
572.	Asaph, Farmer	Ngao Village
573.	Monicah Tumaini, Farmer	Ngao Village
574.	Buduko Jillo, Farmer	Ngao Village
575.	Uza Namkovu, Farmer	Ngao Village
576.	Wafula Mnyore, Farmer	Ngao Village
577.	Hiribae Asser, Farmer	Ngao Village
578.	Irene Hiribae, Farmer	Ngao Village
579.	Vincent Ely, Farmer	Ngao Village
580.	Verna H Seth, Farmer	Ngao Village
581.	Milka Assor, Farmer	Ngao Village
582.	Rachael Chikanda, Farmer	Ngao Village
583.	John H. Kumala, Farmer	Ngao Village
584.	Dado Gwiyo, Farmer	Ngao Village
585.	John K. Katana, Farmer	Ngao Village
586.	John Y. Haro, Farmer	Tarassa Village
587.	Abdu Mughana, Farmer	C/muma Village
588.	Johnstone K. Gwiya, Farmer	Marembo Village
589.	Weyama I. Bonaya, Farmer	Ngao Village
590.	Rollm Barasa, Farmer	Ngao Village
591.	Milka H. Mtetemo, Farmer	Ngao Village
592.	Betty Y. Milima, Farmer	Ngao Village
593.	Leah K. Bonaya, Farmer	Ngao Village
594.	Solomon B. Komora, Farmer	Ngao Village
595.	Faustina B. Deborah, Farmer	Ngao Village
596.	Kapune Diana, Farmer	Ngao Village
597.	Evlina M. Maduga, Farmer	Ngao Village
598.	Eunice N. Sally, Farmer	Ngao Village
599.	Milka D Sala, Farmer	Ngao Village
600.	Naomi K. Elija, Farmer	Ngao Village
601.	Haoda R. Ezekiel, Farmer	Ngao Village
602.	Gloria Kamale, Farmer	Ngao Village
603.	Jacob Wahoye, Farmer	Kibusu Village
604.	Hope H. Sango,	Ngao Village

605.	Madfimbo m. Hakoshoro, Farmer	Ngao Village
606.	Clement Linu, Farmer	Kibusu Village
607.	Flora M. Ippu, Farmer	Ngao Village
608.	Matilde Jillo, Farmer	Ngao Village
609.	Busaka Salomo, Farmer	Ngao Village
610.	Hiyett Milka, Farmer	Ngao Village
611.	Mora Koroso, Farmer	Ngao Village
612.	Malika John, Farmer	Ngao Village
613.	Ali Kudani, Farmer	Semikaro Village
614.	Enoch Balesa, Farmer	Tavesota Village
615.	Emily Gidion, Farmer	Tarassa Village
616.	Loice Barisa, Farmer	Tarassa Village
617.	Esther Wario, Farmer	Ngao Village
618.	Jarvia Jara, Farmer	Ngao Village
619.	Frank Jara, Farmer	Ngao Village
620.	Lydia Soye, Farmer	Ngao Village
621.	Soye Komora, Farmer	Ngao Village
622.	Umuu Komora, Farmer	Ngao Village
623.	Halagha Komora, Farmer	Ngao Village
624.	Bladina, Farmer	Tarassa Village
625.	Maridadi, Farmer	Tarassa Village
626.	Awadh S. Tambo, Farmer	Semikaro Village
627.	Lioton Phares, Farmer	Tarassa Village
628.	Jarvis J. Yehu, Farmer	Ngao Village
629.	Martha H. Philip, Farmer	Ngao Village
630.	Abdalla H. Amuma, Farmer	Chamwanamama Village
631.	Mohamed s. Amuma, Farmer	Chamwanamama Village
632.	Abas said ali, Farmer	Chamwanamama Village
633.	Dama Odha Hiribae, Farmer	Chamwanamama Village
634.	Wario Ali Hiribae, Farmer	Chamwanamama Village
635.	Simeon Daudi, Farmer	Chamwanamama Village
636.	John Nicodemus, Farmer	Chamwanamama Village
637.	Masha Julius, Farmer	Chamwanamama Village
638.	Fidia Samueli, Farmer	Ngao Village
639.	Charles Tomayo, Farmer	Ngao Village
640.	Hadulu Hosea, Farmer	Ngao Village
641.	Haluva H. Malibe, Teacher	Ngao Village
642.	Loyce Johnson, Teacher	Galili Village
643.	Janet ihoya, Teacher	Galili Village
644.	Pauline H. Theophilos, Lab. Assistant	Ngao Village
645.	Mohamed O. Abdalla,	Chara village
646.	Gwiyo Mikaya, Teacher	Ngao Village
647.	Kazungu Jafe, Farmer	Ngao Village
648.	Omar A. Jillo, Elder, Farmer	Chara Village
649.	Boba Ashako, Elder, Farmer	Odole Village
650.	Abelom barisa, Farmer	Chara Village
651.	Bwanaisa Ali, Farmer	Chara Village
652.	Omar B. Butis, Farmer	Chara Village
653.	Kadzo N. Kina, Farmer	Ngao Village
654.	Harus galugalu, Farmer	Ngao Village
655.	Elly C. Matolo, Farmer	Ngao Village

656.	Liza H. Matolo, Farmer	Ngao Village
657.	Kezian Falama, Farmer	Ngao Village
658.	Disha N. Kanana, Farmer	Ngao Village
659.	Hadia Z. Jara, Farmer	Siz Mikaro Village
660.	Siezra V. Bonaya, Farmer	Tarasaa Village
661.	Naula M. Galama, Farmer	Siez Mikaro Village
662.	Halako Omar, Farmer	Siez Mikaro Village
663.	Zainab L. Saida, Farmer	Siez Mikaro Village
664.	Fatuma Baigari, Farmer	Siez Mikaro Village
665.	Mwanamisi Said, Farmer	Siez Mikaro Village
666.	Mwanadir Laielis, Farmer	Siez Mikaro Village
667.	Chimea Martin, Farmer	Ngao Village
668.	Jib Jilloh, Farmer	Ngao Village
669.	Elizabeth Kengam, Farmer	Ngao Village
670.	Swegman Akisa, Farmer	Ngao Village
671.	Goldina Dina, Farmer	Ngao Village
672.	Yunia Hameli, Farmer	Ngao Village
673.	Dorothea Komora, Farmer	Ngao Village
674.	Dalina Dugure, Farmer	Ngao Village
675.	Agnes Dama, Farmer	Ngao Village
676.	Ahim Sango, Farmer	Ngao Village
677.	Merry Harrison, Farmer	Galili Village
678.	Harry Jilloh, Farmer	Ngao Village
679.	Hannah Bandel, Farmer	Ngao Village
680.	Joy Noah, Farmer	Ngao Village
681.	Merry Gona, Farmer	Tarasaa Village
682.	Serra Assor, Farmer	Tarasaa Village
683.	Hadija Hiribae, Farmer	Nduru Village
684.	Jabbu Abdallah, Farmer	Nduru Village
685.	Maimuna Haodo, Farmer	Nduru Village
686.	Mwanamtitu Omar, Farmer	Semikaro Village
687.	Komora Bonaya, Farmer	Ngao Village
688.	Agnes B. Ezira, Farmer	Ngao Village
689.	Winnie Lydia, Farmer	Ngao Village
690.	Kolde M. Chimea, Farmer	Ngao Village
691.	Elizabeth Mutuwa, Farmer	Ngao Village
692.	Hajila N. Buko, Farmer	Ngao Village
693.	Naomi Mwanamawe, Farmer	Ngao Village
694.	Patience M. Harison, Farmer	Ngao Village
695.	Perry B. Marting, Farmer	Ngao Village
696.	Zilpha H. Asori, Farmer	Ngao Village
697.	Marting O. Buya, Farmer	Ngao Village
698.	Mary H. Syrack, Farmer	Ngao Village
699.	Eda M. David, Farmer	Ngao Village
700.	Jinkins Bolinya, Farmer	Ngao Village
701.	Philip M. Dsekea, Farmer	Ngao Village
702.	Ennie M. Mamudi, Farmer	Ngao Village
703.	Salama Henderson, Farmer	Ngao Village
704.	Emelda Mungatana, Farmer	Ngao Village
705.	Hagerera B. Isaya, Farmer	Ngao Village
706.	Lydia N. Robert, Farmer	Ngao Village

707.	Abalwon B. Elisha, Farmer	Ngao Village
708.	Blandwa Uruji, Farmer	Ngao Village
709.	Selina S. Benaya, Farmer	Ngao Village
710.	Gwolu Maria, Farmer	Ngao Village
711.	Addah K. Arisai, Farmer	Ngao Village
712.	Chadhoru N. Frere, Farmer	Ngao Village
713.	Mary Sango, Farmer	Ngao Village
714.	Clerk Karisa, Farmer	Ngao Village
715.	Brighton E. Enos, Farmer	Ngao Village
716.	Harufa Komora, Farmer	Ngao Village
717.	Moses Samuel, Farmer	Ngao Village
718.	Galugalu Kongwe, Farmer	Ngao Village
719.	Harison Gwiyo, Farmer	Ngao Village
720.	Rosina Haoda, Farmer	Ngao Village
721.	Betty Chaddhoru, Farmer	Ngao Village
722.	Quintusa Talios, Farmer	Tarasaa Village
723.	Jacinta Gwiyo, Farmer	Ngao Village
724.	Benson Gwiyo, Farmer	Ngao Village
725.	Malipiano Daniel, Farmer	Laini Village
726.	Rukia S. Komora, Farmer	Chara Village
727.	Kaimi M. Mwao, Farmer	Ngao Village
728.	Mwanaharusi H. Mohamed, Farmer	Semikaro Village
729.	Ghamiasuro Mwabaru, Farmer	Semikaro Village
730.	Some Mite Ali, Farmer	Semikaro Village
731.	Nuru Mamboleo, Farmer	Semikaro Village
732.	Jullie Hagodana, Farmer	Ngao Village
733.	Emma Assor, Farmer	Tarasaa Village
734.	Halidya Saidi, Farmer	Semikaro Village
735.	Luwali Ngala, Farmer	Mlimani Villge
736.	Mainan Ndumari, Farmer	Ngao Village
737.	Jackson Makumbi, Farmer	Golberty Village
738.	Mwaharusi Ali, Farmer	Semikaro Village
739.	Verna Hajaro, Farmer	Ngao Village
740.	Oscar Sammy, Farmer	Golberty Village
741.	Zilpa Veronica, Farmer	Golberty Village
742.	Fatuma Birisa, Farmer	Semikaro Village
743.	Juleta Asser, Farmer	Ngao Village
744.	Faith Mohamed, Farmer	Ngao Village
745.	David Bonaya, Farmer	Tarasaa Village
746.	Nathaniel Buya, Farmer	Ngao Village
747.	Komora Moses, Farmer	Ngao Village
748.	Mwanajuma Hashuka, Farmer	Semikaro Village
749.	Mwanahamisi Gafo, Farmer	Semikaro Village
750.	Francis Kana, Farmer	Ngao Village
751.	Hagodana Bonaya, Farmer	Ngao Village
752.	Andrew Bonaya, Farmer	Ngao Village
753.	Andrew Kumba, Farmer	Oda Village
754.	Joseph Kahindi, Farmer	Milimani Village
755.	Gladys Joseph, Farmer	Milimani Village
756.	Grace Joseph, Farmer	Milimani Village
757.	Noliah K. Kithinji, Farmer	Semikaro Village

758.	Mwanamtiri S. Matoto, Farmer	Semikaro Village
759.	Peter Balesa, Farmer	Ngao Village
760.	Zaitun Mumbo, Farmer	Gilberty Village
761.	Naomi Badoah, Farmer	Ngao Village
762.	J.B Mketta, Farmer	Galili Village
763.	Margaret Mketta, Farmer	Galili Village
764.	Tabu Jackson, Farmer	Galili Village
765.	Benson Kazungu, Farmer	Galili Village
766.	Dama Wanje, Farmer	Galili Village
767.	Ruth Dama, Farmer	Galili Village
768.	Esta Madawa, Farmer	Laini Village
769.	Mwanahamisi Salim, Farmer	Laini Village
770.	Joyce Majimbo, Farmer	Laini Village
771.	Sophy M. Caleb, Farmer	Ngao Village
772.	Lily H. Mwanyswa, Farmer	Ngao Village
773.	Milka M Bonaya, Farmer	Ngao Village
774.	Mohamed Guyo, Farmer	Chara Village
775.	Mewa David, Farmer	Ngao Village
776.	Boniface Koroso, Farmer	Ngao Village
777.	Eunice Komora, Farmer	Ngao Village
778.	Richard Walakisa, Farmer	Ngao Village
779.	Jilo Manase, Farmer	Tarasaa Village
780.	Naomi Odengo, Farmer	Ngao Village
781.	Ruth Abajilah, Farmer	Tarasaa Village
782.	Magdalin Abajilah, Farmer	Tarasaa Village
783.	Christine Moroni, Farmer	Tarasaa Village
784.	Malika Bonaya, Farmer	Ngao Village
785.	Godayaya Moses, Farmer	Ngao Village
786.	Ema Moses, Farmer	Ngao Village
787.	Malika John, Farmer	Ngao Village
788.	Fatuma Moses, Farmer	Ngao Village
789.	Sidi Kipenda, Farmer	Galili Village
790.	Loice Kahindi, Farmer	Galili Village
791.	Sidi Ngala, Farmer	Galili Village
792.	Kahinda Kahindi, Farmer	Galili Village
793.	Mikali Daniel, Farmer	Ngao Village
794.	David Komora Yesse, Farmer	Ngao Village
795.	Kigembe Albert, Farmer	Ngao Village
796.	Emanuel Geremia, Farmer	Golbant Village
797.	Elizabeth Joseph, Farmer	Ngao Village
798.	Hajilo Gafo, Farmer	Golbant Village
799.	Rehema Gwiyo, Farmer	Tarasaa Village
800.	Jane Omera, Farmer	Ngao Village
801.	Wilson Buya, Farmer	Maziwa Village
802.	Ester Komora, Farmer	Ngao Village
803.	Ngumbao Kambio, Fisherman	Ngao Village
804.	Muweza Israel, Farmer	Ngao Village
805.	Smith Bonaya, Farmer	Ngao Village
806.	Saini Anderson, Farmer	Ngao Village
807.	Joseph Amuma, Farmer	Ngao Village
808.	John galugalu, Farmer	Ngao Village

809.	Fatuma Yamalok, Farmer	Chamwanam Village
810.	Leah Manga, Farmer	Ngao Village
811.	Mary Buya, Farmer	Ngao Village
812.	Joshua Hiribae, Farmer	Golbanti Village
813.	Halima Mohamed, Farmer	Tarasaa Village
814.	Bonaya Owara, Farmer	Ngao Village
815.	Julie Anderson, Farmer	Ngao Village
816.	Samwel Bonaya, Teacher	Ngao Village
817.	Susan Komora, Farmer	Ngao Village
818.	Julie Syrack, Farmer	Ngao Village
819.	Sammy T. Daido, Farmer	Ngao Village
820.	Z. Makdii, Farmer	Ngao Village
821.	Abdula Galgalo, Farmer	Kipo Village
822.	Omar Hamisi, Farmer	Chamwanamuma Village
823.	Ali Hiribae, Farmer	Chamwanamuma Village
824.	Kalu Mechirume, Pastoralist	Ngao Village
825.	Matatia Nyota, Farmer	Ngao Village
826.	Philemon Salmon, Farmer	Ngao Village
827.	Mara David, Farmer	Ngao Village
828.	Karisa Katana, Farmer	Mlimani Village
829.	David Tanunu, Councillor	Ngao Village
830.	Samwel Angore, Farmer	Mlimani Village
831.	Bwo Yayako, Farmer	Tarasaa Village
832.	Hassan Mohamen, Farmer	Tarasaa Village
833.	Matatia Hashala, Farmer	Ngao Village
834.	Esta Nekodemo, Farmer	Ngao Village
835.	Kadii Karisa, Farmer	Mlimani Village
836.	Elizabeth Samwel, Farmer	Mlimani Village
837.	Matania Moses, Farmer	Tarasaa Village
838.	Isaiah Bonaya, Farmer	Ngao Village
839.	Alice Badoah, Farmer	Ngao Village
840.	James Badah, Farmer	Ngao Village
841.	Mariam Mazuri, Farmer	Tarasaa Village
842.	Safari Katana, Farmer	Tarasaa Village
843.	Mbogo Konde, Farmer	Tarasaa Village
844.	Juliet Michael, Farmer	Oda Village
845.	Sammy Taabu, Farmer	Tarassa Village
846.	Kupata Tabu, Farmer	Tarassa Village
847.	Elvis Tabu, Farmer	Tarassa Village
848.	Mary charo, Farmer	Galili Village
849.	Docus Jillo, Farmer	Golbant Village
850.	Linah hezekiel, Farmer	Golbant Village
851.	Leah Abio, Farmer	Golbant Village
852.	Rodah Msafiri, Farmer	Golbant Village
853.	Yemma William, Farmer	Golbant Village
854.	Hainike Said, Farmer	Golbant Village
855.	Dishan Amoj, Farmer	Golbant Village
856.	Irine Baiba, Farmer	Golbant Village
857.	Naoni Isaya, Farmer	Golbant Village
858.	Koshi Galole, Farmer	Golbant Village
859.	Habwoya Jilloh, Farmer	Golbant Village

860.	Ali Yusuf, Farmer	Chanamwamama Village
861.	Eunice Bahati, Farmer	Milimani Village
862.	Mary Joel, Farmer	Golbant Village
863.	Margaret H. Ezekiel, Farmer	Ngao Village
864.	Esha Bakari, Farmer	Chanamwamama Village
865.	Fatuma O. Kiundan, Farmer	Chanamwamama Village
866.	Matunda Evans, Farmer	Laini Village
867.	Monicah Aboi, Farmer	Laini Village
868.	Beatrice Chepkorir, Farmer	Ngao Village
869.	Esther M. Jillo, Farmer	Ngao Village
870.	Changawa K. Chali, Farmer	Tarassa Village
871.	Mary Kitsao, Farmer	Milimani Village
872.	Agnes N. Kahindi, Farmer	Milimani Village
873.	Mary Karissa, Farmer	Milimani Village
874.	Kavumba, Liwali, Farmer	Milimani Village
875.	Sidi Kahindi, Farmer	Milimani Village
876.	Karisa Kahindi, Farmer	Milimani Village
877.	Zawadi Kahindi, Farmer	Milimani Village
878.	Mohamed S. Sheru, Farmer	Semikaro Village
879.	Saidi, Hiribae, Farmer	Semikaro Village
880.	Donald H. Jillo, Farmer	Ngao Village
881.	Dauglas Jillo, Farmer	Ngao Village
882.	Janet jillo, Farmer	Odda Village
883.	Jane Jillo, Farmer	Odda Village
884.	Elizabeth Daido, Farmer	Ngao Village
885.	Elizabeth Kenga, Farmer	Tarassa Village
886.	Zacharia Dullu, Farmer	Ngao Village
887.	Hanah Mkagawa, Farmer	Ngao Village
888.	Kahindi Mkwamba, Farmer	Ngao Village
889.	Matulizo Daddah, Farmer	Ngao Village
890.	John Tollah, Farmer	Tarassa Village
891.	John D. Assa, Farmer	Tarassa Village
892.	Gilbert Mjirro. Farmer	Tarassa Village
893.	Jipe Eliud Jillo, Farmer	Ngao Village
894.	Jillo E. Balaka, Farmer	Ngao Village
895.	Trier Ndumari, Farmer	Ngao Village
896.	Vincent Bonaya, Farmer	Ngao Village
897.	Habuya Mashiloo, Farmer	Ngao Village
898.	Hadia Anno, Farmer	Ngao Village
899.	Kapline Garrisa, Farmer	Ngao Village
900.	Bonaya F. Shari, Farmer	Ngao Village
901.	Ehad Eddy, Farmer	Ngao Village
902.	John Buya, Farmer	Ngao Village
903.	Martha Koroso, Farmer	Ngao Village
904.	Jillo B. Komora, Farmer	Ngao Village
905.	Alfelti Ruben, Farmer	Golbant Village
906.	Berta Eliya, Farmer	Odda Village
907.	Raha B. Kakalala, Farmer	Odda Village
908.	Kelita Sammy, Farmer	Odda Village
909.	Heremine Samuel, Farmer	Odda Village
910.	Rose Michael, Farmer	Odda Village

911.	Milka Doctor, Farmer	Odda Village
912.	Diramu Bahola, Farmer	Odda Village
913.	Lydia Habuya, Farmer	Odda Village
914.	Elizabeth K. Simion, Farmer	Odda Village
915.	Hulda Ogola, Farmer	Odda Village
916.	Selina chikamba, Farmer	Odda Village
917.	Maria Chikanda, Farmer	Odda Village
918.	Rabecca Timona, Farmer	Odda Village
919.	Zawadi Manase, Farmer	Odda Village
920.	Martha Jackson, Farmer	Odda Village
921.	Mary Badili, Farmer	Ngao Village
922.	Mary Buko, Farmer	Golbant Village
923.	Isaac Joel, Farmer	Golbant Village
924.	Agnes J. Safari, Farmer	Tarassa Village
925.	Dama Charo, Farmer	Tarassa Village
926.	Fumo O. Kirimba, Farmer	Semikaro Village
927.	Abdalla Jero, Farmer	Semikaro Village
928.	Athman Saidi, Farmer	Semikaro Village
929.	Mhamed Omar, Farmer	Semikaro Village
930.	Katana K. Mbita, Farmer	Milimani village
931.	Changawa Kandenge, Farmer	Milimani village
932.	Johnathan C. Karisa, Farmer	Milimani village
933.	Dama K. Ngala, Farmer	Milimani village
934.	Abae S. Alii, Farmer	Chamwamuma Village
935.	Samakinda S. Manyonge, Farmer	Ngao Village
936.	Sylvano Gilberto, Farmer	Ngao Village
937.	Kadzo Kadzomba, Farmer	Tarassa Village
938.	Kadii Chengo, Farmer	Tarassa Village
939.	Kahindi Balози, Farmer	Gumba Village
940.	Barisa Elema, Farmer	Kipao Village
941.	Marry Harson, Farmer	Galili Village
942.	Muhaded Salim, Farmer	Odda Village
943.	Konora Moses, Farmer	Ngao Village
944.	Habona Kirungu, Farmer	Tarassa Village
945.	Hilda H. Amos, Farmer	Laini Village
946.	Bwanashehe Suleiman, Farmer	Ngao Village
947.	Esther Michael, Farmer	Laini Village
948.	Ambia Ali, Farmer	Dibe Village
949.	Zilper Philemon, Farmer	Tarassa Village
950.	Pretty Moses, Farmer	Odda Village
951.	Eunice Isaya, Farmer	Odda Village
952.	Mili Buko, Farmer	Odda Village
953.	Safari Katana, Farmer	Tarassa Village
954.	Ainike Vumilia, Farmer	Odda Village
955.	Habona Asaph, Farmer	Odda Village
956.	Paralina Tomas, Farmer	Odda Village
957.	Nancy B. Mpingu, Farmer	Odda Village
958.	Komora Subo, Farmer	Ngao Village
959.	Alice John, Farmer	Odda Village
960.	Merisha Johnathan, Farmer	Odda Village
961.	Katana Gudina, Farmer	Ngao Village

962.	Rachael Bonaya, Farmer	Ngao Village
963.	Imani Gudina, Farmer	Ngao Village
964.	Said Fazan, Farmer	Chamwanamuma Village
965.	Bw. Iddi Awadh, Farmer	Chamwanamuma Village
966.	Ali Kithule, Farmer	Chamwanamuma Village
967.	Mui Salim, Farmer	Chamwanamuma Village
968.	Abdalla Hiribae, Farmer	Chamwanamuma Village
969.	Mwanaharusi Hassan, Farmer	Chamwanamuma Village
970.	Amera Ali, Farmer	Chamwanamuma Village
971.	Hadija Hasan, Farmer	Chamwanamuma Village
972.	Guyathu Mohamed, Farmer	Chamwanamuma Village
973.	Mwanaharusi M. Omor, Farmer	Chamwanamuma Village
974.	Noor H. Madawa, Farmer	Chamwanamuma Village
975.	Zeinab Boot, Farmer	Chamwanamuma Village
976.	Halola N. Bocha, Farmer	Chamwanamuma Village
977.	Riziki H. John, Farmer	Tarassa Village
978.	Faith H. Bonaya, Farmer	Ngao Village
979.	Amina Suleiman, Farmer	Chamwanamuma Village
980.	Abdereman Makdak, Farmer	Chamwanamuma Village
981.	Joyce N. Lydia, Farmer	Ngao Village
982.	Mwanajuma Saida, Farmer	Chamwanamuma Village
983.	Esha Issa, Farmer	Chamwanamuma Village
984.	Esha Athman, Farmer	Semikaro Village
985.	Hamadara Madubi, Farmer	Semikaro Village
986.	Mwanamasi Ganana, Farmer	Semikaro Village
987.	Esha hamisi, Farmer	Semikaro Village
988.	Guyato Daidha, Farmer	Semikaro Village
989.	Omar G. Matoto, Farmer	Semikaro Village
990.	Aboud Baya, Farmer	Semikaro Village
991.	Mwanahamisi Kibiriti, Farmer	Semikaro Village
992.	Hamagomba jill, Farmer	Semikaro Village
993.	Said Mohamed, Farmer	Semikaro Village
994.	Faith Riziki, Farmer	Golbant Village
995.	Fatuma Dano, Farmer	Semikaro Village
996.	Mwanajuma Buya, Farmer	Semikaro Village
997.	Mwajuma Said, Farmer	Semikaro Village
998.	Rebecca Mariore, Farmer	Ngao Village
999.	Emily Nangombe, Farmer	Ngao Village
1000.	Lucy Nambede, Farmer	Ngao Village
1001.	Asaph Ndenge, Farmer	Ngao Village
1002.	Abagbrizra M., Farmer	Ngao Village
1003.	Mlina Karema, Farmer	Galili Village
1004.	Zilpa Safari, Farmer	Ngao Village
1005.	Emachabwore, Farmer	Ngao Village
1006.	Sammy Moses, Farmer	Ngao Village
1007.	Gadayaya Moses, Farmer	Ngao Village
1008.	Komora Chabwore, Farmer	Ngao Village
1009.	Fikiri Konde, Farmer	Tarassa Village
1010.	Menza Konde, Farmer	Tarassa Village
1011.	Furaha Mbogo, Farmer	Tarassa Village
1012.	Sisilia Johnathan, Farmer	Mlimani Village

1013.	David Katana, Farmer	Mlimani Village
1014.	Agnes Charo, Farmer	Mlimani Village
1015.	Grace Joseph, Farmer	Mlimani Village
1016.	Sera Daniel, Farmer	Mlimani Village
1017.	Nema Changawa, Farmer	Mlimani Village
1018.	Ruti Dama, Farmer	Galili Village
1019.	Kazdo Charo, Farmer	Mlimani Village
1020.	Kavumba Kenga, Farmer	Mlimani Village
1021.	Jumwa Kenga, Farmer	Mlimani Village
1022.	Goldina Bonaya, Farmer	Oda Village
1023.	Ndarama Samuel, Farmer	Oda Village
1024.	Jillo Kokani , Chairperson	Box 45 Tarasaa, Chara
1025.	Oddo Jillo Guyo, V/ Chairperson	Kone Mansa Village
1026.	Benjamin Maneno Dulu, Secretary	Ngao Village
1027.	Waithera Abajillo, A/Secretary	Wachu-Oda Village
1028.	Zainab Habona Buketa Treasurer	Kipao Village
1029.	Doyo Hiribae Wario, Member	Chara Village
1030.	Fatuma Gobu Kokane, Member	Kones-Mansa Village
1031.	Johnson Komora (Bishop) , Member	Ngao Village
1032.	Salim Jarso Wario , Member	Wachu-Oda Village
1033.	Said Juge , Member	Kipao Village
1034.	Fatuma K. Omar , Member	Chara Village
1035.	Madina Bruno , Member	Kone-Mansa Village
1036.	Kezia Daido , Member	Ngao Village
1037.	Idris Sigati , Member	Wachu-Oda Village
1038.	Ismael Boba Dadu, Member	Kipao Village
1039.	Abdalla Rhova Hiribae, Member	Chara Village
1040.	Komoro Kisa , Member	Kone -Mansa Village
1041.	Mamboleo Mikaya , Member	Ngao Village
1042.	Fares Jillo , Member	Wachu-Oda Village
1043.	Omari Shambaro , Member	Kipao Village
1044.	Dololo Hiribae , Member	Chara Village
1045.	Omar Ijema Bujaji , Member	Kone Mansa Village
1046.	David Umuru Bahola, Member	Ngao Village
1047.	Abdikadir Kokane , Member	Wachu-Oda Village
1048.	Kanchoru Barisa , Member	Wachu-Oda Village
1049.	Said Alango , Member	Chara Village
1050.	Mwanahamisi O. Hakalime	Chara Village
1051.	Joseph Owino Oduor , Member	Chara Village
1052.	Amina Bahola , Member	Chara Village
1053.	Rehema Mwanamawe , Member	Wachu- Oda Village
1054.	Salim Ndarama , Member	Chara Village
1055.	Assa A. Kobogeza , Interim Chairman, GSPF	Ngao Village
1056.	Justin N. Bonaya	Tuye Village
1057.	Solomo S. Komora	Ngao Village
1058.	Jackson Katana, Mzee Wa Vijiji	Mlimani Village
1059.	Jonathan B. Mketta	Galili Village
1060.	Joseph Kahindi, Mwenyekiti u	Mdogo Sungu Sungu
1061.	Luwali Ngala , Member	Mdogo Sungu Sungu
1062.	Tabu Jackson, Member	Mdogo Sungu Sungu
1063.	Loice Kahindi , Member	Mdogo Sungu Sungu

1064.	Gwiyo J.K.	Box 21, Garsen Tel. 0723231850
1065.	Mamboleo B. Mikaya	Ngao Village
1066.	Kear Mungatana	Ngao Village
1067.	Kaiba Gudina	Ngao Village
1068.	Isaac I. Amuma	Ngao Village
1069.	Bonaya K. Mikaya	Ngao Village
1070.	Rev. Francis Tumaini	Ngao Village
1071.	Rev. Shadrack Falama	Ngao Village
1072.	Pastor Daniel Masavi	Ngao Village
1073.	Komora S. Mwanahali	Ngao Village
1074.	Tuye Bonaya	Ngao Village
1075.	Asser Komora Jillo	Ngao Village
1076.	Semi Shari	Ngao Village
1077.	Sala Ezra	Ngao Village
1078.	Yehu Maneno Yoram	Ngao Village
1079.	John Haron Kumala	Ngao Village
1080.	Hosea Gwiyo Kolde	Ngao Village
1081.	Halinishi S. Maewa	Ngao Village
1082.	Felezian Komora	Ngao Village
1083.	Yesse Matayo	Ngao Village
1084.	Gwiyo Mushindi Isaya	Ngao Village
1085.	Martin Omara	Ngao Village
1086.	Yona Kongwe	Ngao Village
1087.	Stephene Haron	Ngao Village
1088.	Nocholas Gudina Kanana	Ngao Village
1089.	Kathi Kazi Jara	Ngao Village
1090.	Ezekiel Maduga	Ngao Village
1091.	Levi Jackson	Ngao Village
1092.	Syrack Gwiyo Marochi	Ngao Village
1093.	Festus Chifuku	Ngao Village
1094.	Asser A. Kobogeza	Ngao Village
1095.	Njija Azaria	Ngao Village
1096.	Rose Abednego	Ngao Village
1097.	Ndarama Shari	Ngao Village
1098.	Danai Kofa	Ngao Village
1099.	Mikal Shari	Ngao Village
1100.	Martha Mungatana	Ngao Village
1101.	Mary Bahati Komora	Ngao Village
1102.	Zilpha Assor	Ngao Village
1103.	Shari Peter Osia	Ngao Village
1104.	Naomi Gwiyo	Ngao Village
1105.	Nangorombi Yemuel Bonaya	Ngao Village
1106.	Habuko John	Ngao Village
1107.	Leah Buko	Ngao Village
1108.	Mikali Henock Reuben	Ngao Village
1109.	Bishop Johnson Komora	Ngao Village
1110.	Timothy Daniel	Ngao Village
1111.	Joshua Peter	Ngao Village
1112.	Omar Makesi	Ngao Village
1113.	Faith Riziki	Ngao Village
1114.	Zeituni Morowa	Ngao Village

1115.	Dora Salatiel	Ngao Village
1116.	Michael Abagalana	Ngao Village
1117.	Alex Abagalana	Ngao Village
1118.	Yoash Siri	Ngao Village
1119.	Raha Michael	Ngao Village
1120.	Simion Siri	Ngao Village
1121.	Ruth Michael	Ngao Village
1122.	Sera Kingi	Ngao Village
1123.	Karabu Moses	Ngao Village
1124.	Dama Milima	Ngao Village
1125.	Kadzo Buya	Ngao Village
1126.	Bahati Moses	Ngao Village
1127.	Nzingo Mizharon	Ngao Village
1128.	Betty Duges	Ngao Village
1129.	Sidi Kalume	Ngao Village
1130.	Amitahi Mwanawe	Ngao Village
1131.	Shora Barisa	Ngao Village
1132.	Wario Bajila	Ngao Village
1133.	Zainabu Wachu	Ngao Village
1134.	Dukale Omar	Ngao Village
1135.	Kalime Sidi	Ngao Village
1136.	Hawoke Kikuyu	Ngao Village
1137.	Hawaki Wario	Ngao Village
1138.	Hamansa Wachu	Ngao Village
1139.	Barako Hantiro	Ngao Village
1140.	Mohammed Jillo	Ngao Village
1141.	Banesa Boneya	Ngao Village
1142.	Mohammed Yunus	Ngao Village
1143.	Barako S.	Ngao Village
1144.	Malika Nelly John	Ngao Village
1145.	Mwikali John	Ngao Village
1146.	Sophia Bonaya	Ngao Village
1147.	Daniel M. Kapanya	Ngao Village
1148.	Hance J. Komora	Ngao Village
1149.	Koroso Gidieon	Ngao Village
1150.	Moses J. Ezekiel	Ngao Village
1151.	Alimu N. Sango	Ngao Village
1152.	Francis K. Mashuyu	Ngao Village
1153.	Philison M. Salim	Ngao Village
1154.	Kepher Ngota	Ngao Village
1155.	Collins B. Yonah	Ngao Village
1156.	Sikubali Kazungu	Ngao Village
1157.	Kaingu Srya Thoya	Ngao Village
1158.	Danido Japhet Gwiyo	Ngao Village
1159.	John Nicodemus	Ngao Village
1160.	Maliya M. Bonaya	Ngao Village
1161.	Dadah W. Wadubi	Ngao Village
1162.	Lazarus N. Timayo	Ngao Village
1163.	Gwiyo T. Joel	Ngao Village
1164.	Mohammed K. Maro	Ngao Village
1165.	Harold Kamale	Ngao Village

1166. Hiribae Maneno	Ngao Village
1167. Richard Maneno	Ngao Village
1168. Judith Maneno	Ngao Village
1169. Pauline Maneno	Ngao Village
1170. Pricilla Maneno	Ngao Village
1171. Ezekiel Maduga	Ngao Village
1172. Moses Galana Abio	Ngao Village

### **Preliminary**

The meeting started at 09.30 am with Prayers. This was followed by a variety of Pokomo sugar cane farming cultural demonstrations, songs, dances and poems by women, youths, men, beauty Tarassaa ladies cane competition and children. Kenya Coastal Luo cultural dances were also held as registration of participants was going on. Those who attended actively participated in the meeting were from Galili village leaders, Galana Maro Wetlands CBO, Garsen Sugar Project Forum and Tana Delta Wetland steering committee.

### **Minute 1: Communication from the Chair**

- The Chairman called the meeting to order and introduced the staff of HVA International, MA Consulting Company, TARDA, Mumias Sugar Company (MSC), Tana River District and Administrative Government Officers present as per the list above.
- The Chairman highlighted that poverty, insecurity, poor agricultural production and poor pasture management systems are the most challenging issues/ problems in Tana River District.
- He officially announced that the Government had allocated 200,000 acres of land from the Galana ADC Ranch to local pastoralists and other livestock keepers.
- He indicated that the government will soon rehabilitate the water facilities in that area in order to improve livestock productivity. This will be spearheaded by the Ministry of Water and Irrigation
- He indicated that he will give equal chances randomly to men, women, youths, and leaders present.
- He requested people to register at the registration desk as evidence that they have participated in the EIA process.

### **Minute 2: Proposed Project Description**

- The HVA International representative, Mr. Kees Hopmans, highlighted on the following project components and activities:-
- The government of Kenya has shown great interest in development of the Lower Tana by supporting the proposed industrial complex.
- He indicated that the EIA and feasibility studies are currently undergoing until late October, 2007.
- The most difficult challenge to the consultant in the control of floods in the Tana floodplain. Various options are being worked out. Floods will be a thing of the past in the area.
- The project is composed of:-
  - A sugar factory
  - An ethanol factory
  - A co-generation plant

- 20,000 ha of sugarcane plantation (Nucleus and Outgrowers)
- Other project supporting components/ facilities/ benefits of the project will include establishment of cattle dip facilities, establishment of abattoirs, improved livestock breeding technologies, development of schools, road networks/ bridges, electricity supply, water supply, hospital facilities, provision of 20,000 plus jobs, banking facilities, establishment of cottage industries, improved food security, establishment of eco-tourism projects, fish farming, etc.
- All villages in the project area will be incorporated into the project by being connected with road net works, water and electricity. The concept of Eco-villages will be the guiding principle.
- The project will have positive and negative impacts on grazing land and natural environment. Hence, the public needs to give us their views on the project.

### **Minute 3: Objectives of the consultation and public participation**

- Dr. Jacob Kibwage of HVA International /MA Consulting company outlined the following objectives of the Consultation and Public Participation (CPP) process as required in EMCA, (1999):-
  13. To disseminate and inform the stakeholders about the project with special reference to its key components, location and expected impacts.
  14. To create awareness among the public on the need for the EIA for the TSIP and its due process.
  15. To gather comments, concerns and suggestions of the interested and affected parties.
  16. To ensure that the concerns of the stakeholders were known to the decision-making bodies and the developer at an early phase of project development planning.
  17. To establish a communication channel between the general public and the team of consultants, the MSC/TARDA and the Government.
  18. To incorporate the information collected in the study by EIA specialists
- He emphasised that the purpose for such a process was to identify the positive and negative impacts/concerns and subsequently promote and mitigate them, respectively. It also helped in identifying any other miscellaneous issues which may bring conflicts in case project implementation proceeds as planned.

### **6.13**

#### **Minute 4: Issues raised by the community**

- It was reported by the old people here that sugar farming in the area was recommended long ago in late 1960s by researchers but due to poor politics, it has taken long to establish. Since it is in agreement with the Kenyan 2030 vision, it was proposed that it should commence immediately.
- The project area (coastal area) all the way from Malindi was found to have a series of salt factories. Mumias was requested to start its project as soon as possible and try to work in liaison with other companies to bring development in the area. Locals strongly wanted the proponent in collaboration with the other companies in the neighbourhood to initiate community projects like schools, orphanage homes, water supply projects and improvement of health centres,

mobile animal clinics and pastures like the Galana Ranch which need to be developed quickly by providing water facilities.

- Locals recommended that the local people should get shares in the new company and that they should be part of management of the proposed company.
- Tenders (procurement of local resources) should be awarded to the local people
- Local youths should be given priority in all casual jobs. Locals who have diplomas and certificates should be employed at the managerial positions or any other higher positions they suit best as a way of giving back to the community.
- It was recommended that Mumias immediately recruit at least 100 young people to undergo an in-training programme in advance in areas like driving, mechanics, agricultural extension, clerical, etc.
- Mumias should consider increasing the out grower area of 4000 ha to about 10,000 ha for many farmers to benefit.
- The Tarassa Post Office staff strongly supported the project because it will promote the Postal Services in the region.
- All the present people unanimously agreed that the food security component must be incorporated into the project.
- Quick identification of a development partner to revive and rehabilitate the TARDA stalled rice irrigation project destroyed by El-Nino floods in 1997 was called for urgently. The farmers requested to be assisted in expansion of the former rice irrigation lands by providing technical and logistical support.
- Tana delta wetlands steering committee suggested to the developer to protect all ox-bow lakes, wetlands downstream and forests. It should also assist in the rehabilitation of ox-bow lakes and stock them with fish.
- The participants also recommended that all man made brooks to be closed and proper water diversion systems be put in place.
- The waste from the factory should properly be treated before it is disposed to the immediate environment.
- It was recommended that the monitoring of the river (volumes, directions, general behaviour, should be adequately done to ensure the safety of the people from floods and crocodiles.
- Civil education in the region was recommended so that the locals are enlightened on land rights.
- There was a lot of concern and fear by some livestock farmers that implementation of the project will replace their current grazing land for cane growing. The other fear was that it will reduce livestock watering points along the river and interfere with livestock corridor. It was however reported that a total of 200.000 acres of land have been approved by the government hived off the Galana ADC ranch hence act as the mitigation measure to the loss of pasture issue.
- Livestock keepers in the region should be trained on the dangers of overgrazing to control land degradation and promote sustainable development in the region.
- The proponent was advised to establish ecotourism projects in the area.
- Locals seriously expressed the dire need for land adjudication in the area for the purpose of land title deeds issuance for land security. They therefore requested the developer to assess the progress of the on going land adjudication programme in Tana River and Lamu Districts and assist where necessary to facilitate the out-growers' participation in cane production.

**A.O.B**

There being no any other business, the meeting was officially called off by the Chairman at 5.10pm.

**Confirmed and Approved for Circulation**

Chairman (Mr. Jacob .R. Matipei , District Comkissioner, Tana River, District

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Secretary/ Rapptour (Dr. Jacob K. Kibwage)



\_\_\_\_\_  
29<sup>th</sup> October, 2007

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Minutes of the EIA public meeting held at Kipini Market, Baraza Park on the Proposed Tana Integrated Sugar Project on 23-08-2007**

**6.14 Members of the Public Present**

1.	Mr. J.R. Matipei - Chairman	D.C., Tana River District
2.	Dr. Jacob K. Kibwage- Secretary	HVA/EIA MA consulting
3.	KEES HOPMANS	HVA Team Leader
4.	Isak B. Abdi, Farmer	Kipini Village
5.	Mohamed Raga, Farmer	Shauri Moyo Village
6.	Shida Charo, Farmer	Kipini Village
7.	Michael Buya, Farmer	Kipini Village
8.	Kamboji D. Jillo, Farmer	Kipini Village
9.	Ali Barissa, Farmer	Kipini Village
10.	Washehe Barissa, Farmer	Kipini Village
11.	Siraj Kofa, Farmer	Kipini Village
12.	Ambio Gafo, Farmer	Kipini Village
13.	Mohamoud Salim, Farmer	Kipini Village
14.	Stephen Wainaina, Farmer	Gatundu
15.	Habshi Sharif, Driver	Kipini Village
16.	Ada Manga, Farmer	Kilelengwani
17.	Abdalla alii Hiriba, Farmer	Kipini Village
18.	Peter Kairu, Farmer	Kipini Village
19.	Omar Barissa, Farmer	Kipini Village
20.	Wilfred Matatia, Farmer	Kipini Village
21.	Charo Thoya, Farmer	Kipini Village
22.	Said Omaro, Farmer	Kipini Village
23.	Habiba Hassan, Farmer	Kipini Village
24.	Elizabeth Wanjala, Farmer	Kipini Village
25.	Kahindi Ngome, Farmer	Kipini Village
26.	Fransis Mkonye, Farmer	Kipini Village
27.	Catherine Hiribae, Farmer	Kipini Village
28.	Salima Chilati, Farmer	Ozi Village
29.	Johnathan Kazungu, Farmer	Kipini Village
30.	Charo K. Kazungu, Farmer	Kipini Village
31.	Andrew M. Maua, Farmer	Kipini Village
32.	Athman Bahora Barua, Farmer	Kipini Village
33.	Samuel Mutua, Farmer	Kipini Village
34.	David Mulei, Farmer	Kipini Village
35.	John Kitheka, Farmer	Kipini Village
36.	Daudi Hassan, Farmer	Kipini Village
37.	Daudi Osman, Farmer	Kipini Village
38.	Mohamed Said, Farmer	Kipini Village
39.	Maro Yaya, Farmer	Kipini Village
40.	Esha Buya, Farmer	Kipini Village
41.	Julius Okego, Farmer	Kipini Village
42.	Ahmed Salim, Farmer	Kipini Village
43.	Hazija Khamis, Farmer	Kipini Village
44.	Halima Dakaw, Farmer	Kipini Village
45.	Halima Ali, Farmer	Kipini Village

46.	Mboko Nurio, Farmer	Kipini Village
47.	Alice muthoni, Farmer	Kipini Village
48.	Dandi omar, Farmer	Kipini Village
49.	Bernard Mburu, Farmer	Kipini Village
50.	Leah Marilo, Farmer	Kipini Village
51.	Janet Jarambu, Businessman	Kipini Village
52.	Pauline Napipi, Farmer	Kipini Village
53.	Rishad Abde'hman, Farmer	Kipini Village
54.	Erastus Musya, Fisherman	Kipini Village
55.	Joseph Kilonzo, Farmer	Kipini Village
56.	Alice Mungeli, Farmer	Kipini Village
57.	Rodger Dadacha, Farmer	Kipini Village
58.	Said barisa B., Farmer	Kipini Village
59.	Ali Said Ali, Farmer	Kipini Village
60.	Buya Makego, Farmer	Kipini Village
61.	Emily Malika, Farmer	Kipini Village
62.	Idris Shura, Pastoralist	Kipini Village
63.	Moh'd Nuri, Pastoralist	Kipini Village
64.	Shora Bonea, Pastoralist	Kipini Village
65.	Joseph Musyoki, Farmer	Kipini Village
66.	Ali Awadh, Student	Kipini Village
67.	Aggrey M Guda, Farmer	Kipini Village
68.	Soye E. Majoba, Farmer	Kipini Village
69.	Charity Shally, Cordinator	Kipini Village
70.	Eston Hiribae, Farmer	Kipini Village
71.	Lali Hamisi, Fisherman	Kipini Village
72.	Abubakar Musa Sadiki, Care taker	Kipini Village
73.	Flaviawa Mwewe, Farmer	Kipini Village
74.	Ann Torilo	Kipini Village
75.	Sidi Hamisi, Farmer	Kipini Village
76.	Husna Alii, Pastoralist	Kipini Village
77.	Amiwa Abdulahi, Pastoralist	Kipini Village
78.	Sadia Abdi, Pastoralist	Kipini Village
79.	Roda Abae, Farmer	Kipini Village
80.	Meggi Osiah, Farmer	Kipini Village
81.	Somoe Moh'd, Farmer	Kipini Village
82.	Omar Ali M., Pastoralist	Kipini Village
83.	Garbo Yusuf, Farmer	Kipini Village
84.	Kimwele Katwei, Farmer	Kipini Village
85.	Charo Karisa, Farmer	Kipini Village
86.	Velson Nguma, Farmer	Kipini Village
87.	Habute Fumo, Farmer	Kipini Village
88.	Dawson Musila, Farmer	Kipini Village
89.	Chadi Karisa, Farmer	Kipini Village
90.	Joyce Muramba, Farmer	Kipini Village
91.	Sulieman Kombo, Farmer	Kipini Village
92.	Elizabeth Ngabani, Farmer	Kipini Village
93.	Daniel Karisa, Farmer	Kipini Village
94.	Michael B. Abio, Farmer	Kipini Village
95.	Rachael Ndoge, Farmer	Kipini Village
96.	Esha Dereva, Farmer	Kipini Village

97.	Katawa Chengo, Fisherman	Kipini Village
98.	Peter Karanja, Farmer	Kipini Village
99.	Rachel Bada, Farmer	Kipini Village
100.	Jumwa Kengi, Farmer	Kipini Village
101.	Sidi Tota, Farmer	Kipini Village
102.	Toya Ntsanze, Farmer	Kipini Village
103.	Kenga Kaingu, Farmer	Kipini Village
104.	Haron Caleb, Farmer	Kipini Village
105.	Sera Liwali, Farmer	Kipini Village
106.	Wambui Ngugi, Farmer	Kipini Village
107.	Davia Oyyamu, Farmer	Kipini Village
108.	Said Ali Chufu, Fisherman	Kipini Village
109.	Salim Ali Hirbae, Fisherman	Kipini Village
110.	Saleh Musyoka, Farmer	Kipini Village
111.	Davia Yaa, Farmer	Kipini Village
112.	Jasmas Mwambaru, Farmer	Kipini Village
113.	Bsashah Mzogolo	Tarasaa Village
114.	Monicah Nduta, Farmer	Kipini Village
115.	Miriam Wekesa, Farmer	Kipini Village
116.	Andson Sigira, Farmer	Kipini Village
117.	Bwanamku Jillo, Farmer	Kipini Village
118.	Haron Hole Hiribae, Farmer	Kipini Village
119.	Joseph Kibae Charo, Farmer	Kipini Village
120.	Kasichana Kazungu, Farmer	Kipini Village
121.	Jumwa Kenga, Farmer	Kipini Village
122.	Saida Abdalla, Farmer	Kipini Village
123.	Barawa Kambi, Farmer	Kipini Village
124.	Moh'd Bile, Farmer	Kipini Village
125.	Bada Israel, P-Farmer	Kipini Village
126.	William Kyambe, Farmer	Kipini Village
127.	William Soka, Farmer	Kipini Village
128.	Mithuvu M. Mritha, Farmer	Kipini Village
129.	Dida Goyu, Farmer	Kipini Village
130.	Galugu Peter, Civil Servant	Kipini Village
131.	Issa Koffa, Politician	Garsen Village
132.	Said Abdalla, Farmer	Kipini Village
133.	Fatuma Bakar, Farmer	Kipini Village
134.	Johnson Marango, Farmer	Kipini Village
135.	Moh'd Masepero, Fisherman	Kipini Village
136.	Jillo mohamed, Farmer	Kipini Village
137.	Abdalla Jillo, Farmer	Kipini Village
138.	Amon Buya, Farmer	Kipini Village
139.	Edward makokha, Farmer	Kipini Village
140.	Moh'd Dulo Shore, Farmer	Kipini Village
141.	Johana Ng'ang'a, Businessman	Kipini Village
142.	Swaleh Kase, Farmer	Kipini Village
143.	Kadir Shariff, Businessman	Kipini Village
144.	Omara Mluwa, Farmer	Mpungie Village
145.	Bawata Bashura, Farmer	Mpungie Village
146.	Fatuma M. Jillo, Farmer	Kipini Village
147.	Rehema Joshua, Women Leader	Kipini Village

148.	Jacob Ipu, Civil Servant	Kipini Village
149.	Asser Jillo, Civil Servant	Kipini Village
150.	Maimuna Abdala, Civil Servant	Kipini Village
151.	Florence Mkemzee, Civil Servant	Kipini Village
152.	Julius Katuku, Farmer	Kipini Village
153.	Mutemi Mwanzia, Farmer	Kipini Village
154.	Jesse Badaso, Farmer	Kipini Village
155.	Joseph Amuma, Farmer	Kipini Village
156.	Kea Bagaja, Pastor	Kipini Village
157.	Pida Katende, Farmer	Kipini Village
158.	Faud Moh'd, Farmer	Kipini Village
159.	Mwanajuma Gauwa, Farmer	Kipini Village
160.	Athman Buya, Farmer	Kipini Village
161.	Antony Buya, Farmer	Kipini Village
162.	Mary Kaingu, Women Leader	Kipini Village
163.	Saum Said, Fisherman	Kipini Village
164.	Mdhihiri Abubakar, Fisherman	Kipini Village
165.	Moris Nyongesa, Farmer	Kipini Village
166.	Clament A. Kofa, Civil Servant	Kipini Village
167.	Lisania Bashira, Parastatal	Kipini Village
168.	Paulune Osiah, Farmer	Kipini Village
169.	Gladys Matilda, Farmer	Kipini Village
170.	Zeinabu G., Farmer	Kipini Village
171.	Janet Patnc, Farmer	Kipini Village
172.	Chimea Bada, Farmer	Kipini Village
173.	Hussein Hassan, Farmer	Kipini Village
174.	Teressa Ombanga, Farmer	Kipini Village
175.	Martha Bada, Farmer	Kipini Village
176.	Ada Harun, Student	Kipini Village
177.	Nema Hadono	Kipini Village
178.	Anna Karimi, Farmer	Kipini Village
179.	Mutinda Maloka, Farmer	Kipini Village
180.	Kithome Muthuvi, Farmer	Kipini Village
181.	Rachael Rutere, Farmer	Kipini Village
182.	Lydia Halako, Farmer	Kipini Village
183.	Beth Joseph, Farmer	Kipini Village
184.	Michael Juma, Farmer	Kipini Village
185.	Esha Hadia, Farmer	Kipini Village
186.	Mwanaharusi Barisa, Farmer	Kipini Village
187.	Michael Bubu, Farmer	Kipini Village
188.	Nassib Issa A., Ex-chief	Kipini Village
189.	Salim Abio, Farmer	Kipini Village
190.	Wario Dara, Farmer	Kipini Village
191.	Joram Tofan, Kipini Lodges LTD	Kipini Village
192.	John Tira, K.C.	Kipini Village
193.	Mushinda M. Hero, Farmer	Kipini Village
194.	Shore barisa Shore, Farmer	Kipini Village
195.	Halima Wario, Farmer	Kipini Village
196.	Batuli Abderehman, Farmer	Kipini Village
197.	Jamal Abdala, Farmer	Kipini Village
198.	Abdala Hassan, Farmer	Kipini Village

199.	Kibe Bernard, Farmer	Kipini Village
200.	Jeremiah Mwangi, Farmer	Kipini Village
201.	Moh'd Hero, Farmer	Kipini Village
202.	Ramadhan Maro, Farmer	Kipini Village
203.	Salim Babo, Farmer	Kipini Village
204.	Ramadhan Komora, Farmer	Kipini Village
205.	Hamad Maro Dawa, Farmer	Kipini Village
206.	John Kimani, Farmer	Kipini Village
207.	Salim Dhadho, Fisherman	Kipini Village
208.	Manase Muthui, Farmer	Kipini Village
209.	Duncan Ndegwa, Farmer	Kipini Village
210.	Hussein abdalla, Fisherman	Kipini Village
211.	Ali Hidabvo, Farmer	Kipini Village
212.	David Njoroge, Farmer	Kipini Village
213.	Joseph Gaciu, Farmer	Kipini Village
214.	Jane Mungai, Farmer	Kipini Village
215.	Muthee Mwaniki, Farmer	Kipini Village
216.	Charles Kiiru, Farmer	Kipini Village
217.	Anderson Masha, Farmer	Kipini Village
218.	Charo Mumba, Farmer	Kipini Village
219.	David Mburu, Farmer	Kipini Village
220.	Paul Mburu, Farmer	Kipini Village
221.	Ezekiel G., Farmer	Kipini Village
222.	John Samini, Farmer	Kipini Village
223.	Peter Kiratu, Farmer	Kipini Village
224.	Edward Kundu, Witu Settlement Scheme	Kipini Village, Mapunga Area
225.	Jerald Kyalo, Farmer	Kipini Village
226.	Flady Katende, Businessman	Kipini Village
227.	Chengo Charo, Farmer	Kipini Village
228.	Peter Keke, Farmer	Kipini Village
229.	Halima Athman, Farmer	Kipini Village
230.	Mwajuma Yaya, Farmer	Kipini Village
231.	Juma Kolu, Farmer	Kipini Village
232.	Selina Wachira, Farmer	Kipini Village
233.	Bonga Abalagha, Farmer/ Pastoralist	Kipini Village
234.	Abdi Galore, Farmer/ Pastoralist	Kipini Village
235.	Swaleh Said, Farmer	Kipini Village
236.	Fadhil Maro, Farmer	Kipini Village
237.	Jare Duvve, Farmer	Kipini Village
238.	Ismail Abdalla, Farmer	Kipini Village
239.	Said Hero, Farmer	Kipini Village
240.	Mwana Amu Ade, Farmer	Kipini Village
241.	Said Abdalla M., Farmer	Kipini Village
242.	Nassir Madi, Pastoralist	Kipini Village
243.	George Oma Sharif, Pastoralist	Kipini Village
244.	Haron Njoroge, Pastoralist	Kipini Village
245.	Changawa Karisa, Farmer	Kipini Village
246.	Said Jillo, Farmer	Kipini Village
247.	Abdulrahman Said, Fisherman	Kipini Village
248.	Abdurlahman Bakar, Fisherman	Kipini Village
249.	Moh'd Gawawa Buya, Farmer	Kipini Village

250.	Saida Gutatu, Farmer	Kipini Village
251.	Elida Maneno, Farmer	Kipini Village
252.	Joyse Kadzo, Farmer	Kipini Village
253.	Janet Karisa, Farmer	Kipini Village
254.	Jare Bonga, Farmer	Kipini Village
255.	Hawa Shally, Pastoralist	Kipini Village
256.	Mmaka Shere, Businessman	Kipini Village
257.	Steven Moi, Farmer	Kipini Village
258.	Paul Karumba, Farmer	Kipini Village
259.	Sulubu Mbitha, Farmer	Kipini Village
260.	Bagato Mwaura, Farmer	Kipini Village
261.	Margater Ngira, Farmer	Kipini Village
262.	Fatuma Omar, Farmer	Kipini Village
263.	Fatuma Alii, NGO	Kipini Village
264.	Livingstone Ng'ang'a, Farmer	Kipini Village
265.	Julius Masha, Farmer	Kipini Village
266.	John Nditsa, Farmer	Kipini Village
267.	Steven Maina, Farmer	Kipini Village
268.	Patrick Were, Farmer	Kipini Village
269.	Athman Ohidha, Farmer	Kipini Village
270.	Michael Kamau, Farmer	Kipini Village
271.	Francis Macharia, Farmer	Kipini Village
272.	Tabitha Kalunda, Farmer	Kipini Village
273.	Ashura Islam, Farmer	Kipini Village
274.	Guyato Barhaya, Farmer	Kipini Village
275.	Riziki Said, Farmer	Kipini Village
276.	Omara Gwiyo, Farmer	Kipini Village
277.	Swaleh Mbaruku, Farmer	Kipini Village
278.	Mariam George, Fisherman	Kipini Village
279.	Asiah Yakub, Farmer	Kipini Village
280.	Somoe Shehe, Farmer	Kipini Village
281.	Galawa m. Malibe, Farmer	Kipini Village
282.	Charles Tito, Farmer	Kipini Village
283.	Elihu Maneno, Farmer	Kipini Village
284.	Benjamin Mauwa, Farmer	Kipini Village
285.	Fatuma Roba, Farmer	Kipini Village
286.	Bokore Karisa, Farmer	Kipini Village
287.	Michael Komola, Farmer	Kipini Village
288.	Christine Haron, Farmer	Kipini Village
289.	Simeon B. David, Student	Kipini Village
290.	Biasha Abdalla, Farmer	Kipini Village
291.	Hazija karani, Farmer	Kipini Village
292.	Francis Kanyingi, Farmer	Kipini Village
293.	George H. Toash, Farmer	Kipini Village
294.	Alfred Karisa, Farmer	Kipini Village
295.	Morris Nyale, Farmer	Kipini Village
296.	David Njehia, Farmer	Kipini Village
297.	Nuru G. Ali, Farmer	Kipini Village
298.	Abdalla Omar, Teacher	Kipini Village
299.	Esha Hussein, Farmer	Kipini Village
300.	Abdalla Swalehe, Barber	Kipini Village

301.	Msili Chewho, Farmer	Kipini Village
302.	Bwanaissa B. Buya, Farmer	Kipini Village
303.	Hanayu Kasie, Civil Servant	Kipini Village
304.	Bashura Wachu, Farmer	Scheme Village
305.	Omar Wario, Sess Collector	Kipini Village
306.	Mohamed shee, Fisherman	Kipini Village
307.	Garawa Galo Galo, Farmer	Kilelengwani Village
308.	Martin Maewa, Farmer	Kizuliani Village
309.	Florence Wanjiku, Farmer	Shauri Moyo Village
310.	Juma Alfa, Farmer	Shauri Moyo Village
311.	Dullu Jilloh, Student	Kipini Village
312.	Hassan Ali, Businessman	Kipini Village
313.	Moh'd Hamisi, Businessman	Kipini Village
314.	Yussuf Khalifa, CDF Representative	Kipini Village
315.	Bakar Said Guyo, Farmer	Tosi Village
316.	Patrick Manzi, Farmer	Shauri Moyo Village
317.	Betty caplan,	Box 1355 Sarit Center
318.	Mercy Njeri Wanyama, Farmer	Mapunga Village
319.	Penina Udha, Farmer	Maweni Village
320.	Francis Maitha, Farmer	Mahandakini Village
321.	Athman Abdalla, Farmer	Jalalanto Village
322.	Bakar S. Badwoya, Farmer	KAU
323.	Hassan Said Dawa, Farmer	Tosi Village
324.	James Mawiyo, Farmer	Kenze Village
325.	Mohamed Ali, Mason	Kipini Village
326.	Elias Gitari, Farmer	Gatundu Village
327.	Jacob Andau, Farmer	Kizuliani Village
328.	Kenga Kaingu, Farmer	Kipini Village
329.	Gafu Abae, Farmer	Tosi Village
330.	Dreva Mohamed Farmer	Jalalanto Village
331.	Nasir Mohamed, Fisherman	Kipini Village
332.	Ahmed Omar, Fisherman	Kipini Village
333.	Said Komora, Farmer	Mponge Village
334.	Ali Omar, Fisherman	Kipini Village
335.	Francis Nganga, Farmer	Kipini Village
336.	Peris Habwoya Galawa, Businesslady	Kipini Village
337.	Ramabdan Said, Farmer	Kipini Village
338.	John Demo, Farmer	Kipini Village
339.	Odilowe Ngowa, Farmer	Kipini Village
340.	Ali Magunia, Farmer	Kilelengwani Village
341.	Joseph Kamau, Farmer	Kipini Village
342.	Musa Abdi, Pastoralist	Kipini Village
343.	Hussein golicha, Pastoralist	Kipini Village
344.	Mahamoud Ibrahim, Farmer	Shauri Moyo Village
345.	Salim Ali, Farmer	Shauri Moyo Village
346.	Kaingu Charo, Farmer	Kipini Village
347.	Benedict Nzai, Farmer	Kipini Village Village
348.	Charo Karema, Farmer	Bora Imani Village
349.	Hashim Said, Fisherman	Kipini Village
350.	Rukia Athman, Farmer	Jalalanto Village
351.	Mwanaharusi Dhidha, Farmer	Jalalanto Village

352.	Kingongdu Mtambu, Farmer	Mkoma mmoja Village
353.	Samuel Kangutu, Farmer	Shauri Moyo Village
354.	Ngawa Dhidha, Farmer	Jalalanto Village
355.	John Ngei, Farmer	Shauri Moyo Village
356.	David Kinyua, Farmer	Shauri Moyo Village
357.	Omar A. Komora, Farmer	Jalalanto Village
358.	Omar Mohamed, Chairman	Kipini Village
359.	Said Mohamed, Fisherman	Kipini Village
360.	Hamis Mbarak, Farmer	Kipini Village
361.	Ilias Awadhi, Farmer	Kipini Village
362.	John Kariara, Farmer	Gatundu
363.	Bahati Barisa, Farmer	Kipini Village
364.	Josphen Keneth, Farmer	Kipini Village
365.	Fatuma Ali, Farmer	Kipini Village
366.	Ahmed Jare, Pastoralist	Kipini Village
367.	Ali Mohamed, Pastoralist	Garsen Village
368.	James A. Ngeno	HVA
369.	A. W. Wanjala	MSC
370.	Keens Hopman	HVA
371.	William K. Chepkauny, County Clerk	TRCC, Box 29 Hola
372.	Alii Mchana Doyo, Chairman TRCC	TRCC, Box 29 Hola
373.	B. Ngatia Iregi, DCPD Tana River	-
374.	Damacys Kiarie	TARDA
375.	Giovanni Tofani, Manager	Kipini Consultancy
376.	Salome N. Morowa, Assistant Chief	Tarassa Village
377.	Abae B. Omara, Assistant Chief	Kipini Village
378.	David Kallavi, CMMPR/FR	TARDA
379.	Henry O. Otieno, DO- Tarassa	Tarassa Village
380.	E. C. Mwambao	Tarassa Village
381.	B. M. Karani, DO	Tel: 0733377687
382.	Samuel jalua, Opinin Leo	Kipini Village
383.	Menza K. Edward, NEMA/ DEO	NEMA
384.	Edward K. Makokha, Farmer	Mapunga Village
385.	Mohamed Okello, Farmer	Mapunga Village
386.	Samuel Musya, Farmer	Shauri Moyo Village
387.	J. Mwikali Mwandwa. Farmer	Shauri Moyo Village
388.	Shadrack M. Hiribae, Farmer	Kipini Div, Garsen
389.	Mwanajuma Yaya, Farmer	Mponge Garsen
390.	Dr. W. J. Ojwang, Research Scientist	KMFRI - KMFRI
391.	Joseph A., OCS Garsen	-
392.	E. Mzungu, CID Garsen/ Tarassa/ Kipini	-
393.	Khadija Guyo, Councillor	-
394.	D. Mwangila, TARDA	TARDA
395.	Nelly malika Abio, District Chairman MYWO Tel: 0725107128	
396.	Butilu Abdirhman	Kipini Village
397.	Pamela L,	MSC
398.	Andrew K. Moroni, Coordinator TARDA Tana River	-
399.	J. W. Mwewe, Coordinator TARDA Kipini	Kipini Village

## **Preliminary**

6.15 The meeting started at 10.15am with both Christian and Muslim Prayers.

### **Minute 1: Communication from the Chair**

- The Chairman called the meeting to order and introduced the staff of HVA International, MA Consulting Company, TARDA, Mumias Sugar Company (MSC), Tana River District and Administrative Government Officers present as per the list above.
- The Chairman highlighted that poverty, insecurity, poor agricultural production and poor pasture management systems are the most challenging issues/ problems in Tana River District.
- He officially announced that the Government has allocated 200,000 acres of land from the Galana ADC Ranch to local pastoralists.
- He indicated that the government will soon rehabilitate the water facilities in that area in order to improve livestock productivity. This will be spearheaded by the Ministry of Water and Irrigation Development.
- He indicated that he will give equal chances randomly to men, women, youths, and leaders present.
- He requested people to register at the registration desk as evidence that they have participated in the EIA process.

### **Minute 2: Proposed Project Description**

- The HVA International representative, Mr. Kees Hopmans, highlighted on the following project components and activities:-
- The government of Kenya has shown great interest in development of the Lower Tana by supporting the proposed industrial complex.
- He indicated that the EIA and feasibility studies are currently undergoing until late October, 2007.
- The most difficult challenge to the consultant in the control of floods in the Tana floodplain. Various options are being worked out. Floods will be a thing of the past in the area.
- The project is composed of:-
  - A sugar factory
  - An ethanol factory
  - A co-generation plant
  - 20,000 ha of sugarcane plantation (Nucleus and Outgrowers)
- Other project supporting components/ facilities/ benefits of the project will include establishment of cattle dip facilities, establishment of abattoirs, improved livestock breeding technologies, development of schools, road networks/ bridges, electricity supply, water supply, hospital facilities, provision of 20,000 plus jobs, banking facilities, establishment of cottage industries, improved food security, establishment of eco-tourism projects, fish farming, etc.
- All villages in the project area will be incorporated into the project by being connected with road networks, water and electricity. The concept of Eco-villages will be the guiding principle.
- The project will have positive and negative impacts on grazing land and natural environment. Hence, the public needs to give us their views on the project.

### **Minute 3: Objectives of the consultation and public participation**

- Dr. Jacob Kibwage of HVA International /MA Consulting company outlined the following objectives of the Consultation and Public Participation (CPP) process as required in EMCA, (1999):-
  1. To disseminate and inform the stakeholders about the project with special reference to its key components, location and expected impacts.
  2. To create awareness among the public on the need for the EIA for the TSIP and its due process.
  3. To gather comments, concerns and suggestions of the interested and affected parties.
  4. To ensure that the concerns of the stakeholders were known to the decision-making bodies and the developer at an early phase of project development planning.
  5. To establish a communication channel between the general public and the team of consultants, the MSC/TARDA and the Government.
  6. To incorporate the information collected in the study by EIA specialists
  
- He emphasised that the purpose for such a process was to identify the positive and negative impacts/concerns and subsequently promote and mitigate them, respectively. It also helped in identifying any other miscellaneous issues which may bring conflicts in case project implementation proceeds as planned.

### **Minute 4: Comments, suggestions and Issues raised by the community**

- There was suggestion that the land was for wildlife and birds, it was a stronghold of two of the nearly threatened species Malindi pipit and Basra reed warbler. The animals supported by the delta are: Topi, Elephants, Red Columbus etc the river and the lake support a large number of hippopotamus and the Nile crocodile, dungdong turtles and marine turtles.
- There was concern from the Pastoralists that with the implementation of the project there will be loss of pasture in that the current grazing land would be replaced by cane growing. The other fear is that the project will reduce livestock watering points along the river and interfere with livestock corridors.
- It was noted that the relationship between TARDA and the locals is poor due to a multiple of factors which include former company staff unpaid salaries/wages of about 3million to date and distribution of job opportunities among existing communities/villages. The final natural collapse of the rice project due to El-nino rains of 1999, lack of any successful project in the area, poor relation to the locals, non-fulfilment of the promised Corporate Social Responsibility services/facilities e.g. schools, health centres, cattle dips, water supply.
- There was a claim that the people of Kipini have been neglected in terms of development opportunities/ activities. The road network in the area was reported to be generally poor. The locals felt that the proponent should assist in upgrading the existing infrastructure (especially roads and bridges) and assist in developing new ones where and when needed in collaboration with the relevant authorities and other companies operating in the region.
- It was said that at lower Tana, sugar cane can be grown without even irrigation because the soils are good and rain is said to be reliable.

- It was suggested that zero-grazing animals which can feed on cane tops should be considered in future. As a way to create pasture for the animals especially when the cane is cut.
- They requested that schools and other facilities to be constructed should be distributed equally and fairly. This will enable the community to improve in terms of educational standards. It was suggested that the social amenities that may arise due to the project be extended into the interior to open up the region further.
- Amenities/services suggested by the locals include: establishment of an educational scholarship programme to be managed in partnership with the local community. Sites for the establishment of primary and secondary schools in key areas and tertiary training institution relevant to the project should be identified by the village elders committees.
- The project should integrate a mangoes and coconut processing factory to boost the locals in terms incomes. Locals appreciated the fact that the development would offer much indirect employment opportunities to majority of the local people and most would sell their produce to the workers hence benefiting them economically. The farmers that envisaged benefiting from the project included those producing milk, mangoes, indigenous vegetables, coconut, palm wine, honey e.t.c.
- It was recommended that land adjudication/survey to be done because currently almost all the people in Tana River do not own land titles. They emphasized that for the project to ensure the locals participation, the project proponent should assess the progress of the on going land adjudication programme in Tana River and Lamu districts, in order to consider the possibility of facilitating the government officers to accomplish the work which has been dragging for a long time due to unlimited financial resources allocation every year of the government budget. The people expressed the dire need for permanent settlement and land ownership even in blocks in order to ensure success of the out growers system.
- The people requested to be assisted with inputs to grow sugarcane in their farms. Once again, the locals emphasized their request for Mumias Sugar Company to seriously explore the possibility of growing rain-fed cane depending on reliability of rain, soil capacity and cost implications.
- Due to the current marginalization of the area, they strongly supported development projects like the proposed one so as to compete with other parts of the country.
- It was suggested that farmers should be paid in time for their cane produce, so that they would be able to get inputs like fertilizers and carry out land preparation in time. This would also enable them to cater for their household basic needs.
- It was recommended that employment conditions/criteria should be localized since most of the youth have no formal education and are currently engaged mainly in cattle grazing. Illiteracy levels were claimed to be very high in the area. The community members raised fear that casual labourers may be imported from other places in western Kenya and yet they have a large base of cheap labour/ workforce amongst their unemployed youth. They felt that the employment procedure should be through their local village elders' committee since they live with them and know virtually all educated and responsible youth within the community who could provide the required labour.
- It was suggested that the marine environment (marine fish, corals, fish, etc) should be protected from damage by the proposed sugar project activities.

- It was recommended that Mumias should arrange for a sugar cane production educational awareness programme. Due to poor education level in the area, the locals demanded for sensitization on the benefits and environmental implications of sugar cane production using a village-to-village contact approach especially among the non crop farmers.
- Local leaders also recommend that training on food security interventions relevant for the region can be integrated in such meetings in future. The public sensitization programme should be a continuous process at all project cycle's stages.
- It was suggested that MSC should arrange in advance to take youth for training in Mumias before the sugar factory project and farming operations are started. This will be used to impart or transfer skills on sugar production technologies to locals. The recruitment should target all communities and villages using traditional lines of authority to avoid ethnic conflicts.
- There was a suggestion for creation of special crop market opportunities for the coastal region people.
- There should be no disturbance to wildlife natural corridors, hence promotion of ecotourism.
- As part of the stakeholders, they expressed their concerns on the environmental implication of the project to existing forest patches which partly form the basic livelihood assets of the local people. They suggested that the riparian forests along the meandering course of the lower Tana River and other identified and mapped patches should be not be cleared but be preserved for local sustainable use because they are a major source of fuel wood, building/timber materials, fruits, honey, traditional medicinal herbs, palm wine etc.
- Protection of mangrove ecosystem which is about 45km downstream from the project site was also recommended. The study observed that high rates of population growth have increased pressure/ threatened these forest resources because large areas have been cleared for cultivation, pole cutting, fire, felling of large trees for canoe-making and rampant charcoal burning activities.
- They suggested that they need a mobile clinic that would go around for the treatment of the people and animals. They requested the proponent to consider the introduction of Zero-grazing systems in the place as part of their CSR.
- Finally, the people indicated that they supported the project because it will diversify their income sources and create employment opportunities for the youth of the region, bring electricity into Kipini, etc.

**A.O.B**

There being no any other business, the meeting was officially called off by the Chairman at 4.35pm.

**Confirmed and Approved for Circulation**

Chairman (Mr. Jacob .R. Matipei, District Commissioner, Tana River, District

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Secretary/ Rapporteur (Dr. Jacob K. Kibwage)



29<sup>th</sup> October, 2007

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Signature

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Date

**Minutes of the EIA public meeting held at Witu Market, Baraza Park on the Proposed Tana Integrated Sugar Project on 24-08-2007**

**Members of the Public Present**

- |     |   |                               |
|-----|---|-------------------------------|
| 1.  | Mr. Richard .O. Nyanamba, DO1, Witu Division - Chairman C/o District Commissioner, Lamu, District |                               |
| 2.  | Dr. Jacob K. Kibwage- Secretary   | HVA/EIA MA consulting         |
| 3.  | Kees Hopmans  | HVA Team Leader               |
| 4.  | Purity Nyawira, Farmer  | Konambaya Village             |
| 5.  | Nyasunda Ongeru, Farmer   | Witu Division, Soroko Village |
| 6.  | William Andrew Achira, Farmer   | Witu Division, Soroko Village |
| 7.  | Joseph Biari Mosomi, Farmer   | Witu Division, Soroko Village |
| 8.  | Esther M. Tengeya, Farmer   | Witu Division, Soroko Village |
| 9.  | James Moosioma Ouko, Farmer   | Witu Division, Soroko Village |
| 10. | Justus Omandi Tengeya, Farmer   | Witu Division, Soroko Village |
| 11. | Jeffer Mayaka Ongori, Farmer  | Witu Division, Soroko Village |
| 12. | Josephat Nyanbane Nose, Farmer  | Witu Division, Soroko Village |
| 13. | Christos Momanyi Nyakango, Farmer   | Witu Division, Soroko Village |
| 14. | Kemonto Tengeya, Farmer   | Witu Division, Soroko Village |
| 15. | Daudi Obincha Angwenyi, Farmer  | Witu Division, Soroko Village |
| 16. | Yunuke Kemuma Mabeya, Farmer  | Witu Division, Soroko Village |
| 17. | Samuel Nyaribo Mosomi, Farmer   | Witu Division, Soroko Village |
| 18. | Sibiah Gesare Mosomi, Farmer  | Witu Division, Soroko Village |
| 19. | Joseph Irangi Raini, Farmer   | Witu Division, Soroko Village |
| 20. | Gekondi Achoki, Farmer  | Witu Division, Soroko Village |
| 21. | Evaline Mokeira, Farmer   | Witu Division, Soroko Village |
| 22. | Meshak magaki Mosomi, Farmer  | Witu Division, Soroko Village |
| 23. | Andrew Satsi Nyakundi, Farmer   | Witu Division, Soroko Village |
| 24. | Samuel Meroka Omwando, Farmer   | Witu Division, Soroko Village |
| 25. | Florence Momanyi Nyakundi, Farmer   | Witu Division, Soroko Village |
| 26. | David Omanga Birai, Farmer  | Witu Division, Soroko Village |
| 27. | Rose Sarange Okemwa, Farmer   | Witu Division, Soroko Village |
| 28. | Charles Masi Masi, Farmer   | Witu Division, Soroko Village |
| 29. | Francis Abuga Onyanicha, Farmer   | Witu Division, Soroko Village |
| 30. | Nelson Surumo Nyauma, Farmer  | Witu Division, Soroko Village |
| 31. | Tomu Nyauma Ongoro, Farmer  | Witu Division, Soroko Village |
| 32. | Charles Ouru Nyauma, Farmer   | Witu Division, Soroko Village |
| 33. | Augustino Onyango, Farmer   | Witu Division, Soroko Village |
| 34. | Florence V. Onguti, Farmer  | Witu Division, Soroko Village |
| 35. | Fridah B. Kinara, Farmer  | Witu Division, Soroko Village |
| 36. | Paulina Nyakango, Farmer  | Witu Division, Soroko Village |
| 37. | Yuvanlisi Onduko Nyangicha, Farmer  | Witu Division, Soroko Village |
| 38. | John O. Abuga, Farmer   | Witu Division, Soroko Village |
| 39. | Pius Omandi Onchonga, Farmer  | Witu Division, Soroko Village |
| 40. | David N. Nyambegera, Farmer   | Witu Division, Soroko Village |
| 41. | Stanislaus O. Bichanga, Farmer  | Witu Division, Soroko Village |
| 42. | Douglas M. Onsomu, Farmer   | Witu Division, Soroko Village |
| 43. | Evanis Nyaribari Nyakangi, Farmer   | Witu Division, Soroko Village |
| 44. | Josephina Moraa Otiso, Farmer   | Witu Division, Soroko Village |
| 45. | Sato Orina Bosire, Farmer   | Witu Division, Soroko Village |
| 46. | Anna Aono Adayi, Farmer   | Witu Division, Soroko Village |

47.	Agnes bosire Nyangicha, Farmer	Witu Division, Soroko Village
48.	Stera Moraa Kinara, Farmer	Witu Division, Soroko Village
49.	Edna Bosire Bagwasi, Farmer	Witu Division, Soroko Village
50.	Ibrahim Ongeru Otwere, Farmer	Witu Division, Soroko Village
51.	Ronald Muhanda Mukhuwana, Farmer	Witu Division, Soroko Village
52.	Evanis P. Omweno Omundim, Farmer	Witu Division, Soroko Village
53.	Evanis Kenyataa Nyachoki, Farmer	Witu Division, Soroko Village
54.	John Ogonji Otochi, Farmer	Witu Division, Soroko Village
55.	Matthew Owenga, Farmer	Lamu District, Sendemke Village
56.	Evans O. P. Omundi, Farmer	Lamu District, Sendemke Village
57.	Lameck K. Otondi, Farmer	Lamu District, Sendemke Village
58.	Ibrahim Ongeru, Farmer	Lamu District, Sendemke Village
59.	Dancan Onjongo, Farmer	Witu Division,
60.	Evans Kenyanchoki, Farmer	Lamu District, Sendemke Village
61.	George Wabuko, Farmer	Lamu District, Sendemke Village
62.	Moh'd Wayu Karhan, Farmer	Lamu District, Witu Division
63.	Moh'd Muna, Farmer	Lamu District, Witu Division
64.	James mwebveni, Farmer	Lamu District, Witu Division
65.	Bwanakheir Said, Farmer & Pastoralist	Lamu District, Witu Division
66.	Said Bwanakheir, Farmer	Lamu District, Witu Division
67.	Swale Adinen, Community Leader	Lamu District, Witu Division
68.	Khadija Basheikh, Farmer	Lamu District, Witu Division
69.	Esha Bwanamku, Farmer	Lamu District, Witu Division
70.	Abdi Bunaya, Farmer	Lamu District, Witu Division
71.	Yusu Said, Farmer	Lamu District, Witu Division
72.	Amina Bakar Moh'd, Farmer	Lamu District, Witu Division
73.	Asha Hussein, Farmer	Lamu District, Witu Division
74.	Fatuma Omar, Farmer	Lamu District, Witu Division
75.	Mauld Alii, Farmer	Lamu District, Witu Division
76.	Omar Said, Farmer	Lamu District, Witu Division
77.	Kawambi Wanje, Farmer	Lamu District, Witu Division
78.	Dama Mumba, Farmer	Lamu District, Witu Division
79.	Barke Athman, Farmer	Lamu District, Witu Division
80.	Jahi Maulawa, Farmer	Lamu District, Witu Division
81.	Gedia Musa, Farmer	Lamu District, Witu Division
82.	Guyole Gona, Herdsman	Lamu district,
83.	Abdalla Wlema, Herdsman	Lamu District, Chachaluma Village
84.	Hussein Dokota, Herdsman	Didewaride Village
85.	Hassan Tubulu, Herdsman	Kitumbini Village
86.	Mohamed Dokota, Herdsman	Didewaride Village
87.	Warioboru, Herdsman	Kitumbini Village
88.	James A. Ngeno,	HVA
89.	A. W. Wanjala	MSC
90.	Kees Hopmans, HVA Leader	HVA
91.	Dr. J. K. Kibwage, EIA Expert	HVA EIA
92.	Yahya A. Shakibare, Public Officer	Chief Office, Witu
93.	R. O. Nyanamba, District Officer	District Officer, Witu
94.	Kahaso Kaingu, Farmer	Lamu District, Witu Division
95.	Kaschana Chiria, Farmer	Lamu District, Witu Division
96.	Fatuma Bwanashec, Farmer	Lamu District, Witu Division
97.	Moh'd Omar, Farmer	Lamu District, Witu Division

98.	Hawa Bocha, Farmer	Lamu District, Witu Division
99.	Joseph Kaingu, K/seru	Lamu District, Witu Division
100.	Esther Dalando, C/seru	Lamu District, Witu Division
101.	Kaingu Chai, Farmer	Lamu District, Witu Division
102.	Mwanahamisi Omar, Farmer	Lamu District, Witu Division
103.	Sadoo Munee, Farmer	Lamu District, Witu Division
104.	Ibrahim Godhana, Pastoralist	Lamu District, Witu Division
105.	Rehema Moh'd, Chief	Lamu District, Witu Division
106.	Samson Katana, Farmer	Lamu District, Witu Division
107.	Irene Wangithi, Farmer	Lamu District, Witu Division
108.	Fasia Bwanamzee, Farmer	Lamu District, Witu Division
109.	Teresia wamaitha, Farmer	Lamu District, Witu Division
110.	Guyatu Barisa, Farmer	Lamu District, Witu Division
111.	Mwalimu Charo, Farmer	Lamu District, Witu Division
112.	Pst. K. Kazungu, Farmer	Lamu District, Witu Division
113.	Milka Karimi Maina, Farmer	Lamu District, Witu Division
114.	Munyoki mwangangi, Farmer	Lamu District, Witu Division
115.	Sholole Olo, Councillor	Lamu District, Witu Division
116.	Kariuki Mwema, Farmer	Lamu District, Witu Division
117.	Stephen Litaro, Farmer	Lamu District, Witu Division
118.	Salaoh Abdi, Pastrolist	Lamu District, Witu Division
119.	Niradhi Abdalla, Farmer	Lamu District, Witu Division
120.	Salima Hussein, Farmer	Lamu District, Witu Division
121.	Jillo Enes, Pastor	Lamu District, Witu Division
122.	Zulfa Abdalla, Farmer	Lamu District, Witu Division
123.	Mwanajuma Said, Farmer	Lamu District, Witu Division
124.	Abdu Sheldil, Farmer	Lamu District, Witu Division
125.	Somoe Ali, Farmer	Lamu District, Witu Division
126.	Josephat Karisa, Farmer	Lamu District, Witu Division
127.	Yusuf Kanchuru, Pastoralist	Lamu District, Witu Division
128.	Ali Shally, Farmer	Lamu District, Witu Division
129.	Siniwa Molu, Farmer	Lamu District, Witu Division
130.	Amina Moh'd, Farmer	Lamu District, Witu Division
131.	Omar Kuno, Farmer	Lamu District, Witu Division
132.	Nuru Omar, Farmer	Lamu District, Witu Division
133.	John Thuku, Businessman	Lamu District, Witu Division
134.	Fransis Wafula, Farmer	Lamu District, Witu Division
135.	Alia Elema, Farmer	Lamu District, Witu Division
136.	Muslima Samio, Farmer	Lamu District, Witu Division
137.	Kazungu Karisa, Farmer	Lamu District, Witu Division
138.	Jare Elema, Farmer & Pastoralist	Lamu District, Witu Division
139.	Francis Tabu, Farmer	Lamu District, Witu Division
140.	Jackson Kenga, Farmer	Lamu District, Witu Division
141.	Ngala Katsenga, Farmer	Lamu District, Witu Division
142.	Henry kitsao, Farmer	Lamu District, Witu Division
143.	Rukia Abdalla, Farmer	Lamu District, Witu Division
144.	Esha Omar, Farmer	Lamu District, Witu Division
145.	Lawrence Fungo, Farmer	Lamu District, Witu Division
146.	Bakari B. Malibe, Farmer	Lamu District, Witu Division
147.	Karabu Wanje, Farmer	Lamu District, Witu Division
148.	Diramo Abajila, Farmer	Lamu District, Witu Division

149.	Fatuma Abdalla, Farmer	Lamu District, Witu Division
150.	Antony Kiuna, Farmer	Lamu District, Witu Division
151.	Umwa Ngombao, Farmer	Lamu District, Witu Division
152.	Kadzo Kazungu, Farmer	Lamu District, Witu Division
153.	Dara Olo, Pastoralist	Lamu District, Witu Division
154.	Winnie Kombo, Farmer	Lamu District, Witu Division
155.	Mwanahamisi Abuchi, Farmer	Lamu District, Witu Division
156.	Esha Bakar, Farmer	Lamu District, Witu Division
157.	Fatuma Makange, Farmer	Lamu District, Witu Division
158.	Samuel Loda, Civil Servant	Lamu District, Witu Division
159.	Godhana Bonaya, Pastoralist	Lamu District, Witu Division
160.	Hanti Jara, Pastoralist	Lamu District, Witu Division
161.	Kenneth Wanje, Farmer	Lamu District, Witu Division
162.	Godhana Guyo, Pastoralist	Lamu District, Witu Division
163.	Moh'd Gona, Farmer	Lamu District, Witu Division
164.	Esha Athman, Farmer	Lamu District, Witu Division
165.	Kazungu Kinda, Farmer	Lamu District, Witu Division
166.	Daniel Mutu, Farmer	Lamu District, Witu Division
167.	Katana Nyati, Farmer	Lamu District, Witu Division
168.	Zacharia Gicheha, Farmer	Lamu District, Witu Division
169.	Mary Joseph, Businesswoman	Lamu District, Witu Division
170.	Agnes Wangechi, Farmer	Lamu District, Witu Division
171.	Abdlla Odo, Farmer	Lamu District, Witu Division
172.	Abdi Elema, Farmer	Lamu District, Witu Division
173.	Stephen Watenga, Farmer	Lamu District, Witu Division
174.	Wario Boru, Pastoralist	Lamu District, Witu Division
175.	Margaret Kahaju, Farmer	Lamu District, Witu Division
176.	Sofia Dima, Farmer	Lamu District, Witu Division
177.	Maria Muthoni, Farmer	Lamu District, Witu Division
178.	Wanjiru Kamugweru, Farmer	Lamu District, Witu Division
179.	Kadenge Japhet, Farmer	Lamu District, Witu Division
180.	Jumwa Chea, Farmer	Lamu District, Witu Division
181.	Rose Kahindi, Farmer	Lamu District, Witu Division
182.	Esther Jido, Farmer	Lamu District, Witu Division
183.	Kitsao Katawa, Farmer	Lamu District, Witu Division
184.	Kahaso Kitsao, Farmer	Lamu District, Witu Division
185.	Zipora Wanjiru, Farmer	Lamu District, Witu Division
186.	Margaret Ruguru, Farmer	Lamu District, Witu Division
187.	Ibrahim Ndungu, Farmer	Lamu District, Witu Division
188.	Kadenge Ndawo, Farmer	Lamu District, Witu Division
189.	Sammy Gona, Farmer	Lamu District, Witu Division
190.	Kanze mwema, Farmer	Lamu District, Witu Division
191.	Christine Kafedha, Farmer	Lamu District, Witu Division
192.	Saladh Ndela, Pastoralist	Lamu District, Witu Division
193.	Ronald Mubwana, Farmer	Lamu District, Witu Division
194.	Charles Okumu, Farmer	Lamu District, Witu Division
195.	Kitsao Mlewa, Farmer	Lamu District, Witu Division
196.	John Komora, Farmer	Lamu District, Witu Division
197.	Peter Otieno, Farmer	Lamu District, Witu Division
198.	Huko Sawela, Pastoralist	Lamu District, Witu Division
199.	Athmani Ali, Farmer	Lamu District, Witu Division

200.	Omar Faraj, C.I.P.K.	Lamu District, Witu Division
201.	Mariam Somoeah, Farmer	Lamu District, Witu Division
202.	Athman Zein, Councillor	Lamu District, Witu Division
203.	Angelina Ogalo, Farmer	Lamu District, Witu Division
204.	Waride Wakadara, Farmer	Lamu District, Witu Division
205.	Adhan Guyo, Farmer	Lamu District, Witu Division
206.	Samuel abongo, Farmer	Lamu District, Witu Division
207.	James mwangi, Farmer	Lamu District, Witu Division
208.	Zahariya Abdalla, Farmer	Lamu District, Witu Division
209.	Mwanamisi Mbarahaji, Farmer	Lamu District, Witu Division
210.	George Fondo, Farmer	Lamu District, Witu Division
211.	Abdulla ijema, Chairman-Nyongoro Ranch	Lamu District, Didewaride
212.	Joseph Otijo Achira, Farmer	Lamu District, Witu Division
213.	Karisa Wanje, Farmer	Lamu District, Witu Division
214.	Samuel Karisa, Farmer	Lamu District, Witu Division
215.		Kadzo Karisa Wanje, Farmer
216.	Lamu District, Witu Division	
217.	Abdalla Adiwan, Farmer	Lamu District, Witu Division
218.	Gobu Bocha, Pastoralist	Lamu District, Witu Division
219.	Matthew Batakore, Herdsman	Lamu District, Witu Division
220.	Samuel Mungai, Farmer	Lamu District, Witu Division
221.	Kazungu Katana, Herdsman	Lamu District, Witu Division
222.	Kadzo Mangi, Farmer	Lamu District, Witu Division
223.	Japhet Mitsanze, Farmer	Lamu District, Witu Division
224.	Mungumba Charo, Farmer	Lamu District, Witu Division
225.	Salim Nassor, Farmer	Lamu District, Witu Division
226.	Ismak Kolosho, Farmer	Lamu District, Witu Division
227.	Ibrahim Goghana, Farmer	Lamu District, Witu Division
228.	Cecilliah Ng'ang'a, Social Worker, Farmer & Businessman	Lamu District, Witu Division
229.	Mariko Ondato, Farmer	Lamu District, Witu Division
230.	Abdul Rakaz, Farmer	Lamu District, Witu Division
231.	James Chengo, Farmer	Lamu District, Witu Division
232.	Charles Gesa, Farmer	Lamu District, Witu Division
233.	Karisa Kitsao, Farmer	Lamu District, Witu Division
234.	Rose Mwemi, Farmer	Lamu District, Witu Division
235.	Amina Moh'd, Farmer	Lamu District, Witu Division
236.	James Mari, Farmer	Lamu District, Witu Division
237.	Khadija Abdalla, Farmer	Lamu District, Witu Division
238.	Samuel Ongesa, Farmer	Lamu District, Witu Division
239.	Janet Zawadi, Farmer	Lamu District, Witu Division
240.	Zaiwab Gobu, Chairlady-M.Y.W.O.	Lamu District, Witu Division
241.	Rukia Adwan, Farmer	Lamu District, Witu Division
242.	Benjamin Nzomba, Farmer	Lamu District, Witu Division
243.	Garama Chikari, Farmer	Lamu District, Witu Division
244.	Faraj B. Buko, Farmer	Lamu District, Witu Division
245.	Pashutu Katite, Farmer	Lamu District, Witu Division
246.	Hindu Abudi, Farmer	Lamu District, Witu Division
247.	Asma Salim, Farmer	Lamu District, Witu Division
248.	Bule Kadara, Farmer	Lamu District, Witu Division
249.	Fatuma Moh'd, Farmer	Lamu District, Witu Division

250.	Maisha Iha, Farmer	Lamu District, Witu Division
251.	Lawrence Kazungu, Farmer	Lamu District, Witu Division
252.	Ilea Kapombe, Farmer	Lamu District, Witu Division
253.	Kadii Karisa, Farmer	Lamu District, Witu Division
254.	Geoffrey Wanjala	Witu, Konambaya area
255.	Kazungu Katana	Vipingoni Village
256.	Margaret Menza	Witu Division
257.	Katana Nyatt	Witu Division
258.	Japhet Mitsanze	Witu Division
259.	James Mweberi	Witu Division
260.	Wanyonyi	Witu Division
261.	Charles B. Okumu	Witu Division
262.	Huko Sawen	Witu, Moa Village
263.	Ronald Mukhwana	Witu Division
264.	F. K. Wanje	Witu Town
265.	Gawawa Dabasa, Security	Tana river District, Witu
266.	Aballa A. O.	Witu Division
267.	Yusuf Hassan, Conservationist	Lamu District, Didewaride
268.	Mohammed Golo	Witu, Moa Village
269.	Duncan Mwanjila	T.D.I.P
270.	Moses munyendo, Consultant	M.S.C
271.	Gayo salanoh, jounalist	-
272.	Daniel P. Hiribae, Agricultural Officer	Tana River, Witu
273.	Joseph S maro, Fisheries	Tana River, Witu
274.	Paul Maunayo, Tarda	Tana River
275.	Nelly Malika Abio, N.Y.W.A	Tana River
276.	Pamela Juda	MSC
277.	Douglas Kalo	MSC
278.	Shokole Olo	Lama
279.	Damaris Kiarie, HR/PR Manager	TARDA
280.	Dr. W. O. Ojwang, Research Scientist/ Consultant	KMFRI
281.	David Kallavi, PR/FR	TARDA
282.	Mama Hussein	-
283.	Ruki Anosa,	Didakalenede Village
284.	Mohammed Adlan,	Kitumbini Village
285.	Hassan Karissa,	Onido Village
286.	Gobu Shambaro	Onido Village
287.	Ismael Algi	Nairobi
288.	Goyo Godana	Onida Village
289.	Mahamud Abada	Keketa Village
290.	Patrick Charekwany	Konambaya Village
291.	Alii Teri	Moa Village
292.	Edmond Wanyera	Sororo scheme
293.	Alex Matanda	Konambaya Village
294.	Breyson Kanda	Konambaya Village
295.	Tara Kanchoru	Didawarede Village
296.	Mwanamizi	Witu Division
297.	Asha Zaituni	Witu Division
298.	Joseph Wanjala Khaemba	Witu Division
299.	Anah Wanyonyi	Witu Division
300.	Omar Dhado	Witu Division

**Preliminary**

The meeting started at 09.55 am with Christian and Muslim Prayers.

### **Minute 1: Communication from the Chair**

The Chairman (DO1, Richard .O. Nyanamba, Witu Division) called the meeting to order and introduced the staff of HVA International, MA Consulting Company, TARDA, Mumias Sugar Company (MSC), Tana River District and Administrative Government Officers present as per the list above.

- The Chairman highlighted that poverty, insecurity, poor agricultural production and poor pasture management systems are the most challenging issues/ problems in Lamu and Tana Districts
- He indicated that he will give equal chances randomly to men, women, youths, and leaders present.
- He requested people to register at the registration desk as evidence that they have participated in the EIA process.
- He requested the people to focus on the project and related issues.

### **Minute 2: Proposed Project Description**

- The HVA International representative, Mr. Kees Hopmans, highlighted on the following project components and activities:-
- The government of Kenya has shown great interest in development of the Lower Tana by supporting the proposed industrial complex.
- He indicated that the EIA and feasibility studies are currently undergoing until late October, 2007.
- The most difficult challenge to the consultant in the control of floods in the Tana floodplain. Various options are being worked out. Floods will be a thing of the past in the area.
- The project is composed of:-
  - A sugar factory
  - An ethanol factory
  - A co-generation plant
  - 20,000 ha of sugarcane plantation (Nucleus and Outgrowers)
- Other project supporting components/ facilities/ benefits of the project will include establishment of cattle dip facilities, establishment of abattoirs, improved livestock breeding technologies, development of schools, road networks/ bridges, electricity supply, water supply, hospital facilities, provision of 20,000 plus jobs, banking facilities, establishment of cottage industries, improved food security, establishment of eco-tourism projects, fish farming, etc.
- All villages in the project area will be incorporated into the project by being connected with road net works, water and electricity. The concept of Eco-villages will be the guiding principle.
- The project will have positive and negative impacts on grazing land and natural environment. Hence, the public needs to give us their views on the project.

### **Minute 3: Objectives of the consultation and public participation**

- Dr. Jacob Kibwage of HVA International /MA Consulting company outlined the following objectives of the Consultation and Public Participation (CPP) process as required in EMCA, (1999):-
  19. To disseminate and inform the stakeholders about the project with special reference to its key components, location and expected impacts.
  20. To create awareness among the public on the need for the EIA for the TSIP and its due process.

21. To gather comments, concerns and suggestions of the interested and affected parties.
  22. To ensure that the concerns of the stakeholders were known to the decision-making bodies and the developer at an early phase of project development planning.
  23. To establish a communication channel between the general public and the team of consultants, the MSC/TARDA and the Government.
  24. To incorporate the information collected in the study by EIA specialists
- He emphasised that the purpose for such a process was to identify the positive and negative impacts/concerns and subsequently promote and mitigate them, respectively. It also helped in identifying any other miscellaneous issues which may bring conflicts in case project implementation proceeds as planned.

#### **Minute 4: Comments and Issues raised by the community**

- The key issue/concern of the people is that TARDA has had no successful project so far in the region, hence they have some doubts on their partnership with Mumias Sugar Company
- It was requested by the people that the Saka area should not be touched because of its importance to livestock grazing.
- The people said that the 500 ha in Lamu District is too small and they may not benefit at all.
- It was resolved that the locals educational needs should be considered when designing the CSR strategy for the project. Most of the community members especially pastoralists hardly send their children to school due to lack of exposure. The area has also very limited schooling and health facilities. It was a request that social amenities that may arise due to the project be extended into the interior to open up the region at large.
- Boreholes, wells, permanent and seasonal ox-bow lakes and wetlands (including Tana River) were the main source of water for domestic animals, household use, wildlife, fish and local irrigation of rice and maize by the farmers. Lakes also act as important fresh fish breeding grounds. Important lakes in the project surrounding area should be protected.
- Due to the long-term dependency on the relief food in Tana River and Lamu districts, a strong food security component must be introduced alongside the proposed project. Provision of free gravity irrigation water for Lower Tana Village Irrigation Projects (LTVIP) for the villages inside the project area was requested by the residents. The farmers requested to be assisted in the expansion of former rice irrigated land by providing technical and logistical support. The people wanted to know why there was a proposal for introduction of a sugar factory and not a milk factory. The Chairman however informed the public that that milk factory will be looked at in future when the people start zero-grazing units.
- Emphasis of the members was how the people within the TARDA land will be affected during the project implementation and operation stage. There arose concerns about where those displaced by the project within the project area would be resettled.
- The locals appreciated the fact that the development would offer much employment opportunities but there must be provision of permanent settlements.

- The stakeholders also indicated that if the project has to proceed, it is important that all forest patches and wetland pockets within and around the project area are exclusively protected for the animals, birds and wildlife purposes.
- Some concerns were that the project money will be embezzled due to corruption as evidenced in previous government projects. However, it was clarified that, MSC was a private company with a good performance record
- There was a strong recommendation that future meetings should not be held on Fridays as it is a day of worship for the Muslims.
- Women expressed concerns that most projects in the region discriminate against them in decision making process yet they are the most affected in terms of poverty and unemployment. It was revealed that the women supported the project but requested for jobs especially where no academic certificates are required, e.g compound rubbish collection, office cleaning, etc.
- There was fear expressed by the livestock farmers (mainly the pastoralist communities) that the implementation of the project will replace their current grazing land for cane growing and the other fear is that the project will reduce livestock watering points along the river and interfere with the livestock corridors .
- The women who strongly supported the project indicated that they preferred local livestock to be replaced with zero grazing systems because the traditional animals take a lot of their time with very little milk returns.
- It was indicated that most of the poor pastoralists were supportive of the project while only the few rich pastoralists were opposed to the project.
- It was reported that the unemployment in the project area is extremely high among school leavers. Most youths without any formal education are engaged mainly in cattle grazing. Illiteracy levels are also high in the area. Because of this background the community members raised fears that casual labourers may be imported from other places in Kenya, yet they have a large base of cheap labour /workforce amongst unemployed youth.
- The youth expressed their support to the project due to the employment opportunities envisaged such as driving and provision of security services, cane cutting, etc.
- Locals felt that the proponent should assist in upgrading the existing infrastructure (especially roads and bridges.). The participants requested that the road to Lamu need to be done before the project begins.
- Some members mentioned that a lot of projects e.g the rice project had failed before in the Tana Catchment. The people wondered why MSC can't revive the dying sugar factories in western Kenya like Muhoroni and Miwani!
- Currently there is great competition between MSC and MAT international Ltd sugar project in the upstream of the current project. It was agreed that both projects should be harmonized in the long term to ensure local environmental sustainability and optimization of benefits to the local communities.
- It was noted that the late Bruce Makenzie (Minister of Agriculture) in late 1960s had recommended sugar cane cultivation in the proposed project area

#### **A.O.B**

There being no any other business, the meeting was officially called off by the Chairman at 5.10pm.

**Confirmed and Approved for Circulation**

Chairman (Mr. Richard .O. Nyanamba, DO1, Witu Division, on Behalf of District  
Commissioner, Lamu, District

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Secretary/ Rapporteur (Dr. Jacob K. Kibwage)



\_\_\_\_\_  
29<sup>th</sup> October, 2007

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Signature

\_\_\_\_\_  
Date

**Minutes of the EIA public meeting held at Nairobi, Serena Hotel on the Proposed Tana Integrated Sugar Project on 30-08-2007**

**Members of the Public Present**

- |     |  |                                    |
|-----|--|------------------------------------|
| 1.  | Prof. J. Kahindi, Microbiologist, Chairman, USIU, Nairobi,               | Tel. 0722705015                    |
| 2.  | Dr. J. K. Kibwage, Environmental Planner, Secretary, MA consulting/ HVA, | Tel. 0722479061                    |
| 3.  | Kees Hopmans   | HVA Team Leader                    |
| 4.  | Phyllis Gichuli, Ass. Prog. Director                                     | EAWLS                              |
| 5.  | Lawrence Kihuha, Journalist, Nairobi                                     | Tel. 0726542635                    |
| 6.  | Titus Wamae, Programs Officer, CREEL                                     | Tel. 0720435286                    |
| 7.  | Humphrey Mwate,  | Consultant JICA                    |
| 8.  | Damaris Kiare  | TARDA                              |
| 9.  | J. Karanja   | TARDA                              |
| 10. | R. Mwendach  | TARDA                              |
| 11. | Hezekiah Mbogo, E. Auditor Environmentalist                              | Tel. 0727042801                    |
| 12. | Cyrus Mwai, E. Auditor Environmentalist                                  | Tel. 0724801214                    |
| 13. | M.R. Juma, Farmer  | Tel. 0733896789                    |
| 14. | Maina Kironji, EIA/EA EXPERT   | Tel. 0725856436                    |
| 15. | George Okor, Public  | Tel. 0722880842                    |
| 16. | Kennedy Mongare, Journalist  | Tel. 0722352359                    |
| 17. | James Wahome, Sugar Research   | Tel. 0722826304                    |
| 18. | David Stower, PS/MD  | Tel. 2733745                       |
| 19. | S. Muturi, Sugar Researcher  | Tel. 0722853461                    |
| 20. | Evans Kaiga, CIA MUMIAS  | Tel. 0722469270                    |
| 21. | David Mutinda, TARDA   | Tel. 0725105474                    |
| 22. | Dr. A.M.Muthee   | MA consultant                      |
| 23. | Ali Muhammed, Geologist  | Nairobi                            |
| 24. | Alfelt Gunda, NIB Director ICT Consultant                                | Tel. 0723510586, Tel. 0733604740   |
| 25. | James Ngeno, HVA   | Tel. 0725399876                    |
| 26. | C.O.Majengo  | Tel. 0720303770                    |
| 27. | Hon. Wario Ali, MP   | Tel. 0723206089                    |
| 28. | Mwaka Mungatana, Engineer  | Tel. 0722705723                    |
| 29. | Dr. George Wamukoya, Lawyer  | Tel. 0733810415                    |
| 30. | Ahmed A.Shukri   | Tel. 0724085505                    |
| 31. | Ngure Mwaniki, MA Consultant   | Tel. 0733761231                    |
| 32. | Peter Odhiambo   | Tel. 3874145                       |
| 33. | BECHA H.B ,  | Director EAWLS                     |
| 34. | Muhamed Golo   | Tel. 0720753335                    |
| 35. | Nelly M. Abio, chairlady M.Y.W.O   | Tel. 0725107128                    |
| 36. | Mary H.Khoma   | Tel. 0729291106                    |
| 37. | Kuno Baraka  | 0726580323                         |
| 38. | Juli Relivey   | Box 672, Malindi                   |
| 39. | Charlie M. c/o NNOR, SAFARIS   | Box 24988, Nairobi                 |
| 40. | Prof Paul Mbugua, Animal Scientist                                       | Nairobi                            |
| 41. | Joshua Jara, Airline manager   | Box 19002, Nairobi, Tel 0736521506 |
| 42. | Eric Omondi, AWEMAC/KIEA   | Box 14903, Nairobi                 |
| 43. | David Kallavi  | TARDA NAIROBI                      |
| 44. | Mercy Chiuri, HVA/MA Consultant  | Box 24054, Nairobi                 |
| 45. | Kanchoru Gollo, Herdsman   | Box 96, Garsen                     |

46.	Saladi Dadi, village Herdsman	Box 1 Garsen
47.	Huko Sanen, village elder	Box 1 Garsen
48.	Osman Wako, TARDA	Box 91, Garsen
49.	Edward M.Yesse, TADEP	Box 30599, ,Nairobi
50.	Gathogo Ngugi, EIA Expert	Box 16503, Mbagathi
51.	Lily Murei, M&E KENYA ALLIANCE	Box 2177-20100, Nakuru
52.	Thuita Thenyu, EIA Expert	Box 72335, Nairobi
53.	Aggrey Wanyali, Agric Consultant	Box 450, Bungoma
54.	Daniel Kimani, Hydrologist	Box 1289-00621
55.	Komora, Businessman	Box 26456, NAIROBI
56.	Eng. L. J. Awori, Consultant Engineer	Box 44947, Nairobi
57.	Japheth A.Moroa, conservationist	Box 26456, Nairobi
58.	Oyuke John, Journalist	Nairobi
59.	J.Wachie, Journalist	Box30800, Nairobi
60.	Pamella Lutta	MSC
61.	Judith Orina, Environmental consultant	Box 638991, Nairobi
62.	Pekaba, journalist	Nairobi
63.	Muturi James, Journalist	Nairobi
64.	Roselyne Taabu, Journalist	Nairobi

#### **Comments, suggestions and Issues raised by the stakeholders**

- There were concerns and fear by livestock farmers (mainly the Pastoralist community) that the implementation of project will replace their current grazing land for cane growing. They also feared that the project will reduce livestock watering point along the river and interfere with livestock corridors.
- Some NGOs based in Nairobi expressed concern on the negative environmental impacts expected from the proposed project. At the foremost, the project is within the Tana River delta which is one of the most Important Bird Areas (IBAs) in Kenya. This is a stronghold on the near threatened species, Malindi pipit and Basra reed warbler. Internationally important bird population have also been recorded in the Tana delta for about 20 species. The delta also houses one of the very few breeding sites for colonial water birds and other migratory birds in Kenya. It was reported that there are so many bird species in the area especially *Pipit* species. How will the project ensure not interference to these bird areas?
- The stakeholders also indicated the importance of the Tana delta for other wildlife apart from birds. They indicated that the delta lies in the expanse, intactness variety and productivity of its habitats. The floodplain supports a number of animals like the Topi, a few lions, elephants, red collobus, crested mangabey etc. the river channel sand lakes also support a large number of hippopotamus and Nile crocodiles , dugong and marine turtles. If the project has to proceed, it is important that all forest patches and wetland pockets within and around the project area are exclusively protected for the birds and wildlife purposes.
- Due to the long-term dependency on the relief food in Tana River and Lamu district, a strong food security component must be introduced alongside the proposed project.
- It was reported that there has been fear that there is political (from Kenya Government) and economic (COMESA region) pressure to start the sugar project.

- It was also noted that TARDA has not given the public a project document to date for examination of their proposed project.
- There was need for clarification of conflicting public information on the 33,000ha, 20,000ha of land covered by the TARDA/MSR project. Is the 4000ha of out growers expected to be part of the project? The participants expect all these figures clarified in the final EIA report.
- The public questioned whether the project is a Private venture or private-public ventures. The public should be informed at every stage the kind of partnership proposed.
- Discussion on the Galana Ranch in the meeting was questioned because it was not in the TOR. However, the consultant clarified that it will be considered as a mitigation measure.
- A member mentioned that there were 15 villages within TARDA concessional land and they should not be displaced by force or be re-settled without their consent.
- According to government officials and Kenya Sugar Research Foundation, the country is faced with acute sugar deficit. Therefore, this calls for intervention measures such as the Tana Delta Integrated Sugar Project.
- The members were informed that MAT has also acquired land in Tana River and Lamu Districts and it is in the process of planning their project.
- The participants emphasised the need for a Master Plan for TARDA that will determine the current and future sustainable development strategies of the area.
- It was suggested that MSR/TARDA should consider the integration of dairy plant/ milk processing, animal feeds plant depending on their cost and economic viability.
- Both the pastoralist and the farmers' stakeholders who presented their views during the meeting believe that the delta resources are a special gift from God to the local people. They believe that this is implied both in the Koran and in the Holy Bible. Hence, the locals greatly appreciated when the proponent gave them a chance to participate into the decision making process concerning the proposed project. With this background, they insisted that the MSR/TARDA must negotiate and formulate an MOU with the local community leaders to ensure the resources are sustainably utilized for the benefit of every body and the delta is conserved.
- Questions were raised on who proposed the sugar project for the Tana Delta. Was it proposed by the local people? Agricultural scientists? Government? The public were informed that the proposal was made in late 1960s.
- It was argued that there is a lot land in Maasai Mara and elsewhere and why was TARDA land chosen for sugar cane project? The public were informed that sugar cane does well in low altitudes and areas of high humidity, hence it matures faster and sugar content is high.
- Since its inception over 30 years ago, TARDA has planned and implemented many projects including but not limited to the following: Masinga Multipurpose reservoir, Kiambere reservoir, Hola irrigation project, Masinga irrigation project, Tana delta irrigation projects and other small ones. The public observed that by the change of government policy in 1988 and the subsequent power sector reforms, TARDA lost some of its core income generating projects. The problem

later was compounded by the enactment of the Water Act 2002 which did not make reference to TARDA in terms of water use within Tana and Athi Rivers. Some members mentioned that a lot of projects, rice projects etc. have failed before and have no assurance that the current project will be any better.

- Some members wanted to know who owned the TARDA land because records indicate that TARDA have no title deed to date because it failed to honour conditions given and several cases in courts.
- Inquiries were made on whether the project was to be carried within EMCA, 1999 and international conventions which protect the delta. The public were assured that the exercise will be as comprehensive as possible.
- It was suggested that the Water Act, Wildlife Act, EMCA's relevant sections and other relevant legislations should be reviewed comprehensively for compliance by the proposed project
- It came to the attention of the members present that there is a gazette notice on Tana Delta that the government presented at COMESA court opposing a shrimp farming project at coast, near Kipini, near the mouth of Tana River.
- Inquiry was made on what the key issues were identified before the TOR was presented to NEMA. The members were briefed about them and requested to visit NEMA for access of the TOR.
- The MSC/TARDA partnership venture should consider equity that will include local people have who are the original land owners because it was allocated to TARDA.
- A strong, well-negotiated and community-based CSR strategy will be required for the local people to benefit.
- The consultants were challenged to study into detail the impact of the project to the ox-bow lakes, birds, forests, fish crocodiles and other natural resources.
- The project proponent was requested to show clearly what will happen to the river, aquatic live in the river or other living organisms that depend on the river for their survival.
- It was emphasised that the project must meet the NEMA and international environmental standards.
- The impacts expected in form of increased sedimentation downstream after water diversion for irrigation should all be addressed.
- The proponent was also requested to make available a proper definition of wetland and proper mapping of the wetlands that are within the Tana River Delta.
- The proponent was reminded that it is a government policy that public participation was necessary where local community members are to be given a 'stake' in the project to ensure local ownership.
- The local people support the project because of the high levels of poverty, and unemployment in the area.
- The poor pastoralists support the project. They however argued that the portion of land given to sugarcane production should be reduced if possible to give enough area for grazing animals.
- It was stressed further that the value of the wetlands in the delta should be taken into consideration during the project cycle.

- It was agreed that hiving of the Galana ranch for community use was a good idea because the animals' diseases will be reduced.
- It was foreseen that the project will open opportunities for the youth/ children that have no access to education, employment opportunities and other social benefits.
- MSC/TARDA as the developer was to speed up the land adjudication process before the project starts.
- It was suggested that most of the procurement should be provided by the people of Tana River/ Coast.
- A suggestion was also made about putting in place a programme to train the locals in cane cultivation and processing.
- The members were informed that the NIB is currently reviving all its projects upstream and downstream. Questions arose of whether there will be enough water for every need and use.
- It came to the attention of members that more information is needed on previous small-scale irrigation projects and if those locals who were displaced were compensated, whether they owned the rice projects, and whether locals and TARDA have allocation letters.
- It was suggested that a strong partnership with the local community will determine the success of this project. Participation is expected in recruitment, materials procurement, sharing of profits, CSR, etc.
- The KESREF findings indicated that Tana Delta has a potential of responding to challenges in the sugar industry due to favourable climatic and agronomical conditions. The public were informed that pre-feasibility studies have shown that maturity of sugar cane at the Tana river Delta would take 10-11 months and production will be about 130 tonnes /ha as compared to western Kenya where cane takes 18-24 months and yields less than 100 tonnes/ha.
- The area has very limited schooling and health facilities. Most of the community members especially pastoralists hardly send their children to school. It was a request that social amenities that may arise due to the project be extended into the interior to open up the region at large.
- It was requested that a fair judgement be made in the EIA process and final conclusion on the project.

A.O.B

There being no any other business, the meeting was officially called off by the Chairman at 1.35pm.

Confirmed and Approved for Circulation

Chairman (Prof. J. Khahindi, International United States University, Nairobi)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Secretary/ Rappoteour (Dr. Jacob K. Kibwage)

A handwritten signature in black ink, appearing to be 'Gavin' followed by a flourish.

29<sup>th</sup> October, 2007

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Signature

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Date