



REPUBLIC OF KENYA

TANA RIVER COUNTY

**FIRST COUNTY INTEGRATED
DEVELOPMENT PLAN
JULY 2013 - June 2018**

KENYA

Towards a Globally Competitive and
Prosperous Nation

September 2013

COUNTY VISION AND MISSION

Vision: A secure, just, cohesive, democratic, accountable, transparent and conducive environment for a globally competitive and prosperous county.

Mission: To ensure effective and accountable leadership, promote a just, democratic and secure environment and establish strong governance institutions to empower citizens, for the achievement of socio-economic and political development.

FOREWORD

One of the most significant changes introduced to Kenya's national governance framework under the new constitutional dispensation is 47 new county governments with significant responsibilities in agriculture, health, trade, roads, county planning and other functions being devolved to the county level. The Constitution of Kenya 2010, the Kenya Vision 2030 and its Medium Term Plans, the County Development Profile (CDP) provided the foundation for the preparation of the first County Integrated Development Plan (CIDP) for Tana River County that will be used in the allocation of scarce resources to priority programmes and projects.

The Kenya Vision 2030 is the country's development blueprint covering the period 2008 to 2030. It aims to transform Kenya into a newly industrializing, middle-income country providing a high quality life to all its citizens by the year 2030. The Vision is based on three pillars: Economic, Social and Political Pillar. The pillars are supported by key enablers and macro foundations of the Vision. For each of the Pillars and the key enablers and macro foundations, priority sectors have been identified to drive the aspirations of the Vision. The Vision has also identified a number of flagship projects to be implemented across the country for all sectors. It is envisaged that the County Governments will identify Vision 2030 flagship projects and programmes that will be implemented at county level and work with the national government to ensure these are realized.

Since the promulgation of the Constitution in 2010, several laws on devolution have been enacted including: The urban Areas and Cities Act, 2011, the County Governments Act, 2012, the Transition to Devolved Government Act, 2012, the Intergovernmental Relations Act, 2012 and the Public Finance Management Act, 2012, the National Government coordinating Act, 2012, and the County Governments Public Finance Management Transition Act, 2013.

The County Governments Act, 2012 and Public Finance Management Act, 2012 require every county to prepare a County Integrated Development Plan (CIDP) upon which utilization of funds earmarked for the counties will be expended.

The County government is composed of the County Executive and County Assembly. The County Executive is expected to supervise the administration and delivery of services to

citizens as well as conceptualize and implement policies and county legislation. The County Assembly is a legislative organ and will play an oversight role over the Executive. The County Governments are required to prepare Integrated Development Plans to enable prioritization of local socio-economic development issues. The County Government responsibilities and functions are specifically spelt out under the Fourth Schedule of the Constitution.

The Commission on Revenue Allocation will make recommendation for equitable sharing of revenues raised nationally between the national and the county Governments; and sharing of revenue among the county Governments.

The preparation of the CIDP, which was purely as per the Ministry of Devolution and Planning guidelines, was a participatory process that involved various stakeholders namely county and national government officers, community members, private sector, Public Benefit Organizations (PBOs), civil society organizations and other development partners. The identification of the projects and programmes in the CIDP also involved various public consultative forums held at ward level. The views collected in the forums were consolidated by the County Planning Unit and subjected to the stakeholders for validation. Subsequently the document was handed over to the County Executive for onward forwarding to the County Assembly for approval and adoption.

The County Integrated Development Plan is a five year blue print that highlights the socio-economic challenges faced by the County, strategies for resources mobilization, projects and programmes to be implemented to address the socio-economic challenges.

SIGNED BY;

**H.E. Amb. Hussein Tuney Dado,
Governor,
Tana River County.**

ACKNOWLEDGEMENTS

The first Tana River County Integrated Development Plan was prepared with the support and generous contribution of many individuals and organizations. I would like to appreciate the efforts made by H.E the Governor Hussein Tuney Dado, the deputy Governor Mr. Siyad Jire, members of the County Assembly, members of the county executive, heads of county and national government officials, representatives of Public Benefit Organization (PBOs), Private Sector players and members of the public for their selfless contribution towards the preparation of this blue print.

I would also like to thank Hon. Ali Bule - the Senator of Tana River County, Hon. Dr. Nuh Nassir-the speaker of Tana River County Assembly, Mr. Enoc Galgalu- the Economic Advisor to the Governor, various heads of departments for their support and leadership. I would like to appreciate the role played by the entire county government staff for coordinating and facilitating the planning team led by the County Development Planning Officer; Mr Lennox Chilumo Mbwana, Sub-County Development Planning Officer; Mr Sylvester Saburi Mwazama, Sub County Field Operations Assistants; Mr. Katana Kaingu Ndune, Mr. Mathew Babwoya and Mr. Nicholus Mwaniki Nyaga.

I am also grateful for the support given by the Medium Term Asal Programme (MTAP/DANIDA) headed by the Planning Officer Mr. Fredrick Aloo for both technical and financial support.

Last but not least, I would like to pay special tribute to the late Dr. Mandra Badiribu, the then Economic Advisor to the Governor, for having spearheaded the preparation of the First Tana River County Integrated Development Plan.

Jillo Algi,
CECM, Finance and Economic Planning.

EXECUTIVE SUMMARY

Tana River County is one of the six Counties in the Coast region. It borders Kitui County to the West, Garissa County to the North East, Isiolo County to the North, Lamu County to the South East and Kilifi County to the South. The county lies between latitudes 0°0'53" and 2°0'41" South and longitudes 38°25'43" and 40°15' East. The county has a total area of 38,862.2 Km² with a projected population of 276,567(KNBS, 2014) and covers about 76 kms of the coastal strip.

The County is composed of three administrative sub-counties namely; Bura, Galole, Tana Delta, three constituencies namely; Galole, Bura and Garsen and 15 electoral wards,

The CIDP articulates medium term policies and objectives which are further translated into short term strategies, programmes and projects to be implemented under the Medium Term Expenditure Framework (MTEF). The latter is part of the financial reforms to strengthen financial discipline, accountability and efficient and effective delivery of services to the people.

The CIDP is organized in eight chapters. These are as follows;

Chapter One: The chapter gives the background information on the socio-economic and infrastructural information that has a bearing on the development of the county. It provides description of the county in terms of the location, size, physiographic and natural conditions, demographic profiles as well as the administrative and political units. In addition, it provides information on infrastructure and access; land and land use; community organizations/non-state actors; crop, livestock and fish production; forestry, environment and climate change; mining, tourism, employment and other sources of income; water and sanitation; health access and nutrition, education and literacy, trade, energy, housing, transport and communication, community development and Social Welfare.

Chapter Two: The chapter contains information on the major development challenges and cross cutting issues that affect the development of the County and needs to be addressed to improve the communities' standard of living. It also provides a matrix of analysis outlining

major development issues, their causes, county development objectives, targets to be achieved and proposed strategies

Chapter Three: The chapter outlines the County Spatial Development Framework which is built up from the County Integrated Development Plan (CIDP).

The framework relied upon secondary and primary data source.

The County Spatial Framework critically locates the programmes and projects on areas of need and high potential for optimum utilization and meeting the needs of the communities to spur the development of the county.

Chapter Four: The chapter describes the linkages of the County Integrated Development Plan with the county sectoral plans, county spatial plans, sub-county plans, national plans and international commitments made by the government such as the MDGs and how they apply to the county.

Chapter Five: The chapter provides the institutional framework and organizational flow chart that will guide the implementation of the County Integrated Development Plan. It outlines the stakeholders in the County, and the roles that they will play and how their functions are accommodated to avoid duplication of efforts.

Chapter Six: The chapter outlines the approach that will be adopted by Tana River County in managing the resources, fiscal framework and financing of deficits. It emphasizes prudence in the management of the county assets and expansion of the revenue base, within the legal framework.

Chapter Seven: The chapter presents a highlight of projects and programmes identified in various forums including, Kenya Vision 2030 and the first MTP dissemination forums; MTEF consultative forums; the 2nd MTP Consultations, other development consultations at other devolved levels and departmental heads. The chapter presents the projects and programmes as follows; Ongoing projects, (flagship and others), stalled projects, outstanding/unfunded projects and new proposals.

The information is presented based on the Medium Term Expenditure Framework budgeting system. Nine sectors have been used, namely, Agriculture and Rural Development; General Economic, Commercial and Labor Affairs; Energy, Infrastructure and ICT; Environmental

Protection, Water and Housing; Health; Education; Governance, Justice, Law and Order; Public Administration and International Relations; and Social Protection Culture and Recreation.

Chapter Eight: The chapter provides information on the on-going programmes and projects in the County. It specifies objectively verifiable indicators that shall be used to monitor the implementation of the programmes and projects. It also sets mid-term milestones for impact assessment.

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ABBREVIATIONS AND ACRONYMS

ACU	AIDS Control Unit
AIDS	Acquired Immune Deficiency Syndrome
ALLPRO	ASAL Based Livestock and Rural Livelihood Support Programme
ALRMP	Arid Lands Resource Management Programme
ART	Anti-Retroviral Therapy
ASAL	Arid and Semi-Arid Lands
ATM	Automated Teller Machine
BCC	Behavioural Change Campaign
C-YES	Constituency Youth Enterprise Scheme
CACC	Constituency Aids Control Coordinator
CAEO	County Adult Education Officer
CAP	Community Action Plan
CBO	Community Based Organisation
CCC	Comprehensive Care Centre
CDA	Coast Development Authority
CDC	Constituency Development Committee
CDF	Constituency Development Fund
CDO	County Development Officer
CDP	County Development Plan
CDTF	Community Development Trust Fund
CEC	County Executive Committee
CFRD	County Focus for Rural Development
CHW	Community Health Worker
CIDC	County Information Documentation Centre
CIDP	County Integrated Development Plan
CIG	Common Interest Group
CIP	Community Implementation Plan
CLPO	County Livestock Production Office
CMEC	County Monitoring and Evaluation Committee
CNSP	Children in Need of Special Protection
CoDC	Community Development Committee
CPMR	Community Project Monitoring Report

CPU	County Planning Unit
CRMLF	County Roads Maintenance Levy Fund
CVO	County Veterinary Office
CWSB	Coast Water Services Board
DANIDA	Danish International Development Agency
ECDE	Early Childhood Development Education
ERS	Economic Recovery Strategy
FBO	Faith-Based Organisation
FPE	Free Primary Education
FSE	Free Secondary Education
GOK	Government of Kenya
HCDA	Horticultural Crops Development Authority
HIV	Human Immunodeficiency Virus
ICT	Information Communication Technology
IMCI	Integrated Management of Childhood Illnesses
I.T	Information Technology
KAPP	Kenya Agriculture Productivity Programme
KEPI	Kenya Expanded Programme on Immunization
KESHA	Kenya Sustainable Health Aid
KFS	Kenya Forest Service
KPLC	Kenya Power and Lighting Company
KRB	Kenya Roads Board
KTB	Kenya Tourist Board
KWS	Kenya Wildlife Services
LATF	Local Authority Transfer Fund
LDC	Locational Development Committee
MDG	Millennium Development Goals
MOH	Ministry of Health
MoR&PW	Ministry of Roads and Public Works
MTEF	Medium Term Expenditure Framework
NACC	National AIDS Control Council
NALEP	National Agricultural and Livestock Extension Programme
NCPB	National Cereals and Produce Board
NEMA	National Environmental Management Authority

NGO	Non Governmental Organization
OPEC	Organisation of the Petroleum Exporting Countries
OVC	Orphans and Vulnerable Children
PEP	Post Exposure Prophylaxis
PICD	Participatory Integrated Community Development
PLWHAs	People Living with HIV and AIDS
PMC	Project Management Committee
PMTCT	Prevention of Mother to Child Transmission
PM&E	Participatory Monitoring and Evaluation
PRA	Participatory Rural Appraisal
PRSP	Poverty Reduction Strategy Paper
RPD	Rural Planning Directorate
PWD	People with Disabilities
SACCO	Savings and Credit Cooperative Society
SIDA	Swedish International Development Agency
SIP	Sectoral Investment Programmes
SRA	Strategy for Revitalising Agriculture
SWG	Sector Working Groups
SWOT	Strengths, Weaknesses, Opportunities and Threats Analysis
TARDA	Tana and Athi River Development Authority
TBA	Traditional Birth Attendant
TRCG	Tana River County Government
UNICEF	United Nations Children's Fund
VCT	Voluntary Counselling and Testing
VDC	Village Development Committee
WARMA	Water Resource Management Authority
WRUA	Water Resource User Association

**CHAPTER ONE:
COUNTY GENERAL INFORMATION**

1.0 INTRODUCTION

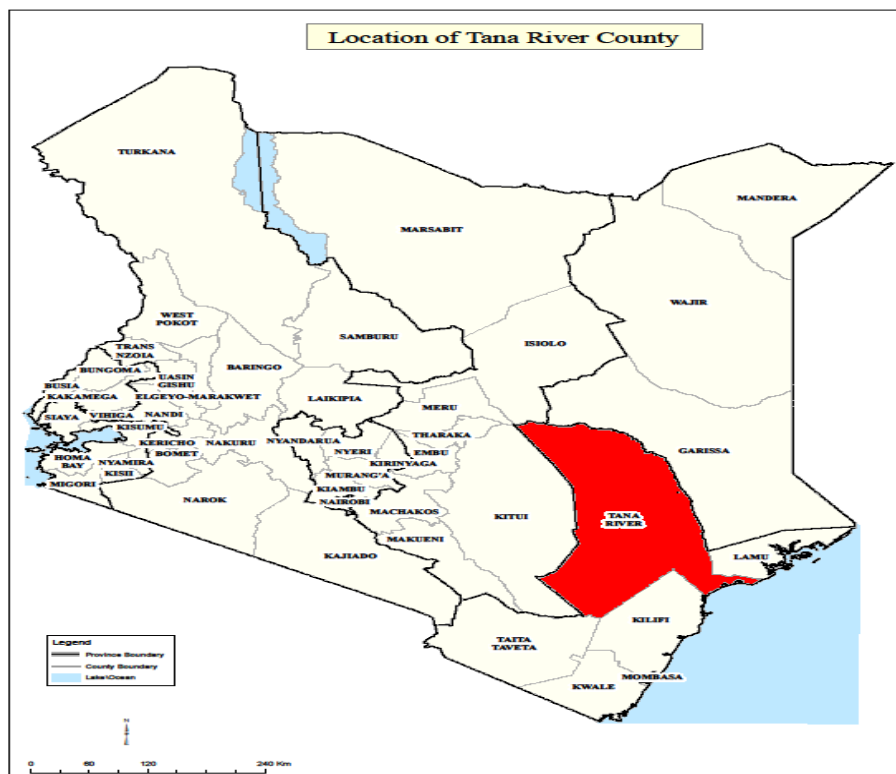
This chapter gives the background information on the socio-economic and infrastructural information that has a bearing on the development of the county. It provides description of the county in terms of the location, size, physiographic and natural conditions, demographic profiles as well as the administrative and political units. In addition, it provides information on infrastructure and access; land and land use; community organizations/non-state actors; crop, livestock and fish production; forestry, environment and climate change; mining, tourism, employment and other sources of income; water and sanitation; health access and nutrition, education and literacy, trade, energy, housing, transport and communication, community development and Social Welfare.

Detailed data is presented in the fact sheet which is given in appendix I.

1.1 Position and Size

Tana River County is located in the coastal region of Kenya. The county borders Kitui County to the West, Garissa County to the North East, Isiolo County to the North, Lamu County to the South East and Kilifi County and Indian Ocean to the South. The county straddles between latitudes $0^{\circ}0'53''$ and $2^{\circ}0'41''$ South and longitudes $38^{\circ}30'$ and $40^{\circ}15'$ East and has a total area of 38,862.20 Km². The county has a coastal strip of only 76 Km.

Figure : Map of Kenya showing the location of the county (Marked in red)



Source: Tana River County Development Planning Office, 2012

1.2 Physiographic and Natural Conditions

1.2.1 Physical and Topographic Features

The major physical features in Tana River County is an undulating plain that is interrupted in a few places by low hills at Bilibil (around Madogo) and Bura administrative sub-units which are also the highest points in the county. The land in Tana River generally slopes south eastwards with an altitude that ranges between 0m and 200m above sea level.

The most striking topographical feature is the river Tana that traverses the county from the Aberdares in the North to the Indian Ocean in the South covering a stretch of approximately 500km. Besides the river Tana, there are several seasonal rivers in the county popularly known as *lagas*, which flow in a west-east direction from Kitui and Makueni Counties draining into river Tana and eventually into the Indian Ocean. The river beds support livestock as well as wildlife during the dry season since they have high ability to retain water. River beds are most appropriate sites for shallow wells, sub-surface dams as well as earth pans. However, these *lagas* are also major bottlenecks to road transport as they cut off roads during rainy seasons making the county virtually land locked.

1.2.2 Ecological conditions

The county is divided into four agro- ecological zones namely: CL 3 Coconut – Cassava zone (non ASAL), CL4 Cashew nuts- Cassava zones where the main economic activity is peasantry mixed farming; CL5 Lowland Livestock zone and CL6 Lowland Ranching zones where the locals are involved in pastoral activities. The soils range from sandy, dark clay and sandy loam to alluvial deposits. The soils are deep around the riverine environments but highly susceptible to erosion by water and wind. Soils in the hinterlands are shallow and have undergone seasons of trampling by livestock, thus are easily eroded during rainy seasons.

The vegetation ranges from scrubland to thorny thickets within the riverine area. Shrubs and annual grasses dominate most parts of the region. However, there are enclaves of trees and perennial grasses dominating wetter parts. An invasive tree species called *Prosopis juliflora*, commonly known in the area as ‘*Mathenge*’ (after the person who introduced it) has spread rapidly in the area and is threatening to replace most of the indigenous vegetation. It was introduced for fuel-wood production in the Bura Pilot Irrigation Scheme. It grows fast and chokes other vegetation, watering points and the canals, and is colonizing most of the areas that are not cropped, including the riparian environments.

1.2.3 Climatic Conditions

The region has a hot and dry climate within ecological zones ranging from III (in the very high grounds) to VII (in the plains or lowlands). Average annual temperatures are about 30⁰C with

the highest being 41⁰C around January-March and the lowest being 20.6⁰C around June-July. Rainfall is low, bimodal, erratic and conventional in nature. The total annual rainfall ranges between 280 mm and 900 mm with long rains occurring in April and May, short rains in October and November with November being the wettest month. The Inter Tropical Conventional Zone (ITCZ), which influences the wind and non-seasonal air pattern for the river Tana, determines the amount of rainfall along the river line. The dry climate in the hinterland can only support nomadic pastoralism.

1.3 Administrative Units

1.3.1 Administrative Subdivision

The county is divided into three (3) administrative units namely; Bura, Galole and Tana Delta, nine (9) divisions, 15 wards, forty five (45) locations and ninety six (96) sub-Locations.

Table 1 shows the area of the county by administrative units.

Table : Area of the County by administrative units

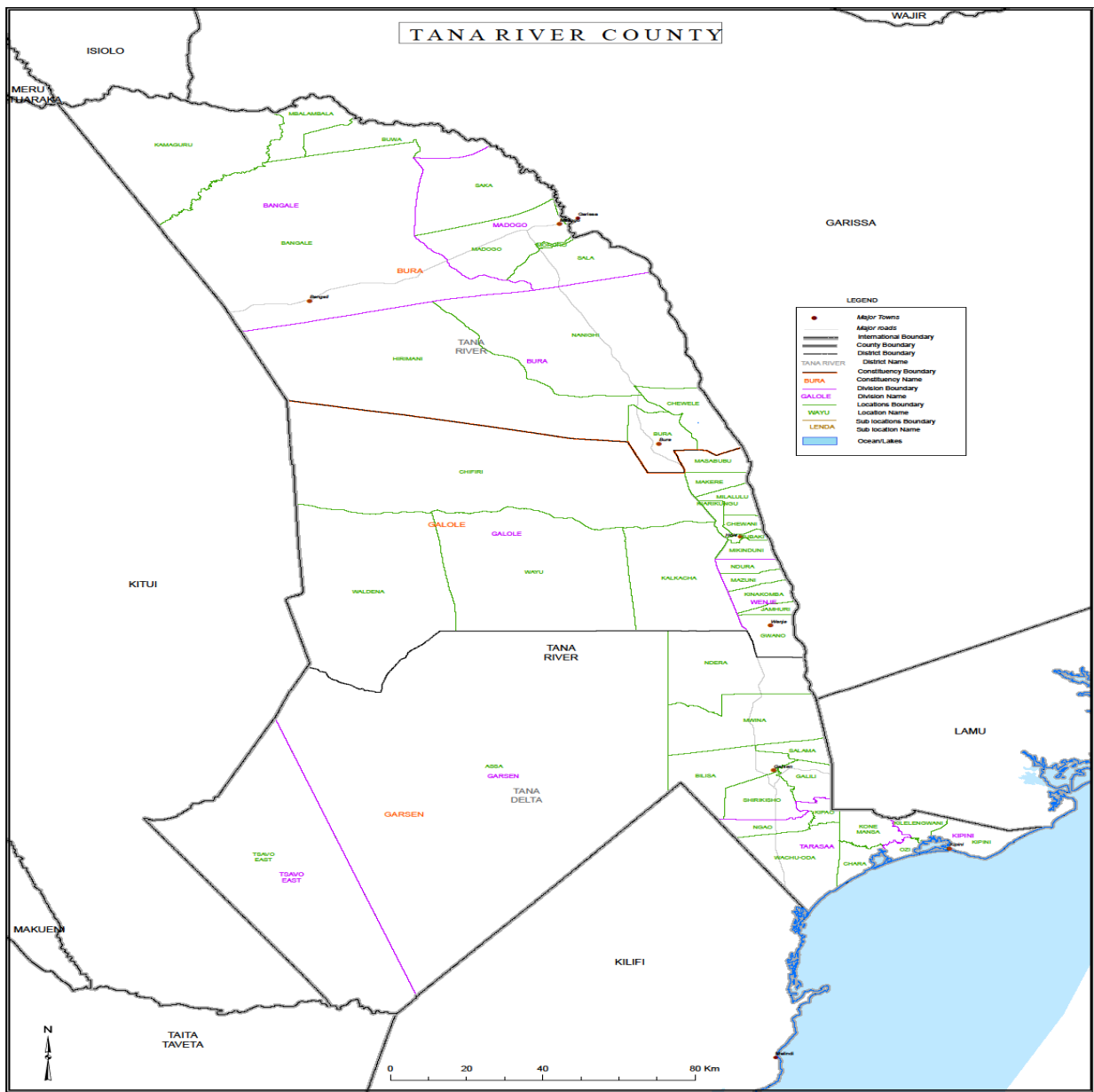
Constituency	Area(km ²)	No. of wards	No. of Locations	No. of Sub-Locations
Bura	13,191.5	5	14	29
Galole	9,657.3	4	16	33
Tana Delta	16,013.4	6	15	34
Total	38,862.2	15	45	96

Source: Tana River County Development Planning Office, 2012

Table 1 shows that Tana Delta is the largest with 16,013.4 Km² followed by Bura and Galole with 13,191.5Km² and 9,657.3Km² respectively.

Figure 2 below is a map showing the administrative/political boundaries of Tana River County.

Figure : Map of the country's administrative/political units



Source: Tana River County Development Planning Office, 2012

1.3.2 Political Units (Constituencies, Electoral Wards)

Tana River County has three constituencies namely; Galole, Bura and Garsen with 15 county electoral wards. Table 2 shows the county political units by constituency and electoral wards.

Table : County's Electoral Wards by Constituencies

Constituency	Number of Electoral Wards
Bura	5
Galole	4
Garsen	6
Total	15

Source: IEBC Office, 2012

1.3.3 Eligible and Registered Voters by Constituency

In 2012, there were 73,037 registered voters representing about 65.3 per cent of the eligible voters in the county as shown in Table 3. The table also indicates the proportion of registered voters to eligible voters.

Table : Eligible and Registered Voters by Constituency

Constituency	Eligible Voters 2012 (projected)	Registered voters (2012)	Proportion of registered voters to eligible voters by %
Bura	38,482	24,949	64.8
Galole	28,376	19,374	68.3
Garsen	45,065	28,714	63.7
Total	111,923	73,037	65.3

Source: IEBC Office, 2012

Garsen constituency with 28,714 registered voters had the highest number of voters followed by Bura and Galole with 24,949 and 19,374 respectively. The total number of the registered voters represents only 65.3 per cent of the eligible voters in the county.

1.4 Demographic Features

1.4.1 Population Size and Composition

The projected population of Tana River County in 2012 was estimated at 261,348 with 130,875 being female and 130,473 male. The county has an inter census population growth rate of 2.83 per cent slightly lower than the national average of 2.9 per cent. The ratio of male to female is 99:100 and the pattern is projected to remain the same by June 2018.

Table 4 shows population projections by age cohorts.

Table : Population Projection by Age Cohorts

Age Cohort	2009			2012			2015			June 2018		
	M	F	T	M	F	T	M	F	T	M	F	T
0-4	24,481	23,680	48,161	26,650	25,778	52,428	29,012	28,062	57,074	30,701	29,697	60,398
5-9	21,367	20,481	41,848	23,260	22,296	45,556	25,321	24,271	49,593	26,796	25,685	52,481
10-14	16,560	15,530	32,090	18,027	16,906	34,933	19,625	18,404	38,029	20,768	19,476	40,243
15-19	11,962	12,673	24,635	13,022	13,796	26,818	14,176	15,018	29,194	15,001	15,893	30,894
20-24	8,848	10,667	19,515	9,632	11,612	21,244	10,485	12,641	23,127	11,096	13,377	24,473
25-27	7,652	8,952	16,604	8,330	9,745	18,075	9,068	10,609	19,677	9,596	11,226	20,823
30-34	6,046	6,442	12,488	6,582	7,013	13,595	7,165	7,634	14,799	7,582	8,079	15,661
35-39	5,145	5,350	10,495	5,601	5,824	11,425	6,097	6,340	12,437	6,452	6,709	13,162
40-44	3,729	3,825	7,554	4,059	4,164	8,223	4,419	4,533	8,952	4,676	4,797	9,473
45-49	3,675	3,291	6,966	4,001	3,583	7,583	4,355	3,900	8,255	4,609	4,127	8,736
50-54	2,898	2,559	5,457	3,155	2,786	5,941	3,434	3,033	6,467	3,634	3,209	6,843

Age Cohort	2009			2012			2015			June 2018		
	M	F	T	M	F	T	M	F	T	M	F	T
55-59	2,166	1,823	3,989	2,358	1,985	4,342	2,567	2,160	4,727	2,716	2,286	5,003
60-64	1,631	1,604	3,235	1,776	1,746	3,522	1,933	1,901	3,834	2,045	2,012	4,057
65-69	1,147	860	2,007	1,249	936	2,185	1,359	1,019	2,378	1,438	1,079	2,517
70-74	951	759	1,710	1,035	826	1,862	1,127	899	2,026	1,193	952	2,144
75-79	551	533	1,084	600	580	1,180	653	632	1,285	691	668	1,359
80+	1,009	1,161	2,170	1,098	1,264	2,362	1,196	1,376	2,572	1,265	1,456	2,721
AgeNS	35	32	67	38	35	73	41	38	79	44	40	84
Total	119,853	120,222	240,075	130,473	130,875	261,348	142,034	142,471	284,505	150,305	150,768	301,073

Source: KNBS, County Development Planning Office Tana River 2013

In a county with 76.9 per cent of the population living in absolute poverty, and with the population growth rate of 2.8 per cent, the projected increase in population has a major and direct impact on the basic needs such as food, water, health and education for all ages. The first priority being food security, it implies that efforts should be made to increase food production to cater for the increased population. In the water sector, the expectation is that the available water sources of River Tana will have to be tapped to increase the volume of clean water for consumption. The health sector is expected to enhance its effort to increase the available facilities, personnel and supply of medicine accordingly.

Additionally, there are special age groups that need targeted interventions because of their special characteristics. These include the under one year, the under five years, 3-5 years, primary school going age, secondary school going age, youth population, female reproductive age, labour force and aged population as shown in Table 5.

Table 5 below shows the Tana River County population projection for selected age groups;

Table : Population Projections for Selected Age Groups

Age Groups	2009			2012			2015			June 2018		
	Male	Female	Total	M	F	T	M	F	T	M	F	T
Under 1 yr	5,230	4,900	10,130	5,693	5,334	11,027	6,198	5,807	12,005	6,559	6,145	12,704
under 5yrs	24,481	23,680	48,161	26,650	25,778	52,428	29,012	28,062	57,074	30,701	29,697	60,398
6-13 yrs	30,051	28,548	56,154	32,714	31,078	63,792	35,612	33,831	66,443	37,686	35,801	73,487
14-17 yrs	10,485	9,888	20,373	11,414	10,764	22,178	12,425	11,718	24,143	13,149	12,400	25,549
under 15 yrs	62,408	59,691	122,099	67,938	64,980	132,918	73,958	70,738	144,696	78,264	74,857	153,121
15-30 yrs	30,778	35,138	63,414	33,505	38,252	71,757	36,474	41,641	78,115	38,598	44,066	82,664
15-64 yrs	53,752	56,186	109,938	58,515	61,165	119,680	63,700	66,584	130,284	67,409	70,462	137,871
65 YRS & Above	3,658	3,313	6,274	3,982	3,607	7,589	4,335	3,926	8,261	4,587	4,155	8,742
Women (15-49 yrs)	N/A	51,510	51,510	N/A	56,074	56,074	N/A	61,043	61,043	N/A	64,598	64,598
Total	119,853	120,222	240,075	130,473	130,875	261,348	142,034	142,471	284,505	150,305	150,768	301,073

Source: KNBS, County Development Planning Office, Tana River, 2013

The following is an analysis of table 5 given above.

Under One year

The county has a projected population of 11,027 (2012) infants whose number is expected to rise to 12,005 by 2015 and 12,704 by June 2018. This calls for special interventions in order to significantly reduce the high Infant Mortality Rate (IMR) which presently stands at 91.3 deaths per a thousand, a figure that is on the higher side compared to the national figure of 38/1000 deaths (2011).

Under Five Years Group

Age group of under five years comprises of 20 per cent of total population. The projected population for this age group is 52,428 for 2012 and expected to rise to 57,074 in 2015 and 60,398 in June 2018. The challenges the county faces in order to cater for this population includes strengthening projects and programmes which are aimed at enhancing immunization coverage and health care. The county also needs to expand, equip and staff Early Childhood Development Centres (ECDCs) to cater for this group of population.

Primary School Age-group (Age Group 6-13)

The primary school going age population (6-13 years) in 2012 was projected at 63,792 and 66,443 and 73,487 in 2015 and June 2018 respectively. The increase is expected to put pressure on the existing 152 primary schools infrastructure. The county will therefore need to construct more primary schools, improve the facilities in the existing schools and employ more teachers to maintain a reasonable teacher/pupil ratio.

Secondary School Age-group (Age Group 14-17)

The population in the age group of 14-17 years (secondary school age) was projected at 22,178 in 2012 and expected to rise to 24,143 and 25,549, in 2015 and June 2018 respectively. This will pose a major challenge as the county currently has only 13 secondary schools. With the introduction of free day secondary education and increase of bursaries from various devolved funds the existing schools will not be able to cope with the high demand. There is a need for education stakeholders to invest in building more secondary schools, improving the existing facilities and employment of teachers.

Further investment is required in Youth Polytechnics to absorb those who will not be able to join secondary schools. The secondary school students are also vulnerable to HIV infection and drug abuse. The education department, religious leaders and development partners have to strengthen in-school counselling and Behavioural Change Campaigns (BCC).

Youth (Age Group 15-30)

The projected figure for this age group (15-30 years - youth) which represents 26 per cent of the whole county population was projected to be 71,757 in 2012 and will continue increasing to 78,115 and 82,664 in 2015 and June 2018 respectively. This population constitutes 58 per cent of the potential labour force thus strategies should be developed in creating job opportunities. This is a very active group that needs to be occupied through income generating and sporting activities. The group also needs investment in skills development so that they can exploit their potential. The challenges facing the county include construction and equipping tertiary institutions and providing bursaries for the needy students entering post secondary school education institutions. The group also needs a lot of information on career opportunities and business development service. They therefore need ICT services so that they can access relevant information and effectively share the information.

Since this group is vulnerable to HIV infection, the county have to provide them with behavioural change information and facilities such as youth friendly VCT centres. The county also needs to invest in expanding sports infrastructure and recreational facilities to make them fully occupied.

Reproductive Age for Women (Age Group 15-49)

Women in Age Group 15-49 (Reproductive Age) constitute about 21.5 per cent (56,074) of the total projected population in 2012 and are expected to increase to 61,043 and 64,598 in 2015 and June 2018 respectively. This age group is the single most important determining factor of population growth. With total fertility rate of 6.5births per woman and the low levels of contraceptive adoption rates at 21 per cent, the rapid population growth rate of 2.8 per cent is expected to continue. To cater for the increase in females in the reproductive age, investment in health services and facilities is required in the county. Important programmes such as those of family planning, maternal health care and girl child education will have to be scaled-up.

Labour Force (Age group 15-64 years)

This is the economically active age group whose increase will require a commensurate increase in creation of job opportunities. The projected population of the county for this age group in 2012 stood at 119,680 representing about 46 per cent of the county total population. This age group is projected to be 130,284 and 137,871 in 2015 and June 2018 respectively. Fifty one (51) per cent of the labour force are female and are projected to dominate the age group. Due to the expected increase in the labour force, the county will be challenged to spur growth of many other sectors including manufacturing, processing and trade so that they become more productive.

Currently, 83 per cent of the labour force is engaged in subsistence agricultural and livestock activities. There is therefore a need to ensure that these economic activities are profitable through introduction of modern methods and value addition venture.

The Dependent Population

The dependent population (under 15 years and above 64 years) stood at 140,507 in 2012 which accounts for about 53.5 per cent of the population. The challenge facing the county is to ensure that this dependent population has adequate food, water and social amenities such as schools and hospitals. The older persons cash transfer and OVC cash transfer programs need to be scaled up to take care of the growing needs of the county's old people and vulnerable children respectively.

1.4.2 Urban Population

The county has two urban areas namely Hola and Madogo having a total projected population of 36,099 in 2012 as indicated in Table 6. This population represents 13.8 per cent of the total population and is expected to increase at the same rate by the year 2015. This therefore calls for proper town planning.

Table : Population Projections by Urban Centres

Urban Centres	2009			2012			2015			June 2018		
	M	F	T	M	F	T	M	F	T	M	F	T
Hola	8,470	8,867	17,337	9,221	9,653	18,874	10,038	10,508	20,546	10,622	11,120	21,742
Madogo	8,152	7,672	15,824	8,874	8,352	17,226	9,661	9,092	18,753	10,223	9,621	19,844
Total	16,622	16,539	33,161	18,095	18,004	36,099	19,698	19,600	39,298	20,845	20,741	41,586

Source: KNBS, County Development Planning Office Tana River, 2013

1.4.3 Rural Population

The total rural population was projected at 225,249 in 2012 representing about 86.2 per cent of the total population of Tana River County. Relevant programmes need to be initiated to improve the livelihoods of rural communities and discourage the rural-urban migration.

1.4.4 Population Distribution and Density by Constituency/Sub-county

Table 7 shows population projections for the constituencies in Tana River County. In 2012, the projected population density of Tana River County was six persons per square kilometre. This is however expected to increase to seven persons per square kilometre in 2015 and June 2018.

Table : Population Distribution and Density by Constituency

Constituency	Area (Sq Km)	2009		2012		2015		June 2018	
		Population	Density	Population	Density	Population	Density	Population	Density
Galole	9,657.30	60,866	6	66,260	7	72,130	8	76,331	8
Bura	13,191.50	82,545	6	89,859	7	97,823	7	103,518	8
Garsen	16,013.40	96,664	6	105,229	7	114,554	7	121,224	8

Total	38,862.20	240,075	6	261,348	7	284,505	7	301,073	8
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Source: KNBS, County Development Planning Office - Tana River, 2013

Table 8 below indicates the population projections of the county by constituency. In 2012, the projected population for Bura, Galole and Garsen were 89,859, 66,260 and 105,229 respectively. The table shows that apart from Galole constituency, the projected female population for Bura and Garsen was lower than that of male 2012. The table further indicates that the population for Garsen constituency was highest followed by Bura and Galole. This trend is expected to remain the same in 2015 and June 2018.

Table : Population projections by Constituency

Constituency	2009			2012			2015			June 2018		
	M	F	T	M	F	T	M	F	T	M	F	T
Bura	41,686	40,859	82,545	45,380	44,479	89,859	49,401	48,421	97,822	52,277	51,240	103,517
Galole	29,467	31,399	60,866	32,078	34,181	66,260	34,920	37,210	72,130	36,954	39,377	76,331
Garsen	48,700	47,964	96,664	53,015	52,214	105,229	57,713	56,841	114,554	61,074	60,151	121,225
Total	119,853	120,222	240,075	130,473	130,875	261,348	142,034	142,471	284,505	150,305	150,768	301,073

Source: KNBS, County Development Planning Office Tana River, 2013

1.5 Human Development Indicators (HDI)

The HDI measures human development based on the basic factors of a long and healthy life, the acquisition of knowledge, and a reasonable standard of living. These factors are measured by life expectancy at birth, adult literacy rate and the combined enrolment ratio at primary, secondary and tertiary levels and GDP per capita measured in purchasing power parity (PPP) in US dollars.

The county has a life expectancy of 53.8 years compared to the national life expectancy of 57.9 years. The adult literacy rate of the County is 33.9 per cent compared to national adult literacy rate of 87.38 per cent.

1.6 Infrastructure and Access

1.6.1 Road, Rail Network, Ports and Airports, Airstrips and Jetties

Figure : Boji-Masalani road



Source: Tana River County Development Planning Office, 2012

The total road network in the county is 3,377km with about 55 per cent in motorable condition. The total road network is composed of 1,108km (class A – E) of classified roads and 2,269km (class U) of unclassified roads. Out of this only 449km is bitumen surfaced. The major roads in the county include the Madogo – Hola – Malindi road which is dilapidated. The county boasts of seven airstrips with major ones located at Hola, Bura and Garsen, The county has a 76Km sea front with Kipini operating as a fish landing site which can be potential sea port for fishing vessels. The LAPSSET project will potentially open up the county with road and rail network.

1.6.2 Posts and Telecommunications: Post Offices, Mobile Telephony & Landline.

The county is served by three mobile phone service providers that cover 55 per cent of the county. These services are however concentrated along the Garissa- Malindi road. There are three post offices in the whole county located at Bura, Hola and Garsen. The landline is in deplorable state and does not function in most areas. There are five courier service providers in the county. Internet connectivity is still low with most people using modems from mobile phone service providers. Investments in DSTV, Zuku and other free to air satellite television has nevertheless made access to local and international broadcasts possible in the county . The Kenya Broadcasting Corporation (KBC) Radio is the only media house which has a signal in the county.

1.6.3 Financial Institutions: Banks, SACCOs, Micro Finance Institutions

There are two banks (KCB and Equity bank), three bank agencies (KCB, Equity bank and Coop bank), one SACCO, one Micro-Finance Institution (MFI) and 10 village banks in the county. The banks, SACCO and the microfinance institutions are located in Hola and Garsen as these areas have electricity connection with many commercial activities. These institutions will help to boost the county's economy through provision of various financial services and credit facilities.

1.6.4 Education Institutions: Primary/Secondary schools, Polytechnics, Colleges, Universities

The County has 315 ECDE centres, 152 primary schools and 13 secondary schools. Some of the structures in the institutions are dilapidated. Although the Constituency Development Fund from the three constituencies in the county has been putting concerted efforts to build classrooms, administration blocks, dining halls, laboratories and even dormitories, there is still a glaring shortage of the aforementioned structures. There are three youth polytechnics in the county that need to be expanded to accommodate the rising numbers in enrolment.

1.6.5 Energy Access (Main Sources of Energy, Electricity Coverage)

Majority of the population (87.5%) use wood fuel for cooking and 78.2 per cent use kerosene for lighting. Only 0.9 per cent of the households are connected with electricity. There is a lot of potential for the exploitation of renewable energy sources such as solar and wind and in the expansion of electricity transmission in the county through the main grid.

1.6.6 Markets and Urban Centres

There are 10 major trading centres in the county with 24 registered wholesale traders and 773 registered retail traders. There are two registered Jua Kali associations in the county with 31 members. These trading centres are the main economic hubs of the county since major business activities are done here.

1.6.7 Housing Types

Tana River County has 547 pool institutional/government houses that accommodate civil servants. The houses are however, inadequate and not properly maintained. This is due to insufficient funds, lack of cheap and durable raw materials, among others.

Addressing the housing issue in the county will require the operationalization of the National Housing Policy in the county, identification and disseminating of low cost building materials and appropriate building technology, training the technical staff in the county, ensuring only competent contractors are awarded contracts in the county and creation of enabling environment to encourage investors to venture into housing.

Majority of the people (41.1 per cent) of Tana River live in mud/wood walled houses, with about 29.5 per cent living in grass straw houses. Twenty six per cent of the roofing materials used are corrugated iron sheets and 13.9 per cent *makuti*.

1.7 Land and Land Use

The land in the county is largely non-arable covering 29,798.7 km². The rest is either under forest 3,457 km², arable land covering 2,547 km² and 3,059.5 km² under national reserves.

1.7.1 Mean Holding Size

The mean holding land size in the county is 4 ha, especially in the irrigation schemes of Hola and Bura. In the settlement schemes of Witu I and Witu II, the mean land holding size is 15 acres while Ngao adjudication area, the mean holding size is 5 acres. Though the mean holding land size is 4 ha, there is a variation on land holding with some farmers in Bura and Hola irrigation schemes having between 0.6 ha and 3 ha.

1.7.2 Percentage of Land with Title Deeds

Only about 4.3 per cent of the land in the county has title deeds. Most land owners have no title deeds since the land is community land held in trust by the Government of Kenya.

1.7.3 Incidence of Landlessness

The incidence of landlessness is high at 95.7 per cent with a majority of the communities in the county living as squatters since they hold no titles to the land they occupy. There has been a major invasion by squatters into Chakamba area of Tana Delta which is a designated grazing corridor; Kurawa holding grounds, a Government land for livestock holding; Majengo area by Ijara people and Madogo area is also invaded by people from Garissa in search of pasture and water for their animals. Spatial planning is therefore necessary to determine the land use patterns in the county.

1.8 Community Organizations/Non-State Actors

1.8.1 Cooperative Societies

There are 28 cooperative societies in the county with only 12 being active. The cooperative societies in the county are composed of six SACCOs, seven agriculture based societies, eight livestock cooperative societies, two consumer societies and five multipurpose societies. The cooperative movement in the county needs to be strengthened to improve on the levels of income and reduce the poverty levels in the county.

1.8.2 Non-Governmental Organizations

There are 18 NGOs which include among others German Agro Action, Samaritans' Purse, Girl Child Network, Nature Kenya, International Medical Corps, Action Against Hunger, and

Catholic Relief Services that are actively operating in the county. These NGOs undertake development activities including; provision of drinking water for humans and animals, construction of water facilities and Water, Sanitation and Hygiene (WASH) in schools.

1.8.3 Self Help, Women & Youth Groups

The county has 405 self-help groups, 340 women groups and about 385 youth groups. These groups, however, require training in order to equip them with entrepreneurial skills for self-employment. This shall facilitate them to benefit from the Youth and Women Enterprise Funds.

1.9 Crops, Livestock and Fish Production

1.9.1 Main Crops Produced

The main crops produced in the county are mangoes, cowpeas, bananas and green grams. Farmers in the county mainly rely on rain fed and flood recession farming systems with only a few practicing irrigated farming. Maize production also takes place in the irrigation scheme.

1.9.2 Acreage Under Food Crops and Cash Crops

The total acreage of farms under food crop production is 7,527 ha while that under cash crop production is 7,063 ha.

1.9.3 Average Farm Sizes

The arable area in the county is 2,547 Km² with the average farm size being 0.71 ha. Farmers normally grow subsistence crops.

1.9.4 Main Storage Facilities

The main storage facilities for farm produce in the county include houses, barns and granaries. National Cereals and Produce Board has one storage facility in the whole county at Bura.

1.9.5 Main Livestock Bred

Livestock is practised mainly through pastoralism by the Orma, Boran, Wardei and Somali.

The main livestock types are cattle, donkey, camel and goat. The most common breed are Orma-boran, Galla goats, black head Persian sheep.

1.9.6 Poultry keeping

Poultry is kept at household level by all communities in the county. The main type of poultry kept is indigenous chicken and ducks.

1.9.7 Number of Ranches

There are about seven ranches in the whole county namely Wachu-30,725ha, Kibusu-25,000ha, Haganda-12,000ha, Kitangale-20,000ha, Idasa Godana-51,000ha, Giritu-43,340ha and

Kondertu-20,000ha. Out of the seven ranches only Idasa Godana ranch is active with about ten per cent area being exploited.

1.9.8 Main Fishing Activities, Types of Fish Produced, Landing Sites

The main types of fish produced in the county include Tuna, Catfish and Rabbit fish (marine species), Tilapia and Synodontis. There are three landing sites namely Chara, Ozi and Kipini with the main fishing gear being traps, fishing nets, hooks/lines, fishing boats and marine seine nets. Fishing activities are carried along the river Tana and at the ocean at Kipini, Ozi and Chara. There is potential for fish farming in the area as was demonstrated by the Economic Stimulus Project where about 900 fish ponds were established across the county.

1.10 Forestry and Agro Forestry

1.10.1 Main Forest Types and Sizes

The county is dominated by complex ecosystem of high canopy coastal, riverine forests, wooded bush land and thickets as well as the grasslands and mangrove forests covering 355,688.65 ha. The species that are dominant in high canopy forest area include *Chlorophora excelsa*, *Penicum spp*, *Manilkara zasibarensis*, *Brachilina brichantha*, *Terminalia spp*.

Wooded bush is dominated by *Hyphaene coriacea*, *Terminalia spinosa*, *Digitaria milinjiana*, *Panicum infestum*. Grassland is dominated by *Echinochika spp*, *Sporobolus halvolus*, *Panicum spp*, *Cynodo dactylon*. Mangrove swamps forests include *Brugeira spp*, *Avecenia spp*.

In the dry lands dominant species include the *Acacia spp*, *Dobera glabra*, *Salvodora persica* and the invasive *Prosopis spp*.

1.10.2 Main Forest Products in Gazetted and Ungazetted Forests

The Zone is endowed with natural and man-made resources that support forestry based socio-economic investments. The forests support ecotourism due to its rich potentials in diversity of fauna and flora, supports range hence livestock production as well as a habitat to rare and endangered wildlife. There is a wide range of tree species including the invasive *Prosopis* species that support production of non-timber forest products like gum and resins as an economic investment. Charcoal trade can be sustained through organized and licensed Charcoal Producers Associations (CPAs).

Provision of a range of building products that include poles, posts, timber supports the building and cottage industry. The provision of herbal medicine used on subsistence and commercial level.

1.10.3 Promotion of Agro-Forestry and Green Economy for:

a) Income generating activities including farm forests:

Attention has been focused on the provision of the on-farm investment form of production of fruits, honey, horticultural crops, woodlots, silage and fodder.

b) Protection of water catchment areas:

The water catchment areas in the county include riparian forests areas, springs, rivers, ponds and lakes.

c) Prevention of soil erosion:

The deliberate integration of tree crops and the physical structures like the Fanya Juu Fanya Chini earthworks and terracing to drainage and water harvesting efforts to reduce soil erosion. It also involves planting of the shelter belts and alleys to control both water and wind erosion.

d) Provision of wood fuel and generation of energy for industries:

Introduction of fast growing trees species of high calorific value that can supply industrial energy.

e) Improvement of Soil fertility by growing fertilizer trees:

Integration of carbon fixing tree species that nourishes and conditions soil.

f) Growing of fruit trees for improved nutrition both for Domestic use and surplus for markets:

Introduction of value fruit trees, for example through budding and grafting.

g) Provision of carbon sinks like Carbon Trading:

Intensify planting carbon sequesters tree species that purify air.

h) Beautification activities in Towns, highways, schools, Homes and other public places:

This entails the undertaking of roadside alley planting of trees on paths and highways, establishment of recreation parks, arboretum and botanical gardening in private and public utilities. In this aspect, efforts need to be stepped up to realise this objective.

i) Animal feeds production ventures:

Intensify irrigable fodder trees and grass like nappier planting in farms and conservation areas for the mainstay of livestock.

j) Growing and processing for medicinal purposes/Value plants and products :

This involves promoting domestication and large scale production of tree species of pharmaceutical value such as Sandal wood both for subsistence and commercialization.

1.11 Environment and Climate Change

Climate includes patterns of temperature, precipitation, humidity, wind and seasons. Climate change refers to seasonal changes over a long period of time. These climate patterns play a fundamental role in shaping natural ecosystems, and the human economies and cultures that depend on them. Climate change is a major, overriding environmental issue of our time, and the single greatest challenge facing environmental regulators. It is a growing crisis with economic, health and safety, food production, security, and other dimensions. Shifting weather patterns, for example, threaten food production through increased unpredictability of precipitation, rising sea levels contaminate coastal freshwater reserves and increase the risk of catastrophic flooding, and a warming atmosphere aids spread of pests and diseases once limited to the tropics.

1.11.1 Major Contributors of Environmental Degradation

Environmental degradation is caused by over exploitation of natural resources such as forests, mining, overstocking and overgrazing, population increase and cultivation along the river banks, urbanization and increase in food insecurity as a result of destroying water catchment areas.

1.11.2 Effects of Environmental Degradation

The effects of environmental degradation include degradation of rangelands, soil erosion on farmlands, water and air pollution, deforestation, loss of biodiversity, frequent droughts and occasional flooding, spread of diseases both human and livestock and loss of aquatic life.

1.11.3 Climate Change and its Effects in the County

Effects of climate change include droughts, flooding, rise in sea levels along the coastal parts, intrusion of salt waters upstream, reduced fish population in the sea, drying of the ox bow lakes, reduced crop productivity, loss of biodiversity, changing ecosystems and destruction of infrastructure.

1.11.4 Climate Change Mitigation Measures and Adaptation Strategies

Some of mitigation measures include good governance, practice sustainable approaches to development, develop a comprehensive land use planning, creation of awareness on the effects of climate change among the population, identify and protect ecologically sensitive and fragile areas and discard old practices and embrace modern and sustainable practices/technologies.

Payment for ecosystem services: Policies should be enacted to encourage payment for ecosystem services such as medicinal plants and biodiversity.

Pricing of natural resources: Policies should be enacted for pricing of natural resources like trees which act as carbon sinks in the absorption of carbon dioxide by trees.

Carbon foot prints: Policies should be enacted to promote carbon foot prints for quantification of carbon emission and costing by those who travel. Mainstreaming climate change and disaster mitigation into national planning programmes; Economic forecasts should incorporate climate forecasts and economic indicators of weather and climate should be developed to enable monitoring of short and long term development strategies.

1.12 Mining

1.12.1 Ongoing Activities

The county has four quarry sites where sand and murram are harvested at Madogo and Meti areas in Bura. Sand harvesting is currently heavily practised in Bura and Galole sub-counties. There are two sites where gypsum mining is carried out at Bangale and Nanighi areas in Bura.

1.12.2 Mining Potentials

The county has three more potential gypsum sites located in Bura which have not been fully exploited. Sand is mainly harvested along the dry river beds and *lagas* and there is a huge potential for exploitation across the county.

1.13 Tourism

1.13.1 Main Tourist Attractions, National Parks/Reserves

The main tourist attractions in the county are Kora National Reserve, Arawale National Reserve and Tana Primate National Reserve.

1.13.2 Main Wildlife

The main wildlife found in the county is Red Columbus Monkey, Tana River Crested Mangabey monkeys, Elephants and Heartbeast (Hirola). Tana River delta is one of the six deltaic areas of Eastern Africa and the largest freshwater wetland systems in Kenya. The Delta is rich in biodiversity supporting diverse species of flora and fauna. It is internationally important for the survival of no less than 22 species of birds making the delta one of the key sites in the country for water bird conservation. It also holds the breeding sites of valuable edible fish and shellfish and a rich biodiversity of other wildlife.

1.13.3 Tourist Class Hotels/Restaurants, Bed Occupancy

There are no tourist class hotels in Tana River County. All hotels in the county fall under unclassified category.

1.14 Industry

There is a mango and honey processing factory in Tana River County though there is a great potential for agro-based industries for maize, milk and meat processing.

1.15 Employment and Other Sources of Income

1.15.1 Wage Earners

The county has an average of about 3.2 per cent under wage employment in the agricultural sector, in government and non-governmental organisations.

1.15.2 Self-Employed

About 7.3 per cent of the population in the county is self-employed in agricultural sector, *jua kali* sector, *boda boda* and businesses.

1.15.3 Labour Force

The county has labour force of 46 per cent of the total population. The male and female composition is 48.9 and 51.1 per cent respectively.

1.15.4 Unemployment Levels

A majority of the labour force composed of 42.8 per cent in the county is unemployed. Unemployment levels are still very high in the county with poverty incidence standing at 76.9 per cent.

1.16 Water and Sanitation

1.16.1 Water Resources and Quality

River Tana is the longest river in Kenya covering about 850 Km long with catchments area of about 95,000 Km² traversing the landscape from its source in Aberdare Ranges in central Kenya to the Indian Ocean. It discharges on average 4,000 million litres of fresh water annually into the ocean near Kipini at Ungwana Bay. The Seven Folks Hydro Electric power Stations and Bura and Hola irrigation schemes are located upstream of the delta. Tana River supports industrial and other socioeconomic functions such as power generation upstream, agriculture, livestock, tourism and micro-enterprises found within the basin.

1.16.2 Water Supply Schemes

The main water supply schemes in Tana River are Hola Water supply scheme in Galole, Bura water works in Bura, Garsen water supply and Ngao water supply. The Hola water supply is currently under expansion and rehabilitation with Government of Kenya/World Bank funding.

1.16.3 Water Sources (Average Distance to the Nearest Water Points)

Figure : The river Tana



Source: Tana River County Development Planning Office, 2012

The county's water resource comprises of both ground and surface water. Surface water consists of permanent rivers such as River Tana and ground water sources that include; boreholes, shallow wells, and earth pans. River Tana discharges on average 4,000 million litres of fresh water annually into the ocean near Kipini at Ungwana Bay. Bura and Hola irrigation schemes are located upstream of the delta. Though river Tana supports industrial and other socioeconomic functions (such as power generation, agriculture, livestock, tourism and micro-enterprises) the county does not have any industries.

In Tana River County, the average distance to nearest water point (either surface or underground) is four kilometres.

1.16.4 Sanitation

The reference on sanitation is on housing-ventilation and rendering of floors and walls of buildings, provision of dish-racks, cloth hang-line, waste disposal at household level and public in general at market centres.

At the market centre level the attention is on waste disposal. Of all the centres, only Hola has a Public toilet, collection of waste is done by the county government within Hola town and there is no designated disposal point for the waste.

The situation in most of our institutions especially schools, is reasonably good as they have latrines albeit not adequate. However, the average sanitation level is at 48 per cent.

1.17 Health Access and Nutrition

1.17.1 Health Access (Health Facilities, Personnel)

There are 71 health facilities in the county with two level four public hospitals located in Hola and Ngao. There is one sub-county hospital in Bura, five public health centres, 40 dispensaries and 20 private clinics, two mission dispensaries and one private health centre. The bed capacity is 158 while the average distance to a health facility is six kilometres. The county has six doctors, 126 nurses, 1,149 CHEWs, 25 PHOs, and three nutritionists against a projected population of 265,854.

1.17.2 Morbidity: Five Most Common Diseases in Order of Prevalence

The most prevalent diseases in the county in order of priority are respiratory track infections, diarrhoea, malaria, skin diseases and pneumonia.

1.17.3 Nutritional Status

Table 9 shows data of Child Health Nutrition Information System – CHANIS

Table : Data (0-59 Months % Underweight)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2011	12.4	13.7	16.2	15.2	13.9	14.9	14.1	10.3	17.4	11.2	11.6	12.1
2012	12.2	11	10.3	12.8	13	10.3	11.5	12.2	9.8	11.9	9.7	17.5

Source: MOH Tana River, 2012

The percentage underweight for 2012 has reduced due to the various interventions put in place. That is increased nutrition surveillance, SFP/OTP programmes and Infant and Young Child Feeding (IYCF) activities.

1.17.4 Immunization Coverage

The county has an average immunization coverage of 76 per cent which is below the World Health Organisation/National average of 90 per cent. The major challenges for low immunisation coverage are attributed to nomadic lifestyle and frequent depletion of stock of the required antigens.

1.17.5 Access to Family Planning Services/Contraceptive Prevalence

The county target for Family Planning (FP) services is to the women of child bearing age (15-49 years). The county's average uptake of FP services is 34.3 per cent. The uptake is low due to the religious faith of the communities. Otherwise all FP methods are available in the district.

1.18 Education and Literacy

1.18.1 Pre-School Education

The county has 315 ECDE centres with 462 teachers. The gross enrolment rate is at 56.3 per cent with a teacher pupil ratio of 1:51. The enrolment of boys and girls is at 55.6 and 42.7 per cent respectively.

1.18.2 Primary Education

The county has 152 primary schools with 1,219 teachers giving rise to a teacher pupil ratio of 1:40. However, the available schools are not evenly distributed. The average gross enrolment is at 60.4 per cent with boys' enrolment rate standing at 68.5 per cent while that of girls stands at 51.9 per cent.

1.18.3 Literacy

The literacy rate for the county is 33.7 per cent and the illiteracy rate is at 66.3 per cent. However, this data is not disaggregated between male and female.

1.18.4 Secondary Education

The county has 13 secondary schools with 150 teachers. The teacher/student ratio is 1:32. The net enrolment is 4,903 with 1,603 being girls and 3,300 boys. The girl population is so low due the high drop-out rate arising from early marriages and pregnancies.

1.18.5 Tertiary Education

There are no colleges or universities in the county. Concerted efforts need to be directed towards the construction of tertiary institutions in the county to boost transition rates and build on the human resource base.

CHAPTER TWO:
COUNTY SOCIO-ECONOMIC DEVELOPMENT, CHALLENGES AND STRATEGIES

2.0 INTRODUCTION

This chapter contains information on the major development challenges and cross cutting issues that affect the development of the County and need to be addressed to improve the

communities' standard of living. It also provides a matrix of analysis outlining major development issues, their causes, county development objectives, targets to be achieved and proposed strategies

2.1 Major Development Challenges

2.1.1 Agriculture and Rural development Sector

This section discusses the major development challenges under the Agriculture and Rural Development sector.

2.1.1.1 Topographic and Climatic Conditions

The topography of the county is characterised of a flat terrain with a high wind speed of between 5-15Km/hr. The flat terrain provides an opportunity to engage in mechanized farming and to carry out flood recessive farming while the high wind speed provides an opportunity to harness wind power.

Tana River County has arid and semi-arid climatic conditions. The county receives erratic bimodal rainfall, which range from 220-400mm a year. Temperatures are also quite high averaging 30⁰C. This leads to low crop and livestock production. At many times there has been massive loss of livestock through death due to prolonged droughts. However, the hot climatic conditions with high temperatures provide an opportunity to exploit solar power energy.

On the other hand, due to its flat terrain, the county is prone to occasional flooding that destroys crops when the gates of reservoir dams' up-stream are opened. This has led to consistent food deficiency making the county vulnerable to food insecurity making the local people to rely on relief food for more than 15 years now. In the year 2007, 42 percent of the population was dependent on relief food provided by World Food Programme, the Government and other donors. Flooding also destroys infrastructure such as roads, bridges, schools, houses thus displacing people from their homes and businesses premises which remain submerged in water after the river Tana breaks its bank.

The county is also prone to Rift Valley Fever disease outbreak which causes big losses because of the death of livestock leading to increase in poverty levels of livestock keepers.

The challenge in the county is strengthening and sustaining the various initiatives which deal with the issue of disaster management. Disaster risk reduction (DRR) measures need therefore be undertaken to safeguard against eminent loss of livelihoods resulting from such an outbreak. Key among them is development of early warning systems, natural resource and drought management and rapid response activities.

2.1.1.2 High Population Growth

The demographic structures of population are important variables in the development process, since they determine the pattern of resource utilization. The analysis below gives the major demographic features in the county and their effect on development and specifically the county's efforts to reduce poverty.

The county has an intercensal growth rate of 3.4 percent higher than the national population growth rate of 2.9 percent. The population was projected to increase from 240,075 in 2009 to 265,854 in 2012. In a county where 76.9 percent of the population lives in absolute poverty, such an increase in population has direct impact on the basic needs such as food, water, health and education for all ages. The first priority being food, it implies that effort should be made to increase food production to cater for the increased population. In Water sub-sector, the expectation is that the available water sources will be tapped to increase the volume of clean water for consumption. The Health sector is expected to enhance its effort to increase the available facilities, personnel and supply of medicine accordingly.

The urban population was 40,393 in 2012 representing 10 percent of the total population. With the projected population increase, the county planners have to undertake urban planning and provide for urban infrastructure such as roads, urban water and sewerage system and housing.

2.1.1.3 Land Tenure System

Most of the Land in Tana River County has not yet been adjudicated. 90 percent of the land is either trust land or government land. The inhabitants do not therefore have title deeds which can be used as security to acquire loans from banks. This is a major loophole which land prospectors can take advantage of acquiring land at the expense of the locals and can be potential source of conflicts, especially land within and around the county headquarters and along LAPSSET corridor. The absence of individual or group parcels land title deeds has in some cases led to underutilization of land resources and even speculative reasons. The challenge for the county is therefore to ensure that land regimes in the county are favourable for productive activities.

2.1.1.4 Low agriculture productivity

Majority of the farmers in the County do not use modern methods of farming and storage of farm produce. This leads to low productivity and post harvest losses. The farmers also rely on rain fed agriculture and floods recession agriculture. This makes them vulnerable to hunger when the rains or river flooding delay. Though various minor irrigation schemes have been initiated in the county to boost agricultural production, only 6.25 percent of the land with potential for irrigation is utilized.

2.1.1.5 Low Livestock productivity and diseases

Pastoralists in the county keep livestock as an indicator of social status rather than for economic gain. This leads to overstocking of low quality animals which die in large numbers during dry spells or when there is an outbreak of diseases. The large stock of cattle also impact negatively on the land causing environmental degradation, pressure on water resources and pasture. The county challenge is to encourage livestock keepers to keep livestock for commercial purposes and also ensure they diversify their sources of income.

2.1.1.6 Inadequate fish storage facilities

The fishing industry concentrates along the coastline and the river Tana. Most of the catch is transported to other areas for marketing with minimal processing and preservation. For the sector to continue thriving, the sector will require establishment of cold storage facilities, basic processing and packaging in order to improve the shelf life and the prices they fetch from the markets.

2.1.1.7 Human Wildlife Conflict

Over the years, the communities living in wildlife areas have been in conflict. Consequently, this has resulted into loss of lives and body injuries. This has retarded the development in the area. In addition, poaching has increased in the recent years. Therefore measures will have to be put in place to institute peaceful coexistence between wildlife and the people.

2.1.2 Energy, Infrastructure and ICT

2.1.2.1 Poor road network

Roads: Tana River County has a total of 1,108 Km of classified road network. Out of this, about 55 percent of the total road network is in good condition. Most of the roads are intercepted by seasonal rivers (commonly known as *laghas*, which make them impassable during the rainy seasons. Although the county produces majority of the marketed mango fruits in major towns in the Coast region, most of the produce end up rotting in farms due to poor road network. The county government therefore, has to allocate adequate resources for scaling up road improvement and opening up new roads. The CDF and roads maintenance levy fund can complement county government effort in this regard.

Low electricity coverage: Most of the areas in the County have no power connection. Kenya Power Company installed a generator which provides electricity in Hola Town. Garsen is covered by low voltage grid electricity from Malindi that is unreliable. The low coverage of electricity is a major challenge as investors avoid the county leading to many loses in locally produced products and employment opportunities. The county government should engage the

Rural Electrification Authority (REA) to expand electric power coverage to other urban and market centres to improve business and promote investments in the county.

Poor communication: Although landline telephone services are available in the county, the service is not reliable. Mobile services are only concentrated in the urban centres and have not properly covered the entire county especially the Western hinterlands of the county. Efforts need to be focused in luring telephone services providers to expand their coverage in the county through initiative like Public Private Partnerships (PPPs).

2.1.3 Education Sector

2.1.3.1 Low Literacy Level

Literacy levels in the county are very low with only 33.7 percent of the population being literate (able to read and write). The major causes of the low literacy levels include: harmful traditional practices such as boy-child spending most of his time moving with animals in search for pasture and water. In many communities, the girl-child faces discrimination and is denied the opportunity to access education. Other factors that have led to low literacy levels include shortage of teachers, inadequate learning facilities and shortage of role models of people who have excelled in various fields of academic excellence.

2.1.4 General Economic, Commercial and Labour affairs

2.1.4.1 Low Tourism Activities

Tana River County is a unique County occupying Kenya's largest wetlands with diverse flora and fauna. It has a rich cultural heritage which can be tapped to diversify tourism in the country. The river Tana delta presents a natural habitat to diverse flora and fauna, forming an ideal ecosystem for promotion of eco-tourism. According to the African Bird Club, the delta hosts about 15,000 migratory birds from 69 bird species including Allen's Gannets (www.africanbirdclub.org). However, there has been little effort to promote and market the county as a major tourist attraction, especially the historic Mau Mau memorial site where Mau Mau prisoners were executed by the colonialists during the struggle for independence at Hola. Therefore the number of tourists per year has been minimal impacting adversely on the expected earnings. In order to tap into this vibrant potential, efforts will be made to establish a county marketing board, construction of tourist facilities to attract visitors like resorts and hotels.

2.2 Cross-cutting Issues

2.2.1 Poverty

The Kenya Integrated Household Budget Survey of 2005/06 indicated that Tana River County has an absolute poverty level of 76.9 percent. This means that the county contributes 0.8 percent to the national poverty. As a result, the majority of the population is unable to afford basic needs such as food, clothing and shelter.

The causes of poverty include unreliable rainfall, high levels of illiteracy and poor crop and animal husbandry. Other causes include poor infrastructure, lack of credit facilities, poor marketing systems, natural disasters such floods, drought and livestock diseases. The County population also suffers from poverty because of insecurity, wildlife menace, and environmental degradation and as result of the collapse of Hola, Bura irrigation schemes and unemployment.

SWOT Analysis

Strengths	Weaknesses
Various projects and programs initiated to alleviate poverty (Partners); Available natural resources Existence of a number of development agencies Available land for Agriculture and Livestock rearing Availability of credit institutions Existence of CDF resources Availability of social support services from the government Cash Transfer Programme Availability of UWEZO funds.	Inadequately coordinated poverty alleviation initiatives Low literacy levels Underdeveloped physical infrastructure Reluctance of people to take loans from credit institutions Involvement of Youth in illicit activities Most of the County is semi-arid Limited water for irrigation agriculture Rampant wrangles within the cooperative movement Poor farming methods Low rate of land adjudication
Opportunities	Threats
Revival of Hola, Tana Delta and Bura irrigation schemes Availability of tourist attraction sites and cultures. Existence of development partners Existence of credit institutions Existence of Youth and Women Enterprise funds at the constituency level (and or UWEZO fund) Existence of marketing institutions for both agriculture and	Insecurity HIV/AIDS Dependency syndrome Floods Drought Livestock diseases

livestock Presence of Poverty Alleviation Projects like PEC, ASDSP, and Njaa Marufuku Kenya	
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2.2.2 Environmental Degradation

Environmental degradation in the county is attributed to illegal encroachment of river banks and forests, poor farming methods and practices, deforestation, overgrazing and uncontrolled felling of trees for charcoal, wood fuel and construction owing to the increasing human settlements and mining. According to the Kenya Integrated Budget Household survey (2005/2006), 98 percent of the population in Tana River County depends on charcoal and wood fuel for cooking thus causing environmental degradation due to the indiscriminate felling of trees.

There is also pollution of water resources because of low latrine/ toilet usage and lack of a liquid and solid waste management sites in the urban areas. The toilets and sanitation coverage is low with only 17 percent of the households with latrine/toilet coverage, leading to environmental related diseases like cholera and dysentery, which pose serious health hazard.

Mining of minerals and quarrying is also major cause of environmental degradation in the county as there is widespread land degradation and little efforts in rehabilitating the sites areas in Nanighi.

SWOT Analysis

Strengths	Weaknesses
Positive attitude towards forest conservation	Inadequate skilled manpower
Variety of natural flora	Inadequate supportive staff
State of environment report of 2012.	Inadequate transport facilities
Availability of environmental governance and institutions created through EMCA	Poor communication network
Donor support and more NGO's supporting re-a forestation activities	Inadequate staffing and funding
Involvement of Community, Private sector and other stakeholders	Poor waste management practices
Introduction of Community Forest Users Groups through participatory forest management	Inexistent County Environment Committee.
Existing Environment Management Act	Inexistent county environmental action plan.
Conducting EIAs and environment audit	Lack of gazettelement of forests
	Inadequate involvement of communities in environment management.
	Poor sanitation and waste management
	Sand harvesting along the river line
	Weak enforcement of mining regulations
	Tree cutting for fuel

Strengths	Weaknesses
Opportunities	Threats
Gazettement of forests in the county Forest conservation promotion programmes Establishment of tree nurseries Development of sustainable community based environmental management strategies such as social forestry Government policy against non-biodegradable materials such as polythene bags Establishment of environmental clubs in learning institutions; Formation of CEC; development of a CEAP; Conservation of the rive line forest. Existence of the Forest Policy Sessional paper No. 9 of 2005 on forest management	Increase in population Illegal logging; Unpredictable weather Land grabbing; Illegal charcoal burning Loss of biodiversity Polythene menace Poverty Human wildlife conflicts. Drought and climate change Emergencies of settlements Forest fires Pest and diseases Soil and water erosion

2.2.3 HIV and AIDS

The HIV prevalence rate for the county was 4.1 percent in 2007 while the HIV incidence rate for the same period was 4 percent. Majority of the people infected in Tana River are aged between 25-40 years which is the productive population. This is expected to lead to inadequacy of the much required skilled and unskilled labour force. The high HIV preference can be attributed to high poverty levels, increase in drug abuse, long distance truck drivers, commercial sex. Other drivers of HIV & AIDS include; traditional practices like wife inheritance, early marriages and high divorce and separation rates, early sexual exposure and women having low bargaining power for safe sex.

The high prevalence rates in the county adversely affect the household's income, savings, investment, and labour productivity. Additionally the number of orphans and child-headed families are likely to increase in future. If the spread of HIV&AIDS is not contained it will increase the poverty situation in the county. The challenge will therefore be for the people to change their social behaviour.

SWOT Analysis

Strengths	Weaknesses
Presence of strong NACC structures in the county, CACCs Trained staff	Inexistence of a revised Kenya National AIDS Strategic Plan Irregular and inadequate funding of HIV&AIDS

<p>Declining HIV&AIDS prevalence rates</p> <p>Strong community participation in HIV&AIDS activities</p> <p>Improved supply of drugs</p> <p>HIV and AIDS has been institutionalised in all sectors</p> <p>Existence of support institutions e.g NGOs and CBOs</p>	<p>activities</p> <p>Low staffing levels in health institutions</p> <p>Lack of clear attribution of drivers of HIV&AIDS transmission in the county</p> <p>Lack of resources to conduct regular mobile VCT to hinterland areas</p> <p>Low enrolment into comprehensive care of HIV+ women identified through PMTCT</p> <p>Low couple counselling</p> <p>ARVs not available in all dispensaries</p> <p>Late presentation of patients at advanced stage of HIV infection</p> <p>Only 60% of TB treatment sites also provide HIV testing</p> <p>Poor adherence to ART and other medication among HIV+ patients not receiving nutrition support</p> <p>There is a low number of income generating activities supporting HIV affected groups and those that exist are not sustainable</p> <p>There is low support for PLWHAs in the County</p> <p>Few Sub-ACUs implementing work place policy on HIV&AIDS</p> <p>Lack of statistical data on the impact of HIV & AIDS on the Human Resource in the county</p> <p>Lack of harmonization of donor support Organizations</p> <p>Inadequate information available in establishing an M & E databank</p>
<p>Opportunities</p>	<p>Threats</p>
<p>Mobile VCT and PMTCT services</p> <p>BCC campaigns to promote couple counselling, safe sex and fight stigma</p> <p>Increase ART services, training and capacity building</p> <p>Cash Transfer Support Programme for OVCs</p> <p>Impact assessment survey of HIV & AIDS on the Human Resource</p>	<p>Stigma</p> <p>Tribal conflicts</p> <p>Food shortage</p> <p>Floods</p> <p>Epidemics</p> <p>Poor transport and communication network</p> <p>Religious barriers</p> <p>Number of OVCs is increasing significantly</p>

Study to find out the drivers of HIV&AIDS Development of the Kenya National AIDS Strategic Plan	
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2.2.4 Gender Equality

There exists no significant variation in gender composition in Tana River County. The male to female ratio is 99 to 100. The pattern is reflected in the 2012 population projections.

The main gender concerns in the county are related to access to economic assets and cultural practices that marginalizes women from mainstreaming development. For example in most cultures, women do not participate fully in major decision making processes. This is because cultural beliefs do not give women chances to take up leadership positions and own property. On the political scene, Tana River County has never had a female Member of Parliament and very few women had been elected councillors. Enrolment rates in schools is much lower for girls as compared to boys while dropout rates are higher for girls due to various factors such as early marriages, early pregnancies and preference of boys over girls in education. The challenge for the county is therefore to address socio-economic and cultural factors affecting women participation in development.

SWOT Analysis

Strengths	Weaknesses
Presence of a National Gender Policy on the sector Availability of 348 active women groups Availability of devolved funds such as Women fund, Youth Fund, Njaa Marufuku Kenya, Social Development funds targeted at groups. Availability of youth and women empowerment programs like. KWFT, KYEF, Maendeleo groups Youth Enterprise Fund and; Women Enterprise Fund, Existence of MYWO, Adult education programmes,	Inadequate staff in the Gender office Low Literacy levels. Cultural influences Non-recognition and representation of women in major forums and County committees; Women lack collateral for credit Harmful cultural practices such as FGM Inadequate skills in fund raising and proposal writing Poor management of the social groups Illiteracy.
Opportunities	Threats
Mainstreaming gender issues into various development sectors Programmes which are promoting of girl child education Ensuring gender equity and equality in decision making organs in the county Empowering the Department of Gender and Social	Poverty and inequality HIV&AIDS pandemic Entrenched cultural practices that do not favour women empowerment Gender Based domestic violence

Development in terms of resources to capacity build the communities for self-reliance 30% participation in committees and employment opportunities rule	
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2.2.5 Insecurity

Insecurity has been a major drawback to economic development in the county. Most of the cases of insecurity are as a result of banditry and conflict resulting from ethnic differences over control of natural resources. This scares away potential investors in the county.

Though various initiatives have been undertaken to address insecurity such as formation and capacity building of peace committees, recruitment of Kenya Police Reservists, advocating for peace through the collaboration of the County Government and other NGOs, FBOs and CBOs and initiating the community policing programme, insecurity remains a challenge as clashes occur spontaneously.

SWOT Analysis

Strengths	Weaknesses
Existence of community policing	Deep clan rivalry
Existence of NSIS, police and administration police	Inadequate office and residential accommodation for security personnel
Existence of police reservists	Inadequate community participation in community policing
Existence of active peace committees.	Inadequate vehicles and other equipment to track the criminals
Availability of security installations like. police posts and AP camps	Poor roads and communication networks
Functional Security Committee	
Opportunities	Threats
Cooperation with other line departments, private sector	Illegal possession of firearms
Community peace committees and forums.	Low literacy levels
	Ethnic conflicts
	Challenges of emerging crime
	Use of IT for fraudulent activities
	Failure to disclose information by the community
	Population growth without commensurate increase in employment

2.2.6 People with Disabilities

Persons with disabilities who constitute about 1 percent of the total population of the county have not been well represented in the decision - making positions. Their concerns have not been adequately addressed nor taken into account when planning for the county. At household

and community level, these people are excluded, stigmatized and still viewed as a curse to the family. This limits opportunities for their participation in development activities at all levels. The county has two institutions for the people with disabilities; Hola Lisa School for the Deaf and Hola School for Mentally Handicapped. There are no buildings or transport facilities in the county, public or private that have taken into consideration the needs of the people with disabilities. This limits their access to both government and non-government services.

SWOT Analysis

Strengths	Weaknesses
Existence of an umbrella body for people with disabilities in the county	Lack of comprehensive data on people with disabilities
Presence of 2 schools for the physically challenged people	Deep rooted community culture of excluding the persons with disability
They are organised in self help groups	Low literacy levels
Existence of organisations dealing with issues to do with disabilities	Poor integration in schools and training system
They are registered and willing to operate positively	Stigma towards the physically challenged people
Cash Transfer Programme for persons with severe disabilities	Limited funds and address the issues of physically challenged.
Opportunities	Threats
Inclusion of the physically challenged in decision making organs in the county	Insecurity can threatens programmes addressing concerns of people with disabilities
Mainstreaming the issue of the physically challenged in all sectors of development	Detrimental Cults practices which target people with disabilities

2.2.7 National Diversity

The county has various ethnic groups which include Pokomo, Orma, Wardei, Somalis, Malakote, Munyoyaya and Wata. Pokomos, Munyoyaya and Malakote engage in farming activities while the Orma, Wardei and Somalis are mainly livestock keepers. The challenge for the county is to ensure that all the ethnics groups appreciate each other despite diversity in economic activities, culture and religion.

SWOT Analysis

Strengths	Weaknesses
Existence of diverse cultures	Lack of a cultural centre for cultural exchange
Existence of peace building and peaceful coexistence structures from the locational to county levels	
Opportunities	Threats
Existence of the River Tana and game reserve for tourist attraction	Insecure and porous borders

2.2.8 Disaster Risk Reduction (DRR)

Tana River County experiences various disasters. Droughts occur annually and affect most parts of the county especially the hinterlands. This leads to loss in livestock and poor agricultural produce.

Floods are also prone especially during the heavy rains. Sometimes flash floods from the neighbouring Kitui and Makueni Counties affect the County. During the long rains when Masinga dam reservoir is opened, the river Tana floods as well. This leads to displacement of people and livestock, destruction of crops, property and infrastructure and brings waterborne diseases.

Clashes occur seasonally especially around electioneering period. This leads to loss of lives, displacement of people and livestock and destruction of property.

SWOT Analysis

Strengths	Weaknesses
Existing DMC structures	Inexistent Disaster Management Committees
Periodic assessments by NDMA	Weak information dissemination channels
Existence of education structures	Not incorporated in the curricula
Availability of personnel trained as DRR managers	Inadequate TOTs on DRR
Initiatives to promote food security like irrigation and orphaned cropping	Poor implementation of food security policies
Enough security personnel	Poor equipment of the security personnel
Existence of forums like CSGs	Unclearly defined responsibilities and reporting, duplication of responsibilities
Existence of qualified technical staff to draw contingency plans	Absence of contingency plans
Allocation of funds by national government	Government bureaucracies in utilization of funds
Opportunities	Threats
Presence of stakeholders willing to handle disaster issues	Lack of political will and budgetary allocation
High willingness by the communities on DRR	Misleading information and political interference
Willing expertise to train on DRR	Contradiction with existing cultures
Willing partners to train on DRR	Overreliance on external funding
Consolidated legislations to support agriculture, strengthening of research institutions	Artificial food shortages
Community policing	Extremists targeting such facilities
Availability of several channels of obtaining and sharing information	Selfish interests by some stakeholders
	Retrogressive culture hindering the preparedness

Stakeholders willing to support implementation of contingency and preparedness plans Support from the international community and other local humanitarian agencies	Inability to predict on emergencies
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2.2.9 Inadequate Information and Communication Technology Infrastructure

In the county there is low utilization of information technology with only 45 percent coverage of mobile phone. There is no access to email and internet services for the public in the county. There are also very few bureaus offering computer services to the public in the county. This makes communication in the county difficult.

Though radio transmission is accessible to all parts of the county, the television transmission services are only accessible through satellite dishes that are expensive and out of reach for the largest proportion of the population.

Newspapers are only available in the main trading centres, Hola, Bura and Madogo while the CIDC is poorly equipped and lacks modern communication and information technology infrastructure and software. At the same time Courier services are undertaken by public service vehicles that are unreliable.

SWOT Analysis

Strengths	Weaknesses
Availability of electricity at Hola Mobile telephone coverage in most trading centres Presence of trained statistics personnel Availability of adequate office space for the Kenya Bureau of statistics Availability of computers for statistical analysis.	Lack of adequate and modern equipment; Inadequate communication network such telephone, postal services in the hinterland Low literacy levels Lack of electricity in most parts of the county; Lack of modern and well equipped county information and documentation centre Inadequate access to IT equipments like computers (internet, T.V and news paper) Inadequate skilled manpower Lack of ICT training institutions in the county Untapped energy such as wind and solar energy for running ICT equipment Inadequate access to information especially lack of television access Lack of computer laboratories in secondary and primary schools

	<p>Low staffing levels of the statistics office and information office</p> <p>Lack of entrepreneurship in the ICT sector</p> <p>High cost of ICT equipment.</p>
Opportunities	Threats
<p>A computer supply programme for schools and institutions</p> <p>Cascading of e-government to the grassroots</p> <p>Devolved funds for construction of the ICT laboratories in schools</p> <p>Presence of ready market for ICT graduates</p> <p>Establishment of digital villages</p> <p>Linkages of countys to national fibre optic cable network; Equipping and increased funding to polytechnics</p> <p>Installation of computers, internet, faxes of the CIDC and HIV/AIDS resource centre</p> <p>Carrying out statistical surveys for various needs</p> <p>Building capacity on data collection collation and analysis to line ministries</p> <p>Establishing statistical offices in line ministries and departments</p> <p>Provision of the television services licenses to investors.</p> <p>Favourable government policy on ICT.</p>	<p>Introduction of internet crimes</p> <p>Access to pornography</p> <p>Strengthening of networks that fuel Insecurity.</p>

2.3 Analysis of Development Issues, Causes, Development Objectives, Immediate Objectives proposed Targets and Strategies.

A detailed analysis of the challenges identified in section 2.4 is presented in this section in a matrix form.

Table : County Issues, Causes, Objectives and Strategies

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
Agriculture and Rural Development	Crop Production	Low agricultural production and food shortage	Poor land tenure system Crops destroyed by floods; Erratic and unreliable rainfall; Recurrent droughts; Over reliance on rain fed crop farming; Crop pests and diseases; Wildlife menace; Increase in population; Collapse of traditional food security coping mechanisms such communal farm labour; Inadequate utilization on modern farming methods. Inadequate extension staff; Inadequate rains and under utilization of irrigation mode of farming; Lack of adequate agricultural inputs or machinery; Wildlife menace; Collapse of major irrigation schemes; Low cooperation amongst the farmers	Reduce food poverty from 56.3% to 30% by June 2018; To improve food security and income to crop farming by June 2018.	Increase extension services on modern farming methods by 30% by June 2018; Expansion of Hola, Tana Delta and Bura irrigation schemes by June 2018; Develop 7 minor irrigation projects per year; to increase area under cultivation by 10% per year; To increase production of bananas as a staple food beyond current levels by June 2018; To hold 10 oxen plough demonstration per location by the end of plan period; To introduce fodder conservation and production to 15 groups in the district by the end of the plan period by June 2018; To hold 12 barazas per year to disseminate information on modern and appropriate technologies to farmers,	Promotion of drought resistant crops; Introduction of aquaculture near river line; Use of modern farming techniques; Increase funding for programmes aimed at improving food security; Expansion of Hola, Tana Delta and Bura irrigation schemes; Establish minor irrigation schemes; Reduce incidences of crop and animal diseases; Promotion of orphaned/ crops like cassava, millet; Promote food for assets programme; Water and soil conservation; Strengthening extension services; Introduce water harvesting for crop production; Creation of farmers training schools;
Agriculture and Rural Development	Livestock Production	Livestock pests, diseases and pasture problems	Inadequate of cattle dips and crushes; Pressure on grazing land and water due to influx from	Reduce cases of livestock diseases by 20% by June 2018	Increase the number of cattle dips and cattle crushes by at least 20% by June 2018; Establishment of	Construct more livestock infrastructure such as dips and crushes; Provide sufficient

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
			neighbouring counties; Persistent drought; Lack of diversification in livestock keeping; Keeping large livestock herds Lack of early disease diagnosis and treatment mechanism; Poor animal drug administration		disease surveillance and control system by June 2018; Increase vaccination of livestock by 10% each year	animal drugs; Deploy veterinary and extension service personnel; Clear marking of stock movement routes, holding grounds and coordinate stock movement schedule; Strengthen the management of cattle dips and have them reconstructed; Diversify to more drought resistant livestock breeds; Set up early disease surveillance and control scheme; Train community based animal health workers; Vaccination intensification; Use of quarantine measure for disease control.
Agriculture and Rural Development	Livestock Production	Poor marketing for livestock and agricultural products	Lack of value addition on livestock products; Inadequate marketing facilities such as auction yards; Poor roads communication network. Cultural attachment to livestock; Inadequate farmers marketing co-operatives; Lack of electricity for value addition.	Increase marketing of livestock incomes by 50% by June 2018.	Strengthening the livestock marketing councils in the county Increase awareness and knowledge of value addition of farm and livestock products; Establish milk cooling plant by June 2018	Establish auction yards; Construction of modern markets; Construct modern storage facilities for products; Improve access roads and communication network; Provide credit facilities; Promote formation of farmers' cooperatives to market their products; Promote value addition;

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
Energy, Infrastructure and ICT	Energy	Inadequate access to electricity	Low electricity coverage in the county	Increase business and employment opportunities in the county from 18% to 45% by June 2018.	Increase the number of households with access to electricity to 40% by June 2018	Expand electricity cover to all trading centres; Expand Makere and Nanighi intakes of Hola and Bura irrigation schemes respectively. Promote the use of renewable energy such as solar and wind.
Energy, Infrastructure and ICT	Communication	Poor communication infrastructure	Inadequate funds; Insecurity/vandalism; Natural disasters-floods.	Increase the transport and communication efficiency by 50% by June 2018.	Install TV transmitter by June 2018.	Increase accessibility to telephone services in the hinterlands; Open up TV and radio transmission centres.
Energy, Infrastructure and ICT	Roads	Inaccessibility to markets	Poor road network	Increase road network by June 2018.	Increase the number of roads in good condition from 35% to 60% by June 2018.	Provide funds for major and rural access roads; Open up more rural access roads in the county; Properly maintain all roads; Provision of motorboats for transport across the river;
Energy, Infrastructure and ICT	ICT	Poor Communication and Information Dissemination	Limited coverage of the mobile network; Inadequate internet services; Lack of operational District Information and Documentation centre; Poor dissemination of print media Sauti ya Pwani	To improve communication coverage beyond current levels to 52% by June 2018	To improve mobile phone network coverage to 75% by June 2018; To establish 15 digital villages by June 2018.	Lobbying of mobile phone service providers to invest in unreached areas;

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
Education	Education	Low education and literacy levels	Cultural , religious and traditional beliefs; Inadequate learning facilities (building , desks and textbooks); High dropout rate; Child labour; Insecurity High poverty levels.	Increase the literacy level from 33.7% to 50% by June 2018.	Increase the transition rate for primary to secondary from 53.7% to 60%; Ensure adult literacy classes are well equipped and managed and increase them by 50% by June 2018 Improve school infrastructure by at least 50% by June 2018; To establish and strengthen 15 Area Advisory Councils for children by June 2018.	Provide learning facilities and equipment; Post more teachers especially to understaffed schools; Establish boarding wings in primary schools in pastoral areas; promotion of girl-child education; Revive and equip youth polytechnics; Award bursaries fairly; Prosecute parents and guardians who fail to take their children to school;; promote polytechnic ; Increase Adult learning resource centres.
Governance Justice Law and Order	Justice Law and order	Insecurity and Poor Access to Justice	Proliferation of small arms; Poor communication networks; Inadequate security personnel; Competition for watering and grazing land for animals.	Reduce cases of insecurity by 60% by June 2018	Improve response rate by security forces by 50% by June 2018; Initiate community policing committees in 45 locations by June 2018; Initiate and capacity build peace committees in 45 locations by June 2018.	Enhance participation of all stakeholders through structured information sharing channels; Lobby for increased Kenya Police Reservists personnel and provide them with modern equipment; Improve road network; Provide communication equipment; Increase the number of police posts; Fence watering points; To lobby for funding to establish police

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
						stations and a penal institution; Lobby the judiciary to equip and staff Garsen Law Court;
Health	Health	Poor human health	Inadequate equipped facilities; Inadequate personnel; Inadequate drugs; High poverty levels; Inadequate capacity of the health facilities management committees; Poor transport and communication facilities; Long distances to health facilities.	Reduce Infant Mortality Rate from 91.3/1000 to 77/1000 and under five mortality rate from 147/1000 to 115/1000 by 2012; Increase Life Expectancy from 53.7 years to 65 years by June 2018.	Improve health access by... Increase sensitization campaigns on preventive and promotive health; Reduce morbidity rate by 40% by June 2018; Increase the percentage of under five children immunized from 62.2% to 70 % in June 2018; Increase the number of households with a toilet/ latrine facility from 17% to 50% by June 2018.	Establish new health institutions; Deploy more health personnel; Provide adequate drugs; Train CHWS's and TBA's; Establish community and home drug management kits; Avail transport for health services , Carry out capacity building among health facilities management committees; Install radio call facilities Sensitize communities of importance of immunization.
Health	Health	HIV and AIDS	Inadequate facilities offering HIV and AIDS VCT, PMTCT services; Inadequate funding for HIV and AIDS prevention activities; ARV are not available in all facilities; Stigma.	Reduce HIV/AIDS prevalence rate from 4% to less than 2% and Incidence rate from 4% to 2% by June 2018.	Increase health facilities offering VCT, PMTCT, CCC, ART services from 3 to 10 in June 2018;	Increase the VCT centres ; Increase Mobile VCT and BCC campaigns to promote behavioural change; Increase administration of ARVs; Mobilize more funding from donor agencies; Initiate income generating activities for those infected and affected; Supplementary feeding for those infected; Initiate cash transfer

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
						programmes for the orphans and vulnerable children; Initiate Home Based Care Programmes.
General Economic, Commercial and Labour Affairs	Labour Affairs	Unemployment	Inadequate job opportunities; Lack of manufacturing industries in the county; Inadequate credit facilities; Inadequate Jua Kali facilities; Lack of adequate formal and technical education; Collapse of Bura and Hola irrigation schemes.	Increase employment opportunities by 70% by June 2018.	Increase community driven projects in the county by 60% in the county; conduct 30 capacity building trainings on business skills by June 2018.	Investment promotion for the county; Open and expand technical institutions like polytechnics; Provide micro-credit for Jua kali and women groups; Rehabilitate the major irrigation schemes, Hola and Bura; Establish a mango factory; Promote ICT skills and establishment of digital villages; Promote eco-tourism; Extension of electricity
General Economic, commercial and Labour Affairs	Commercial Affairs	Inadequate financial services	Lack of credit collaterals; Lack of adequate credit institutions; Inadequate knowledge and information on credit facilities; Collapse and poor management of co-operative societies.	Increase financial services in the county by 70% by June 2018.	Revive and increase the number of co-operative societies by 35%; Increase village banks by 50% by June 2018	Revive collapsed co-operative societies and strengthen existing ones; Provide title deeds to group ranches and farming communities; Sensitize communities on the importance of credit facilities; Establish community banks; Encourage more financial institutions to bring their services.

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
General Economic, Commercial and Labour Affairs	Tourism	Low Tourism Activities	Inadequate tourist facilities; Un-rehabilitated cultural sites; Lack of centralized cultural heritage; Inadequate advertising of district tourist sites	Make tourism a major source of revenue in the county by June 2018.	To improve the number of tourists visiting tourist sites in the county by June 2018; To identify and rehabilitate all cultural sites by June 2018; To construct and equip the 2 sub-county cultural centres by June 2018.	Investment in at least 10 tourist resorts in the county; Survey and ascertain the location and status of the cultural sites; Promotion of the county cultural heritage in the county through advertising.
Environmental Protection, Water and Housing	Water	Acute water shortage	Persistent drought and frequent rain failure; Poor water management interventions; Pressure on water points from large livestock herds; Poor water harvesting techniques; Salinity of the underground water;	Ensure constant availability of water for domestic and other uses to 80% of the population by June 2018.	Increase water structures in the county by 50% by June 2018; Form and train 20 water user associations by June 2018.	Construct canal from Tana River to provide water to Madogo and Bangale wards; Construction of small, medium and big dams and pans; Rehabilitation and sinking of new boreholes /wells; Harness water from laghas for agricultural, livestock and domestic use; De-silt existing water points; Promote roof water harvesting; Form and train water users associations; Rehabilitate and augment the existing irrigation works; Carry out the hydrological survey; Lobby devolved funds in the county to support water projects.
Environmental Protection, water and Housing	Environmental Protection	Environmental degradation	Communal land ownership; Non gazettement of forests; Over –	Enhance environment conservation; To improve forest cover from 3% to 10% and enhance	Increase forest cover to 10% by June 2018; Increase sensitization and awareness of environmental	Land adjudication and registration; Increase forest cover; Establish tree

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
			grazing; Illegal charcoal burning; Land degradation through poor mining practices; Failure to rehabilitate minefields; Destruction of forests through cutting of poles; Poor farming practices; River sand harvesting; Poor disposal of solid and liquid waste; deforestation and overgrazing on river banks.	environmental protection by June 2018.	conservation; Increase latrine coverage from 17% to 50% by June 2018; To map and protect at least 2 fragile ecosystems in the county by June 2018.	nurseries; Promoting environmental education, public awareness and participation; Deploy forest guards; Supervision of mining activities; Control overgrazing and soil erosion; Restrict charcoal burning; Promote alternative sources of power other than wood fuel like solar and wind; Sensitize residents on the importance of environmental conservation; Holding monthly tree planting campaigns; Enforce EMCA;.
Environmental Protection, Water and Housing	Wildlife	Wildlife menace	Crops destruction by wildlife; Livestock attacks by wild animals; Encroachment of forests by human beings; Uncontrolled movement of wild animals; Human attacks by wild animals especially crocodiles.	Reduce wildlife-human conflict by 50% by June 2018	Sensitize 500 HHs on the proper wildlife management by June 2018	Community involvement in wildlife management; Fence animal reserves to contain wildlife; Compensation of those attacked by wild animals.
Public Administration and International Relations	Local Government	Poor Urban Planning and Management	Lack of public toilets/latrines; Lack well structured markets; Lack of waste	Institute proper urban planning and management by June 2018.	Increase number of public toilets in trading centres and markets by 70%; Develop part development	Undertake physical planning in all trading centres; Construct proper

County Issues, Causes, Objectives, and Strategies						
Sector	Sub-Sector	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Strategies
			management systems; Poor drainage in urban centres; Poor town planning.		plans for 10 trading centres in the county by June 2018. Establish solid and liquid waste management sites in Hola, Bura and Madogo towns by June 2018	drainage systems; Establish waste management systems; Construct organized markets; Ensure compliance County Govt laws.
Social Protection, Culture and Recreation	Youth and Recreation	Untapped Local Sporting Talent	Lack of exposure; Lack of sporting facilities	To tap local talent in sporting activities by June 2018	To organize and coordinate election for sports leaders by June 2018; To introduce ocean/river sporting by June 2018	Lobby for the posting of the Organize interested youths into sporting groups; Lobby for funds for the construction of a modern stadium within the county
Social Protection, Culture and Recreation	Special Programmes	Floods, Droughts and Ethnic Clashes	Heavy rains; Flash floods; Flat terrain; Failed rains; Political differences; Farmers and Livestock keepers' conflicts	Enhance early warning systems; Promote irrigation farming; Advocate for peace building initiatives by June 2018.	To adopt modern early warning systems by June 2018; Increase irrigation farming by 50% by June 2018; Hold peace meetings every three months by June 2018.	Acquire modern early warning systems equipment; Encourage community members to purchase small water pumps for irrigation; Organize role plays, meetings, seminars as peace drives

**CHAPTER THREE:
COUNTY SPATIAL FRAMEWORK**

3.1 INTRODUCTION

3.2 Spatial Planning Framework in context

The spatial planning framework is among the various plans at the County level as outlined in the hierarchy of plans in the table below:

Type of Plan	Scope	Purpose
County integrated development plan	Defines the operational implementation framework	Strategic implementation of development programmes and projects
County spatial framework	Strategy towards spatial development	Primary level of translation of social, economic and environmental development and management policy into spatial terms and is the primary Land Use management
County spatial development plan	Detailed physical planning on the region	Translation of Spatial Development framework Intentions into Broad based Land Use Directives to guide Local Area Planning.
Local area plans	Detailed physical planning on urban centers and thematic areas	Detailed Physical Planning for urban centers defining Land Use to a level that informs the preparation of Schematic or thematic plans. Also includes zoning regulations
Special area plans	Detailed physical planning for special areas	Detailed Physical Planning for special area e.g environmentally fragile areas defining Land Use

3.3 Methodology

In the formulation of County Spatial Development Framework, it builds up from the County Integrated development plan (CIDP) which outlines the programmes and projects a county needs to accomplish within the implementation period of the CIDP.

The framework relied upon secondary and primary data source. The primary data was sourced mainly by conducting stakeholder forums, reconnaissance and discussions with sector departments. The main purpose was to do an assessment of strategic issues largely based on the prevailing status quo in order to identify areas of potential for the programmes and projects proposed in the CIDP. The other potentials were to be taken into consideration in the long term

plan, The County Spatial Development Plan which would give a long term solution to development issues.

The county Spatial Framework therefore critically locates the programmes and projects on areas of need and high potential for optimum utilization and meeting the needs of the communities to spur the development of the county. Below is a tabulated framework showing the critical sectoral programmes and projects as proposed for the next five years of the CIDP.

3.4 Tabulated Framework

Table : Tabulated Spatial Framework

OBJECTIVE	PROGRAMME/PROJECT	LOCATION – WARD
LAND		
To plan for four settlement schemes in the County	Planning of four Settlement schemes	Wema, Galili, Bangale and Wenje
To create 15 adjudication sections in the County	Creation of 4 adjudication sections	Chunoni, Kulesa, Mwina, Mansabubu, Makere, Milalulu, Chewani, Zubaki, Mikinduni, Ndura, Mazuni, Kinakomba, Jamhuri, Gwano and Benderani
To collect revenue and general administration in settlement schemes and adjudication sections	Collection of revenue and general administration in the schemes and adjudication sections once there are	Witu – I, Witu – II, Kipini settlement schemes and Ngao ‘A’ Adjudication section including the newly created
To plan 13 urban centres in the county	Planning of the 13 urban centres	Hola, Bura, Garsen, Madogo, Bangale, Kipini, Minjila, Waldena,
To establish a GIS station in Hola	Construction and capacitating the station	Hola
To demarcate the County Boundary	Demarcation	Entire County
AGRICULTURE		
To enhance crop production	Extension services	County wide
	Pest and disease control	County wide
	Promotion of high value crops	County wide
	Construction of grain storages	Hola
	Establishment of mango and fruit processing plants	County wide
	Strengthening capacity on the farm mechanization services	County wide
	Water harvesting for crop production (horticulture)	County wide
	Establish agriculture training centre	Hola
LIVESTOCK		
To enhance livestock production	Increase production in poultry meat, poultry egg, beekeeping, beef, milk, Holding grounds (Kurawa, Chifiri and Wenje) Livestock Markets in Waldena,	Entire County

OBJECTIVE	PROGRAMME/PROJECT	LOCATION – WARD
	Kalkacha and Minjila Vertinary laboratory in Hola Modern abattoir in Garsen	
FISHERIES		
To secure and establish more fishery infrastructure	Construction of more fish ponds to increase fish catch To have the landing sites secured from any encroachments Construction of fish processing plants	County Wide
FORESTRY AND WILDLIFE		
To protect and promote agroforestry throughout the county	Protection of natural forests Rehabilitation of degraded forests Establish two arboreta Establish ten charcoal producer association	County Wide
TRADE AND INDUSTRY		
To reduce unemployment rate by 10%	Enhancement of credit facility to the people; Enhance construction of commercial facilities; Improvement of entrepreneur skills through trainings, exhibitions and workshops	County wide
TOURISM		
Promotion of tourism across the county	Conservation of heritage sites; Promotion of culture; Conservation of national reserves; Establishment of more tourist facilities	County wide
ROADS AND PUBLIC WORKS		
To increase accessibility throughout the county	Bush clearing; Grading; Gravelling; Culverting	Boka-Bangale Road Bura Constituency
	Gravelling and Culverting	Bura Town-Bura East Bridge Road; Bura Constituency
	Gravelling and improving drainage system.	Hola- Wenje Road (E874) Galole Constituency
	Construction to bitumen standards and rehabilitation of drainage.	Hola- Garsen Road- B8 Galole and Garsen constituencies
	Patch filling; Bush clearing	Malindi-Garsen Road Garsen Constituency
	Gravelling and rehabilitation of drainage system	Masalani- Boji- B8 Road Galole Constituency
	Gravelling and rehabilitation of drainage system	Hola-Rhoka-Bura (E869) Galole and Bura Constituencies
	Gravelling; Construction of culverts; Earthworks	Gravelling of Manono-Ozi road Garsen Constituency
To increase accessibility throughout the county	Reconstruction of the bridge	Bura Manyatta-Bura Bridge (E863); Bura Constituency
	Rehabilitation of road and	Hola- Waldena-Mutha Road

OBJECTIVE	PROGRAMME/PROJECT	LOCATION – WARD
	improvement of drainage system.	(E723) Galole Constituency
	Gravelling and improvement of drainage system.	Makere to B8 Junction Road Galole Division
	Gravelling and improvement of drainage system	Hola-Haroresa and Kalkacha-Dayate roads Galole Constituency
	Gravelling and improvement of drainage system	Bura-Chewele-Ghamano Road Bura Constituency
	Gravelling and improvement of drainage system.	Nanighi-Sala-Dokanotu Road Bura Constituency
	Gravelling; Construction of culverts; Earthworks	Gravelling of Kilelengwani-Kau road Garsen Constituency
	Gravelling and improvement of drainage system.	Madogo-Mbalambala Road Bura Constituency
	Periodic maintenance	Junction B8-Garsen town road Garsen
	Upgrading to bitumen standard	Kipini-Witu Road Garsen
	Upgrading of the road to engineered gravel standard	Saware-Waldena-Makutano(B8) Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	B8 – Asa road garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Laza – Wenje Road Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Mlanjo A3- Sombo- Hamares Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	B8-Tarassa- Ngao Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Madogo – Mbalambala Road Bura
	Gravelling; rehabilitation of drainage	Junction B8(Bura) – Bura Bridge Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Roka – Laza- Makutano (B8)
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Mlanjo- sombo – Hamares bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Nanighi Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Boji Galole
To increase accessibility throughout the county	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Makere Galole

OBJECTIVE	PROGRAMME/PROJECT	LOCATION – WARD
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Chifiri galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Pumwani Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Majengo galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Mnazini – Kitere Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Sailoni – Wema – Gamba Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Kibusu Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	B8 – Ziwa la Kuta Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Tarassa- Oda Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Ziwa la Kuta – Manono Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction D567- Kilelegwani Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction D8 – Kurawa Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction D8 – Sera Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Rhoka – Laza- Makutano(B8) Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction URP6 – Mitiboma – El Rar Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Rhoka – Bangale Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Malka Mansa – Korani Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Nanighi – Sala Bura
To increase accessibility throughout the county	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Sabukia – Lakole Bura

OBJECTIVE	PROGRAMME/PROJECT	LOCATION – WARD
	system; Laying of culverts	
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Bilbil- Waldesa Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction A3(Bangale) – Boka Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Matagala- Subu- Kornomoku Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Bura – Chewele Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction E874 (Maweni) – Gfuru – Harambee (Junction. B) Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Mkomani – Majengo Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Majengo – Kilindini galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Dc's office – MOR office Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Chifiri – Mitiboka – Junction. E723 Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Mikinduni Junction B8 Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Chifiri – Hakoka Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Manono – Ozi Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Kitere – Sailoni Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Kone – Asa Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Garsen – Maziwa Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	C112 Danisa – Galili Garsen
To increase accessibility throughout the county	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Karengethe – Dalu garsen
	Rehabilitation of the road;	Ngao – Klaus Road Garsen

OBJECTIVE	PROGRAMME/PROJECT	LOCATION – WARD
	Improvement of the drainage system; Laying of culverts	
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Junction B8 – Jajavo Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	B8 – (Galole) – Haroresa Galole
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Wenje- Makere – Hara Galole
	Upgrading to bitumen standard	Town Roads (Hola Town)
	Street Lighting	Hola town, Bura town, Garsen town, Madogo town, Minjilla Bangali, Kipini
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	B8 – Garsen High school Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Tarasaa junction – Ngao district hospital Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Kipini – Bandarini Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Kinangoni – Katsangari Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Mapandio – kipini Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Gafuru – B8 road garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Kilindini – masalani road Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Korlabe – Chira road Garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	B8 – Oda (Kwindwa road) garsen
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Cheridende –Bangale Bura
	Rehabilitation of the road; Improvement of the drainage system; Laying of culverts	Harambee – Gafuru galole
To increase accessibility throughout the county	Construction of bridges	Ngao -Kipao bridge Garsen
	Construction of bridges	Odha – Bura kofira bridge Garsen
	Construction of bridges	Kilelengwani –Ozi bridge

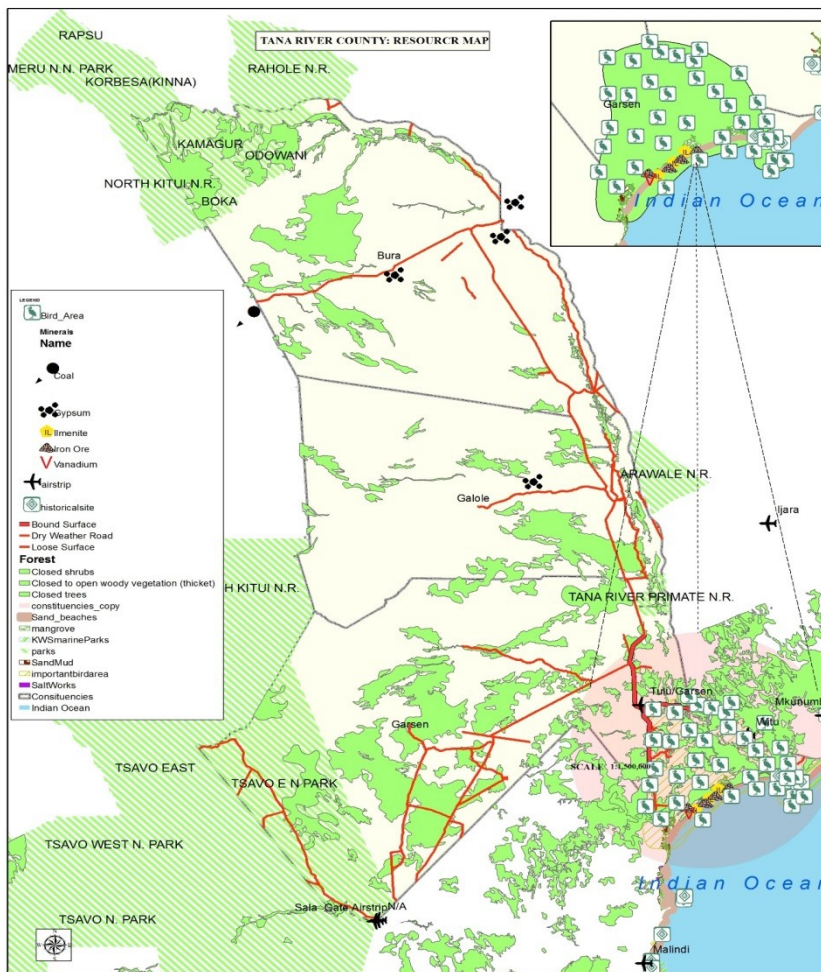
OBJECTIVE	PROGRAMME/PROJECT	LOCATION – WARD
		Garsen
	Construction of bridges	Kilelengwani – Kau bridge Garsen
	Construction of bridges	Mandingo – Handaraku bridge Garsen
	Construction of bridges	Onwardei – Manono bridge Garsen
	Construction of bridges	Onkolde – Galili bridge Garsen
	Construction of bridges	Garsen –Danisa bridge
	Construction of bridges	Kikomo – Ongonyo bridge Garsen
	Construction of bridges	Mnazini –Bahati Garsen
	Construction of bridges	Dibe – Galili bridge Garsen
	Construction of the weighing bridges	weighing bridges at Cheridende , Kurawa
	Construction of bridges	Matagalla foot bridge
	Construction of a bridge	Bilbil bridge
WATER AND SANITATION		
To increase access to water	Boreholes	Wayu (waldena, kalalani), kinakomba (Haroresa) Chewele (Morokani)
	Shallow wells	Wayu (Wayu Duka, Matagala, Daba), Chewani (Chewani, Wachakone) Kinakomba (Gafuru ABC, Masalani) Milalulu (masabubu) Hirimani Chirfa
	Water pan	Bangale Wayu
	Earth pans	Along four laggas
	Water supply companies	Hirimani Madogo Hola Garsen Ngao
	Construction of 50,000m ³ Capacity large dams	Construction of 50,000m ³ Capacity large dams
	Construction of 30,000m ³ Capacity w/pans in all 3 sub- counties	Wayu, Chifiri, Kibaoni, Mandingo, Kokani, Baomo, Mnazini, Matagala, Katumba, Hakik
	To increase food production to alleviate hunger and poverty	Bura irrigation scheme (on going)
Hola irrigation scheme (on going)		Galole
Maramtu irrigation project (on going)		Madogo
Gubatu irrigation project (on going)		Saka – madogo

OBJECTIVE	PROGRAMME/PROJECT	LOCATION – WARD
	Maratani Irrigation Project Makere, Galole (on going)	Galole
	Kinakomba Irrigation Project (on going)	Galole
	Wardhesa Irrigation Project (on going)	Bura
	Quarboma Irrigation Project (on going)	Bura
	Bukuyu Irrigation Project (on going)	Galole
	Bohoni Irrigation Project Milalulu, (on going)	Galole
	Boji Community Irrigation Scheme Wenje (on going)	Galole
	Ghorei Minor Irrigation Scheme Makere, (stalled)	Galole, Wenje, Madogo, Bura
	Irrigation Cluster (new)	County wide
	Drip irrigation promotion (new)	Chewele, Bura
	Sukanya Irrigation Project (new)	Zubaki, Galole
	Kalaule Irrigation Project (new)	Makere, Galole
	Maratani Irrigation Project (new)	Ndura, Wenje
	Kinakomba Irrigation Project (new)	Chewele, Bura
	Wardhesa Irrigation Project (new)	Madogo
	Quarboma Irrigation Project (new)	Mororo, Madogo
	Bukuyu Irrigation Project (new)	

3.5 Sectoral Mapping

Mapping of the sectoral plans for the plan period was done based on the tabulated information above. Mapping was first done for the county's resource base to appreciate the county's endowment in resources. Out of the resource map, sectoral maps were formulated to correspond with the plans the sectors had put to undertake in the five year period of the CIDP. These sectoral plans include dairy farming, fishing areas, rangeland/livestock rearing areas and map for soils that would benefit the agricultural sector. Below is the county's resource map.

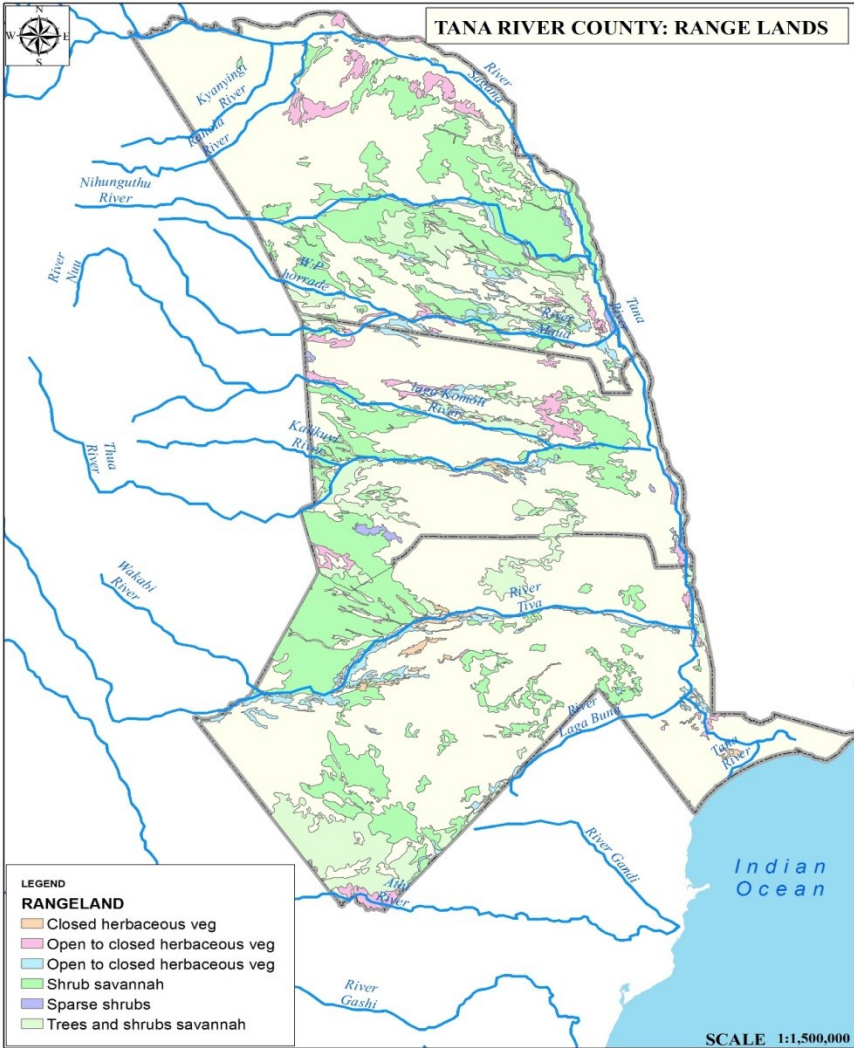
Figure : Tana River Resource Map



The Resource map outlines the various natural resources in the county. Among the mapped items include bird area, the Delta which was declared a RAMSAR site, wildlife which includes the Arawale National Reserves, Tana Primate reserve and Rahole National reserve. Other resources in the county are minerals which include Gypsum deposits especially in Tana North sub county, iron ore, vanadium especially at the Delta, sandy beaches and rangeland for

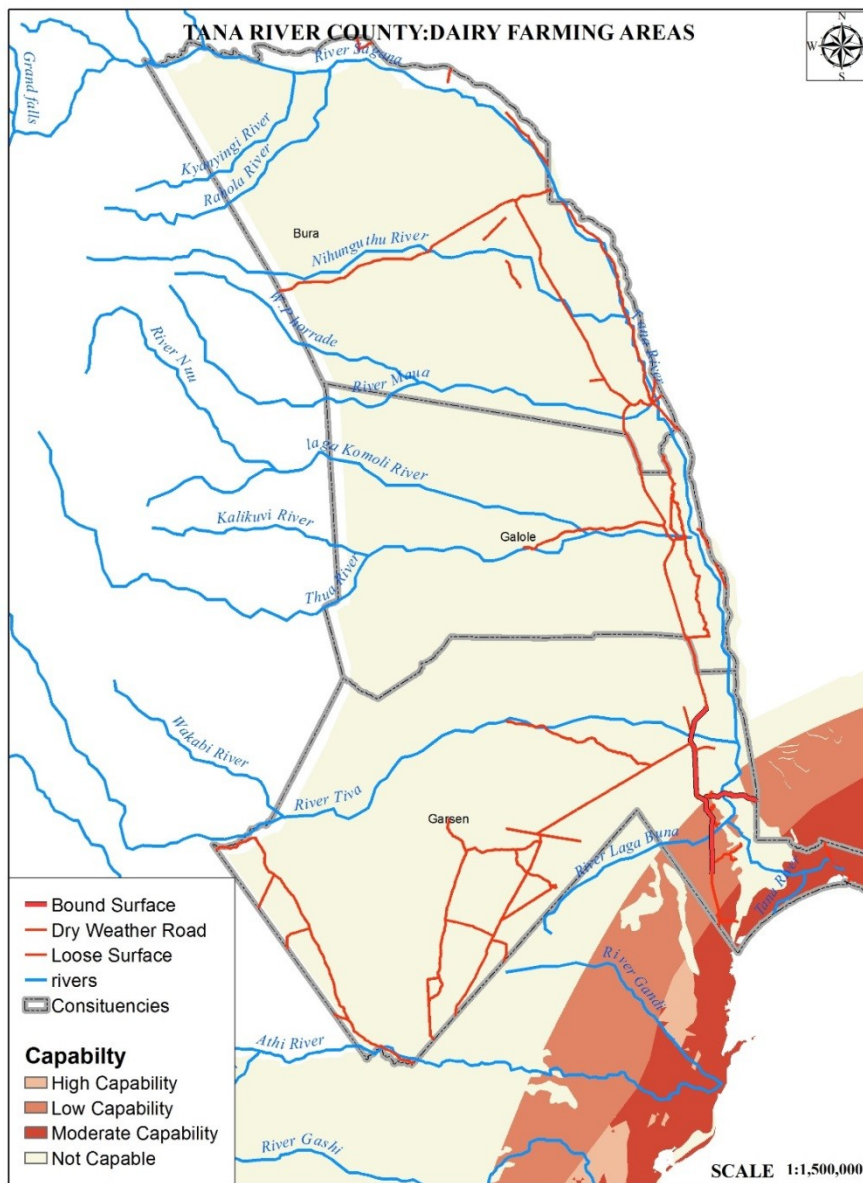
livestock rearing. Individual maps for some of the resources mentioned which form the various sectors are hereby attached.

Figure : Range Lands



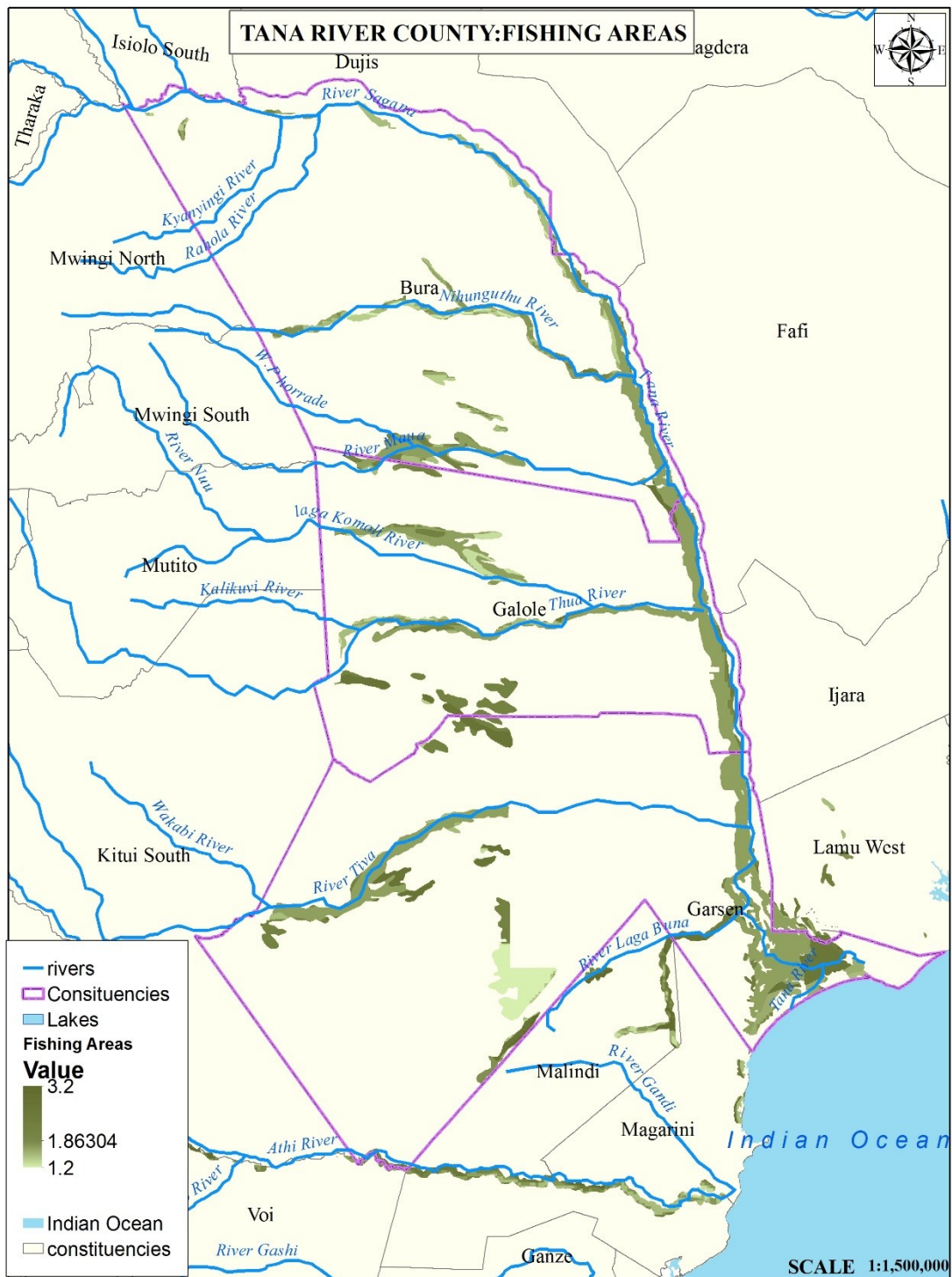
The range lands are mainly concentrated towards the North and West of the County as displayed in the map. The range land ranges from open vegetation to closed vegetation and in some cases having sparse trees and shrubs. It is important to Note that most of the vegetation are along the major drainage channels in the county, especially along the laggas and the River Tana.

Figure : Dairy farming



Dairy farming in Tana River County is only viable at the Delta South of the County. This is the only area that has favourable conditions for dairy farming. The map above has three classes of capability for dairy which include high, moderate and low. These have been represented in different shades to highlight the specific areas.

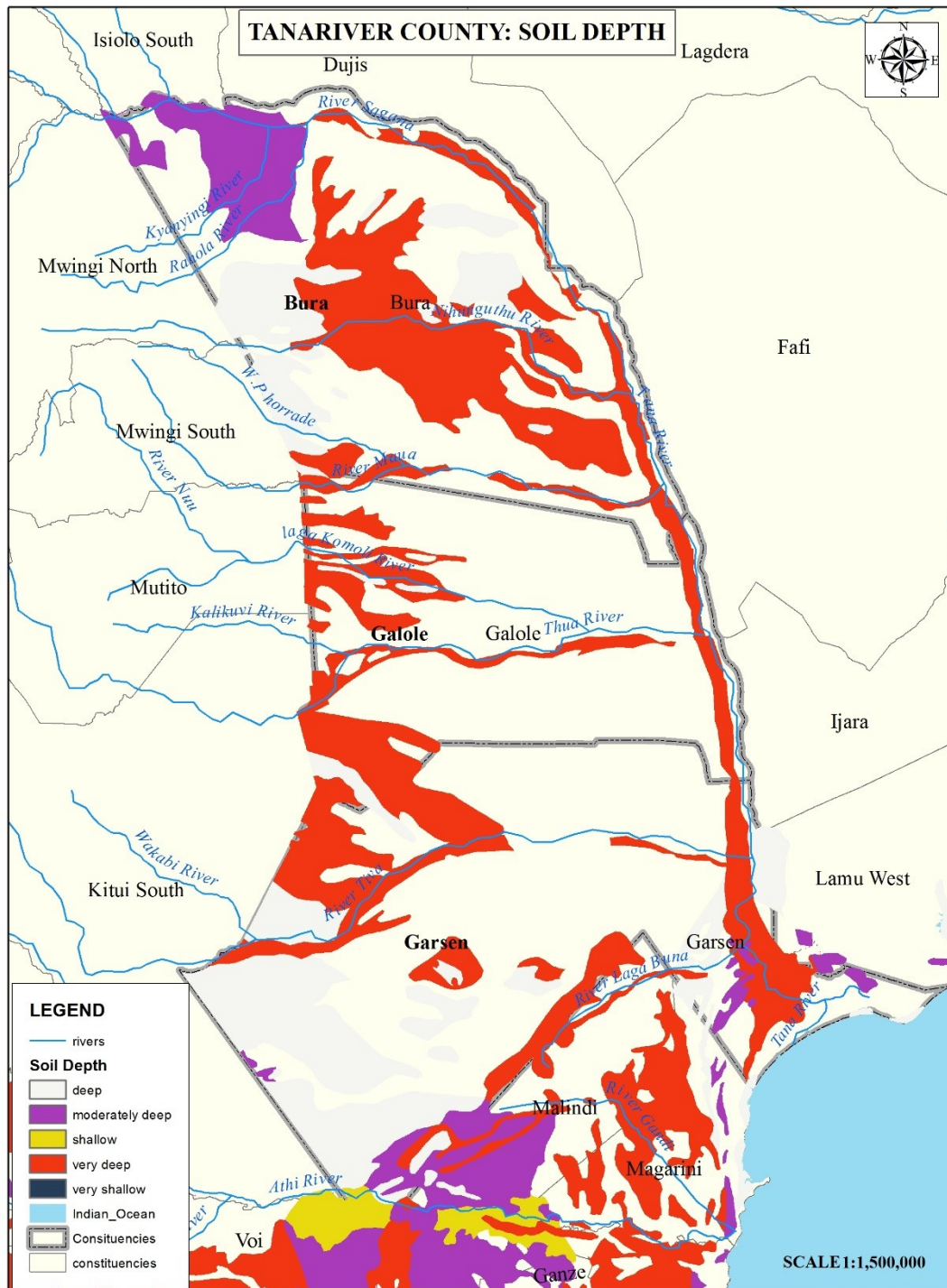
Figure : Fishing Areas



Fish farming in the county has been portrayed to follow the drainage channels. Most importantly, fish farming is dependent on availability of water and that justifies the location of the sites as displayed in the map above. Essentially all the laggas and the River Tana area

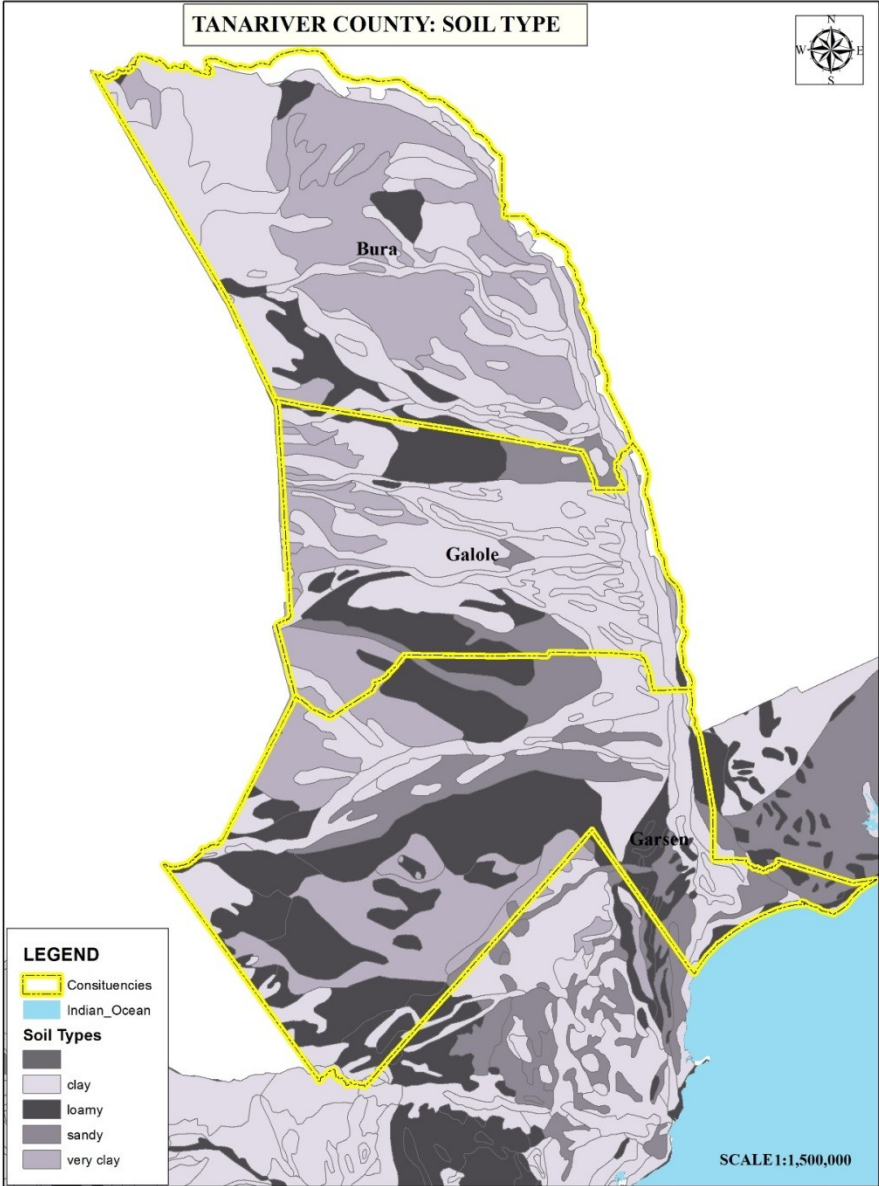
potential areas for fish farming naturally however other mechanisms to provide water in areas that have no water supply may make such areas have the potential.

Figure : Soil Depth



The soil map above shows the areas with shallow to very deep soils. Tana River County has generally deep to very deep soils and this condition helps to justify the vegetation in the range land map. In addition, crop farming also do well in deep soils therefore this map is useful to the agriculturalists. Map 6 subsequently helps to define the various types of soils in the county. The soil types that exist in the county include loamy, clay and sandy. The map 6 below shows the soil distribution in the county.

Figure : Soil Types

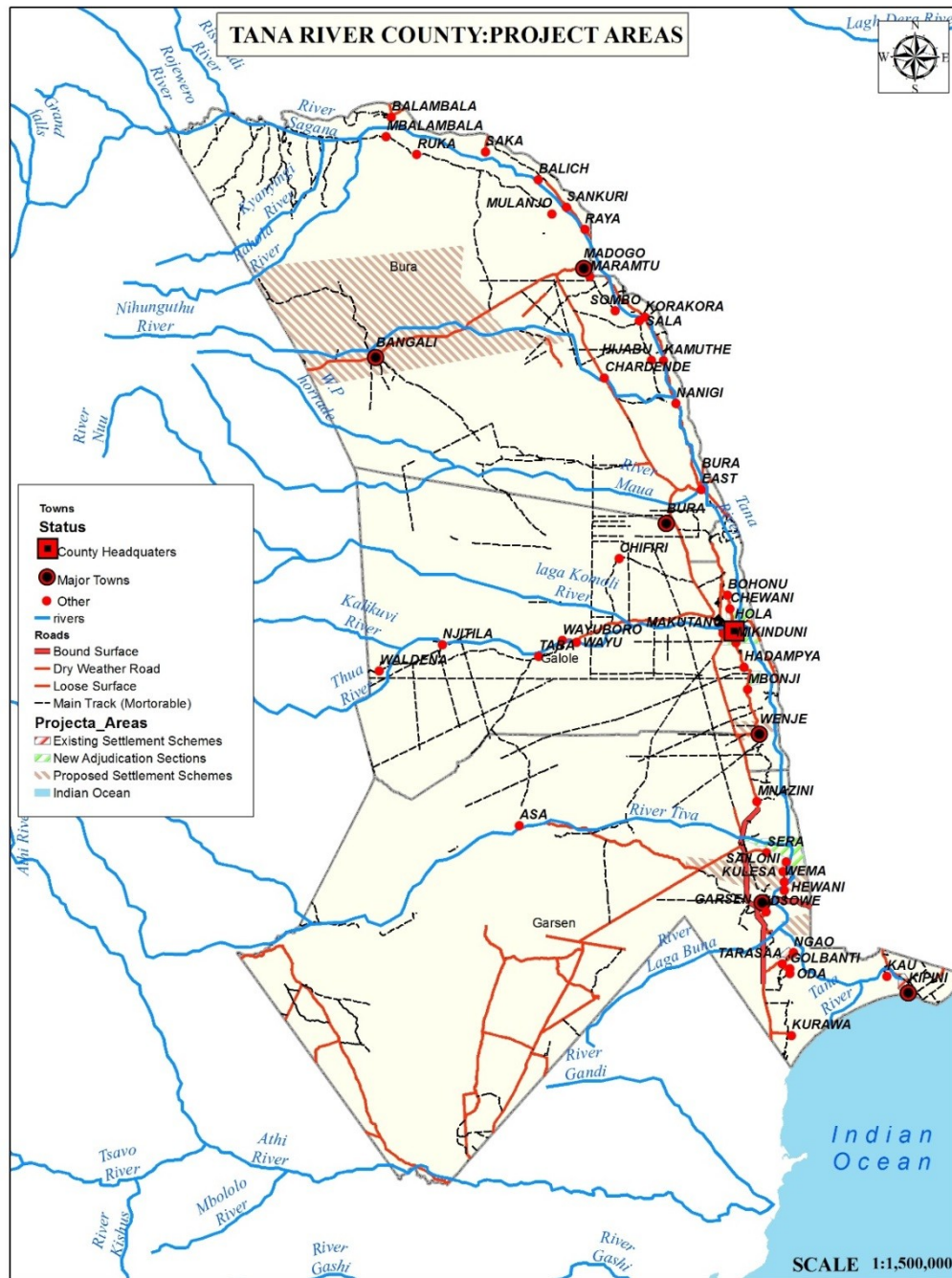


PROJECT AREAS

From the tabulation of projects in the introduction of this chapter, the project map below shows the spatial representation of the individual programmes and projects for various sectors and

departments through the entire five years of the CIDP. More emphasis has been laid on the physical projects that were proposed in the formulation of this plan. They include road, urban development in terms of urban centres, rural development which include proposed settlement schemes and adjudication sections, dam constructions mainly along the major laggas and the micro projects that would occur within the urban and rural set ups as enumerated in the table of proposals.

Figure : Project Areas



**CHAPTER FOUR:
LINKAGES WITH OTHER PLANS**

4.0 INTRODUCTION

This chapter describes the linkages of the County Integrated Development Plan with the county sectoral plans, county spatial plans, sub-county plans, national plans and international commitments made by the government such as the MDGS, and how they apply to the county.

4.1 CIDP Linkages with the Kenya Constitution 2010

The Constitution of Kenya (2010) provides for national values and principles of governance which include sharing and devolution of power. It creates a two-tier government: a national government and 47 county governments. The Fourth Schedule delineates the functions of the national and county governments. A total of 14 functions have been devolved to the counties. The main ones include: county planning and development; agriculture; county health services; control of air pollution, noise pollution, other public nuisances and outdoor advertising; cultural activities, public entertainment and public amenities; county roads and transport; animal control and welfare; trade development and regulation; pre-primary education and village polytechnics; specific national government policies on natural resources and environmental conservation; county public works and services; fire fighting services and disaster management; and, control of drugs and pornography. Emphasis is also made for the counties to ensure participatory development and capacities are developed at the county and community level.

The constitution of Kenya 2010 provides for the enactment of laws that provide a framework of devolution. Six such laws have been enacted, and include; Urban Areas and Cities Act, 2011; The County Governments Act, 2012; The Transition to Devolved Government Act, 2012; The Intergovernmental Relations Act, 2012, The Public Finance Management Act, 2012 and National Government Coordinating Act, 2013

The PFM Act 2012 provides for effective and efficient management of public resources. Article 125 of the Act requires the budget process for county governments in any financial year to consist of integrated development planning process which include long term and medium term planning as well as financial and economic priorities for the county over the medium term. Articles 126 of the Act further obligates each county government to prepare an integrated development plan that includes strategic priorities for the medium term that reflect the county government's priorities and plans, a description of how the county government is responding to changes in the financial and economic environment; and programmes to be implemented.

4.2 Linkages with Kenya Vision 2030

Vision 2030 is the Kenya's long-term development blue print that aims to transform the country into a globally competitive and prosperous nation offering a high quality of life for all citizens by the year 2030. The vision is based on three pillars: economic, social and political. The Economic Pillar aims at providing prosperity for all Kenyans through an economic development programme meant to achieve sustainable growth at an average rate of 10% per annum over a period of 25 years, while the Social Pillar seeks to build a just and cohesive society enjoying equitable social development in a clean and secure environment based on the transformation of eight selected social sectors namely, education and training, water and sanitation, the environment, housing and urbanization, gender, youth, sports and culture. The Political Pillar on the other hand aims to realize a democratic, issues- based, people-centred and accountable political system that respects the rule of law and protects the rights and freedoms of every individual in Kenya.

The Vision is being implemented through a series of five-year Medium Term Plans (MTPs) where the first one covered the period 2008-2012. At the local level the Vision 2030 will be implemented through the county plans which set the local priorities. The Lamu Port South Sudan Ethiopia Transport corridor (LAPSSET) project and the agricultural development of Tana delta are two flagship projects which could impact the county development. Programmes to be implemented in the county will also need to be aligned to the priorities of the Vision and the MTP.

4.3 Linkages with Medium Term Plans

The Vision will be implemented through a series of five-year Medium Term Plans (MTPs) where the first phase of the implementation of the MTP covered the period 2008-2012. Both Vision 2030 and the MTPs are expected to contribute immensely towards the achievement of the Millennium Development Goals (MDGs). The latter are eight internationally accepted development goals that are time bound standards for measuring the progress on poverty alleviation and development commitments by the international community by 2015.

Like the Medium Term Plan, this County Integrated Development Plan (CIDP) is instrumental in actualizing the Vision 2030 at the county level. This will be accomplished through programmes and projects which were selected through a consultative process representing the county's medium term priorities towards achieving Vision 2030, the MDGs and other

government policies. These projects are prepared in line with the Medium Term Expenditure Framework (MTEF) sectors and therefore provide the link between planning, budgeting and implementation at the county level.

The County Government Act, 2012, stipulates that county government shall plan for the county and no public funds shall be appropriated outside a planning framework developed by the County Executive Committee and approved by the County Assembly. This Act along with the Public Financial Management Act, 2012, therefore calls for preparation of County Integrated Development Plans (CIDPs) which must be aligned to the National Development Plan. In view of this, County Integrated Development Plans and other plans provided in the County Government Act is aligned to Kenya Vision 2030 and the second Medium Term Plan 2013-June 2018. As such CIDPs will provide the essential linkages of the National and County Governments by facilitating the implementation of Vision 2030 flagship projects as well as other projects and programmes that will ensure implementation of Kenya Vision 2030 at both levels of Government.

4.4 CIDP Linkages with the Millennium Development Goals

The MDGs are a set of globally agreed goals aimed at assessment of county progress towards development by 2015. In total there are eight goals covering aspects on; ending poverty and hunger, universal education, gender equality, child health, maternal health, combating HIV&AIDS, environmental mainstreaming and global partnership. The goals and their targets cover three broad aspects of sustainable development namely; social, economic and environmental. There are programmes and projects being implemented by various stakeholders and have served in ensuring MDGs are achieved by 2015.

As part of its contribution to the overall aim of providing quality of life for all Kenyans, the county will have to continue mainstreaming MDGs into its planning, budgeting and implementation activities in line with Kenya Vision 2030 and the second Medium Term Plan 2013-June 2018, thereby contributing to eradication of extreme poverty and hunger, achievement of Universal Primary Education (UPE), promotion of gender equality and women empowerment, reduced child mortality, improved maternal health, reduction of national and county HIV&AIDS prevalence rates, malaria and other major diseases; environmental sustainability and development of global partnerships.

4.5 Status of Millennium Development Goals in the County

The status of each goal in Tana River is as shown hereunder.

Goal 1. Reduce extreme poverty and hunger: Poverty remains a major challenge in the county. It is estimated that 76.9% of the total county population live below poverty line. Droughts, coupled with conflicts are partly responsible for the high poverty incidence. The county is endowed with various natural resources which remain underutilized. A large number of businesses in the county are still at their budding stages. There is need therefore to implement programmes that will bring about faster growth, increase household disposable income to ensure that the goal is achieved.

Goal 2. Achieve universal primary education: The county is not on course in ensuring that school going age have access to primary education. This is indicated by the low net enrolment rate of 49.2 percent. This means that many children of school-going age are still at home despite the free primary education and other programmes that are meant to boost enrolment levels. The transition rate from primary to secondary is 87.3 percent and this can be attributed to improved infrastructure, new schools, bursaries and school feeding programmes. Literacy rate of 15-24 year-olds, women and men is at 27.6 percent and 40.2 percent respectively. This goal is unlikely to be met in the county if investment in this direction is not given the attention it deserves.

Goal 3 and 4. Reduction in child mortality rates and improved maternal health:

In 2012, immunization coverage was 76 percent which was below the WHO/National average of 90 per cent. In meeting the required coverage, the county is constrained by nomadic life style and frequent depletion of stock of the antigens. The child mortality rate (below five years) is 87 per 1000 and infant mortality rate is at 71 per 1000. The proportion of births attended by skilled health personnel stands at 23.2 percent. This implies that many mothers deliver at homes and the chances of achieving this goal are very low. The contraceptive prevalence rate is 34.3 percent.

Goal 5. Promote Gender Equality and Empowerment of Women

The girl to boy ratio in primary and secondary schools are 0.757 and 0.486 respectively which compares very lowly with the national level of 0.958 and 0.834 respectively. Thus indicating that gender parity in both primary and secondary education is likely not to be achieved. The

Constitution of Kenya 2010 will increase the proportion of women in the public service and the county assemblies. This therefore indicates that the MDG target is likely not to be achieved by 2015.

Goal 6. HIV/AIDS, malaria and other diseases: The HIV & AIDS prevalence rate among the population aged 15-24 years is 1.3 percent. The proportion of population aged 15-24 years with comprehensive correct knowledge of HIV/AIDS is 55.2 percent. Free Voluntary Counselling and Testing services are available at all public health facilities with mobile Voluntary Counselling and Testing services are also offered. There is significance access to HIV and AIDS treatment services and Anti-Retroviral Drugs being made available in all the public health facilities. Though the health department continues to supply insecticide treated mosquito nets for use by children and pregnant women, only 15 percent of children under five sleep under insecticide treated mosquito nets. Thus malaria continues to be the most prevalent disease affecting over 60 percent of all reported causes of morbidity.

Goal 7. Ensure environmental sustainability:

Management of natural resources has continued to dog the communities in the county due to illiteracy as is manifested in the wanton destruction of forests and catchment areas, natural disasters like droughts and harsh climatic conditions. Rehabilitation of catchment points, afforestation of degraded land, formation and training of Community Environment Committees (CEC), as well as formation of Community Forest Associations (CFA) to protect forest cover remain key strategies that need to be undertaken to address environmental sustainability. The area undergazatted forest cover is about 236,344.6ha, representing only 6.7 per cent of the county's land mass. Theprovisional forests cover is about 22,016ha. The gazetted and ungazzeted forests translates into 9.2 per cent of the total county area.

Sanitation is still very low andattention is on waste disposal, whereby of all the centres across the county, only Hola has a public toilet. Collection of waste is done by the council within Hola town though there is no designated disposal point for the waste. The households accessing clean drinking water are about 45 percent. Efforts are being made to bring water close to community especially those living in the hinterland.

Most urban/trading centres within the county have no drainage systems with no definite systems of clearing solid and liquid waste material with a biggest percentage being disposed anyhow. There has been slow pace in implementing environmental policy aimed at environmental sustainability. Most projects in the county are implemented without IEAs.

Goal 8. Develop a global partnership for development:

The County's telecommunication coverage is growing especially within towns/centres that have electricity with almost 65 percent having access to mobile phone services. The mobile network covers only parts of centres along the Garsen-Hola-Garissa road while most of the hinterland is not covered. The landline telephone communication connectivity is 0.35 percent. There has been an increase uptake of internet usage both in the public and the private sector. The county is yet to be connected to the fibre optic cable and internet access charges are still high. Accessibility to computer by the general public is very low due a low presence of cyber cafes.

4.6 CIDP linkages with Sectoral Plans, Spatial Plans and Urban Plans

The law provides that county departments prepare ten year sectoral plans as a component part of the county integrated development plan. The County sectoral plans are programme-based and are the basis for budgeting and performance management. The plan will be reviewed after every five years by the county executive and approved by the county assembly. The spatial plan will be updated annually and is linked to the regional, national and other county plans; and clear clarifications on the anticipated sustainable development outcomes of the plan.

Spatial Plans

The county is required by law to prepare a ten year-spatial plan. The spatial plan is to be based on GIS database reflecting a spatial depiction of the social and economic development programmes of the county as articulated in the CIDP. Spatial planning identifies development projects and programmes and locates them on specific geographic areas in a county. Spatial plans also display the necessary coordination between various sectors, like transport networks and their relationship to agricultural production and markets; industrial areas and energy projects that supply them; zoning of urban-versus-rural areas; public facilities and private home developments.

Spatial plans have a regulatory and developmental function in a county. In addition, spatial plans must include economic, social and governance dimensions of the Integrated Development Plan.

The spatial plan will include establishing of local priorities through public consultations. Preparing draft spatial plans with medium-to-long-term strategies to realize and co-ordinate those priorities. Consultation with local, regional and national stakeholders, identifying and

protecting areas of county-specific infrastructure, natural resources (like forests and minerals), and recreational areas, appropriate environmental assessment of county-specific projects and programmes, review of other local, county and national spatial plans to ensure conformity and coherence, monitoring and evaluation of spatial development trends, expected impact of climate change and measures for mitigation (like flood and drought control), capacity – building measures for implementation of the spatial plan, mechanisms for arbitration between stakeholders in spatial plans.

Urban Plans

The Urban Areas and Cities Act, 2011 is also emphatic on the need for five year cities and urban areas integrated development planning and the need to align annual budgeting to the plan. These plans are separate from those of the county but they must be aligned to county integrated development plans. Section 36(2) of the Act states that, an integrated urban or city development plan shall bind, guide, and inform all planning for development and decision-making and ensure comprehensive inclusion of functions.

Section 37(1) of the *Urban Areas and Cities Act, 2011* requires that urban area integrated development plan shall be aligned to the development plans and strategies of the county governments. The urban area integrated development plan is expected to be the basis for:

- i) the preparation of environmental management plans; the preparation of valuation rolls for property taxation;
- ii) provision of physical and social infrastructure and transportation;
- iii) preparation of annual strategic plans for a city or municipality;
- iv) disaster preparedness and response;
- v) overall delivery of service including provision of water, electricity, health, telecommunications and solid waste management; and
- vi) the preparation of a geographic information system for a city or municipality.

**CHAPTER FIVE:
IMPLEMENTATION FRAMEWORK**

5.0 INTRODUCTION

This chapter provides the institutional framework and organizational flow chart that will guide the implementation of the County Integrated Development Plan. It outlines the stakeholders in the County, and the roles that they will play and how their functions are accommodated to avoid duplication of efforts.

The Constitution of Kenya 2010 created a two-tier system of government, a national government and 47 county governments. Under this system, county governments have been established to promote social and economic development and provision of proximate, easily accessible services throughout Kenya. In addition to the constitution, several Acts of parliament were enacted to support the devolution framework. These are Urban Areas and Cities Act, 2011; The County Governments Act, 2012; The Public Finance Management Act, 2012 and National Government Coordinating Act 2012.

While these acts provide institutional framework for coordination and implementation of policies and development activities, these acts exist in an environment where other Acts have been in existence. These laws include; Constituency Development Fund Act 2013, The Water Act, Coast Development Authority Act, Road Acts, Irrigation Act, Kenya Wildlife Act, among others.

This situation calls for concerted efforts for frequent consultations, collaboration and networking between the players at the county level. The following institutions will therefore play an important role in delivering the much anticipated development.

Table : County Government Functions as listed in the Fourth Schedule of the Constitution of Kenya 2010

S/No	County Government Functions as listed in the Fourth Schedule of the Constitution of Kenya 2010
1.	Agriculture, including—(a) crop and animal husbandry; (b) livestock sale yards; (c) county abattoirs; (d) plant and animal disease control; and (e) fisheries
2.	County health services, including, in particular— (a) county health facilities and pharmacies; (b) ambulance services; (c) promotion of primary health care; (d) licensing and control of undertakings that sell food to the public; (e) veterinary services (excluding regulation of the profession); (f) cemeteries, funeral parlours and crematoria; and (g)

S/No	County Government Functions as listed in the Fourth Schedule of the Constitution of Kenya 2010
	refuse removal, refuse dumps and solid waste disposal.
3.	Control of air pollution, noise pollution, other public nuisances and outdoor advertising.
4.	Cultural activities, public entertainment and public amenities, including; (a) betting, casinos and other forms of gambling; (b) racing; (c) liquor licensing; (d) cinemas; (e) video shows and hiring; (f) libraries; (g) museums; (h) sports and cultural activities and facilities; and (i) county parks, beaches and recreation facilities.
5.	County transport, including; (a) county roads; (b) street lighting; (c) traffic and parking (d) public road transport; and (e) ferries and harbours, excluding the regulation of international and national shipping and matters related thereto.
6.	Animal control and welfare, including— (a) licensing of dogs; and (b) facilities for the accommodation, care and burial of animals.
7.	Trade development and regulation, including; (a) markets; (b) trade licences (excluding regulation of professions); (c) fair trading practices; (d) local tourism; and (e) cooperative societies.
8.	County planning and development, including; (a) statistics; (b) land survey and mapping; (c) boundaries and fencing; (d) housing; and (e) electricity and gas reticulation and energy regulation.
9.	Pre-primary education, village polytechnics, homecraft centres and childcare facilities.
10.	Implementation of specific national government policies on natural resources and environmental conservation, including (a) soil and water conservation; and (b) forestry.
11.	County public works and services, including; (a) storm water management systems in built-up areas; and (b) water and sanitation services.
12.	Fire fighting services and disaster management
13.	Control of drugs and pornography.
14.	Ensuring and coordinating the participation of communities and locations in governance at the local level and assisting communities and locations to develop the administrative capacity for the effective exercise of the functions and powers and participation in governance at the local level.

5.1 County Executive Committee

The county Executive committee which is provided in the Constitution of Kenya (CoK) 2010 is the highest decision making body in the county. The functions as spelt out in CoK 2010 and County Government Act, 2012 include; implementation of county legislation, implement national legislation in the county, manage, coordinate the functions of the county administration and its departments, supervise the administration and delivery of services in the county and all decentralized units and agencies in the county;

The county executive committee is also mandated to;

- (a) monitor the process of planning, formulation and adoption of the integrated development plan by a city or municipality within the county;
- (b) assist a city or municipality with the planning, formulation, adoption and review of its integrated development plan;
- (c) facilitate the coordination and alignment of integrated development plans of different cities or municipalities within the county and with the plans, strategies and programmes of national and county governments.

For effective implementation of development activities the executive has been classified as follows; office of the Governor, Deputy Governor, Finance and Planning, Roads and Public Works, Trade, Tourism and Industry, Agriculture, Livestock, Land and Fisheries. Others include Cohesion and Special Programmes, Environment and Natural Resources, Gender, Social Services and Youth Development and Water, Health and Sanitation.

5.2 Town management committees

To ensure efficient and effective management of towns in the county, the cities and urban areas Act, 2011 establishes town management committees whose functions are to; (a) oversee the affairs of the city or municipality; (b) develop and adopt policies, plans, strategies and programmes, and set targets for delivery of services; (c) formulate and implement an integrated development plan; (d) control land use, land sub-division, land development and zoning by public and private sectors for any purpose, including industry, commerce, markets, shopping and other employment centres, residential areas, recreational areas, parks, entertainment, passenger transport, agriculture, and freight and transit stations within the framework of the spatial and master plans for towns (e) promote and undertake infrastructural development and services; (f) develop and manage schemes, including site development in collaboration with the relevant national and county agencies; (g) maintain a comprehensive database and information

system of the administration and provide public access thereto upon payment of a nominal fee; monitor and, where appropriate, regulate city and municipal services where those services are provided by service providers other than the board of the city or municipality; prepare its budget for approval by the county executive committee and administer the budget as approved; (m) as may be delegated by the county government, collect rates, taxes levies, duties, fees and surcharges on fees; (n) settle and implement tariff, rates and tax and debt collection policies as delegated by the county government; (o) monitor the impact and effectiveness of any services, policies, programmes or plans;(p) establish, implement and monitor performance management systems;(q) promote a safe and healthy environment; (r) facilitate and regulate public transport

5.3 County Projects Committee

The Constituency Development Fund Act 2013 establishes County Project Committee whose main function is to coordinate the implementation of projects financed through the Fund. The role of the County Project Committee is to align the constituency projects with the County's Development Plans and Policies so as to ensure that no duplication of projects occur particularly where it is prudent to combine efforts on projects designed to benefit a large section of community traversing several constituencies in a County.

5.4 The National Government Service Coordination Units

The National Government Co-ordination Act 2013 provides a framework for coordination of National Government functions at the County Level. The office of the County Commissioner which is a national Government service delivery coordinating unit will play an important role in ensuring that there is harmony, collaboration and cooperation with county government in the implementation of development programmes at the county level.

5.5 County Assembly

The county assembly which is the legislative authority of the county plays an oversight role over the county executive committee and any other county executive organs. The county assembly receives and approves county development plans and policies for the management and exploitation of the county's resources; the development and management of county infrastructure and institutions. The assembly also approves the budget and expenditure of the county government.

5.6 Non-state Actors

The non-state actors who include Public Benefit Organisations (PBOs), Charitable organisations, Faith Based Organisation (FBOs) and the Private sector play an important role in community development. Many of them are engaged in resource mobilization and funding of projects and programmes, capacity building and empowering of community members. In the CIDP implementation, these organizations are expected to continue supporting the development process. The county government however, expects to have a formal way of engaging them so as to avoid wastages and duplication. Some of the ways include joint planning and monitoring and evaluation with county departments, disclosure of their resource kits and submission of their progress reports.

**CHAPTER SIX:
RESOURCE MOBILIZATION FRAMEWORK**

6.0 INTRODUCTION

This chapter outlines the approach that will be adopted by the Tana County in managing the resources, fiscal framework and financing of deficits. It emphasizes prudence in the management of the county assets and expansion of the revenue base, within the legal framework.

6.1 Resource Mobilization Framework

During 2013/2014 financial year the County will require a gross total budget of Kshs. 3,411,202,556 where Kshs. 2,197,566,648 for the Recurrent budget and Kshs. 1,225,767,629 for the Development budget. To ensure that citizens easily access vital government services in the County, the focus will be to operationalize the administrative units created by the Constitution 2010 under the devolved system of Government as well as recruiting personnel to fill those positions created by law.

The County will therefore require enhanced resources for recurrent and development votes respectively during the entire planning period (July 2013-June 2018) to implement its programmes.

The ability of the County Government to raise revenues and allocate resources to meet various competing needs, has a direct bearing on the level of economic and social development that will be achieved. Prioritization of scarce resources is therefore key in the budget making process. The County Government is mandated to coordinate the County Strategic Plan Preparation process aligned to the Medium Term Expenditure Framework (MTEF).

The county government will prepare fiscal framework and factor in macro issues-unemployment, price of basic foodstuffs and general cost of living at the county level while formulating and outlining sources of potential Revenues and estimated Expenditures. In most cases revenues are not enough to meet the expenditure demands, In such cases we end up with a deficit (Revenue minus expenditures) and to fund this deficit the County Government will have to mobilize additional resources. Resource allocation focuses on County priorities that ensure that budget proposal gives priority to programmes that will contribute to growth of the county economy and raising the levels of income per capita, focus on poverty alleviation and increasing job opportunities, completion of ongoing projects, communities/stakeholders have identified and recognized as important through public participation and are sustainable within the projected fiscal framework for the MTEF period.

Sources of revenue for the county government will include but not limited to, transfers from the Central Government, Appropriation in Aid (A.I.A), fees and fines collected amongst others. Public Financial Management Act 2012 repealed the *External Loans Act Cap 422, Internal Loans Act Cap 420 and the National Government Loans Guarantee Act, 2011.*

6.2 Asset Management

A proper record of assets is absolutely essential as foundation for effective management. Comprehensive & timely data needed for will be required for Monitoring liabilities and getting early warning of possible problems. Active management of assets cannot happen without availability of comprehensive assets information.

- Automation to enhance public finance management-IFMIS and e-ProMIS
- Assets management and recording system

6.3 Strategies for raising revenue and their projections for the planned period and expansion of revenue base with the central government

In the fiscal framework, financing is one of the key pillars that determine the implementation of the identified line of expenses. In Tana River County, various approaches will be explored to increase the pool of revenue available;

Resuscitation and establishment of new projects having higher revenue generation potentials:

1) Industry-

Tana County will develop legislation on fishing sector, and how to tap on the foreigners that extract goods and services from the County. Working relationships will be established, with Malindi Bay and Ungwana Bay to maximize returns from the sector.

Mango processing industry if well structured and invested in, is expected to produce about 30 tonnes daily. Approximately, 20 million mangoes per year are to be exported, and revenue of about 1.5 billion per billion per annum.

Livestock Industry will be developed through establishing an abattoir in Garsen to handle about 150 heads of animals per day. This is projected to be able to generate KSh. 6 billion per annum. Exportation of livestock is envisaged to play a key role in the economy of Tana, and capable of generating more than KSh. 3 billion annually.

Feasibility study will be prepared in order to establish the potential of Milk processing plant in Garsen.

2) **Tourism**

Revival of tourism industry in the Tana County through targeting a minimum of 1000 visitors and means of entrenching and enhancing absorption of tourists spending locally. This will require diversification of tourist's attractions and recreational facilities in the County.

3) **Agriculture**

Tree planting will be enhanced in the County, through allocation of land for forest. This provides an opportunity to tap into Carbon Financing scheme.

Dams will be constructed in the geographic areas of Hiriami(Bura), Galole (Hola), Kokami (Garsen) and Saga Buma in Garsen. The dams are expected to provide foundation for tree planting, fishing and water facility sports.

6.4 Financial Management Strategies

PFMA 2012 and the Medium Term Expenditure Framework stipulate best practices for the management of public resources. MTEF is a transparent planning and budget formulation process, that aims at improving decision making process to link policies, requirements & priorities within limited resource constraints. The objective of MTEF is to enhance comprehensive & realistic framework for planning and management of public resources, Increase predictability of resources through a structural budget planning process that provides a more reliable estimates of revenues and expenditures over a 3 year period, smoothen contestability of resources where programmes compete for the limited resources and demand accountability for performance-allocations linked to projected outputs and policy outcomes.

6.5 Capital financing strategies and attraction of external funding

Other mechanisms of attracting revenue in Tana County will include;

1. Cess collection
2. Land rent and plot rent
3. Bill boards and sign bill boards
4. Parking fee in the towns of Hola, Bura, Madogo and Garsen
5. Attracting investment in the county through effective business regulations

**CHAPTER SEVEN:
COUNTY DEVELOPMENT PROJECTS AND PROGRAMMES**

7.0 INTRODUCTION

This chapter presents a highlight of programmes identified in various forums including, Kenya Vision 2030 and the first MTP dissemination forums; MTEF consultative forums; the 2nd MTP Consultations, other development consultations at other devolved levels and departmental heads. The chapter presents the projects and programmes as follows; Ongoing projects, (flagship and others), stalled projects, outstanding/unfunded projects and new proposals.

The information is presented based on the Medium Term Expenditure Framework budgeting system. Nine sectors have been used, namely, Agriculture and Rural Development; General Economic, Commercial and Labor Affairs; Energy, Infrastructure and ICT; Environmental Protection, Water and Housing; Health; Education; Governance, Justice, Law and Order; Public Administration and International Relations; and Social Protection Culture and Recreation.

For each of the MTEF sectors, the national sector vision and mission are stated. In addition, the county's response to the sector vision and mission and the role of the stakeholders are explained. Finally, the priorities identified during the Medium Term Plan (2013-June 2018) county consultations are presented as new proposals. Cross Cutting issues in each sector are also included.

7.1 Agriculture and Rural Development Sector

The Agricultural and Rural Development (ARD) Sector comprises of the following eight sub-sectors: Agriculture; Livestock Development; Cooperative Development and Marketing; Lands; Fisheries Development; Forestry and Wildlife; National Land Commission and Agricultural Research & Development (ARD).

7.1.1 Sector Vision and Mission

The sectors' vision and mission are:-

Vision:An innovative, commercially-oriented and modern Agriculture and Rural Development Sector.

Mission:To improve livelihoods of Kenyans through promotion of competitive agriculture and innovative research, sustainable livestock and fisheries development, growth of a viable cooperatives sub sector, equitable distribution and sustainable management of land resources and sustainable management of forestry and wildlife resources.

7.1.2 County Response to Sector Vision and Mission

Rapid development in the county will require that the county attains food security and sufficiency. For this to happen, there is need to improve crop production through crop, pests and disease control and management through the Njaa Marufuku Kenya Project, increase livestock production, fisheries development, co-operative development, forestry and wildlife and land management, development of improved livestock marketing and infrastructure as well as agricultural products marketing. This can be achieved through promotion of private investment in value addition of agricultural and livestock products. There will also be livestock disease control and improvement of breeds.

The county will develop strategies which focus on development and coordination of programmes and projects in agriculture and livestock development, continuous monitoring and management of food security, provision and facilitation of extension services in the county and promotion of modern methods of crop farming and livestock production.

There will be focus on proper management and conservation of natural resources base, enhancement of land adjudication process and preparation of land use plans. Projects that aim at protection of water catchments, disaster management and early warning systems will also be supported.

7.1.3 Role of Stakeholders

The importance of the sector has attracted many stakeholders. Some of the stakeholders and their roles are detailed below:-

Stakeholder	Roles
Red Cross Society of Kenya	Co-ordinate relief food distribution and provision of inputs.
World Food Programme	Relief food supply and monitoring
Catholic Diocese of Garissa	Support agricultural, food distribution, water and sanitation programmes;
Tana River Peace Reconciliation and Development	Re-stocking of livestock
Agriculture Sector Development Support Programme	Support to beef, fish and mango value chain development
Kenya Livestock Marketing Council	Support marketing of livestock in the county.
Kenya Agricultural Productivity Programme	Capacity building of livestock and agricultural farmers
Constituency Development Fund Committee	Funding construction of agricultural and livestock infrastructure

Stakeholder	Roles
Department of Co-operatives	Capacity building on setting up co-operative societies
Agricultural Development Corporation	Livestock take off activities
Departments of Water and Irrigation	Provision of water infrastructure for irrigation and livestock
Departments of Agriculture, Fisheries and Livestock	Provision of technical/ extension services and funding
Department of Lands and Settlement	Land adjudication, surveying and physical planning
Coast Development Authority	Fund agricultural and livestock projects
Department of Survey and Physical Planning	Planning and surveying of land.
Horticulture Crops Development Authority	Capacity building and assisting farmers access markets for horticultural products.
Community representatives	Manage the infrastructure and assist in mobilization of farmers to carry out agricultural activities.
Financial Institutions	Provide credit facilities to farmers, livestock keepers and to other traders
Kenya Wildlife Services	Conservation of wildlife and mitigation against Human-Wildlife menace
Kenya Forest Services	Co-ordinate conservation of the forest resources

7.1.4 Projects and Programmes Priorities

New Projects/Programs: Agriculture

Table : New Projects/Programs: Agriculture

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Construct Community Grain Storage Facility	Galole (HOLA)	High	To improve bulk grain handling capacity and market access for farmers while reducing post-harvest grain losses from 40% to 10% by June 2018	1 grain storage facility with a capacity of storing 10,000 bags constructed by June 2018	Carrying out an Environmental Impact Assessment(EIA), Retendering, Community mobilization, Community training, Construction of storage facility

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Establish a Mango and Fruit processing Factory/plant	Galole (Boji)	High	To add value of mangoes to fetch better prices thus increasing farm income levels June 2014	To establish 1 factory industry by June 2014.	Carrying out an Environmental Impact Assessment(EIA), Feasibility study/Reconnaissance study Acquire land appropriately, Construction of a factory.
Dissemination of Effective Agricultural Extension , Information and support Services	All wards	High	To improve on food security, enhance farm incomes, promote market accessibility & linkages by reaching 62,500 farmers	1,863 PWDs, 18,633 out of school youth, 17,282 school youth and 24,844 women reached through trainings demonstrations, publicity barazas, farm visits, farmers field days June by 2018.	Training courses(residential and non-residential); Demonstrations Monitoring and Evaluations Farm visits; Farmers Field days ; Public Barazas; Shows &Trade fairs; Farmers Tours, 4-k Clubs and Young Farmers Clubs. Publish brochures /leaflets
Establish produce collection centres for marketing agricultural produce.	1 per Location (45 locations)	High	To improve on market accessibility and linkages while reducing post-harvest crop losses from 80% to 40% by June 2018	45 collection centres established by June 2018; Post harvest crop losses reduced from 80% to 40% by June 2018	Carrying out an Environmental Impact Assessment(EIA), Community mobilization; Training community on the Collective Marketing Concept; Resources Mobilization; Construction of the Collection Centres; Commissioning the Collection centres.
Strengthening the capacity on Farm Agricultural Mechanization Services (AMS) through Tractor accessibility & affordable services.	Garsen (AMS)	High	To promote affordable agricultural land mechanization and efficiency in farm operations by June 2018	20 tractors plus accessories for primary land preparation to serve farmers in all the County wards procured by June 2018 ; Affordable services rendered to farmers by June 2018	Market research on tractor specifications; Tendering procedures; Procurement of the tractors;

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Restructuring of the planning and monitoring unit	Bura and Hola Irrigation Schemes	High	To streamline planning and monitoring of schemes operations to be all-stakeholders inclusive by 2018	Existing planning and monitoring restructured by June 2018	Sensitization and awareness to relevant stakeholders; Identification and invitation of relevant stakeholders Holding meetings and forums Election and formation of new Planning and Monitoring Unit; Operationalization of the new Planning and Monitoring Unit.
Water Harvesting for horticultural crop production	Laga Buna: Saka , Bangale & Hamares in Madogo and Bangale; Hirimani and Tula lagas: Hamares, Tula and Bangal in Bura; Laga Galole: (Waldena, Daba, Wayu Duka,Wayu Boru,Koticha, Gururi & Kalkacha in Galole) Laga Kokane:	High	To introduce crop farming activities and open new arable areas in the hinterland/ pastoral areas by constructing medium sized water pans by June 2018	6 medium to large sized water pans constructed in the entire County by June 2018, 10,000 community members trained on new farming technologies by June 2018.	Call for proposals; Proposals vetting by Sector Technical Stakeholders committee; Tendering; Site identification; Community mobilization; Survey and design works; Environmental Impact Assessment; Civil works and Excavation; Monitoring and Evaluations; Demonstration farm preparation; Training of Community; Commissioning of the water pans
Crop Pests and Diseases Control and Management	All the 15 wards	High	To timely control all the crops related notifiable pests and diseases outbreaks by cultural, physical and chemical measures possible annually by June 2018	14,975 farm families reached by June 2018	Carry out environmental screening, Monitoring and surveillance; Procurement of the pesticides; Distribution of pesticides and application when need arises.
Provision of assorted Strategic Relief seeds for Disaster Risk Reduction.	All the 15 wards	High	To improve on the current 30% to 70% food security and nutrition through timely procurement and distribution	5,000 vulnerable House holds reached by June 2018	Identification and recruitment of beneficiaries; Seasonal Food security Assessment; Procurement of the relief seeds; Distribution of the

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
			of assorted planting materials seasonally from the current 50% to 80% of the vulnerable farmers in the County		relief seeds; Training the farmers on agronomic and Integrated Pest Management;
Provision of assorted Drought tolerant seeds to famers.	All the 15 wards	High	To improve on food security and incomes through timely procurement and distribution of assorted drought tolerant seeds/ planting materials seasonally from the current 50% to 80% of the vulnerable farmers in the County	10,000 acres put under drought tolerant crops by June 2018	Identification, review and recruitment of beneficiaries; Seasonal Food security Assessment; Procurement of assorted drought tolerant seeds; Distribution of the seeds/planting material; Training farmers on agronomic, commercial village model and Integrated Pest Management;
Provision of subsidized Fertilizers for Crop Production to farmers in the County.	All the 15 wards	High	To improve on food security through timely procurement and distribution of subsidized fertilizers seasonally from the current 10% to 40 % of all farmers in the County by June 2018	5,000 farmers reached by June 2018	Sensitization and farmers mobilization; Application by the interested farmers; Recruitment of farmers: Vetting of the recruited farmers; Facilitating farmers accessibility to the subsidized fertilizers;
Establish Agricultural Training Centre (ATC)	Galole Sub-County (Hola)	Medium	To serve over 62,110 farmers , stakeholders and transfer knowledge & technology through demonstrations and training environment in the entire county by June 2018	1 Agricultural Training Centre established by June 2018	Carrying out an Environmental Impact Assessment(EIA), Community mobilization and sensitization; Acquisition of the required land appropriately; Tendering procedures; Construction of the required infrastructure; Recruitment of instructors and management; Commissioning of the ATC.
Establish Maize Production &	Galole Sub-county (Hola)	Medium	To improve on food security	1 maize miller	Carrying out an Environmental Impact

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Value addition Processing plant			and employment creation from the current 30% to 70% by June 2018	established by June 2018	Assessment(EIA), Community mobilization; Site identification; Land acquisition legally; Tendering procedures Construction of the maize milling plant;
Registration of farmers and farm families	All the 15 wards	High	To register and take inventories of all the existing farmers in the County by June 2018	31,055 farm families registered by June 2018	Sensitization and mobilization of the farmers; Consultancy services; Training of Enumerators, Farmers and farms census/survey Compilation and analysis of the data Data inventories.
Promotion of 4-K and Young farmers Clubs (Youth in agriculture)	All the 15wards.	High	To introduce youth into agriculture to improve on food security and impact agricultural knowledge to Young farmers and all 4-k Clubs in the County by June 2018	12 Young farmers Clubs and 140 4-K Clubs registered and trained by June 2018; 30 kitchen gardens initiated by June 2018.	Sensitization of the Clubs, Registration of interested applying Clubs, Support to the active Clubs Training and demonstrations of the active Clubs,
Njaa Marufuku Kenya (NMK)	All the 15wards	High	To provide start-up capital and capacity build to famer groups in all the 3 Sub-Counties.	75 groups reached through grants by June 2018	Groups applications; Vetting of project proposals by Sector coordinating unit; Disbursement of funds, Implementation of the funded proposals, Monitoring and Evaluations
Strengthen Credit service provision & accessibility to famers in the Major Irrigation schemes	Bura and Hola Irrigation Schemes	High	To strengthen and empower the existing farmers Revolving Fund Kit by directly topping up money to by the County Government to make the revolving fund sustainable by 2015.	2 Revolving funds kits facilitated and strengthened by June 2015	Mobilize the Beneficiary farmers, Training the management committees on leadership & financial management, County Govt top-up funds/Grant

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Fabrication of Grains storage Metal Silos.	Kilelengwani Shaurimoyo Ozi	High	To reduce post-harvest grain losses and store grains to sell when prices are favourable by June 2018.	30 metal silos of 10 bags (90kg) capacity fabricated by June 2018	Registration of the needy Collective Marketing Groups, Training the beneficiary groups, Fabrication of the Metal silos
Improve on the Office Working Environment for the staff at wards.	10 wards	High	To improve on the existing office working conditions for technical staff at wards for effective dissemination of extension and market information in all the wards by June 2018	15 new and modern offices constructed by June 2018	Identify and priotize the most needy wards; Acquire land appropriately; Tendering; Construction of office blocks

New Projects/Programmes: Livestock

Table : New Projects/Programmes: Livestock

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Abattoir construction	Garsen	High	To construct one abattoir by 2014	One abattoir constructd by 2014	Carrying out an Environmental Impact Assessment(EIA), Abattoir construction Establishment of three bull camps
Meat processing plant	Hola	High	To construct one meat processing plant by 2014	One meat processing plant constructed by June 2014	Carrying out an Environmental Impact Assessment(EIA), Construction of meat processing plant
Hides, Skins & Bones Factory	All Wards	Low	To increase the number of good quality hides and skins through construct of one factory by 2014	One factory constructed by June 2014	Carrying out an Environmental Impact Assessment(EIA), Construction of hides and skins factory
Promotion of livestock sales	All Wards	Low	To increase incomes of pastoralists through achievement of livestock sale level of 250,000 per annum; To increase County revenue base; Establish off-take fund of Sh. 50 million per year.	100,000 cattle, 100,000 goats and 50,000 sheep by June 2018.	Carrying out an Environmental Impact Assessment(EIA), Conducting market surveys Rehabilitation of livestock markets. Enhanced marketing Follow-up trainings of livestock associations Pasture/ranches improvement; Construction of weigh bridges for auction

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
					yards Construction of three (3) auction yards
Livestock Production Extension Services	All 15 wards	High	To improve efficiency and effectiveness in extension services delivery to farmers and pastoralists in the county	15 pastoral field schools established by June 2018; 9 technical officers employed by June 2018; 12800 livestock farmers/pastoralists trained per year; 180 farmers trainings conducted per year; 90 farmers field days conducted per year; quarterly professional meetings conducted; 144 Public Barazas attended; 1440 farm visits per year conducted; 24 field demonstrations conducted per year; 2 agricultural shows attended per year; 1 office block for county headquarters constructed; 3 new vehicles and 15 motorcycles purchased by June 2018.	Identify suitable sites for field schools; Organise and conduct farmers field days; Conduct farm demonstrations; Conduct farm visits; Conduct farmers trainings; Procure materials to aid extension services; Conduct professional and management meetings; Conduct monitoring/backstopping visits; Attend public barazas; Attend agricultural and trade shows; Develop relevant training materials (brochures/handout).
Livestock Improvement	All wards	High	To improve productivity of livestock and livestock produce; Increase the productivity of the indigenous beef cattle, goats and poultry; To	15 Bull camps established by June 2018; 2 goat multiplication centres established by June 2018; 500 dairy	Site Identification for bull camps, goat multiplication centres and cockerel exchange rearing units; Identify beneficiaries; Commence construction works; Establish bulls, goats and poultry

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
			improve access to milk to poor households; To improve incomes through increased eggs and meat production per household	goats bred and distributed to farmers by June 2018; 3 Cockerel exchange units established; 5000 cockerels produced and distributed through exchange programme by June 2018	management Committees; Provide Support in sourcing for suitable breeds; Purchase bulls, goats and cockerels; Trainings for the beneficiaries; Supervision/backstopping.
Establish a bee keeping equipment workshop	Galole	High	To enable beekeepers acquire hives and other gears locally and at an affordable cost.	1 workshop constructed and equipped at Galole by June 2018; 75 artisans trained on making hives and other hive handling accessories by June 2018.	Carrying out an Environmental Impact Assessment(EIA), Identify suitable site with the community; Initiate the tendering process; Construct the workshop.
Establish community managed demonstration Apiaries	All 15 wards	High	To promote production of high quality honey	15Demonstrati on apiaries established by 2017; 300 Lang troth hives purchased and distributed by 2015	Procure machines/equipments for the workshop and apiaries; Training on maintenance, apiary management and modern beekeeping
Develop Livestock Markets	Garsen, Bangale, Bura, Mandingo, Waldena, Titila, Charidende, Boka, Zubaki, Kipini, Wenje, Nanighi	High	To improve accessibility to livestock markets and market information for increased incomes to livestock farmers and pastoralists	3 key livestock markets improved to fully operational as auction markets by 2015; 2 markets(Mandingo and Waldena) operationalized by 2015; 7 new livestock sale yards established by June 2018; Mandingo and Waldena market to be operational by	Site identification; Carrying out an Environmental Impact Assessment(EIA), Community mobilization; Land acquisition; Tendering Process; Construction and supervision; Awareness creation; Identify suitable sites for the proposed new markets.

Project/Program Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
				2015.	
Develop Livestock Marketing (LMD) holding grounds	Kurawa, Wenje, Chifiri (New)	High	To improve the handling capacity of the holding grounds for ensuring high quality quarantine and disease control services that includes dipping, watering grazing and screening.	2 Holding grounds rehabilitated and fully operationalised by June 2018; 3 Tractors purchased by June 2018; 2 Hay cutters purchased by June 2018; 3 Motorized hay balers purchased by June 2018; 2 cattle dips repaired by June 2018; 1 cattle dips constructed at Chifiri by June 2018; All water reticulation systems renovated by June 2018.	Carrying out an Environmental Impact Assessment(EIA), Squatters relocation; Rehabilitation of boreholes & water pans; Take inventory of Existing assets; Repairs and replacement of equipment and machines and infrastructure.
Establish Milk processing plants	Garsen	High	Increase incomes of pastoralists by improving value of products.	1 milk processing plant established at Garsen by 2015	Community mobilization; Identify suitable sites; Carrying out an Environmental Impact Assessment(EIA), Acquisition of proposed land; Tendering Process; Construction of plants; Acquisition of equipment; Conduct trainings; Follow-up
Establish Milk collection/cooling plants	Bangale, Madogo, Bura, Charidende, Galole, Wenje, Kipini, Tarasaa	High	Increase incomes of pastoralists by improving value of products.	8 cooling centres established and fully equipped by June 2018	Community mobilization; Identify suitable sites; Carrying out an Environmental Impact Assessment(EIA), Acquisition of proposed land; Tendering Process; Construction of plants; Acquisition of equipment; Conduct trainings; Follow-up
Strategic feeds reserves (Construction of	County wide	High	To improve land carrying capacities of the	15 blocks identified, demarcated	Site identification; Community mobilization and

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
hay bans, Grazing reserves blocks/Corridors, Establish fodder farms, Rehabilitation of rangelands watering points for livestock, Rehabilitation of existing Water pans, Construction of new water pans)			grazing blocks from 10 aces/ LSU to 6acres/LSU by June 2018	and developed to accommodate 50,000 large stock (cattle and camels) plus 75,000 sheep/Goats by June 2018	awareness; Identify user committees; Land acquisition; Carrying out an Environmental Impact Assessment(EIA), ; Draw grazing plans; Commence infrastructure development; Follow-up and monitoring; Trainings on range resource management
Rehabilitation of Ranches	Bura, Galole, Garsen	High	To revitalise the ranching enterprise as a business to generate incomes to improve incomes and revenues to the county government.	Revive 3 community ranches by June 2018; Increase revenue from 3% to 10% by June 2018; Increase access to grazing from 60% to 80% by June 2018	Preparation of ground status report to establish ownership and lease agreements; Identify and prioritize 3 ranches to be revived and allocated to communities; Conduct assessment of existing infrastructure; Sensitize the communities on government intentions; Prepare plan of action; Conduct impact assessment; Commence tendering process; Commence rehabilitation work; Supervisions; Purchase of steers and equipments; Purchase of equipment
Mainstreaming Disaster Risk Reduction	County wide	High	To improve community preparedness and resilience to disasters	100 households per ward restocked with 20 sheep and goats by June 2016; A disaster risk reduction contingency plan prepared by 2015; Communities in all 15 wards trained by 2015; 15 DRR committees formed by 2015	Identify beneficiaries; Sourcing for suitable drought tolerant breeds of Cattle, Goats and camels; Train the beneficiaries on climate change adaptation and risk reduction; Formation of community managed disaster risk reduction.

New projects/programmes: Veterinary

Table : News Projects/Programmes: Veterinary

Project/Programme Name	Location		Objectives	Targets	Description of Activities
County central veterinary drug store at subsidized prices	Hola	High	To provide farmers with necessary and affordable drugs	1 drugs store established in Hola by June 2016.	Purchase of drugs in bulk and setting prices.
Re-introduce veterinary clinic	Hola, Bura, Garsen, Wenje, Madogo and Bangale	High	To Make clinical services readily available	6 veterinary clinics established by June 2016.	Provide Office space, and essential drugs and personnel
Cattle crushes to facilitate spraying and treatment	All Wards	High	To Provide farmers with facilities for spraying animals and vaccination	28 crushes established by June 2018.	Tendering for the construction of the crushes
Upgrading of indigeneous cattle through introduction of bull camps and artificial insemination	Hola and Wenje	High	Provision of upgraded animals to farmers through artificial Insemination	One centre with offices and livestock structures established by December June 2018.	Carrying out an Environmental Impact Assessment(EIA), Building of offices and livestock structure
Farmers/pastoral training center	Haroresa - Boji junction	High	Provide a modern training for farmers in the county	1 training centre/station established at Haroresa by June 2015.	Carrying out an Environmental Impact Assessment(EIA), Planning, tendering and building of the station
Build, expand, renovate new and existing slaughter house.	Bura, Hola, Garsen, Kipini, Bangale, Madogo, Wenje	High	Provide standard and modern slaughter house; Provide standard and modern slaughter house for export to other counties; Provide hygienic slaughter premises	3 slaughter houses built at Bura and Hola, The Garsen slaughter house completed by June 2014, Kipini and Bangale slaughter houses renovated by June 2014.	Carrying out an Environmental Impact Assessment(EIA), Identifying the sites and tendering, Completion of the one under construction, Tendering Renovation of slaughter house
Construction of tannery.	Garsen and Bangale	High	Provision of jobs for the youth	2 tanneries constructed by June 2016; 5,000 youth employed directly or indirectly by June 2018.	Getting plans and tendering, Carrying out an Environmental Impact Assessment(EIA)
Construction of factories for Horn/bones house	Garsen and Bangale	High	Provision of jobs for the youth	1 factory established	Getting plans and tendering

Project/Programme Name	Location		Objectives	Targets	Description of Activities
Construction of cattle dips	All Wards	High	To Provide facilities for tick and tsetse fly control	30 dips constructed by June 2018.	Tendering; Getting plans and tendering; Connect cattle dips with water source (bore holes)
Tsetse fly traps	Kipini – 40 Kilelengwani-40 Ozi – 20 Tarasaa-100	High	Reduce tsetse population	200 traps bought by December 2014.	Buying of traps and chemicals Laying of traps
Clear demarcation of grazing and farming areas	Kilelengwani and Kipini	High	Reduce conflicts between crop and livestock farmers	2 areas demarcated by June 2015.	Consult area resident, plan and survey
Mapping of grazing and farming areas	All Wards	High	Reduce conflicts between crop and livestock farmers	2 areas demarcated	Consult area resident, plan and survey
Establish disease control committees	All the wards	High	Participation of community in controlling livestock movement and early detection of diseases	15 committees Constituted by June 2018	Sensitization and recruitment of members
Disease surveillance and patrol programme	All wards	High	Early detection of diseases	1 surveillance per month	Formation of surveillance teams; Provision of funds for surveillance
Vaccination programme	All wards	High	To control disease outbreaks	Quarterly vaccinations done	Purchase of vaccines; Sensitization and mobilization campaign; Conduct vaccination
Enforce livestock movement regulations	All wards	High	To control spread of diseases within and from other counties	15 routes visited once a month in whole county; Illegal movements of livestock fined and or prosecuted.	Surveillance of livestock movement routes
Livestock corridors	All sub-counties	High	Make it easy to detect and monitor livestock movement	3 corridors established by June 2018	Bush clearing along the cutline; Clear cutlines used by livestock moving across the county
Meat inspection	Hola, Bura, Bangale, Madogo, Wenje, Garsen, Tarasaa, Kipini,	High	Ensure meat for human consumption is available	Inspection done in 8 slaughter premises	Meat inspection
Baiting of stray dogs	Hola, Bura, Bangale, Madogo, Wenje, Garsen, Tarasaa, Kipini,	High	Control rabies	16 dog baiting campaign done by June 2018.	Baiting of stray dogs
Hides and Skins	All Wards	High	Improve quality	200 butchers	Training of butchers

Project/Programme Name	Location		Objectives	Targets	Description of Activities
improvement			of hides and skins for local and export market	and flayers trained; Conduct 10 field days and 30 demonstrations; 16 centres inspected per year.	and Flayers; Inspection of hides and skins
Training of livestock farmers	All wards	High	Increase awareness on animal husbandry	10 field days and 30 demonstrations done; 5,000 livestock farmers trained by June 2018.	Demonstrate various techniques in animal husbandry
Construct Veterinary Laboratory	Hola	High	Quick diagnosis of diseases	1 laboratory established by June 2016	Construct veterinary lab in Hola, Carrying out an Environmental Impact Assessment(EIA)
Construction of office blocks	Hola Garsen Bura Wenje	High	Provide working space for staff	4 extra rooms built and clinic block renovated by June 2014; 2 complete subcounty offices built at Bura and Garsen; 12 ward offices built by June 2018.	Obtaining BQs, Carrying out an Environmental Impact Assessment(EIA), Tendering
Livestock census	Whole county	High	Determine actual livestock census	Number of Cattle, Sheep, goats, Camels, donkeys and poultry established by June 2016.	Sensitisation and mobilization Developing modalities and tools Interviewing farmers

Ongoing Projects/Programmes: Veterinary Services

Flagship Projects

Table : Ongoing Projects/Programmes: Veterinary Services

Project/Programme Name	Objectives	Targets	Description of Activities
Disease Free Zone	To facilitate achievement of a disease free zone	Revival of 2 Holding grounds	Carrying out an Environmental Impact Assessment(EIA), Bush clearing, Peripheral Fencing, Rehabilitation of vital infrastructure e.g. Dips, Crushes, offices, water reticulation systems.

On-going Projects/Programmes: Fisheries Development

Project/Programme Name & location	Objectives	Targets	Description of Activities
Aquaculture Development Garsen	To increase the amount of fish catch, construct fish ponds; construct smoking kilns to improve on preservation and fresh catch preservation by 2015.	7 ponds and 7 smoking kilns constructed in Kipini and Garsen and re-stocking of 8 lakes by June 2015.	Training and capacity building; Construction of a demonstration pond for training; ponds Stocking of fish.
Renovation of divisional offices Tarasaa, Kipini	To enhance administration and management of fisheries resource by rehabilitating 4 rooms of the office block, 1 workshop and fencing by 2015.	Office block of 4 rooms, one workshop and fencing rehabilitated by 2015.	Repair of office roof; Fencing of compound; Floor repair and repainting and Erection of signboards Complete
Surveillance and patrols County wide	To improve on surveillance and patrols on the fishing activities by 2015.	24-hour surveillance and patrols carried per year.	Carry out Surveillance; Patrols.

New Projects/Programmes: Fisheries

Table : New Projects/Programmes: Fisheries

Project/Programme Name	Location	Ranking	Objective	Targets	Description of activities
Establish a fish hatchery	Galole Bura Garsen	High	To supply quality fingerlings To ensure reliable source of fingerlings Carry out research on local species viability in fish farming	Have 3 hatcheries to supplement the private one by 2015.	Acquisition of land, Feasibility study, Carrying out an Environmental Impact Assessment(EIA), Tendering, Construction of fish hatchery, Acquisition of inputs for the hatchery.
Installation of fish pelleting machine	Idsowe	High	To ensure reliable supply of fish feeds fish farmers by	Have 1 fish pelleting factory by 2015	Feasibility study/reconnaissance study Acquire land appropriately Construction of a factory.
Purchasing of modern fishing gears	Kipini ozi chara	High	To provide artisanal fishermen with modern fishing gears like: modern boats, coolers, fishing nets, trawler and ice making	Fishermen in three BMUs provided with the modern fishing gears by 2015	Floating of tenders of gears to be purchased Sensitization of fishermen on use of gears and ownership.

Project/Programme Name	Location	Ranking	Objective	Targets	Description of activities
			machine		
Construction of cold storage room	Kipini	Medium	To avoid post harvest losses To ensure surplus fish is stored and food security to fishers	Have 1 fish cold storage room by 2018	Feasibility study/reconnaissance study Acquire land with vital documents, Carrying out an Environmental Impact Assessment(EIA), Construction of a cold storage. Progress reports Routine maintenance and repairs
Construction of a fish processing factory	Kipini	Medium	To do value addition of fish and fish products to maximize on returns	1 fish processing factory by 2018	Feasibility study/reconnaissance study Acquire land appropriately, Carrying out an Environmental Impact Assessment(EIA), Construction of a fish processing factory Routine maintenance and repairs
Construction of modern fish market, fish bandas at landing beaches and other subsidiary markets	Kipini, Garsen, Tarasaa	High	To ensure fish and fish products are landed in hygienic conditions; To ensure fish safety & quality	Have a working modern fish market (1) by 2015.	Feasibility study/reconnaissance study Acquire land appropriately, Carrying out an Environmental Impact Assessment(EIA), Construction of a modern fish market.
Fencing of fish ponds	All villages having fish ponds	High	To ensure fish pond are secured by 2018	Have all cluster ponds(182) and others fenced by June 2018	Farmers sensitization Purchasing of fencing materials Fencing of cluster ponds and other ponds
Rehabilitation of fish ponds	Galole, Garsen, Bura a sub -counties	High	To de-silt fish ponds and construct dykes destroyed during floods	400 fish ponds in the sub-counties rehabilitated and functioning by June 2016	Farmers sensitization Rehabilitation of fish ponds Filling with water Restocking fish ponds
Purchasing of water pumps and reticulation system	Bura Galole Garsen	High	To ensure farmers have a reliable means of water into	60 Number of water pumps purchased	Community sensitization Procurement of water pumps with

Project/Programme Name	Location	Ranking	Objective	Targets	Description of activities
			fish ponds	with reticulating system by 2018	reticulating system Distribution to farmers clusters
Purchase of fish pond covering nets	All wards	High	To keep off fish predators by covering with nets	Purchase 400 covering nets by 2018	Community sensitization Procurement of fish pond covering nets
Construction of office at Hola county head quarters	Hola	High	The office should be completed	The office should be complete with furniture, electricity by 2015	BQs prepared, Carrying out an Environmental Impact Assessment(EIA), Tendering Construction of office Progress reports on status of construction Completion of works certified by public works completion certificate.
Gazettement of three(3) BMUs landing sites	Kipini Ozi Ziwayuu	High	To ensure 3 BMUs gazette	The 3 BMUs gazette by 2015	Community sensitization Feasibility studies/recoinnasance study Progress reports Issuance of ownership documents
Identification of coordinates for Kipini landing site	Kipini	Low	To ensure coordinates for Kipini site are identified	Coordinates of all landing sites are identified by June 2015	Progress reports Issuance of ownership documents Monitoring that there is no encroachment of landing sites
Supply and installation of fish pond liners	Entire county	Medium	To increase total area under Aquaculture To improve food security and increased incomes.	To be purchased gradually by June 2018	Tendering Purchasing of pond liners Distribution of pond liners to farmers
Rehabilitation of Kipini residential houses	Kipini	High	To ensure the houses are inhabitable	To rehabilitated by June 2018	Carrying out costing of rehabilitation by public works, Carrying out an Environmental Impact Assessment(EIA), Tender awarding Progress reports and monitoring of rehabilitation

Project/Programme Name	Location	Ranking	Objective	Targets	Description of activities
					Completion certificate Payment to contractor Handing over of the residential houses to the dept
Purchase of office computers, printers	Hola Bura Garsen Kipini	High	To improve service delivery to staff in report writing	Purchased by June 2015	Procurement of computers Received in stores and installing them. Routine maintenance and repairs
Purchase of office furniture for county office & sub counties	Hola Galole Bura Garsen	High	To improve staff working conditions for effective service delivery	Office furniture purchased by June 2015	Tender awarding Delivery of equipment Payment of contractors Routine repairs and maintenance
Fisheries extension services	All wards	High	To improve capacity of farmers and implementation of modern technologies	6 extension staff recruited by June 2016	Recruitment of extension staff Training of farmers
Monitoring, control and surveillance	Kipini territorial waters	High	To avoid destruction of habitat, breeding grounds ,illegal gears and encroachment by distant vessels to territorial waters	To be continuous	Number of patrols conducted Use of standard legal gears in fishing Protection of habitat, breeding grounds No illegal fishing by unlicensed fishermen
Construction of smoking kilns in ox-bow lakes	Lango la Simba	Medium	To reduce post harvest losses on fish Improved food security	1 smoking kiln to be constructed by June 2018	Fishermen trainings on fish preservation, Carrying out an Environmental Impact Assessment(EIA), Award construction works Progress reports construction works Handing over of kiln to fishermen

On-Going Projects/Programmes: Cooperative Development

Table : Ongoing Projects/Programmes: Cooperative Development

Project/Programme Name & Location	Objectives	Targets	Description of Activities
Enforcement of cooperative	To enforce compliance	15 cooperative	Attending AGMs, presiding

legislation County wide	on cooperative legislation and other subsidiary laws	societies targeted by June 2018	over elections, consultancy services, amending bylaws,
Capacity building and value addition programme County wide	To improve capacity for sound service delivery	15 active societies capacity built by June 2018	promoting new societies, reviving dormant societies, conducting members education programmes, feasibility studies, study tours
Construction and rehabilitation of office block at Hola	Strengthening capacity for service delivery.	1 completed and rehabilitated office block by June 2018	Tendering, construction work, fencing.
Purchase of a 4WD vehicle for the county cooperative officer Hola	Strengthen capacity for service delivery.	1 vehicle purchased by June 2018	Tendering and Procuring
Promotion of cooperative movement	Strengthen capacity for service delivery	5 Celebrations done by June 2018	Conducting cooperative leaders meetings; organizing cooperative day; Participation in ASK shows
Purchase of furniture and office equipment for the county cooperative office – Hola	Strengthen capacity for service delivery	Office furniture and equipment purchased by June 2018	Tendering and Procuring

On-going Projects/Programmes- Forestry and Wildlife

Table : Ongoing Projects/Programme- Forestry and Wildlife

Project/Programme Name & location	Objectives	Targets	Description of Activities
Gazettement of County Forests	To conserve, and protect sustainable utilization of forest goods & services	10,000Ha of forest gazetted by June 2018	Awareness creation thro' workshops and seminars Survey and mapping Gazettement processes
Rehabilitation of degraded areas & mangrove	To restore 450ha of degraded by June 2018	450Ha of degraded mangrove rehabilitated by June 2018	Site preparation Planting Maintenance of the planted areas
Enforcement & surveillance	To deter acts of forest destruction	45,000 M/d surveilled by June 2018	Patrols & policing Prosecution of forest offenders
Woodlot & shelter belt establishment All wards	To establish 50 woodlot and shelter belts models by June 2018	50 woodlot and shelter belt established by June 2018	Seedlings production Capacity building Site preparation Tree planting and maintenance
Promotion of SMEs All wards	To promote 50 SMEs in order to enhance their livelihood & subsistence by June 2018	50 SMEs promoted by June 2018	Capacity building Promotion of market chains & networks
Greening of schools and public institutions All wards	To conduct tree planting in 50 school for climate amelioration by June 2018	Plant 1000 trees in 50 public institutions by June 2018	Capacity building Promote planting
Establishment of Parks and arboreta Hola, Garsen & Bura urban centres	To establish 3 urban greening & recreational & aesthetic value by June 2018	3 parks and arboreta established by June 2018	Site preparation Tree planting
Agroforestry establishment	To establish agroforestry in 45	45 agroforestry established by June 2018	Seedling production Site preparation

Project/Programme Name & location	Objectives	Targets	Description of Activities
All wards	farm lands for climate amelioration & livelihood by June 2018		Capacity building Promote tree planting
Establishment of private forests All wards	To establish 45 private forests by June 2018	45 private forests established by June 2018	Capacity building Promotion of tree planting
Establishment of carbon market & networks All wards	To establish 15 carbon networks by June 2018	15 carbon market and networks established by June 2018	Capacity building Promote tree planting
Promotion of forestry value chain & platforms All sub-counties	To promote 3 No forestry value chain platforms by June 2018	3 forestry value chain and platforms promoted by June 2018	Capacity building Promote tree growing
Forest Extension Services County Wide	To improve on the forestry extension services through 120 extension visits by 2015.	Frequency of forest extension visits expanded to 24 per year.	Expansion of forestry extension services; Increased extension visits, Establishment of small nurseries; demonstration plots; training on forest conservation
Afforestation County Wide	To improve forest cover from 2.9% to 5% by 2017.	Two degraded areas in each division are afforested by June 2017; At least two groups trained in each division on tree nursery management by June 2017; 10 individuals to establish nurseries in each division annually; 15,000 seedlings planted per year by June 2017.	Identifying areas that have been degraded; Design the afforestation method and the right species; plant trees; supervision; Train farmers and nursery establishment and management; Impart skills on seeds extraction processing and storage.
Protection of Mangrove Kipini Location Garsen Constituency	To increase acreage of protected mangrove from 2,665Ha to 3,000Ha by June 2015.	Sustainable use of the Mangrove ensured by June 2015.	Patrols; Enrich planting; Protection licensing; Controlled utilization of mangrove.
Indigenous Forest Management and Conservation County Wide	To create a conservancy to ensure forest biodiversity for both flora and fauna is conserved by June 2018.	500 people trained countywide on conserving indigenous forest by June 2018.	Inventory of existing stock ethno-botanical; Training on various conservation and management techniques.
Conservation of Bio-Diversity of the Tana Primate National Game Reserve	To conserve and protect the bio-diversity of the county; To conserve the endangered species of equatorial forests crested migratory bird, Red Colobus monkey and Tana Crested Mangabeye monkeys.	Poaching of endangered species of animals and plants reduced by 60% by June 2018.	Promote community partnership in management of reserve.
Promotion of gums and resins County Wide	Improve income levels through agro forestry.	500 farmers trained on production, harvesting, processing and marketing of gums and resins by June 2018.	Training; agro forestry trees planted on farms.

New Projects/Programmes: Lands Administration, Survey and Human Settlement

Table : New Projects/Programmes: Lands Administration, Survey and Human Settlement

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Wema Settlement Scheme	Garsen	High	To Settle Poor Landless Kenyans	500 households Settled by June 2015	Scheme Planning Perimeter Survey Survey And Demarcation Of Plots Strategic environmental assessment
Galili Settlement Scheme	Garsen	High	To Settle Poor Landless Kenyans	1000 households Settled by June 2015	Scheme Planning Perimeter Survey Survey And Demarcation Of Plots Strategic environmental assessment
Bangale Settlement Scheme	Bangale	High	To Settle Poor Landless Kenyans	2000 households Settled by June 2015	Scheme Planning Perimeter Survey Survey And Demarcation Of Plots Strategic environmental assessment
Wenje Settlement Scheme	Wenje	High	To Settle Poor Landless Kenyans	1000 households Settled by June 2015	Scheme Planning Perimeter Survey Survey And Demarcation Of Plots Strategic environmental assessment
Land Adjudication	Chunoni, Kulesa, Mwina, Benderani, Masabubu, Makere, Milalulu, Chewani, Zubaki, Mikinduni, Ndura, Mazuni, Kinakomba, Jamhuri, Gwano,	High	To produce at least 15 service centre plans and improve land tenure systems by June 2018.	Land adjudication undertaken in all wards by June 2018	Preparation of base maps; Data collection (Primary and Secondary); Stakeholders meeting; Plan preparation publication and approval.
Public sensitization and awareness campaign	Entire County	High	Sensitize On New Land Acts And Institutions	Entire population of the County by June 2018	-Workshops , Seminars And Public Barazas
County Spatial Development Framework	Entire County	High	To Map The Priority Project Areas In The Cidp	Entire County In 2 Weeks by December 2014	Data Acquisition Data Capture Design

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
County Spatial Development Plan	Entire County	High	To Allocate Landuses Throughout The County; To Show Specific Program And Project Sites; To Give A Framework For Other County Sectoral Plans	Entire County In 12 Months by June 2015	Reconnaissance Data Collection Base Map Preparation Stakeholder Forum Analysis Design Final Stakeholder Forum Strategic environmental assessment
Replanning of 13 Urban Centres	Hola Bura Garsen Madogo Bangale Wenje, Chardende, Kalkacha, Hara, Waldena, Kipini, Minjila, Tarasaa, Waldena.	Medium	To Have Well Planned Urban Centres For Good Quality Of Life	13 Urban Centres Replanned by June 2018.	Reconnaissance Data Collection Base Map Preparation Stakeholder Forum Analysis Design Final Stakeholder Forum Strategic environmental assessment
Part Development Plans For All County Public Facilities	Entire County	High	Security Of Tenure	Entire County by June 2018	Reconnaissance Data Collection Design Publication
GIS database/ County Land Information System	Hola	High	To Have A Digitised Database	County Sectors by June 2015	Strategic environmental assessment Construction Of The Station Equipping The Station Collection And Digitization Of Data
Establishment of County Boundary	Entire County Perimeter	High	To Create Harmony For Development	Entire County adjudication by June 2015	Building Of Monuments, Survey Observation, Fixing Of Boundary
Survey/Demarcation County Public Facilities/Schools	Entire County	Medium	To Secure Land Tenure	All public facilities In the County by June 2015	Identification Of Bound. Compilation Drawing Of Survey Plans
Cadastral surveys	Entire county	High	To secure land tenure in five years	Private properties by June 2018	Identification of bound; Compilation Drawing Of Survey Plans
Ensure fencing and development of properties	Entire county	High	To secure land tenure	Private properties by June 2018	Identification of boundaries.
Densification of controls	Entire county	High	To ease mapping in	Entire county	Data collection; Surveying; Drawing of survey plan

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
			county	in twelve months by June 2015	
Determination of property boundary disputes	Entire county	High	To solve all boundary disputes in registered areas	Any registered land within the county By June 2018	Data collection; Surveying; Drawing of survey plan
Map revision of Madogo town	Madogo	Low	To Facilitate Planning Of Urban Centres	Revised map of Madogo in 3 months	Data capture; Acquisition; Processing

7.1.5 Cross Sector Linkages

The Agricultural and Rural Development Sector plays a significant role to the county economy through revitalizing agriculture for food security; revitalizing cooperatives to mobilize domestic savings, revamping the livestock and fisheries sub-sector, sustainable development of forestry and mining, reforming land management systems, revitalizing Regional Development Authorities to create regional balance in development and protecting, conserving and sustainable management of wildlife and other natural resources.

Competitiveness of the agricultural sector, value of farm produce and livestock is significantly enhanced by good physical infrastructure that supports on-farm production, irrigation, energy, transportation, pre-harvest and post-harvest storage and ensures efficient marketing and trading. The Research, Innovation and Technology Sector provides an efficient marketing information system. Environment, Water and Sanitation sector provides water for domestic consumption, crop production and for livestock. Good soils, vegetative cover and waterways are essential for crop, livestock and fisheries production.

Human Development sector will continue to provide the skilled and healthy workforce while Tourism, Trade and Industry sector provides markets for agricultural produce as well as absorbs agro-based raw materials. Governance, Justice, Law and Order sector is important in provision of security, which is paramount to investment in the sector. Public Administration sector articulates development planning and policy guidelines necessary for accelerated growth. The Special programmes sector is important for facilitating response to natural disasters and calamities.

7.1.6 Mainstreaming Cross-cutting Issues

The Agriculture and Rural Development sector's main goal is to alleviate poverty through agricultural, livestock development and fisheries development as well as promotion of wildlife

and forestry. Through extension services by the livestock, agriculture, fisheries, co-operative, wildlife and forestry sub-sectors, efforts are made to mainstream the issues of gender, HIV/AIDS, youth issues in their various activities by involving the interest groups in development projects and programmes as well as promoting their participation in decision making.

7.1.7 Strategies to Mainstreaming Disaster Risk Reduction in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses such as: inactive DMCs, weak dissemination channels, poor implementation of food security policies, poor equipment of the security personnel, unclearly defined responsibilities and reporting, duplication of responsibilities, government bureaucracies in utilization of funds, among others are addressed in a timely manner. The strategies applied shall be in line with the five HFA priorities for action identified for 2013 to June 2018, The Agricultural and Rural Development sector must ensure that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and resilience at all levels. The sector must reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms. Finally, there is need to strengthen disaster preparedness for effective response at all levels through the various [disaster preparedness and sustainable recovery](#).

7.2 General Economic, Commercial and Labor Affairs Sector

This section discusses on the sector vision, mission, county response to the vision and mission. It also touches on the importance of the sector to the county and the sub-sector priorities, constraints and strategies. The sub-sectors include; trade, tourism, and labour.

7.2.1 Sector Vision and Mission

Vision: “A harmonious and globally competitive industrial and investment society that thrives as a destination of choice with citizens operating freely across borders.”

Mission: “To facilitate sustainable tourism, diversified trade and investment, vibrant industrial base, regional integration and preservation of national heritage and culture for sustainable development”.

7.2.2 County Response to Sector Vision and Mission

The county will ensure that small scale enterprises and medium size industries are growing so as to stimulate economic growth in the entire county as well as promotion of Tana River

County as a preferred tourist destination. Economic diversification, training and promotional activities, and the strengthening of rural savings and credit schemes will also be implemented. The county will also focus on conservation of the bio-diversity, construction of tourist infrastructure such as home stay sites and promotion of eco-tourism will be crucial in achieving the sector’s vision and mission as well as preservation of cultural identity and heritage through cultural resource centres as well as carrying out flagship cultural festivals and exhibitions. There will be emphasis on improving entrepreneurship and business management skills through trade courses. There will also be the expansion of the capital base of the traders in the county through provision of credit facilities to traders through the County Joint Loan Board Funding Scheme and Private Sector financial and Micro-Finance institutions.

7.2.3 Importance of the Sector to the County

The sector enhances the socio-economic development of the county by facilitating the creation of new employment opportunities through the development of small scale enterprises and mobilization of informal sector activities. The sector enhances employment opportunities by assisting enterprises to improve their management skills and efficiency through training and consultancy services. The sector is also crucial in creation of investment opportunities. This sector is also important in providing business finance through the County Joint Loans Board and other financial institutions, microfinance organizations and village banks. The sector is important in promoting Tana River County as a preferred tourist destination.

7.2.4 Role of stakeholders

Stakeholders	Role
Kenya Wildlife Services	Provide management of Tana River National Primate Reserve and conservation of the bio-diversity.
Kenya Tourist Board	Support marketing of the county tourist sites
Banks and other financial institutions	Provide credit facilities to farmers, livestock keepers and to other traders
Co-operative Societies	Mobilize funds for entrepreneurs and provision of credit
Private sector (Business community)	Establishing businesses and mobilizing funds
Department of Trade Development	Provide loans through the County Joint Loans Board, training of traders, provision of advisory services to traders.
Youth Enterprise Development Fund	Providing funds to youth for establishing businesses
Department of Gender and Social Development	Providing credit and grants to women for business establishment

Ministry of Industrialization	Support to the Jua Kali Sector
Finance Department	Provide enabling environment to conduct business as well as regulate trade in the county by issuing of licenses.
Department of Culture	Promotion of culture and heritage
CDF	Construction and renovation of youth polytechnics to provide vocational training.
Community	Formation of CBOs and Village banks

7.2.5 Projects and Programmes Priorities

On-going Projects/Programmes: Trade

Table : Ongoing Projects/Programmes- Trade

Project/Programme Name	Objectives	Targets	Description of Activities
Trade Courses County Wide	To improve the entrepreneurship skills of at least 3,750 local traders by June 2018.	To target at least 750 traders every year .	Training of small-scale entrepreneurs on basic management skills and offering consultancy services.
Facilitation of producer business group (PBG's)	To improve enhanced improved marketing by making use of economies of skills. To enhance bargaining power	30 PBG's linked to organised markets, Enhanced technology transfer.	Linking the producer groups to organised markets. Enhance technology transfer.
Loan recovery	To broaden and improve the scheme capital base	Kshs. 6,000,000 recovered every year from past loanees	Constant follow ups on loanees. Visiting the loanees and evaluating the impact of the loan money in their activities.
Automation of the loan scheme	Ensure accountability of the loan fund	Automated scheme by June 2017.	Purchase of IT equipment and software
Establish a county business solution center	To provide one stop shop for all business information to existing entrepreneurs and would be entrepreneurs inthe county	Enhanced E-commerce by June 2017	Building a CBSC and fully automating it.

New Projects/Programmes: Trade

Table : New Projects/Programmes- Trade

Project/Programme Name	Location/ward	Priority	Objectives	Targets	Description of Activities
Business Development Services	Kipini, Garsen, Wenje, Hola, Bura, Madogo ward	High	To improve the entrepreneurship skills of local traders	4900 local traders trained on basic management skills and consultancy services by June 2018	Training of small-scale entrepreneurs on basic management skills and offering consultancy services.

Project/Programme Name	Location/ward	Priority	Objectives	Targets	Description of Activities
Tana River Joint Loan Board/Funding Scheme (Credit facility)	Kipini, Garsen, Wenje, Hola, Bura, Madogo ward	High	To expand the loan portfolio for the local businesses to absorb more labour force and create wealth by June 2018.	3,750 businesses loaned by end of June 2018.	Identification of businesses, validation, issuance of loans
Construction and Rehabilitation of <i>Jua Kali</i> Sheds.	Garsen, Hola, Bura	High	To create employment and wealth	1 functional <i>jua kali</i> shed by June 2018.	Acquisition of land, Environmental Impact Assessment (EIA) and construction of the <i>Jua kali</i> shed.
Form and Strengthen <i>Jua Kali</i> Association County Wide	County wide	High	To create good collective bargaining power and organised marketing.	<i>Jua kali</i> artisans associations formed by June 2017	Hold mobilization workshops, registration
Construction of modern physical markets/Fresh produce markets.	Garsen, Kipini, Minjila, Bura, Madogo, Hola	High	To provide market facilities, improve earnings, and create employment.	5 markets constructed, 1 existing market rehabilitated.	Land acquisition, architectural designs, Environmental Impact Assessment (EIA), tendering and contracting.
Establishing business information centres.	Garsen, Hola, Bura	High	To create awareness on business opportunities and provide market linkages.	3 B.I.C established and equipped by June 2018.	Land acquisition, architectural designs, tendering, ontracting and soft ware development.
Tana annual trade exhibition.	Hola	High	To create awareness and exploit the potential of the county.	Trade exhibition initiated every year.	Land acquisition, shed construction, publicity e.t.c.
Construction of a gypsum processing plant	Nanighi	Medium	To add value to gypsum	1 gypsum processing plant constructed at Nanighi by June 2018	Invite E.O.I. from private investors, carry out visibility study, Carry out E.I.A., e.t.c.

Projects/Programmes: Tourism

Table : New Projects/Programmes - Tourism

Project/Programme Name	Location	Ranking	Objectives	Targets	Description of Activities
Baseline survey on tourism attractions	County wide	High	To document the tourism potential of Tana River county	Develop one tourism guide book for Tana River by June 2016	Involve tourism key stakeholders to carry out the exercise
Tana River Tourism Marketing	Regional and Nationally.	High	To create awareness of	One workshop for tour	Inviting tour operators, paying

Project/Programme Name	Location	Ranking	Objectives	Targets	Description of Activities
Campaign Programme.			tourism potential in Tana River County.	operators, media campaign and printing of brochures organised by June 2016.	for both print and audio media adverts.
Expansion of Mchelelo tented camp.	Wenje	High	To increase accommodation capacity of Mchelelo camp for tourists and conference facilities at Primate reserve by June 2018	Increase accommodation capacity from 10 persons to 50 persons by June 2018; Expand conference capacity of the Primate reserve from 30 to 100 persons by June 2015.	Environmental Impact Assessment (EIA), Buy tents, beds and beddings, increase water supply, power and invest in security.
Construction of eco-camp	Kipini, Hola, Wenje	High	To promote eco-tourism in Tana River county	Construct 3 eco-camps at Wenje, Kipini, Hola by June 2018	Environmental Impact Assessment (EIA), Buy tents, beds and beddings, increase water supply, power and invest in security. Train CBOs on eco-tourism
Certification of home stays.	Kipini, Garsen, Hola, Bura, Madogo	High	To promote the rich cultural tourism in the county so as to increase the income levels in the county.	25 Home stay to be certified by June 2018.	1. Create and promote awareness amongst the locals. 2. Inspection and certifications of the home stays
Formulate and enact County Tourism Policies and County Tourism Act	County wide	High	To give legislative and legal framework for the tourism industry.	Draft policy document developed by June 2016.	Liaise with AG to formulate a sessional paper and County Tourism Bill in readiness for submission to Tana River County Assembly. Sensitize Tana River County Assembly committee dealing with tourism issues
Develop and diversify tourism products	County wide	High	Create and diversify tourism	Develop 8 tourism products by	Identify and document tourism products/attraction

Project/Programme Name	Location	Ranking	Objectives	Targets	Description of Activities
			attractions.	June 2017	sites
Enhance publicity and information flow in tourism	County wide	High	To promote tourism in the county.	Establish one tourism information centre by June 2017	Establish tourism information centres, print brochures e.t.c.
Enhance community based tourism	County wide	High	To encourage community driven conservation of tourism attraction and create employment.	6 workshops held for community based tourism organisations. 1 inventory of tourism CBO done by June 2017	Take inventory of all community based tourism organizations. Build capacity on the CBOs in tourism.
Coordinate management of beach activities	Kipini.	High	To have well regulated beach operations by June 2018.	One tourist market built, beach operator activities regularised by June 2018	1. Organize and regulate beach operators' activities. 2. Identify land for construction of beach operators markets and facilities near the coast line. 3. Tendering for design and construction of tourist markets.
Promote Meeting Incentives Conference and Exhibition (MICE)	Hola.	High	To encourage conference tourism in Tana River County.	One Tana River conference & convention center established by June 2016.	Identification of site, designing, tendering and contracting.
Conservation of heritage sites	Kipini and Hola	High	Conservation of the county heritage	Conserve Sultan Said Majid tomb, preserve the Mau Mau detention camp in Hola and other heritage sites.	To refurbish the sites.

7.2.6 Cross Sector Linkages

In creating an enabling environment for businesses to thrive the sector works closely with the Public Administration sector through several legislations and licensing regimes which are administered by county government. It also links with the Public Administration Sector through the Ministry of Foreign Affairs in seeking markets abroads for products. The sector links closely with environmental regulatory authorities such as NEMA. The sector works with

the National Security and Governance, Justice, Law and Order sectors which are important in the provision of a secure investment environment.

The Micro, Small and Medium Enterprises in this sector receive credit and grants from other sectors through financial institutions and devolved funds. The sector also liaises with the Agricultural and Rural Development to assist in value addition of various agricultural and livestock products so as to increase their market value. Continued collaboration between the Trade, Tourism and Industry sector and Physical Infrastructure sector is crucial in ensuring continuous flow of goods and services to the markets through improvement of roads. Promotion of the country's national heritage and culture contributes immensely to developing an understanding and appreciation amongst the diverse cultures of our nation thus the linkage with the Governance, Justice, Law and Order sector that is mandated to build national cohesion.

7.2.7 Strategies to Mainstream Cross-cutting Issues

The Trade, Tourism and Industry sector's main goal is to alleviate poverty through promotion of trade, tourism and industrialization. The conservation of the bio-diversity in the county so as to promote tourism plays a major role in environmental conservation. Training of traders by the department of trade development encompasses mainstreaming HIV/AIDS issues into the training. The provision of credit to women and youth through the Women and Youth Funds is a major strategy in mainstreaming gender and youth issues into the sector. Micro-Finance Institutions and Village Banks ensure that credit is available to the disadvantaged members of the societies such as the people with disabilities, youth and women.

7.2.8 Strategies to Mainstreaming Disaster Risk Reduction in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses in the general economic, commercial and labour affairs sector such as: poor remuneration, weak labour laws, county labour turn over, poor training, unemployment, etc are addressed adequately by the county government. The strategies involve all stakeholders (Private sector, NGOs, donors in provision of credit facilities, strengthen business organizations like the Chamber of commerce and Industry, develop management courses targeting business community to improve and diversify their business, expand county Joint Loans Board schemes to cater for more business people, strengthen Jua Kali through credit provision and marketing and training Jua Kali artisans on entrepreneurship. This shall be done in line with the five Hyogo Framework of Action (HFA) priorities for action identified for 2013 to June 2018; The sector must ensure that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early

warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and resilience at all levels. The sector must reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms.

7.3 Energy, Physical Infrastructure and ICT Sector

The Energy, Infrastructure and Information Communications Technology Sector consist of Energy; Roads; Public Works; Transport Subsectors.

7.3.1 Sector Vision and Mission

The sector vision and mission are:

Vision: A world class provider of cost-effective physical and ICT infrastructure facilities and services.

Mission: To provide efficient, affordable and reliable infrastructure for sustainable economic growth and development through construction, modernization, rehabilitation and effective management of all infrastructure facilities.

7.3.2 County Response to Sector Vision and Mission

In the medium term, the county will focus on measures aimed at improving both quality and quantity of facilities that are likely to generate greater economic impact in the economy. In the long run, the sector is expected to contribute significantly to the county's overall goal of poverty alleviation by providing an efficient network of basic infrastructure such as roads, bridges, airstrips - infrastructure that will stimulate industrial and agricultural development. The county will give priority to routine maintenance of all classified roads and complete the tarmacking of the remaining section of Hola to Garsen road. The other focus will be on improvement of unpaved feeder roads and opening of other rural roads using the Constituency Roads Funds.

The county will also give priority to expansion of electricity transmission and exploitation of renewable sources of energy such as wind and solar. The local authority will be charged with beautifying and lighting the towns as well as establishing marketing infrastructure for goods produced.

Use of Information Communication Technology in the county is very low. However, the expansion of the mobile phone networks to cover almost all the areas along Garissa to Malindi has improved communication in the county. Despite this expansion, more efforts should be put into expanding the telephone network to the hinterland. There is also an information office and

correspondents in the county. They gather process and disseminate information required for political, social and economic development of the county. The KNBS office in the county provides data for effective planning of development activities.

The county is covered by the medium wave radio broadcast network only. Television networks can only be accessed through subscription to digital television services which limits access to information because very few people can afford these services. A television booster should thus be set up in the county. Computer services in the county are limited due to inadequate power supply but the situation has improved with the electrification of Hola and Madogo towns. School computer programme has been extended to 2 secondary schools in the county and should be extended to the remaining 5 schools and the 2 polytechnics in the county.

The Internet and e-mail services are only available in a few government and NGO offices in the county and therefore there is need for investment in cyber cafes as well as the establishment of a digital village.

The county will also incorporate the research work of the various research institutions so as to improve the living standards of the people.

The major projects in the sector are routine roads maintenance, Construction of modern market in Hola, Bura and Garsen and expansion of electrification in the county.

7.3.3 Importance of the Sector in the County

The provision of a well maintained physical infrastructure is the key to economic growth, employment generation and poverty reduction. Access to the markets, health and other social facilities entirely depends on a good road network. The improvement in the road network also enhances security. This sector provides employment to the local people through implementing labour intensive projects and also provides energy for cooking, lighting and energy for industrialization.

Through Information and Communication Technology, the county's economic, cultural, political and social issues. The sector is also important in providing entertainment to the community. The sector also provides innovations that improve the living standards as they use new technologies in their modes of production.

7.3.4 Role of stakeholders

Stakeholder	Role
Kenya Wildlife Service	Opening and maintaining roads within the National Park and game reserves
National Youth Service	Construction of Hola –Garsen road. They also play a big role in training and employment as well as improving access
Kenya Building Research Centre	Contribute to research on new cheap building materials
National Irrigation Board	Improve feeder roads within the major irrigation schemes
Constituency Development Fund Committee	Opening up of roads
County Government	Improvement of town roads and control of development in towns
Roads Department	Co-ordinate and fund road construction, maintenance and improvement in the county and maintain airstrips
Public Works Department	Provide technical support in design and construction of buildings
National Government	Provision of policy framework for the sector and license services
Mobile and telephone service providers	Provision of telephone infrastructure both landline and mobile phones
NGO's, Churches, educational institutions	Provide ICT training in the county
Media Houses	Dissemination of information using the radio, newspapers and set up TV transmitter
Government Departments, NGOs	Providing material for the CIDC
Kenya National Bureau of Statistics	Data collection and dissemination of information.
Youth Office	Provision of staff for the polytechnics trained in science, technology and innovation
Private Sector	Establish cyber cafes for internet access as well as partner with government in initiating digital villages

Stakeholder	Role
Department of Information and Communication	Identifying issues that affect the local communities and highlighting them in the media

7.3.5 Projects and Programmes Priorities

New Projects/Programmes: Public Works

Table : New Projects/Programmes: Public Works

Project/Programme Name & Location	Location	Ranking	Objectives	Targets	Description of Activities
Completion of the Governor's office	Galole	High	Office accommodation	To provide offices to 6 No. County Executive members by June 2014	Environmental Impact Assessment (EIA), Construction ,civil works & landscaping
Repair and refurbishment of county assembly	Galole	High	To provide offices to the speaker, clerk and other senior officers	To provide offices to the Speaker ,Deputy speaker, Clerk & other senior officers by June 2014	Environmental Impact Assessment (EIA), Construction, civil works & landscaping
Perimeter fencing to the Governor's offices	Galole	High	To secure the office premises	To enclose the Executive wing & legislative wing (Former county council's compound & trade offices compound) by June 2014	Construction of perimeter wall, waiting bay, gate house and gates.
Air conditioning and Burglar proofing to 4 no. offices at Governor's office block	Galole	High	To enhance working environment	Fix air conditioning system and burglar proofing by June 2014	Fixing of air conditioners, burglarproofing grilles and making good the affected areas
Repairs & Refurbishment of the co-operative house to be used as an office block.	Galole	High	To provide office accommodation to 3No. County executive members and senior officers in the governor's office	Repair the cooperative office block by June 2014	Environmental Impact Assessment (EIA), Repair works, painting works, civil works and landscaping
Repair & Refurbishment of the county assembly's debating chambers	Galole	High	To bring the current assembly hall to acceptable standards	Repair and refurbish the county assembly chambers by June 2014	Floor carpeting, introducing acoustic doors, putting ceiling,

Project/Programme Name & Location	Location	Ranking	Objectives	Targets	Description of Activities
					interior repainting, external repainting and civil works
Construction of masonry wall to the Governor's compound	Galole	High	To enclose the governor's compound	Fence 10 Acres plot by June 2014	Site identification Topo Survey Design Preparation of BQs Tender Process Construction
Construction of office block for the County Director of Housing	Galole	High	To provide office accommodation	To construct 1No. office block by June 2016	Site identification Topo Survey Design Preparation of BQs Environmental Impact Assessment (EIA), Tender Process Construction
Construction of slaughter house	Galole, Bura	High	To improve the market for livestock	Complete 2 no. 1 per sub-county mentioned by June 2014	Site identification Topo Survey Design Preparation of BQs Environmental Impact Assessment (EIA) Tender Process Construction
Construction of county works office block	Galole	High	To provide office accommodation to public works staff	Complete 3 no. 1 per Sub-county mentioned by June 2016	Site identification Topo Survey Design Preparation of BQs Tender Process Construction
Construction of foot bridges	Galole, Bura & Garsen	Medium	To provide linkages & improve accessibility	Complete 30 footbridges, 10 per sub-county by June 2018	. Site identification Topo Survey Design Preparation of BQs Tender Process Construction
Completion of ESP projects (CIDCs , Schools of excellence,Market sheds,Model health centres)	Galole, Bura & Garsen	Medium	To stimulate the economy; To empower the local community	Complete & operationalize 3 CIDCs, 3 schools of excellence,3 model health centres & 3 sheds by June 2015	Environmental Impact Assessment (EIA) Builder's work, electrical works, mechanical works, civil works & landscaping

On-Going Projects/Programmes: Roads

Table : On-Going Projects/Programmes: Roads

Project/Programme Name & Location	Objectives	Targets	Description Of Activities
Boka-Bangale Road Bura Constituency	To open up the road to improve livestock marketing in Bura constituency.	Bush clearing; grading and gravelling of 64km and improve drainage works.	Environmental Impact Assessment (EIA); Bush clearing; Grading; Gravelling; Culverting.
Bura Town-Bura East Bridge Road Bura Constituency	To interlink agriculture and livestock producing areas and promote inter county commerce by 2015.	To gravel 12 Km and improve drainage works per year.	Environmental Impact Assessment (EIA); Gravelling and Culverting.
Hola- Wenje Road (E874) Galole Constituency	To improve accessibility to Wenje market centre and to services by 2015.	Gravelling 46 Km.	Environmental Impact Assessment (EIA); Gravelling and improving drainage system.
Hola- Garsen Road-B8 Galole and Garsen Constituencies	To complete 76 Km by 2015.	To link the county with North Coast Tourism Circuit and hence boost rural incomes through employment opportunities, tourism and marketing by 2015.	Environmental Impact Assessment (EIA); Construction to bitumen standards and rehabilitation of drainage.
Resealing of Malindi-Garsen Road Garsen Constituency	To maintain 82 Km along Malindi-Garsen B8 road by 2015.	To improve road transport between Malindi, Garsen and Lamu by 2015.	Environmental Impact Assessment (EIA); Patch filling; Bush clearing.
Masalani- Boji- B8 Road Galole Constituency	Provide an all weather road to ease transportation of farm produce, livestock products and other goods all year round and promote inter-divisional commerce by 2015.	Complete 5km gravelling by 2015.	Environmental Impact Assessment (EIA); Gravelling and rehabilitation of drainage system.
Hola-Rhoka-Bura (E869) Galole and Bura Constituencies	Provide an all weather road to ease transportation of farm produce, livestock products and other goods all year round and promote inter-divisional commerce by 2015.	Gravel 52 Km by 2015.	Environmental Impact Assessment (EIA); Gravelling and rehabilitation of drainage system.
Gravelling of Manono-Ozi road Garsen Constituency	To gravel 25 Km by the end of the plan period.	To improve accessibility between Manono and Ozi by 2015.	Environmental Impact Assessment (EIA); Gravelling; Construction of culverts; Earthworks.
Gravelling of Gamba-Kitere road Garsen Constituency	To gravel 37 KM of the road by 2015.	To improve accessibility between Gamba, Kitere and eventually to Ijara by 2015.	Environmental Impact Assessment (EIA); Gravelling; Construction of culverts; Earthworks.
Hola- Waldena-Mudha Road (E723) Galole Constituency	To improve accessibility to markets and to services by 2015.	Rehabilitate 136 km by 2015.	Environmental Impact Assessment (EIA); Rehabilitation of road and improvement of drainage system.
Makere to B8 Junction Road	To gravel improve by gravelling 9km of Makere to	9Km gravelled by 2015.	Environmental Impact Assessment (EIA); Gravelling

Project/Programme Name & Location	Objectives	Targets	Description Of Activities
Galole Division	B8 junction Rd. accessibility.		and improvement of drainage system.
Hola-Haroresa and Kalkacha- Dayate roads Galole Constituency	To improve by gravelling 50 km of Hola-Haroresa; Kalkacha-Dayate roads by 2015.	50 Km of road gravelled by 2015.	Environmental Impact Assessment (EIA); Gravelling and improvement of drainage system.
Bura-Chewele-Ghamano Road Bura Constituency	To gravel and improve Bura-Chewele-Ghamano road by 2015.	Complete gravelling of Bura-Chewele-Ghamano road by 2015.	Environmental Impact Assessment (EIA); Gravelling and improvement of drainage system.
Nanighi-Sala-Dukanotu Road Bura Constituency	To gravel and improve Nanighi-Sala-Dukanotu road by 2015.	Complete gravelling of Nanighi-Sala-Dukanotu road by 2015.	Environmental Impact Assessment (EIA); Gravelling and improvement of drainage system.
Gravelling of Kilelengwani-Kau road Garsen Constituency	To gravel 4KM of the road by 2015.	To improve accessibility between Kilelengwani and Kau by 2015.	Environmental Impact Assessment (EIA); Gravelling; Construction of culverts; Earthworks.
Madogo-Mbalambala Road Bura Constituency	Improve accessibility to markets and to services.	Gravelling complete by 2015.	Environmental Impact Assessment (EIA); Gravelling and improvement of drainage system.

New Projects/Programmes: Roads

Table : New Projects/Programmes: Roads

Project/Programme Name	Location	Ranking	Objectives	Targets	Activities
Periodic maintenance of the Junction B8-Garsen town road	Garsen	Medium	To Improve accessibility to markets and services by June 2018	Rehabilitate and maintain 3 Km by June 2018	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Kipini-Witu Road	Garsen	Medium	Improve accessibility to markets and services by June 2015	Upgrade 20.3Km by June 2015	Upgrading to bitumen standard.
Saware-Waldena-Makutano(B8)	Galole	Medium	Improve accessibility to markets and services by June 2018	Upgrade 120.9Km by June 2018	Environmental Impact Assessment (EIA); Upgrading of the road to engineered gravel standard
B8 – Asa road	Garsen	Medium	To improve accessibility to Asa Market by June 2014	Gravel and improve 80.67 by June 2014	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Laza – Wenje	Galole	Medium	To improve	Rehabilitate 46	Environmental

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
Road			accessibility to Wenje market services by June 2015	Km by June 2015	Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Mlanjo A3-Sombo- Hamares	Bura	Medium	To improve accessibility of the road by June 2015	Rehabilitate 56 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
B8-Tarassa-Ngao	Garsen	Medium	To improve accessibility of the road by June 2015	Rehabilitate 13km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Madogo – Mbalambala Road	Bura	Medium	Improve accessibility of Mbalambala market by June 2015	Rehabilitate 80.08km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8(Bura) – Bura Bridge	Bura	Medium	To interlink agriculture and livestock producing areas ; To promote inter-county commerce by 2015	Rehabilitate 1.22 km by June 2015	Environmental Impact Assessment (EIA); Gravelling; rehabilitation of drainage
Junction B8(Bura) – Bura Bridge(Graveling)	Bura	Medium	Gravelling; rehabilitation of drainage by June 2015	Rehabilitate and maintain 1.22 km by June 2015	Environmental Impact Assessment (EIA); Gravelling; rehabilitation of drainage
Roka – Laza-Makutano (B8)	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 47.15 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Mlanjo- sombo – Hamares	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 64.84 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
					culverts
Junction B8 – Nanighi	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 16.5 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8 – Boji	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 6.18 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8 – Makere	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 9.28 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8 – Chifiri	Galole	Medium	Improve accessibility to market and services by June 2015	Rehabilitate maintenance of 17.2 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8 – Pumwani	Galole	Medium	Improve accessibility to market services by June 2015	Rehabilitate maintenance of 9.28 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8 – Majengo	Galole	Medium	Improve accessibility to market services by June 2015	Rehabilitate maintenance of 13.3 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Mnazini – Kitere	Garsen	Medium	Improve accessibility to market services by June 2015	Rehabilitate maintenance of 6.0 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
Sailoni – Wema – Gamba	Garsen	Medium	Improve accessibility to market services by June 2015	Rehabilitate maintenance of 12.0 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8 – Kibusu	Garsen	Medium	Improve accessibility to market services by June 2015	Rehabilitate maintenance of 4 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
B8 – Ziwa la Kuta	Garsen	Medium	Improve accessibility to market services by June 2015	Rehabilitate maintenance of 7.22 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Tarassa- Oda	Garsen	Medium	Improve accessibility to market services by June 2015	Rehabilitate maintenance of 5.72 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Ziwa la Kuta – Manono	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 10 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction D567- Kilelegwani	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 7 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction D8 – Kurawa	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 6.63 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction D8 –	Garsen	Medium	Improve accessibility	Rehabilitate	Environmental

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
Sera			to markets and services by June 2015	maintenance of 7.28 km by June 2015	Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Rhoka – Laza-Makutano(B8)	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 6.57 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction URP6 – Mitiboma – El Rar	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate maintenance of 45 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Rhoka – Bangale	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 25 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Malka Mansa – Korani	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 30 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Nanighi – Sala	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 30 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Sabukia – Lakole	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 20 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8 – Bilbil- Waldesa	Bura	Medium	Improve accessibility to markets and	Rehabilitate and maintain 25 km	Environmental Impact Assessment

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
			services by June 2015	by June 2015	(EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction A3 (Bangale) – Boka	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 63 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Matagala- Subu-Kornomoku	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 6 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Bura – Chewele	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 15 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction E874 (Maweni) – Gafuru – Harambee (Junction. B)	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 18 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Mkomani – Majengo	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 7 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Majengo – Kilindini	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 7 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Dc's office – MOR office	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 3 km by June 2015	Environmental Impact Assessment (EIA);

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
					Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Chifiri – Mitiboka – Junction E723	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 72 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Mikinduni Junction B8	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 9 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Chifiri – Hakoka	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 10 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Manono – Ozi	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 28 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Kitere – Sailoni	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 25 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Kone – Asa	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 63 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Garsen – Maziwa	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 9 Km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
					road; Improvement of the drainage system; Laying of culverts
C112 Danisa – Galili	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 5 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Karengethe – Dalu	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 7 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Ngao – Klaus Road	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 5 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Junction B8 – Jajavo	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 20 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
B8 – (Galole) – Haroresa	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 18 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Wenje- Makere – Hara	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitate and maintain 14 km by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Town Roads (Hola Town)	Hola Town	Medium	Improve to Bitumen standard by June 2015	Construct 20km of tarmac road by June 2015	Environmental Impact Assessment (EIA); Upgrading to bitumen standard.
Street Lighting	Hola town	Low	To improve security &	Erect 240 no.	Environmental

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
	Bura town Garsen town Madogo town Minjilla Bangali Kipini		encourage 24 hour economy by June 2015	street lighting posts by June 2015	Impact Assessment (EIA); Survey Tender process Erection of posts Power connection
B8 – Garsen High school	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Tarasaa junction – Ngao sub-county hospital	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Kipini - Bandarini	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Kanangoni – Katsangari	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Mapandio - kipini	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Gafuru – B8 road	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Kilindini –	Garsen	Medium	Improve accessibility	Rehabilitation	Environmental

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
masalani road			to markets and services by June 2015	and maintenance by June 2015	Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Korlabe – Chira road	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
B8 – Oda (Kwindwa road)	Garsen	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Cheridende -Bangale	Bura	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Harambee - Gafuru	Galole	Medium	Improve accessibility to markets and services by June 2015	Rehabilitation and maintenance by June 2015	Environmental Impact Assessment (EIA); Rehabilitation of the road; Improvement of the drainage system; Laying of culverts
Ngao -Kipao bridge	Garsen	Medium	-Improve accessibility to markets and to services -Promote easy accessibility and connection between villages by June 2015	Construction of strong and permanent bridge by June 2015	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Odha – Bura kofira bridge	Garsen	Medium	-Improve accessibility to markets and to services -Promote easy accessibility and connection between villages by June 2015	Construction of strong and permanent bridge by June 2015	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Kilelengwani – Ozi bridge	Garsen	Medium	-Improve accessibility to markets and to	Construction of strong and	Environmental Impact Assessment

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
			services -Promote easy accessibility and connection between villages by June 2015	permanent bridge by June 2015	(EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Kilengwani – Kau bridge	Garsen	Medium	-Improve accessibility to markets and to services -Promote easy accessibility and connection between villages by June 2015	Construction of strong and permanent bridge by June 2015	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Mandingo – Handaraku bridge	Garsen	Low	-Improve accessibility to markets and to services -Promote easy accessibility and connection between villages by June 2015	Construction of strong and permanent bridge by June 2015	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Onwardei – Manono bridge	Garsen	Low	-Improve accessibility to markets and to services -Promote easy accessibility and connection between villages by June 2015	Construction of strong and permanent bridge by June 2015	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Onkolde – Galili bridge	Garsen	Low	-Improve accessibility to markets and to services -Promote easy accessibility and connection between villages by June 2015	Construction of strong and permanent bridge by June 2015	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Garsen –Danisa bridge	Garsen	Low	-Improve accessibility to markets and to services -Promote easy accessibility and connection between villages by June 2015	Construction of strong and permanent bridge by June 2015	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Kikomo – Ongonyo bridge	Garsen	Low	-Improve accessibility to markets and services -Promote easy accessibility and connection between villages by June 2018	Construction of strong and permanent bridge by June 2018	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Mnazini -Bahati	Garsen	Low	-Improve accessibility to markets and services	Construction of strong and permanent bridge	Environmental Impact Assessment (EIA); Survey

Project/Program me Name	Location	Ranking	Objectives	Targets	Activities
			-Promote easy accessibility and connection between villages by June 2018	by June 2018	Tender process Site visits Construction of bridges Work Evaluation
Dibe – Galili bridge	Garsen	Low	-Improve accessibility to markets and services -Promote easy accessibility and connection between villages by June 2018	Construction of strong and permanent bridge by June 2018	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Power from Ukasi to Bangale (Rural electrification)	Bura	Low	-Encourage 24 hour economy -Promote development of learning institutions by June 2018	Construction of strong and permanent bridge by June 2018	Environmental Impact Assessment (EIA); Survey Tender process Erection of posts Power connection
Construction of weighing bridges at Chardende , Kurawa	Bura Garsen	Low	-To increase revenue collection -To control tannage by June 2018	Construction of permanent weighing bridge by June 2018	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of the weighing bridges Work Evaluation
Matagalla foot bridge	Bura	Low	-Improve accessibility to markets and services -Promote easy accessibility and connection between villages by June 2018	Construction of strong and permanent bridge by June 2018	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation
Bilbil bridge	Bura	Low	-Improve accessibility to markets and services -Promote easy accessibility and connection between villages by June 2018	Construction of strong and permanent bridge by June 2018	Environmental Impact Assessment (EIA); Survey Tender process Site visits Construction of bridges Work Evaluation

On-going Projects: Urban Development

Table : On-going Projects: Urban Development

Project/Programme Name & Location	Objectives	Target	Description of Activities
Street lighting Hola, Bura, Madogo, Bangale, Garsen, Minjila	To have streets lights in major towns of the County	Erect 240 no. street lighting posts by June 2016.	Erection of street lighting posts, street lighting.
Construction of Modern Market in Hola, Bura and Garsen County wide	To improve marketing of fresh produce in the county by constructing at least 3 marketing	Three fresh produce markets constructed in Galole, Bura, and Garsen by 2015.	Preparation of part development Plan; Design; Environmental Impact Assessment; Construction.

Project/Programme Name & Location	Objectives	Target	Description of Activities
	facilities in the county by 2015.		

New Projects/Programmes: Urban development

Table : New Projects/Programmes: Urban development

Project/Programme Name & Location	Priority Ranking	Objectives	Target	Description of Activities
Fire fighting engine Galole Division	High	To prevent destruction due to fire accidents.	Fire engine in place by 2015.	Purchase of engine.
Modern bus park in Hola Galole Division	High	To ease congestion of public service vehicles within Hola town.	Construction of bus park complete by 2015.	Preparation of Part development Plan; Design; Environmental Impact Assessment; Construction.

On- going Project/Programmes: Energy

Table : On- going Project/Programmes: Energy

Project/Programme Name & Location	Priority Ranking	Objectives	Target	Description of Activities
Electrification of Madogo government institutions Bura Constituency	High	To connect at least 10 government offices with electricity by 2015.	Provide power to 10 government institutions in Madogo divisional headquarters and its surroundings by 2015.	Extension of power lines from Garissa; Installation of power.
Supply of Solar Power on commercial Basis at affordable Price County Wide	High	To promote alternative source of energy for commercial purposes.	Solar panels and batteries availed to the communities.	Provision of solar panels and batteries and other accessories.
Exploitation of Other Alternative Sources of Power County Wide	Medium	To explore use of other sources of power: solar, wind Biogas by 2015.	To provide 7 major centres earmarked for development by 2015.	The provision of solar panels, biogas units and construction of wind mills.
Extension of Rural Electricity to Kilelengwani Location Garsen Constituency	Low	To supply electricity to Kilelengwani market centre by 2015.	To connect power supply to Kilelengwani market for commercial and domestic purposes.	Survey; Provision of electricity posts; Extension of grid lines; Connection to meters.

New Projects/Programmes: ICT
Table : New Projects/Programmes: ICT

Project/Programme Name & Location	Location	Priority Ranking	Objectives	Targets	Description of Activities
ICT and broadband infrastructure	County wide	High	To establish high capacity ICT and e-government infrastructure, enhance delivery of service from various systems	All offices networked and interconnected, 90% area coverage by June 2016	Network design, Procure ICT equipment, installation and operation.
County website	County wide	High	To develop a dynamic county website for easy access to information	1 functional county website developed and hosted; Contents uploaded by June 2016	Procurement of service Develop a dynamic county website Uploading of contents and updating of website
ICT Policy/standards and strategic plan	County head quarters	High	To streamline operations	Develop County ICT policy and regulations, strategic plan by June 2015	Procurement of consultancy services. Development of ICT policy, ICT strategic plan
Capacity building on ICT skills	County wide	High	To improve ICT skills of leaders, technical and operational staff, users and citizens	Train staff on ICT skills by June 2018	Training needs assessment Identification of trainees Procure training services
Community ICT resource centre and cyber cafes (ICT villages)	All wards	High	Expand use of ICT services to provide internet, email, and fax and internet services to the community, Increase level of technology awareness in the rural areas.	15 ICT centers set up by June 2018	Identify sites. Identify investors, Setting ICT infrastructure
Radio station and mobile cinema services	Hola town	High	To enhance access to information, entertain and educate the community	Set up one FM station broadcasting 1 mobile cinema track/unit by June 2016	Identification of a site, Resource mobilization procurement of broadcasting equipment, acquisition of frequencies recruitment of staff procure mobile track, projectors and screen, public address systems
County Press	Hola	High	To establish a functional rural press unit	1 magazine/ Newsletters on a monthly basis by June 2015	Identification of site Procurement of printing equipment, Recruitment of staff
Mobile phone services	County wide	High	Facilitate use of the Internet and ease	90% of the county covered	Feasibility Installation of more

Project/Programme Name & Location	Location	Priority Ranking	Objectives	Targets	Description of Activities
			communication.	by mobile network by June 2016	transmitters for mobile phones
Television and radio Transmitter	County Wide	High	To inform, entertain and educate the community.	Set up 1 Television and 3 radio transmitters to cover the county by June 2016	Lobby Television and radio Service Providers to install transmitters in the County. Identify land
Media and ICT learning institution/centre	Hola	High	Establish a centre to Impart knowledge and skills in ICT and media	Build and equip 1 institution to train students in the ICT and media skills by June 2016	Lobby for funds to establish and equip institution

7.3.6 Cross Sector Linkages

The Physical Infrastructure sector is important because it provides basic infrastructure that is necessary for the efficient operation of the rest of the sectors and their sustainable growth. It is important in facilitating production, value addition, transportation and marketing of agricultural produce through provision of motorable roads, power and market facilities. The Infrastructure Sector is linked with the Human Development Sector because it provides employment opportunities through its labour intensive programmes.

The Energy, Infrastructure and ICT Sector recognizes the importance of protecting and conserving the environment during implementation of infrastructure projects through enforcing Environmental Impact Assessments before undertaking implementation of projects to ensure that the activities carried out do not impact negatively on the environment. Hence, its linkage with the Environmental Protection, Water and Housing sector. Water is important in generation of hydro-electric power.

The rapid growth and high performance of agriculture and rural development, environmental protection, water and housing sectors will heavily rely on research work by various institutions in the energy, infrastructure and ICT sector. By exploiting the liberalized airwaves and hightech information systems, the sector can prosper through media marketing, exchange of vital information and availing information on best practices. Good Information and communication systems will enhance the productivity of the human resource.

Key Processes in the energy, Infrastructure and ICT sector especially Roads and Buildings designs; can greatly be enhanced by employing relevant ICT software for their design works. Information Technology is perhaps the single most significant tool that can enhance the

provision of a variety of services in support of law and order. For effective planning, accurate surveys on environmental degradation, water sources pollution and any sanitation issues will be necessary.

7.3.7 Strategies to Mainstream Cross-cutting Issues

Most of the projects in the sector are aimed at alleviating poverty by ensuring there is access to markets, goods, social amenities such as health and education facilities thus ensuring there is an enabling environment for poverty reduction.

Promotion of labour intensive projects/programmes is an important strategy in provision of employment to the youth. Physical infrastructure project workers are prone to exposure to the HIV/AIDS scourge. To address this problem, all projects should have a HIV/AIDS sensitization component. To reduce long periods of absence of their spouses from their homes, contractors and agencies will be encouraged to hire and recruit workers from within the project areas.

Soil and water conservation efforts will be applied so as to protect the environment because most of the projects have an impact on the environment. Environmental Impact Assessments should be carried out for all major projects.

There will be efforts geared towards ensuring that all buildings constructed in the county take into account the needs of the persons with disabilities.

This sector is important in mainstreaming all cross cutting issues into development programmes and projects through provision of information, communication and education. ICT in the county will be utilized to disseminate information on HIV/AIDS, environment, gender, and youth, persons with disability and on national diversity and integration. The county will also encourage investments in cyber cafes and promote the digital villages' concept as well as support ICT programme in learning institutions thus mainstreaming youth issues. Research will also play an important role in finding solutions to the myriad of challenges facing the youth, women, disabled and also in prevention and mitigation of disasters such as hunger, famine, HIV/AIDS, drought and floods.

7.3.8 Strategies to Mainstreaming Disaster Risk Reduction in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses in the energy, physical infrastructure and ICT sector such as: poor road network, high energy costs, dilapidated communication channels, inaccessibility to markets for agricultural products, poor social amenities and insecurity, etc are addressed adequately by the county government. Strategies

encouraging other investors in provision of mobile telephone facilities to the hinterlands as well as provide internet facilities, providing services and equipment through the Public Private Partnership arrangement, development of town plans shall be done in line with the five HFA priorities for action identified for 2013 to June 2018; the sector must ensure that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and resilience at all levels. The sector must reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms.

7.4 Environmental Protection, Water and Housing Sector

This sector is composed of the environment protection, water and housing sub-sectors.

7.4.1 Sector Vision and Mission

Vision:

Sustainable access to adequate water and housing in a clean and secure environment.

Mission:

“To promote, conserve and protect the environment and improve access to water and housing for sustainable national development.”

7.4.2 County Response to Sector Vision and Mission

The county will put in place programmes and projects aimed at proper management and conservation of natural resources base, protection of water catchments, disaster management and early warning systems.

The county will also prioritize establishment of water supply in Bura, construction and rehabilitation of water facilities. Rehabilitation of Bura and Hola irrigation schemes and construction and rehabilitation of various minor irrigation schemes will also be given a lot of focus.

The county will advocate for environmental impact assessments to be conducted for all major projects and also promote soil and water conservation. Establishment of solid and liquid waste management systems within the major towns and trading centres in the county will be prioritized. Exploration of mineral resources will also be prioritized as well as the regulation of mining so as to promote environmental conservation. Focus will also be put on promotion of the use of latrines/toilets so as to increase toilet coverage.

To ensure adequate access to shelter for all, the county will need to come up with investor friendly strategies to boost housing projects in the county. This will ensure affordable housing for the people in the county.

7.4.3 Importance of the Sector in the County

The Water, Environment, and Sanitation Sector forms the bedrock for a clean, secure and sustainable environment for the citizenry by promoting the quality of the environment and natural resources. The sector further forms critical linkages between environment and the main productive sectors. Sound environmental conservation results in preservation of natural resources thus assuring continuous supply of environmental goods and services. In addition, proactive management of the environment pre-empts calamities and disasters which would otherwise have serious socio-economic implications. The improvement of water and sanitation infrastructure is key in ensuring food security, better health and sanitation and improving incomes through agriculture and sports.

Water is an environmental resource necessary not only to support life but also sustain economic activities across different sectors. The county faces enormous challenges in the development and management of limited water resources. Furthermore, the magnitude and severity of the water crisis cuts across most sectors of the economy thus making water resources management a high priority that requires urgent attention.

Provision of environmental goods and services is important for the promotion of livelihoods through provision of water for livestock and domestic use. Proper sanitation leads to better health by reducing the incidences of environmental disease such as cholera, dysentery, and bilharzia.

7.4.4 Role of stakeholders

Stakeholders	Role
National Irrigation Board; Tana	Provide water for irrigation
Delta Irrigation Project	
WESCOORD (Water and Environmental Sanitation Coordination)	Coordination of Sector Players
Catholic Diocese of Garissa	Construction of water and irrigation structures
Community Development Trust Fund (CDTF),	Construction of water and irrigation structures
Constituency Development Fund;	Construction of water facilities and capacity building

Stakeholders	Role
Red Cross Society of Kenya NDMA	Construction of water and irrigation facilities; Capacity building; Water trucking, Construction of water and irrigation facilities
German Agro Action; Action Aid Kenya; World Vision; Kenya Water And Health Organization (KWAHO)	Capacity building and construction of water, irrigation and sanitation structures, Natural resource and drought management
Coast Development Authority	Capacity building and construction of water and sanitation structures
UNICEF	Capacity building
WARMA	Registration of water user associations
Kenya Wildlife Services	Support Environment conservation initiatives
NEMA	Co-ordination of Environmental Management and Conservation
Mines and Geology department	Regulation of Mineral exploration and evaluation; Provision of information on mineral base
Medium Term ASAL Programme (MTAP)	Support natural resource management forum and water development cycle
Community	Management of water and irrigation structures; environmental conservation; forming mining co-operative

7.4.5 Projects and Programmes Priorities

New Projects/Programmes: Water Development

Table : New Projects/Programmes: Water Development

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of activities
Construction of 50,000m ³ Capacity large dams in Bura, Galole and Garsen sub counties	Wayu,(1) Boka,(1) Ndera(1) Shirikisho (1) Hirimani (3) Bangale(2)	High	Harvest flood water through construction of large dams along lagas, Increase water storage, reduce walking distance to water for human and livestock	9no. 50,000m ³ dam for human & livestock Constructed; 18no double door toilets constructed near the dams; 135 committee members from the dam communities trained on water management and sanitation by June 2018; Access to water reduced to less than 50Km	Topographic survey & Design; EIA approval; Excavation and make for embankment & spillway, draw off points for human & livestock; Sanitation units construction; Community training
Construction of 30,000m ³ Capacity w/pans in all 3 sub-counties	Chifiri, Kibaoni, Mandingo, Kokani, Baomo, Mnazini, Matagala, Katumba, Hakik	Low	Harvest surface runoff; Increase water storage; Walking distance to less than 500m radius to water for both human and livestock	10 no 30,000m ³ capacity new water pans constructed in the 3 sub-counties by June 2018; 22no double door toilets constructed near the water pans by June 2018	Topographic survey & Design; EIA approval; Excavation and make for embankment & spillway, draw off points for human & livestock; Sanitation units construction; Community training
Rehabilitation of silted/ breached water pans	Whole county	Low	To harvest surface runoff, Increase water storage & reduce walking distance to water for both human and livestock	24 water pans expanded and desilted in the whole county by June 2017	Clear inlets of overgrown vegetation and siltation; Remove silt from pan bed; Stop gap for erosion on occurring gullies; Refence; Rebuild washed embankments; Restore dilapidated sanitation and water drawing facilities
Reticulation & improvement of Hola w/supply	Chewani- <i>Galole Sub county</i>	High	Improve water distribution & accessibility of piped water supply and sanitation; Reduce water wastage through leaks; Improve revenue collection	2no 100cm tanks; 1no filter unit; 8 km of 2" UPVC pipeline constructed; Hola water billing system is upgraded; Water quality analysis system is upgraded; 4acres of adjacent land next to Hola treatment works is acquired for extension of the water works by June 2015	Augmentation of clear water pump; sedimentation tank; Filtration units; Distribution mains; Pipe Extensions; EIA approval; Installation of e-software facilities and capacity building of personnel; Purchase and installation of chemical analysis equipment and reagents; Purchase of land for expansion of treatment works

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of activities
Construction of Hola – Chewani p/line extension	Chewani-Galole Sub county	Medium	Increase accessibility to portable water and improve sanitation	Wachakone p/line upgraded from 3” to 4”UPVC; Wachakone p/line is extended from Wachakone to Chewani by June 2016	Redesign and upgrade the p/line; Excavation; Pipe laying; Testing; Civil works construction
Construction of Lenda – Handampia p/line extension	Mikinduni-Galole Sub county	Medium	Increase accessibility to portable water and improve sanitation	Pipeline from Hola to Lenda is upgraded from 3”to 4””; Extend it also extended from Lenda to Handampia by June 2016	Redesign and upgrade the p/line; Excavation; Pipelaying; Testing; Civil works construction
Construction of Hola to NYS & Mango plant P/line extension.	Chewani-Galole Sub county	Medium	Increase accessibility to portable water and improve sanitation	A 6” pipeline from the end of the existing 8” DC’s office p/ line is constructed to Mango plant 25km away by June 2015	Redesign and upgrade the p/line; Excavation; Pipelaying; Testing; Civil works construction including tanks and chambers
Construction of Bura- Hola Bulk Water Supply	Bura - Bura Sub county & Hola - Galole Sub county	Medium	Create a water supply line covering villages along the river from Bura to Wenje, and economically boosting the water company revenue	A status survey of Bura treatment works is carried out; Identified damages of the treatment works are repaired; A Phased bulk 6”-8” pipeline from Bura through the following centres:- Kumbi, Makere, Daku, Chewani, Wachakone, Wata, Kone, Mikinduni, Lenda, Handampya, Wenje, Baomo, Maroni, Hara, Mnazini junction is constructed; An extension to Chifiri and environs is constructed by June 2016.	Carry out a baseline survey; Survey and redesign; Pipe laying a 6” p/line; Storage tank construction; Civil works construction; Repair of Bura Water works; EIA approval
Transfer of Bura Water Works operations from NIB to TAWASCO	Bura-Bura Sub county	High	Transfer the management of portable water supply services of the area to the mandated institution	Transfer agreement between NIB and County Water office is constituted and effected; All consumers in Bura are metered; Revenue of TAWASCO is increased by 50% by June 2015	Inventory of assets; Acquisition and compensation; Rehabilitation of reticulation system and buildings; Posting of staff

Project/Program Name	Location	Priority Ranking	Objectives	Targets	Description of activities
Transfer of Madogo w/supply operations from Gawasco to TAWASCO	Madogo-Bura Sub county	High	Transfer the management of portable water supply services of the area to the mandated institution	Transfer agreement between GAWASCO and Coast water Services Board/Tana County Water office is constituted and effected; All consumer accounts in Madogo are transferred to TAWASCO; Revenue of TAWASCO is increased by 30% by June 2015	Inventory of assets; Acquisition and compensation; Posting of staff; Purchase and installation of standby generator/pump set
Construction of Nanighi - Chardende w/supply	Nanighi-Bura Sub county	Low	Increase access to portable water and improve sanitation	A 30km 4" PVC pipeline constructed by June 2018	Baseline survey; Plan and design
Construction of Chardende BH to Market centre	Bura-Bura Sub county	High	Increase accessibility to portable water	A 2km, 2" diameter pipeline is constructed; 5,000 people have increased access to portable water by June 2015	Pipeline construction , 2km of 2" UPVC diameter
Agumentation of Garsen w/supply: Construction of 500m ³ elevated GI tank at Minijila	Garsen-Garseni Sub county	High	To increase accessibility to portable water supply; To increase revenue for WSP	1no. 500 m ³ GI elevated steel tank Constructed by June 2015	Survey and design; Purchases and construction Testing Commissioning
Agumentation of Garsen w/supply: Construction of 50m ³ elevated tank at Sofia	Garsen-Garseni Sub county	High	Increase accessibility to portable water supply; Increase revenue for WSP	1no. 50 m ³ GI elevated steel tank constructed by June 2015	Survey and design; Purchases and construction; Testing; Commissioning
Agumentation of Garsen w/supply: Construction of 100m ³ elevated tank at Danisa	Garsen-Garseni Sub county	High	Increase accessibility to portable water supply; Increase revenue for WSP	1no. 100 m ³ GI elevated steel tank constructed by June 2015	Survey and design; Purchases and construction; Testing; Commissioning
Agumentation of Garsen w/supply: Construction of 7km-90mm UPVC pipeline from Danisa to Gamba	Garsen-Garsen Sub county	High	Increase accessibility to portable water supply; Increase revenue for WSP	7km , 90mm UPVC pipeline constructed by June 2015	Survey and design; AIE approval; Purchases and construction; Testing; Commissioning

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of activities
Agumentation of Garsen w/supply: Rehabilitation of a an existing 100m3 elevated GI tank at <i>Sub county</i>	Garsen Garsen- <i>Garsen</i>	High	Increase accessibility to portable water supply; Increase revenue for WSP	100m3 elevated GI tank at Garsen rehabilitated by June 2015	Survey and design; Purchases and construction; Testing; Commissioning
Agumentation of Garsen w/supply: Construction and equipping of Minijila Sub county Water office at Garsen	Garsen Sub county	High	Increase accessibility to portable water supply; Increase revenue for WSP	1 no office block at Minijila constructed by June 2015	Design and plan approval; Procurement; Construction; Commissioning
Agumentation of Garsen w/supply: Construction of 3" UPVC pipeline 3km for Vision 2030 Garsen slaughter house(Vision 2030)	Garsen- <i>Garseni</i> <i>Sub county</i>	High	To increase accessibility to portable water supply; To increase revenue for WSP	3km of 3" UPVC pipeline constructed	Survey and design; AIE approval; Purchases and construction; Testing; Commissioning
Agumentation of Garsen w/supply: Construction of 5km , 4" UPVC pipeline extension to serve new DC's office and its environs	Garsen- <i>Garsen</i> <i>Sub county</i>	High	Increase accessibility to portable water supply; Increase revenue for WSP	5km 4" UPVC pipeline constructed by June 2015	Survey and design; Purchases and construction; Testing; Commissioning
Agumentation of Ngao w/supply and booster pump	Ngao- <i>Garseni</i> <i>Sub county</i>	High	To increase water pressures and water supply at Tarasaa High; Kipao location residents to have access to piped water supply	Construct a 500m3 elevated GI tank at Ngao, Construction of clear water sump-200m3 tank, Construction of p/line extension to Kipao, Construction of 50m3 tank, Construction of 2'UPVC 3km reticulation at Oda village to school and its environs, Construction of composite filtration unit/coagulation tank at Ngao, Construction of 35km pipeline extension from	Construct a 500m3 elevated GI tank at Ngao; Construction of clear water sump-200m3 tank; Pipeline extension to Kipao location; Construction of 50m3 tank; 2'UPVC 3km reticulation at Oda village to school and its environs; Composite filtration unit/coagulation tank at Ngao; 35km pipeline extension to Hurara; Construction of 200m3 booster tank at Tarasaa high and booster pump

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of activities
				Tarasaa to Hurara and Construction of 200m ³ booster tank at Tarasaa High School by June 2018	
Construction of Kipini water supply	Kipini	Low	Increase accessibility to portable water supply, Increase revenue for WSP	Hydrogeological survey, Developmeont of the source, Pumping set Construction , and distribution system 15km of 4'' 3'' 2''upvc done. Construction of elevated tank 200m ³ and 100m ³ by June 2018	Hydrogeological survey Development of the source Pumping set construction Construction of distribution system 15km of 4'' 3'' 2''upvc Construction of elevated tank 200m ³ and 100m ³ .
Construction of Ozi water supply	Ozi	Low	Increase accessibility to portable water supply	Hydrogeological survey, Well/BH drilled and developed, Pumping set construction Solar panel and pumping system installed, Distribution system of 5km 2''upvc pipeline, elevated tank 50m ³ and 3no water kiosks constructed 15 community member capacity built in water management skills by June 2018	Hydrogeological survey Development of the source Pumping set construction Provision of solar pumping system Construction of distribution system 5km of 2''upvc Construction of elevated tank 50m ³ and water kiosks Community capacity building
Construction of Danisa to salama w/supply	Salama	Low	Increase accessibility to portable water supply; Increased revenue for TAWASCO	Survey of 12km 4'' pipeline and design done; Excavation, pipe laying 12km , testing and 100m ³ masonry tank constructed by June 2018	Survey and design of p/line; Excavation; pipe laying 12km; testing; 100m ³ masonry tank; Civil works construction
Construction Mnazini water supply	Mnazini loc	Low	Increase accessibility to portable water supply to the residents and environs	Hydro geological survey, Well/BH drilled and developed, Pumping set construction Solar panel and pumping system installed,	Hydro geological survey Development of the source Pumping set construction Provision of solar pumping system Construction of

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of activities
				Distribution system of 10km 4”upvc pipeline, 2no elevated tanks of 50m ³ and 4no water kiosks constructed 30community member capacity built in water management skills by June 2018	distribution system 10km of 4”upvc Construction of 2no elevated tanks 50m ³ and 4no water kiosks Community capacity building
Construction/Sinking of new boreholes	Lakole, Bultomlitu, Kone, Kipini, Asa, Katumba, Bangale, Bulto, Banta, Lebile, Tula, Boka, Hasako, Korati, Konorama dha, Lagabadana, Ongola, Titila, Haboye, Hakoka, Walestokocha, Haroresa, Hara, Assa Kone, Iddi	Low	Increase portable water accessibility & storage for livestock and human in the hinterland	25 boreholes drilled and equipped by June 2018	Hydro geological surveys done; Carrying out Environmental Impact Assessments(EIAs) for all the 25 boreholes Drilling and equipping the borehole
Rehabilitation/completion of boreholes	Galole	High	Sustain access to portable water supply	Rehabilitate 24 Boreholes by June 2015	Appraisal/assessment; Repair
Drilling of shallow wells	County wide	Medium	Save lives lost from crocodiles while fetching water at the river	60 wells drilled in all villages by June 2016	Assessment, Tendering, Drilling
Purchase of water boozers and Water trucking	Wayu, Chewani, Kinakomba, Kurawa, Assa, Bangale,	Low	Reduce human stress and animals	Purchase of 10 water boozers 2 every year by June 2018.	Purchase of water boozers; At least two trips per week for each centre during drought
Installation of PVC tanks	County wide	Medium	Provide and increase water storage capacity for emergency water trucking	Deliver and pipe fit 1000 no 10m ³ UPVC tank to identified villages/institutions	Re assess and appraise; Procure and deliver

Project/Program me Name	Location	Priority Ranking	Objectives	Targets	Description of activities
			during drought	by June 2016	
Construct dams and shallow wells along the 4 lagas	Wayu, Masabubu, Haroresa, Dokanotu, Tukha, Nanighi Onyogola, Ghale, Halo Bura, Waldena, Titila) Bura, Galole Divisions	Low	To provide water to livestock and human consumption.	13 dams and wells constructed by June 2018.	Carrying out Environmental Impact Assessments (EIAs) for the dams Construction of wells and dams.
Ground water exploration in the hinterlands	County wide	Medium	Collect hydrological data.	To explore 5 water areas per year by June 2016	Carry out data collection; Carry out geographical surveys to establish ground water availability
Construction of protective sea wall along Kipini town showline	Kipini	High	To protect infratructure and people from sea erosion	1 Concrete protective wall built along kipini showline constructed to reclaim land by June 2015	Carrying out an Environmental Impact Assessment(EIA) Procurement Construction Commissioning

New Projects/Programmes: Land reclamation

Table : New project/programmes: Land reclamation

Project/Program me Name	Location	Priority Ranking	Objectives	Target	Description of Activities
Construction of gabion boxes in eroded land scapes	Bura, Galole, Garsen	Low	To control soil erosion	To reclaim 4no. eroded sites per sub-county per year by June 2018	Mapping of eroded sites; Construction of gabion

New Projects/Programmes: Irrigation

Table : New Projects/Programmes: Irrigation

Project/Program me Name	Location	Priority Ranking	Objectives	Target	Description of Activities
Irrigation Cluster	Galole, Wenje, Madogo,	High	Improve the management of minor irrigation	Formation of 3 irrigation clusters per	Training, identification of clusters, establishes

Project/Program me Name	Location	Priority Ranking	Objectives	Target	Description of Activities
	Bura		projects.	year.	ownership of land.
Drip irrigation promotion	County Wide	High	Improve urban and peri-urban food production through kitchen gardening.	Establish 20 bucket kits, 10 drum kits and 5 1/8th acre kits by 2015.	Identification of sites and beneficiaries, training, provision of kits, fencing kitchen gardens.
Develop irrigation project	Chewele, Zubaki, Makere, Ndura, Madogo, Mororo, Wardesa	High	Alleviate hunger and poverty through increasing food production and incomes.	Irrigate 300 Ha of land to benefit 1,110 people by 2015.	Preliminary identification for surveys; Soil, hydrological and topographical survey; Mobilization; Environmental Impact Assessment (EIA); Construction of pump house; Construction of pipeline and main canal; Construction of division boxes and training of farmers.
Irrigation Infrastructure Development and Capacity Building	Bangale	High	Increase area under Irrigation in the County from the present 2% (2,720ha) of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential by June 2018	Identify and Construct Small scale Irrigation projects as follows:- Buwa SHG - 600HA Korati SHG - 600HA, Sala SHG - 600 HA and Pamba SHG - 600HA so as to increase area under Irrigation in Bangale from the present 480ha to 2400ha by June 2018	Mobilization and sensitization up to 800 farmers; Surveying and designing- 2400ha; Environmental Impact Assessment (EIA); Supervision of Implementation; Capacity building, and training; Formation of Irrigation Water Users' Associations
Irrigation Infrastructure Development and Capacity Building	Madogo	High	Increase area under Irrigation in the County from the present 2% (2,720ha) of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential by June 2018	Identify and Construct Small scale Irrigation projects as follows:- Maramtu SHG - 240HA Mororo SHG - 100HA, Almkaram	Mobilization and sensitization up 1000 farmers; Surveying and designing- 2400ha; Supervision of Implementation; Capacity building, and training; Formation of Irrigation Water Users' Associations

Project/Program me Name	Location	Priority Ranking	Objectives	Target	Description of Activities
				SHG - 240 HA Gubatu SHG - 340HA And Sombo SHG- 240 so as to increase area under Irrigation in Bangale from the present the present 240ha to 2400ha by June 2018	
Irrigation Infrastructure Development and Capacity Building	Bura	High	Increase area under Irrigation in the County from the present 2% (2,720ha) of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential by June 2018	Identify and Construct Small scale Irrigation projects as follows:- Chewele SHG - 240HA Nanighi SHG - 100HA, Wadhesa SHG - 240 HA Bura Kofira SHG - 340HA And Allamagan SHG- 240HA so as to increase area under Irrigation in Bura from the present 240ha to 2400ha by June 2018	Mobilization and sensitization up to 1000 farmers; Surveying and designing- 2400ha; Environmental Impact Assessment (EIA); Supervision of Implementation; Capacity building, and training; Formation of Irrigation Water Users' Associations
Irrigation Infrastructure Development and Capacity Building	Galole	High	Increase area under Irrigation in the County from the present 2% (2,720ha) of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential by June 2018; Increase area under Irrigation in the County from the present 2% (2,720ha) of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential	Identify and Construct Small scale Irrigation projects as follows:- Masabubu SHG - 240HA; Women Agro-Foresry SHG 50HA, GhalamaniSHG - 100HA, Mrafani SHG - 240 HA Handampia	Mobilization and sensitization up to 1000 farmers; Surveying and designing- 2400ha; Environmental Impact Assessment (EIA); Supervision of Implementation; Capacity building, and training; Formation of Irrigation Water Users' Associations; Mobilization and sensitization up to 2000 farmers;

Project/Program me Name	Location	Priority Ranking	Objectives	Target	Description of Activities
			by June 2018	SHG - 24HA Rhoka SHG - 240HA so as to increase area under Irrigation in Galole from the present the present 320ha to 2450ha by June 2018; Identify and Construct Water Pans to store water for irrigation as follows:- Waldhena - 30,000m ³ Wayu Duka - 30,000m ³ Koticha - 30,000m ³	Surveying and designing- 3 water Pans; Supervision of Implementation; Capacity building, and training; Formation of Irrigation Water Users' Associations
Irrigation Infrastructure Development and Capacity Building	Wenje	High	Increase area under Irrigation in the County from the present 2% (2,720ha) of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential by June 2018	Identify and Construct Small scale Irrigation projects as follows:- Bububu SHG - 240HA Masalani SHG - 100HA, SHG - 240 HA Bondeni SHG - 240HA Maroni SHG - 240HA so as to increase area under Irrigation in Wenje from the present the present 240ha to 2400ha by June 2018	Mobilization and sensitization 1000 farmers; Surveying and designing- 2400ha; Environmental Impact Assessment (EIA); Supervision of Implementation; Capacity building, and training; Formation of Irrigation Water Users' Associations
Irrigation Infrastructure Development and Capacity Building	Garsen	High	Increase area under Irrigation in the County from the present 2% (2,720ha) of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential	Identify and Construct Small scale Irrigation projects as follows: Baomo SHG Dida Ade	Mobilization and sensitization 1000 farmers; Surveying and designing- 2400ha; Supervision of Implementation; Capacity building,

Project/Program me Name	Location	Priority Ranking	Objectives	Target	Description of Activities
			by June 2018	SHG 420 - HA Kibusu SHG - 420HA, SHG - 420 HA Bahati SHG - 420HA Baratiro SHG - 1120HA so as to increase area under Irrigation in Garsen from the present the present 560ha to 2800ha by June 2018	and training; Formation of Irrigation Water Users' Associations
Irrigation Infrastructure Development and Capacity Building	Tarasaa	High	Increase area under Irrigation in the County from the present 2% (2,720ha) of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential by June 2018	Identify and Construct Small scale Irrigation projects as follows: Golbanti SHG, Mwadhamba (Golibanti) SHG-420Ha, Oda SHG -420Ha Kithanga SHG 420 - HA Ozi Chara SHG - 420HA, SHG - 420 HA Ngao SHG - 420HA Dalu SHG - 1120HA so as to increase area under Irrigation in Tarasaa from the present the present 400ha to 2840ha by June 2018	Mobilization and sensitization 1000 farmers; Surveying and designing- 2400h; Environmental Impact Assessment (EIA); Supervision of Implementation; Capacity building, and training; Formation of Irrigation Water Users' Associations
Irrigation Infrastructure Development and Capacity Building	Kipini	High	Increase area under Irrigation in the County from the present 2% (2,720ha)	Identify and Construct Small scale Irrigation	Mobilization and sensitization 1000 farmers; Surveying and

Project/Programme Name	Location	Priority Ranking	Objectives	Target	Description of Activities
			of Total Irrigation Potential to 10% (13,600ha) of Total Irrigation potential by June 2018	projects as follows: Kilelengwani SHG SHG 300 - HA Kau 200 - 420HA, SHG - 420 HA Kipini Drip Irrigation Clusters -(4)-60HA so as to increase area under Irrigation in Kipini from the present 560ha to 2800ha by June 2018	designing- 2400ha; Environmental Impact Assessment (EIA); Supervision of Implementation; Capacity building, and training; Formation of Irrigation Water Users' Associations
Irrigation Infrastructure Development and Capacity Building	County wide	High	Improve Skills in Farmers' Organizations for efficient Project Management and Efficient Utilization of Irrigation Water	Provide appropriate training to all 44 Small Scale Irrigation Groups to transform and register them as Irrigation Water User Associations by June 2018	88Residential Trainings sessions 3Demonstration 16 exchange visits and 28Tours

On-Going Projects/Programmes: Environment

Table : On-Going Projects/Programmes: Environment

Project/Programme Name & Location	Objectives	Targets	Description of Activities
Renewable energy centre Bangale.	To construct a renewable energy centre at Bangale by 30 th June 2013.	1 renewable energy centre at Bangale	Building construction work.

New Projects/Programmes: Environment

Table : New Projects/Programmes: Environment

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description Of Activities
Strategic Environmental Assessment(SEA)	Countywide	High	To identify general environmental impacts of all the projects in the CIDP and their general mitigation measures	A Strategic Environmental Assessment report for this CIDP produced by June 2015	Procurement of consultancy services, field visits, stakeholders meetings, report writing and submission to NEMA for consideration for approval.
Construction of 3 environment office blocks	Hola Garsen Bura	High	To improve management of the environment in Tana River county by providing construction of environment offices	3 environment offices by June 2017	Environmental impact assessments, tendering and construction
Commercial tree planting	County wide	High	To plant 1,000,000 trees seedlings for commercial purposes by June 2018	1,000,000 tree seedlings planted by June 2018	Tree planting
Construction of centralized sewerage and wastewater systems.	Kipini, Garsen, Hola, Bura, Madogo, Bangale	Medium	To construct centralized sewerage and wastewater systems by 30 th June 2015.	6 centralized sewerage and wastewater systems by June 2018	Identification of land for construction of the sewage treatment plants. Environmental Impact Assessments (EIAs)
Restoration and Protection of riverine ecosystem.	County wide	High	To conserve the natural vegetation currently present on the 30 metre riparian reserves on either side of Tana river and afforest any empty places on the 30 metres riverine riparian reserve for the entire 700 km of river Tana by 30 th June 2016.	The 30-metre riparian reserve for the entire 700km of Tana river protected and afforested with indigenous trees by June 2018.	Pegging of the riverine riparian reserve. Enforcing the requirement of conservation of riparian reserves. Procurement of seedlings of indigenous trees. Carrying out the afforestation work. -Conservation of indigenous trees on the riverine riparian reserve Construction of livestock watering points (malkas) Employ riverine protection scouts
Rehabilitation of	Bilbil,	High	To carry out	10 degraded	Carrying out an

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description Of Activities
degraded gypsum mining sites.	Chardende, Dukanotu, Tula		restoration and rehabilitation of 10 degraded and abandoned gypsum mining sites by 30 th June 2018.	sites to be restored by levelling and afforestation by June 2018	inventory of all degraded and abandoned gypsum mining sites where the miners are untraceable. Selection of 10 sites to be rehabilitated. Preparation of 10 rehabilitation plans. Implementation of the rehabilitation plans.
Construction of waste disposal sites and waste transfer stations	Hola town Garsen town Bura town Madogo town Kipini town Wenje town Bangale town Ngao town Tarasaa town	High	To ensure proper management of solid wastes in the entire county.	Construction of 9 dumpsites and 36 waste transfer stations; -Construction of a polythene and plastics recycling plant by June 2018	Identification of land for dumpsites Carrying out environmental impact assessments Carrying out the construction Purchase of waste transportation vehicles Three waste transportation vehicles one for each sub-county
Awareness on environmental management	County wide	High	To create awareness among the public for proper environmental management by conducting 2 public awareness meetings per year per ward for 5 years	2 sensitization meetings every year per ward by June 2018	2meetings x 15 wards x 5 year (Total of 150 meetings)
Phased removal of <i>Prosopis juliflora</i> and replacement with appropriate trees, preferably indigenous trees.	Garsen -Madogo road side Hola town and Bura Town	High	To remove a total of 50 hectares of <i>Prosopis juliflora</i> and replanting the area with suitable indigenous trees by 30 th June 2018.	50 hectares under <i>Prosopis juliflora</i> reclaimed and successfully replanted with other suitable trees, preferably indigenous trees by June 2018.	-Marking out the area where the removal of <i>Prosopis</i> will be carried out. -Carrying out the revmoval. -Procuring seedlings for replanting. -Carrying out the replanting with suitable tree species.
Construction of concrete embankments to prevent constant changing of river courses	Garsen and Kipini divisions	Medium	To construct embankments gabions at 4 points along river Tana where the river is likely	4 concrete embankments constructed by June 2018	-Carrying out Environmental Impact Assessment. -Tendering for the construction works. -Carrying out the constructions.

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description Of Activities
			to change course and cause disaster flooding.		
Construction of a polythene and plastics waste recycling plant.	Hola	Low	Proper management of polythene and plastic waste in the county.	1 recycling plant constructed by June 2018	-Source for land. -Carry out an Environmental Impact Assessment (EIA). -Tendering. -Construction.
Preparation of Tana Delta Environmental Management Plan.	Garsen ward Kipini ward Tarasaa ward	Medium	To make a management plan to guide proper management of Tana Delta wetland	1 environmental management plan prepared by June 2016	-Consultancy services, field visits, stakeholders meetings, validation meeting

New Programmes/Projects: Housing

Table : New Programmes/Projects: Housing

Project/Programme Name & Location	Location	Ranking	Objectives	Targets	Description of Activities
Construction of assembly staff houses	Galole	High	To provide accommodation to the County assembly staff.	20 new no. of houses for staff by June 2015	EIA; Construction of houses.
Construction of speaker's official residence	Galole	High	To provide accommodation to the Speaker.	Construct new residence or speaker by June 2015	EIA; Construction of house.
Repair & refurbishment of the deputy speaker's house	Galole	High	To provide interim accommodation to the deputy speaker	Repair the house by June 2014	Environmental Impact Assessment (EIA) Repair works, painting works and provision of furniture
Repairs & refurbishment of County residential houses	Galole	Medium	To provide accommodation to the County secretary	Repair and furnish the residential unit by June 2014	Repairs works, painting works and provision of furniture
Construction of ABT (Appropriate Building Technology Centre)	Bura	Medium	Train locals on use of appropriate building technology	Construct 1 no center and start training by June 2015	Environmental Impact Assessment (EIA) Construction
Construction of the official Governor's	Galole	High	To provide official residence	Construct Governor's official	Environmental Impact

Project/Programme Name & Location	Location	Ranking	Objectives	Targets	Description of Activities
residence			to the Governor	residence by June 2015	Assessment (EIA) Site identification Topo Survey Design Preparation of BQs Tender Process Construction
Promotion of low cost construction materials and technology transfer to communities	Galole	High	To promote utilization of locally available construction materials while transferring technology and knowledge to the local communities	Procure 1 interlocking brick making machine; Train 4 youth artisans; 4 model classrooms /pit latrines constructed; by June 2014	Coordination meetings; Initial contact meetings & MoU signing; Identification of model school; Training of youth/artisans; Designing & BoQ development; Procurement; Environmental Impact Assessment; Moulding and brick making; Construction of the classrooms; M& E visits; Reporting; Handing over.
Low Cost Housing	Hola	High	Provision of low cost houses for the low income earners	100 acres of land acquired; 1 drawing and design; 500 Two and Three bed room bungalow housing units by June 2018	Environmental Impact Assessment (EIA) Land acquisition; Drawings and designs; Constructing low cost houses

7.4.6 Cross Sector Linkages

The performance of key sectors in the economy especially agriculture, livestock, manufacturing and tourism depend on the availability and reliability of required water resources. Energy, a vital resource in economic development is also dependent on water resources. Water is not only an essential raw material in many industries that has a major influence on economic performance at the national level, but also at local and household levels. Improved access to water and sanitation plays a huge role in local communities in terms of the time savings, which is made available for economic activities. In addition, illness as a result of environmental related diseases has a negative bearing on the economy.

Deforestation, settlement and intense farming degrades water resources. This causes reduced river flows and pollution resulting to having less water for domestic, agricultural and hydropower generation. Environmental issues are closely linked to other sectors in the economy such as planning and overall development, population dynamics, finance, public health and sanitation, trade. Conflict in pastoral areas is driven by many factors, including long-standing inter-communal tensions, competition over resources and especially water and grazing grounds, the proliferation of small arms. As a result, conflict continues to undermine socioeconomic development in relation to water, sanitation, forest and environmental management.

7.4.7 Strategies to Mainstream Cross-Cutting Issues

This sector alleviates poverty and ensures access to food through provision of water for drinking, livestock and for irrigation. Implementation of water, irrigation and mining projects provides employment for a wide spectrum of the community more so the youth and women thus mainstreaming gender and youth issues into the sector. Ensuring that there is access to water saves a lot time for girls and women who are mostly involved in search and collection for water in the community. Through the various trainings on water and environmental management, HIV/AIDS issues are mainstreamed into the sector by including them as part of the curriculum.

7.4.8 Strategies to Mainstreaming Disaster Risk Reduction in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses in the environment protection, water and housing sector such as: water pollution, air pollution, upsurge of communicable diseases, poor shelter, lack of food, etc are addressed adequately by the county government. Strategies such as handing over of the operational water supplies to communities after training, construction of water pans, wells and boreholes, training of water user association, construct canal from Tana River to provide water to hinterlands, continuous monitoring of water quality at all supply points, rehabilitating Hola and Bura irrigation Schemes, use of gravity fed methods in Hola and Bura Irrigation schemes will help in DRR in this sector. This should be done in line with the five HFA priorities for action identified for 2013 to June 2018; the sector must ensure that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and

resilience at all levels. The sector must reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms.

7.5 Education Sector

7.5.1 Sector Vision and Mission

Vision: A globally competitive education, training, research and innovation for sustainable development.

Mission: To provide, promote and coordinate quality education and training, integration of science, technology and innovation in sustainable socio-economic development process.

7.5.2 County Response to Sector Vision and Mission

To achieve the sector vision and mission, the county will focus on promoting community involvement and participation in education programmes, promotion of Girl Child Education (GCE) and Early Child Development (ECDE) programmes.

The county will also prioritize improvement of education through increase in bursary and community contribution and promotion of a sustainable school feeding programme. Other priorities will be to establish mobile schools and boarding schools for pastoral communities. The county will also prioritize equipping of secondary schools with IT and laboratory facilities, enhancing and sustaining adult literacy and lifelong education through development of community learning centres and literacy promotion efforts.

7.5.3 Importance of the Sector in the County

The sector is important in imparting knowledge and skills to improve management of social systems, change of mindset (attitude change) towards nurturing a cohesive and knowledgeable society, with a culture of tolerance, equity, nationalism, respect and value for life and basic human rights. Through education, the sector will ensure that the county has a population with the right attitude and skills to participate in the implementation of the programmes and projects outlined in this plan. Through health, the sector will ensure that the county has a healthy population with physical and mental capacities to participate effectively in achieving the mission of the county.

7.5.4 Role of stakeholders

Stakeholder	Role
Catholic Diocese of Garissa (CDG)	Construction of classrooms; provision of text books in both primary and secondary schools
African Inland Church	Capacity to pre-primary education; Support to

Stakeholder	Role
OPEC	construction of primary schools.
African Muslim Agency	Construction of laboratories for secondary schools Promote the integration of Islamic education to the formal education system
Community Development Trust Fund	Provide grants for the construction of education facilities
UNICEF	Support to children's education and construction of education facilities
Constituency Development Fund Committee	Construction, rehabilitation and equipping of educational and provision of bursary funds
World Food Programme	Provision of food for the school feeding programme and the supplementary feeding programme
Department of Education	Provide staff, infrastructure improvement, grants, bursaries, and HIV&AIDS education.
Tana Peace Reconciliation and Development	Promotion of girl child education, provision of learning material
National Council for People with Disability	Construction and equipping special schools for children with disabilities
German Agro Action	Provision of water and sanitation facilities to schools.
Maendeleo Ya Wanawake	Advocate for the right of women and the girl child and fight against FGM
County Education Board	Coordination of education activities in the county

7.5.5 Projects and Programmes Priorities

Ongoing Projects/Programmes: Education

Table : Ongoing Projects/Programmes: Education

Project/Programme Name & Location	Objectives	Targets	Description of Activities
Mwina pri Salama	To improve the learning environment	One classroom constructed by June 2013.	Procurement Construction
Gamba pri Garsen	To improve the learning environment	One classroom constructed by June 2013.	Pocurement Construction

New Projects/Programmes: Education

Table : New Projects/Programmes: Education

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Construction of toilet blocks at Matagala primary school.	Chewele	Medium	Improve hygiene at school by 40%	Ensure all the 200 pupils access toilets facilities by June 2014	Environmental Impact Assessment (EIA) Construction of food store and improvement of sanitation
Arap Moi Resource Room & Classrooms renovation	Garsen	Medium	Improve the state of two classrooms for conducive learning	Construction of a resource room and improvement of performance by June 2014	Environmental Impact Assessment (EIA) Construction of resource room and renovation of two classrooms
Haroresa Primary Classrooms renovations	Kinakomba	Medium	Improve the state of two classrooms for active participation	Retention of 70 pupils for active participation by June 2014	Renovation of two classrooms
Primary Schools Boarding Wings Project	County Wide	High	To improve enrolment and retention rates in pastoral areas.	Improve retention rate and enrolment rate in pastoral areas by 40% by having a boarding school per division by June 2018.	Environmental Impact Assessment (EIA) Construction and equipping of boarding wings; recruit pupils.
Construction of toilet and a food store at Mwina primary	Chewele ward	High	Improve hygiene at school by 40%	200 pupils accessed the two(2) toilet facilities constructed and one(1) food stores constructed by June 2014	-resource mobilization -procurement -Environmental Impact Assessments (EIAs) -construction -sensitization
Renovation of classrooms and construction of a resource centre at Gamba primary school	Garsen south ward	High	To create a conducive learning environment.	Two(2) Classrooms renovated and one(1) resource centre constructed and equipped by June 2014	-resource mobilization -procurement -Environmental Impact Assessment for the construction of the resource centre -construction -fixing and fitting of assets and materials
Capacity building	County wide	High	To improve the quality and standards of learning	To empower 400 education stakeholders annually	Invite facilitators, Identify training needs, Training, M&E
Recruitment of ECDE	County	High	Proper staffing of	To employ 750	Advertisements,

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
teachers	wide		ECDE centers	ECDE teachers county wide annually	Recruitment, Deployments,
Registration of learning institutions in the county	County wide	High	Establish legal entities	To register 300 ECDE centers annually	Approvals of registration documents
Quality assurance and stds.	County wide	High	Improve performance	Conduct assessment to 90 learning institutions annually	Assessments, Recording,
School Feeding Programme	County Wide	High	Retention and increase enrollment	Provide food rations to established primary & ECDE by June 2015	Food distribution, M&E
Supply of instructional materials	County Wide	High	Quality and standards	Provision of instructional materials to all learning institutions	Source funds, Procurement, M&E
Rehabilitation of primary and secondary schools	County wide	Medium	Improve learning environment	Renovate 30 primary, 10 secondary schools annually	Procurement, Renovations M&E
Renovation of Sanitation facilities	County wide	High	Improve learning environment	Renovate 60 sanitary units in primary and secondary schools annually; construct 30 sanitary units in ECDE centers annually	Procurement, Environmental Impact Assessments (EIAs) Constructions, Renovations M&E
Construction of Kitchens and food store	County wide	High	Retention and increase enrollment	Construct 160 kitchen blocks in primary and ECDE annually	Environmental Impact Assessments (EIAs) Procurement, Constructions, M&E
Provision of furniture	County wide	Medium	Improve learning environment	Procure furniture in all learning institutions by June 2016	Procurement,
Promote Girl Child Education	County Wide	High	Access and retention of girl child	60% Retention of girl child by June 2015	Sensitization and awareness campaign
Establish ECDE college	Garsen, Galole, Bura	Medium	Improve quality of staffs	Establish 3 ECDE by June 2016	Identify Land, Procurement, Construction, M&E

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Sponsorship and bursaries programme	County Wide	Medium	Access to education and retention	Sponsor 30 ECDE trainees, 2000 secondary schools, 600 postsecondary annually	Identify needy trainees, Funding
Community Learning Resource Centres	County Wide	Medium	Interaction with learning resources	Construct 1 resource center per sub-county by June 2016	Identify Land, Environmental Impact Assessment (EIA) Procurement, Construction, M&E
Literacy Campaign and Recruitment Drive (Promote Adult Education)	County Wide	High	Improve literacy level	Sensitization forums in 15 settlements annually	Sensitization, Identify facilitators,
Establish adult education centers	County wide	Medium	Improve literacy levels	1 adult education center per ward established by June 2018	Establish adult education centers
Mobile schools	County Wide	High	Access to education and retention	9 mobile schools for pastoral community annually	Provision of mobile facilities Funding
Construct and equip Science Laboratory	County Wide	High	Improve performance of sciences	Construct and equip 1 lab per school annually	Environmental Impact Assessment (EIA) Procurement, Construction, M&E
Construct and equip Schools with I.T facilities	County Wide	High	Promote use of information technology	Construction and provision of IT tools and equipment to all primary and secondary schools by June 2015	Procurement, Construction, M&E
Free Primary, secondary and ECD education	County Wide	High	Access and retention	Provision of free education to all primary, secondary and ECDE centers by June 2015	Enrollment records, Funding
HIV/AIDS Education	County Wide	High	Awareness creation on Health education	Integrate HIV/AIDS education in curriculum at all levels by June 2015	Sensitization, Reports
School Fencing	county wide	Medium	Improve security and discipline	Construct fence in all learning	Procurement, Constructions, M&E

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
				institutions by June 2016	
Electrification of learning institutions	County wide	High	Improve learning environment	Install power in all learning institutions by June 2015	Procurement, Installation, M&E
Construction of new boarding secondary schools	County wide	High	Access and retention	Construct 2 boarding schools per sub-county by June 2015	Environmental Impact Assessments (EIAs) Procurement, Constructions, M&E
Boarding primary schools	County Wide	High	Access and retention	Construct 5 boarding primary per sub-county by June 2015	Environmental Impact Assessments (EIAs) Procurement, Constructions, M&E
Construction of special units	Tana North and Tana Delta	High	Access and retention of challenged students	Construct 2 special units for the two sub-counties by June 2015	Environmental Impact Assessments (EIAs) Procurement, Constructions, M&E
Prize giving awards	County Wide	High	Motivation for excellent performance	1 prize giving events per sub-county annually	Invite guests, Present awards
Construction of complex resource centers	County wide	High	Interaction with learning resources	Construct 1 resource center in primary and secondary per sub-county by June 2015	Identify Land, Environmental Impact Assessment (EIA) Procurement, Construction, M&E
Construction of modern library facility at county level	Hola	High	Information and research	Construct 1 modern library by June 2015	Identify Land, Procurement, Construction, M&E
Educational tours	County wide	High	Exposure	2 educational trips at all levels per sub-county annually	Identify venue, Budgeting,
Enforce the law (Education Act)	County wide	High	Compliance with the law	Reinforce education policies at all levels	Sensitization, Reports, M&E
Audit books of accounts	County wide	High	Accountability	All learning institutions to be audited by June 2015	Auditing, Reports,
Construct new ECDE centers	County wide	High	Access and retention	Establish 5 ECDE centers	Identify Land, Carry out

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
				per ward per year	Environmental Impact Assessments (EIAs) Procurement, Construction, M&E
Construction of staff houses	County wide	High	Staff welfare	Construct 100 ECDE staff houses, 50 each for primary and secondary staffs by June 2018	Identify Land, Carry out Environmental Impact Assessments (EIAs) Procurement, Construction, M&E
Provision of clean water	County wide	High	Health and hygiene	Provide clean water to all learning institutions by June 2018.	Procurement, Construction of reservoirs, M&E
Monitoring and evaluation of programmes and projects	County wide	High	To track and control programs/projects	To supervise all school projects& programs In order to ensure compliance by June 2015	Identify project/programs development program, carry out M&E, reports.
Teacher training college	Hola	High	Teacher education	Construct a county teacher training college by June 2015	Environmental Impact Assessment (EIA) Procurement, Construction, M&E
University education	Garsen	High	Offer high education	Construct and equip 1 university in the county by June 2016	Environmental Impact Assessment (EIA) Procurement, Construction, M&E
Construction of toilets in primary and secondary schools	All wards	High	Improve sanitation levels in schools	2 four-door VIP latrines constructed in every school by June 2018	EIA; Construction of toilets

New Projects/Programmes: Special Education

Table : New Programmes/Projects-Special Education

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Seminars and Workshops for special education	Bura, Hola, Garsen	Medium	To create awareness on matters pertaining special education in the county.	9 workshops done on special education in the 3 subcounties per year; 270 parents with children	Identification of participants, Selection, Invitation, Training.

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
				with special needs trained on general awareness of special needs by June 2016.	
Exchange programme for EARC personell, teachers, Sub county assessment committee members	Countywide	Medium	To familiarize with current special programmes interventions in other counties.	3 EARC personell, 11 sub county assessment committee members and 37 special education teachers have gone for an exchange programme per year.	Identification of the institution to visit, Communication with the institution, contract transport, visit the institution.
Children home for the visually impaired.	Hola	Medium	To enhance the access to education for the children who are visually impaired.	1 children home established in Hola, 100 children who are visually impaired access education at the home by June 2015	Identification of the site, Tendering, Construction, Equipping, Staffing, Mobilizingng for children with special needs.
Electricity supply to assessment centres	Bura, Garsen, Hola	Medium	To facilitate effective assessment of learners with special needs.	3assessment centres connected to electricity by June 2015.	Wiring, application for electricity installation, connection to mains electricity.
Establish a sheltered workshop for physically challenged persons.	Hola	Medium	To empower children with special needs with trade skills.	1 sheltered workshop established by June 2015, 50 children with special needs are accommodated for training on 7 trade skills.	Site identification, tendering, construction, equipping, staffing, mobilisation for children, commissioning, training
Establishment of special units	Bura, Hola, Garsen	High	To increase inclusiveness of schools.	12 special units established in Primary schools by June 2015. 300 children with special are accessing education in existing primary	Identification of primary schools, establishing of the special units, staffing, equipping, mobilization of the children, commissioning.

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
				schools.	

New Projects/Programmes: Vocational Training

Table : New Projects/Programmes: Vocational Training

Project/Programme Name	Location / Ward	Priority	Objective	Target	Activity
Construction of Youth Polytechnics	Oda Madogo Wenje Ndura Kipini Bangale Wayu Garsen Tarasaa	Medium	To increase the number of youth with technical and entrepreneurial skills by June 2018.	Construct 12 No. Youth Polytechnics (9 No. Administration, 12 No. Workshop Blocks, 12 No. Classroom Blocks, 12 No. Computer Lab Blocks, 11 No. Dining Hall/Kitchen, 24 No. Hostel Blocks, 24 No. Staff Houses, 12 No. Show Rooms, 12 No. Peripheral Fence and 12 No. Social Halls by June 2018	Source Funds Environmental Impact Assessments (EIAs) Tendering Constructions M&E
Rehabilitation and upgrading the existing youth polytechnics	Maziwa yp Tarasaa yp Tumaini yp	Medium	To improve and enhance quality of technical training.	Rehabilitated 5 workshop blocks, 2 admin blocks, 2 hostel blocks and construct 6 sanitation unit blocks by June 2018	Source for funds; Environmental Impact Assessments (EIAs); Tendering Constructions Refurbishing and renovations M&E
Establishment of a County Model Youth Polytechnic	Mikinduni, Hola	High	To improve and enhance quality of technical training.	Constructed and equipped Model Youth Polytechnic (2 No. 4 workshop block, 2 No.5 classroom block, 1 No 2 computer lab block, 4 No hostel blocks, 4 No toilet blocks, 4 No staff house blocks, 2 No lecture halls and Land Scaping) by June 2018	Source Funds; Environmental Impact Assessments (EIAs); Tendering Constructions M&E

Project/Programme Name	Location / Ward	Priority	Objective	Target	Activity
Provision of modern tools and equipment	Oda Madogo Wenje Ndura Kipini Bangale Wayu Garsen Tumaini Maziwa Tarasaa Hola	High	To improve and enhance quality of technical training.	Provided modern tools, equipment and Training instructional materials in 10 departments in every Youth Polytechnic by June 2018	Source for funds; Tendering Supplies M&E
Staffing of Vocational training institutions	Established Institutions	High	To improve and enhance quality of technical training.	Employed instructors; 440 instructors, 120 w/shop technicians, 165 support staffs by June 2018	Advertisement Recruitments Induction Deployment, Remuneration
Integration of ICT in YP programs	Oda Madogo Wenje Ndura Kipini Bangale Wayu Garsen Tumaini Hola Maziwa Tarasaa	High	To improve and enhance quality of technical training in ICT.	Trained and provided modern ICT tools and equipment in 12 YPs by June 2018	Capacity building, Procurement, supplies M&E
Construct and equip Hola Youth Training Office	Hola	High	To increase efficiency of the Youth Training Office.	Constructed and equipped 1 No Youth Office Block by June 2018	Environmental Impact Assessments (EIAs) Source Funds Identify land Tendering Constructions M&E
Provision of 4 Vehicles and 6 Motor Bikes	Garsen Bura Galole	High	To increase the number of youth with technical and entrepreneurial skills by June 2018.	Procured 4 vehicles and 6 Motor Bikes by June 2018	Source funds Tendering Purchase M&E
YP graduate Internship	Garsen Bura Galole	High	To develop practical work experience	To develop Legislation to regulate internship for YP graduates by June 2018	Need assessment, Workshops, Draft legislation M&E,
Quality and Standards assessments	County wide	High	To improve quality and standards of training	Conduct annual assessment per YP by June 2018	Visits, Assessments

Project/Programme Name	Location / Ward	Priority	Objective	Target	Activity
Tree planting programme.	County wide	High	Conserve the environment for sustainable development	Tree planting and landscaping in all the established YPs by June 2018	Source for funds, Sensitization by KFS, Landscaping, Establish tree nursery, Plant trees, M&E
YP electrification and water supply	County wide	High	Create Conducive learning environment	Provision of power and clean water in 12 YPs by June 2018	Source for funds Install electricity, Install water reservoirs.
Subsidized Feeding programme	County wide	High	Retention of trainees in YPs	Provision of foods rations in 12 YPs annually by June 2018	Source for food supports & distribution
Marketing and publicity	County wide	High	Increase enrollment in youth polytechnics	To create awareness in 15 settlement schemes by June 2018	Source funds Planning Outreach forums
Driving program	Odha YP Hola YP Madogo YP	High	To improve practical skills in driving	Provide 6 training vehicles by June 2018	Procurement M&E
Income Generating Activities	County wide	High	Creation of alternative income for sustainable development	To establish one Agri-business and production units in 12 YPs by June 2016.	Identify resources; Identify viable income activity; Implementation.
Capacity building and pedagogical training	County wide	High	To Improve the quality of service delivery.	Provide pedagogical course to 10 staffs and conduct 12 workshops for capacity building annually by June 2018	Source Funds, Identification of training needs, Identify facilitators, Training
Market fairs & Exhibition	County wide & national shows	High	Publicity of YP programs	Conduct 1 market fair & exhibition annually by June 2018	Identify Venue, Product preparation, Invite guests, Public mobilization, exhibition
Guidance & counselling	County wide	High	Individual and group Social development	Conduct group & personal Guidance & Counselling for trainees and staffs in 12 YPs annually by June 2018	Identification of resource persons, G&C forums
Sports & talent development	County wide	High	To develop & nurture talents	To conduct sports championships and talent development annually by June 2018	Identify resource persons, Sports activities, Identify and develop talents
Collaboration with development partners	County wide	High	To collaborate with development	To bring on board other governments and NGOs for rapid	Source partners, Visitations, Proposal writing,

Project/Programme Name	Location / Ward	Priority	Objective	Target	Activity
			partners for sustainable development	development by June 2018	Partnership agreement, Funding
Examinations & curriculum	County wide	High	Ensure quality and standards	To set, modulate, administer and mark examinations annually by June 2018	Capacity building, Identify needs, Curriculum implementation, Examinations
Subsidized Youth Polytechnic Tuition	County wide	High	Affordable and accessible training	To provide SYPT grants to 3,000 registered trainees annually by June 2018	Enrollment, Registrations, Fund disbursement M&E
YP bursaries & sponsorship	County wide	Medium	Affordable and accessible training	To provide bursaries and sponsorship to 500 needy trainees in 12 YPs annually by June 2018	Identifications of trainees, Fund disbursement
Sanitary towels	County wide	High	Promotion and retention of girl child	To provide sanitary towel to every 1,500 female trainees annually by June 2018	Procurement, Distribution, M&E
Registration of training institutions	County wide	High	To establish legal entities	To register 8 new upcoming YPs by June 2015	Approvals of documents
Construction of Information resource centres	County Wide	Medium	Access to information	To construct and equip 12 resource centers with library materials and internet services by June 2018	Procurement; Constructions; M&E
HIV/AIDs, Drug and Substance abuse awareness campaign	Established YPs	High	Improved health living	To conduct 1 sensitization forum per YP annually by June 2018	Identify resource person, Training, M&E
Annual Youth polytechnic graduation ceremonies.	Established YPs	High	Recognition of achievements	To award certificates for the best performance in established YPs by June 2018	Invite Guest, Certifications
Prizes & awards	Established YPs	High	Motivation for achievements	To award prizes to 360 trainees for outstanding performance annually by June 2018	Identify beneficiaries and awards
Small Enterprise Development	County wide	Medium	To involve YP graduate in economic development for self reliance	To train 300 YP graduates on small enterprise development annually and link them to donors by June 2018	Identify facilitators, Training, Identify donors,
Labour export	County wide	Medium	Youth employment	To employ 5 YP graduates annually by June 2018	Collaborate with other counties and international

Project/Programme Name	Location / Ward	Priority	Objective	Target	Activity
					bodies;Partnerships, Draft MOU, M&E
Audit books of accounts	County wide	High	Accountability	All learning institutions to be audited by June 2018	Auditing, Reports,
Provision of furniture	County wide	High	Improve learning environment	Procure furniture to the established 12 Youth Polytechnics by June 2018	Procurement,

7.5.6 Cross Sector Linkages

Education and training will play a key role in providing the required knowledge, skills and attitude necessary for growth and global competitiveness. The quality education and training provided will contribute substantially to economic growth and expansion of employment opportunities. A healthy population provides the needed workforce to contribute to economic development hence, the linkage with the other sectors.

7.5.7 Strategies to Mainstream Cross-cutting Issues

The sector will mainstream all cross cutting issues by educating the community on all cross-cutting issues. It has also incorporated gender, HIV/AIDS and environmental issues into its curriculum. It also enhances enrolment of the girl child through the free primary and secondary education. Support for the two schools for the children with disabilities will be emphasized. This sector directly deals with the youth by empowering them with the relevant knowledge, skills and attitudes, inculcating a culture of responsibility, hard work and accountability.

The county will endeavour to mainstream gender issues in the education and training by educating the populace on the importance of involving women, youth and other marginalised groups in decision making so as to secure parity in various sectors of the economy. The sector will also provide appropriate manpower training on environmental management, as well as provide a basis for mindset towards positive environmental management. Through the Public Health and Sanitation ministry, environmental issues are mainstreamed into the sector by promoting and enforcement.

7.5.8 Strategies to Mainstreaming Disaster Risk Reduction in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses in education sector such as: low school enrolments, ignorance on the importance of education, high dropout rates, low completion rates especially for girl child, inadequate funds to implement the education programmes and activities, inadequate physical facilities especially in youth polytechnics, poor

community knowledge on the importance of the vocational and other non-formal education, inadequate physical infrastructure like laboratories, home science rooms, ICT facilities, lack of adequate text books and other teaching aids, etc are addressed adequately by the county government. Sector strategies like rigorous campaign on literacy programme in the county through Barazas, seminars, establishment of boarding wings in primary schools in pastoral areas, development of programmes supporting girl child education in the county, promotion of mobile schools, increase and equip community learning resource centres for adult learners will be effective DRR mechanisms.

This should be done in line with the five HFA priorities for action identified for 2013 to June 2018; the sector must ensure that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and resilience at all levels. The sector must reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms.

7.6 Health Sector

The Health Sector comprises of Ministries of Medical Services, Public Health and Sanitation, Research and Development sub-Sectors.

7.6.1 Sector Vision and Mission

Vision: An efficient and high quality health care system that is accessible, equitable and affordable for every Kenyan

Mission: To promote and participate in the provision of integrated and high quality promotive, preventive, curative and rehabilitative health care services to all Kenyans”

7.6.2 County Response to Sector Vision and Mission

On health, the County will give a lot of emphasis to provide adequate, affordable, quality basic health care, improve the cost sharing revenue, provide physical infrastructure in the hospital, health centres and dispensaries and rehabilitation of existing health facilities. Health service management through competent and skilled staff at all levels of service delivery will be provided. Medical outreaches will also be emphasized in the hinterlands.

7.6.3 Importance of the Sector in the County

The sector is important in imparting knowledge and skills to improve management of social systems, change of mindset (attitude change) towards nurturing a cohesive and knowledgeable society, with a culture of tolerance, equity, nationalism, respect and value for life and basic human rights. Through health, the sector will ensure that the county has a healthy population with physical and mental capacities to participate effectively in achieving the mission of the county.

7.6.4 Role of stakeholders

Stakeholder	Role
Medium Term ASAL Programme (MTAP)	Sanitation (Provision of water tanks and construction of latrines)
Aga Khan Foundation	Support to Early Child Development Education Programme
Catholic Diocese of Garissa (CDG)	Construction of health and sanitation facilities, capacity building
African Inland Church	Capacity to pre-primary education; Support to construction of primary schools; providing health services
OPEC	Construction of laboratories for secondary schools
UNICEF	Support to girl child education, health services and construction of education facilities
Constituency Development Fund Committee	Construction and rehabilitation of health facilities.
World Food Programme	Provision of food for the school feeding programme and the supplementary feeding programme
Department of Education	Provide staff, infrastructure improvement, grants, and bursaries; HIV/AIDS and Health education
German Agro Action	Provision of water and sanitation facilities to schools and health facilities.
Maendeleo Ya Wanawake	Advocate for the right of women and the girl child and fight against FGM.
National AIDS Control Council	Fund HIV and AIDS activities in the county
UNFPA	Addressing reproductive health issues
CATHOLIC Missions of Hola, Wenje	Health education in areas of HIV/AIDS and sanitation
APHIA Plus	Support mobile VCT, capacity building and funding of

Stakeholder	Role
KEMSA	groups involved in HIV/AIDS, support of other health services.
Red Cross	Supply of drugs
County Health Stakeholders Forum	Distribution of relief foods and of medical supplies during emergencies and construction of latrines
Ministry of Public Health and Sanitation; Ministry of Medical services	Coordinate health activities in the County
	Provide personnel, funding and coordinate health activities

7.6.5 Projects and Programmes Priorities

On-going Projects/Programmes: Health

Table : On-going Projects/Programmes: Health

Project/Programme Name	Location	Objectives	Targets	Description of Activities
Immunization (KEPI)	Countywide	Increase immunization coverage	Increase immunization coverage from 41% to 70%; To immunise 2,000 children under five year per year by June 2018.	Routine immunization in existing facilities; Outreach; Sub-national immunization days; Active EPI surveillance activities Community sensitization.
Malaria Prevention and Control Programme	Countywide	Reduce prevalence of malaria; Reduce malaria pregnancy related complications	Reduce malaria prevalence by 10%; Reduce malaria pregnancy related complication by 10% by June 2018	Health education; Vector control; Environmental control; Treatment of the sick.
Reduce IMCI prevalence	Countywide	Reduce child morbidity; Reduce child mortality	Reduce child morbidity by 29% by the end of the plan period; Reduce child mortality by 5%; 50 Health Workers trained on IMCI by June 2018	Training of health workers on IMCI; Effective case management of childhood illness in fives.
TB control and care	Countywide	To reduce TB infection and TB related mortality	5,000 TB Patients treated, 1,000 of people trained on TB prevention, Certified type of	Training on TB prevention and care; provision of TB drugs.

Project/Programme Name	Location	Objectives	Targets	Description of Activities
			TB Drug procured by June 2018.	
Reproductive health programme	Countywide	Reduce morbidity and mortality.	100 Health Workers sensitized, 50,000 pregnant women sensitized and attended to, 20 health facilities with reproductive commodities and equipment by June 2018.	Updating health workers on reproductive health issues; Routine anti-natal and family Planning services; Equipping health facilities with reproductive health commodities and equipments.
Communicable Diseases Control/ Disease surveillance County Wide	Countywide	Reduce morbidity and mortality by 10% by June 2018.	500 Health Workers sensitized and trained on effective case management, 20,000 of communicable disease cases treated by June 2018.	Treatment of specific conditions; Health education prevention and control; Training of health workers on effective case management.
Nutrition Programme	Countywide	To reduce malnutrition; Increase monitoring of growth in the community; Increase proportion of women practicing exclusive breastfeeding; Improve uptake of iodine and other micronutrients.	25,000 of under fives on supplementary feeding, 20 facilities conducting growth monitoring, 100 established demonstration kitchen gardens, 500 homes visits.	Growth monitoring at facility level; Supplementary feeding for under fives; Establishment of demonstration kitchen gardens; Growth monitoring at community level; Home visiting; Macronutrients deficiency control; improved infant and child feeding.
Health Action Days/Integrated mobile health service outreaches	Countywide	Provide comprehensive health care services to the communities by June 2018	100 Health campaigns done; 2,000 villages/towns visited; 200,000 people treated by June 2018	Immunization; Treatment; Health Education; Cleaning exercise.
Construction of a VIP Latrine Bilisa/Garsen	Bilisa	To improve access to health services for Sera Community by June 2018.	A constructed VIP latrine by June 2018.	Tendering, Provision of a VIP pit latrine.
Ozi Dispensary Water Well Ozi/Garsen	Ozi	To provide access to clean water within the dispensary compound by 2015.	To rehabilitate the dispensary water well.	Distilling and equipping of the water well.
Health staff trainings and upgrading programme	County wide	To ensure that quality services are	90% of all the county health staff trained and	Training needs assessment has been conducted Scheduling and carrying out

Project/Programme Name	Location	Objectives	Targets	Description of Activities
		offered in all facilities by 2014.	skills upgraded by June 2018.	trainings
Scaling up of Community units	All wards	To increase the community access to basic health messages and interventions and improve nutritional status	Establishment of Ten Community units per financial year, Recruitment and training of 4 CHEWs and 50 CHWs per year	Sensitization of Communities to recruit CHWs Training and provision of kits to CHWs and establishment of CBHIS
HIV/RH/TB/MCH control and care	County Wide	To reduce TB infection and TB related mortality by 2015.	To reduce HIV/RH/TB infection and reduce MCH by 20% by June 2018.	Training on TB prevention and care; provision of TB drugs.
Completion Waldena Health Centre	Waldena	To improve access to health services by June 2018.	Waldena Health Centre Constructed by June 2016	Environmental Impact Assessment(EIA) Tendering, Construction, Supervision, Commissioning
Inspection of food sites	All Wards	To ensure that outlets comply with required sanitation and food safety standards	100% public food sites inspected and licensed annually.	Physical visits to facilities with checklists Licensing of qualifying facilities Closure of non compliant facilities
Provision of Refuse collection services in the urban areas	Kipini, Hola, Garsen, Bura, Madogo, Ngao, Bangale	To improve solid and liquid waste management	5 Refuse collection and garbage dumps provided for in Hola, Kipini, Garsen, Bura, Madogo, Ngao, Bangale by June 2014.	Site identification, Surveying, Demarcation, Carrying out Environmental Impact Assessments(EIAs) Commissioning.

New Projects/Programmes: Health

Table : New Projects/Programmes: Health

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Renovations of Hola Hospital- Outpatient, Inpatient, Theatre, Pharmacy	Hola	Low	To improve the infrastructure at Hola Hospital.	Hospital outpatient and inpatient renovated; Theatre, Pharmacy and compound renovated by	Procurement, Environmental Impact Assessment(EIA) Construction, Supervision.

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
				June 2015.	
Purchase of ambulances programme	Countywide	High	To increase referral services	15 ambulances, 1 per Ward by June 2018	Tendering, Procurement of the ambulances
Medical Specialists visits to referral facilities programme.	Hola(Chewani), Garsen South(Minjila and Ngao), Hirimani (Bura), Madogo (Madogo), Bangale (Bangale), Kipini East (Kipini)	Low	To improve service delivery at all the facilities.	12 visits done per year. 10,000 patients with special cases attended to by the specialists every year.	Procurement, Specialists Visits.
Construction of 5 Incinerator	Hola, Bura, Garsen, Kipini, Ngao.	Low	To provide safe disposal of medical waste.	5 incinerators constructed in the facilities by June 2016.	Environmental Impact Assessments(EIAs) Tendering, Constructions, Supervisions.
Construction of Mortuary at Hola	Hola	Low	To provide bodies preservation services.	1 Mortuary with cooling machines constructed by By June 2014.	Environmental Impact Assessment(EIA) Tendering; construction; equipping; staffing
Construction of 5 Mortuaries	Ngao, Garsen, Kipini, Bura, Madogo	Low	To provide bodies preservation services.	5 Mortuaries constructed in Ngao, Garsen, Kipini, Bura, Madogo by June 2018.	Environmental Impact Assessments(EIAs) Tendering; construction; equipping; staffing.
Upgrading of Bura Sub District Hospital- Maternity, Theatre, In Patient Unit	Bura	Low	To improve service delivery at all the facilities.	A maternity Unit constructed; A Functional Theater constructed	Environmental Impact Assessments(EIAs) Tendering; construction; equipping; staffing.
Increase ward space and introduce theatre services Garsen Health centre	Garsen	Low	Ward space increased and theatre services introduced at Garsen Health centre by June 2014	1 ward and theatre established and staffed by June 2014.	Environmental Impact Assessment(EIA) Tendering; Constriction; Equipping; Staffing.
Ward space increased and theatre services introduced	Garsen	Low	To establish and teaching and refereral hospital in	A level V hospital established at Minjilla by	Consultations with Ministry of health; Land Identification; Tendering; Constructionin; Equipping;

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
			the county; To improve medical services	June 2014.	Sataffing; Commissioning.
Renovations of existing health facilities.	Kipini HC, Charidende, Wenje, Nanighi, Pumwani, Galili, Haroresa, Meti, Oda, Chifiri, Bangali, Rhoka-Galole, Asako, KipaoAsako, mororo, Sera, Maziwa, Boka, Lenda, Walesorea, Wayu Boro	Low	To improve the infrastructure of the health facilities	20 health facilities renovated	Environmental screening Tendering, Renovation
Construct facilities in the following underserved regions	Mnazini Ngumu Vumbwe Gamagur Kau Odhole Madingo Kone Wadesa Korati Makere- Gwano Elrar Kinakomba Hara Hurara/ TanaSalt Ongonyo Rhoka- Bangale Titila Gururi Eka Ishirini Duwayo Gomesa Kibaoni Bura Kofira Hosingo Kalalani	Low	To improve medical services access in the underserved regions of Tana river county.	29 New Health facilities built, equipped and staffed in the underserved regions countywide by June 2018.	Site identification; Environmental Impact Assessments(EIAs) Tendering; Construction; Equipping;
Installation of standby generators	Ngao, Bura, Kipini, Madogo,Bura	Low	To ensure constant supply of power to all health	5 power generators procured and installed by June 2018.	Environmental screening Procurement of generators; Installation of the generators; maintainance of the generators.

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
			facilities.		
Electrification of public health facilities	Countywide	Low	To ensure constant supply of power to all health facilities.	50 health facilities connected with power by June 2018.	Identification of facilities that are not connected to power; electricity connection/solar power installation.
Purchase of Land Cruiser ambulances.	Bura, Hola, Garsen, Ngao	Low	To enhance ambulance services.	12 Land cruiser ambulances procured by June 2018.	Procurement of Landcruiser ambulances, hiring of emergency drivers, strategic allocation of ambulances.
Purchase of water ambulance	Landlocked Areas-Ozi, Kipini	Low	To enhance ambulance services in landlocked regions of the county	1 Motor boat procured by June 2018.	Procurement of motor boat, hiring of competent staff
Construction of Public Toilets in Urban areas.	Hola, Bura, Garsen, Madogo, Tarasa, Oda, Kipini, Bangale, Minjila.	Low	To improve human waste disposal by June 2018	9 Eco toilets built in all urban centres and handed over to Youth and Women groups to manage, No. of community members sensitized on proper toilets use.	Environmental screening Procurement, identification of the youth to manage the eco toilets, building of the toilets.
Design and construct sewerage and drainage systems in Urban Centres—Hola, Bura, Garsen	Madogo, Bura, Hola, Garsen	Low	To improve solid and liquid waste disposal by June 2018	4 urban centres have a sewerage and drainage system by June 2018.	Environmental Impact Assessments(EIAs) Designing of the sewerage system, Procurement, sewerage works, commissioning.
Identification of land for Cemeteries and crematoria	County Wide	Low	To promote proper human bodies disposal by June 2018.	1000 acres of land designated and gazetted for use as Cemetery/ crematoria in the entire county by June 2018.	Site identification, Surveying, Land Adjudication and Commissioning.
Integrating Nutrition status to school going youths	County wide	Low	1 To promote nutritional status of the school going children by promoting kitchen	3 kitchen gardens established, 3 Tree nurseries and wood lots, 3 poultry Units, 300	Coordination meetings; Initial contact meetings & MoU signing; Procurement of projects inputs; Development of Training materials ; Training on horticultural production, poultry production &

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
			gardening and Improved poultry(RIR) ; To transfer of agricultural knowledge and technology from school to the community	Hens & 60 Cockerels,3 Kerosene Incubators in 2 schools per sub county by June 2018	management, record keeping and marketing; Training on nutrition and hygiene; Training 4K officials on leadership and management; Construction of poultry housing; Vaccinations; Exposure visits; M & E; Reporting; Handing over.
Construct placenta pits in all health facilities	County Wides	High	To improve the quality of maternal health services.	Placenta pits constructed in all facilities by 2016.	Design, construct
To provide jigger management services and distribute nets	Garsen	High	To improve the health status of jigger infested populations by providing effective treatment by 2015, To distribute LLITNs by 2015 to control transmission of mosquito transmitted illnesses by 2014.	Jigger management chemicals bought and distributed, LLITNs distributed in 2014	Procure chemicals, Procure and distribute nets
Provision of CD 4 machine, laboratory networking	Hola Hospital	High	To improve access to HIV services including CD4 machines.	CD4 machine installed at Hola by June 2016	To procure machine for major facilities, lab networking
Construction of community toilets.	All Wards	Low	To provide safe disposal of human waste in all the villages.	100 toilets constructed by June 2018	Environmental screening, Designing of the toilets, identify and train self help groups to run them, Construction of the toilets.
Reproductive health programme for girls in schools.	County wide	High	To provide conducive hygienic conditions and education to	All primary and secondary schools sensitized on creation of	Formalization of partnerships with MOE, School health program strengthened

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
			pubertal girls in learning institutions	conducive environment for girls, School Health program implemented in all schools by June 2016	
Fencing of all public health facilities	County wide	Medium	To ensure demarcation and fencing of all facilities to assure security public health facilities by 2016	All facilities fenced by June 2018	Tendering; Procurement; construction of the fences
Bush clearing, tree planting	Hara, Bububu, Masalani, Kilindini, Mazuni, Maweni, Majengo	Low	To provide safe environment around dwellings by clearing bushes and planting trees using community strategy by 2016	200 trees planted in 7 settlements per season	Bush clearing done; Mobilize community using Community Health Workers

7.6.6 Cross Sector Linkages

The sector together with National AIDS Control Council (NACC) will collaborate in implementing the HIV and AIDS programmes. Provision of a clean and friendly environment is crucial for human resource development as it ensures a healthy and productive population. The physical infrastructure sector through its rural electrification programme will continue fast tracking electricity connection to education and health facilities.

7.6.7 Strategies to Mainstream Cross-cutting Issues

The sector will mainstream all cross cutting issues by educating the community on all cross-cutting issues. It has also incorporated gender, HIV/AIDS and environmental issues into its curriculum. It also enhances enrolment of the girl child through the free primary and secondary education. Support for the two schools for the children with disabilities will be emphasized. This sector directly deals with the youth by empowering them with the relevant knowledge, skills and attitudes, inculcating a culture of responsibility, hard work and accountability.

The county will endeavour to mainstream gender issues in the education and training by educating the populace on the importance of involving women, youth and other marginalised groups in decision making so as to secure parity in various sectors of the economy. The sector will also provide appropriate manpower training on environmental management, as well as provide a basis for mindset towards positive environmental management. Through the Public Health and Sanitation ministry, environmental issues are mainstreamed into the sector by promoting and enforcement.

This sector ensures health for all thus takes care of all special interest groups. Gender issues are also mainstreamed into the sector through enhancement of the reproductive health programme. The youth, women, men, people with disabilities, minority tribes will be represented in the County Health Stakeholders forum. The sector is also involved in providing drugs and other health services in times of disaster such as drought, floods and for internally displaced persons as well as providing supplementary feeding to children and PLWHAs.

7.6.8 Strategies to Mainstreaming Disaster Risk Reduction in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses in health sector such as: low immunization coverage, inadequate health facilities, inadequate health resource allocation from the government, poor transport network, high mortality especially expectant mothers and children, poor access to health service delivery point, use of un-prescribed drugs, inadequate skills on reproductive health, mortality rates, inadequate health personnel, inadequate health service equipments, etc are addressed adequately by the county government. The strategies involved would be to rehabilitate and equip existing health facilities, Government and development partners to allocate more resources to immunization services, enhance disease surveillance, training of communities on malaria control and other diseases, updating health workers on reproductive health and nutrition issues, promotion of health seeking behaviour, intensify integrated mobile health service outreaches, establish waste management systems and sensitization of the public on the importance of toilet/latrine usage.

This should be done in line with the five HFA priorities for action identified for 2013 to June 2018; the sector must ensure that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and resilience at all levels. The sector must reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms.

7.7 Governance, Justice, Law and Order Sector

The sub sectors include Provincial Administration and Internal Security; Office of the Vice President and Home Affairs; Justice, National Cohesion and Constitutional Affairs; State Law Office; The Judiciary; Ethics and Anti-Corruption Commission; Independent Electoral and Boundaries Commission and Immigration and Registration of Persons. Others are Commission for Implementation of the Constitution; Kenya National Commission on Human Rights and the Office of the Director of Public Prosecutions; National Police Service Commission; Gender and Equality Commission; Office of the Registrar of Political Parties; Witnesses Protection Agency and Independent Policing Oversight Authority.

7.7.1 Sector Vision and Mission

Vision

A secure, just, cohesive, democratic, accountable, transparent and conducive environment for a globally competitive and prosperous Kenya

Mission

To ensure effective and accountable leadership, promote a just, democratic and environment and establish strong governance institutions to empower citizens for the achievement of socio-economic and political development.

7.7.2 County Response to Sector Vision and Mission

In order to create an enabling environment that is conducive to sustainable development of all, the county will strive to promote democratic governance that is accountable and sensitive to its people. Emphasis will be put on promoting community participation in issues relating to development, governance and security.

In the administration of justice, efforts will be made to improve linkages among the police, courts, penal institutions and other stakeholders for quick conclusion of cases that are brought to court. The county will also strive to promote a secure, peaceful and conflict-free environment for socio-economic and political development.

7.7.3 Importance of the Sector in the County

The sector plays an important role in providing a stable environment for political, social and economic development of the county. Specifically, the sector focuses on providing security, ensuring good governance and accountability in public resources, rehabilitation, reintegration and resettlement of custodial and non-custodial offenders, mainstreaming of HIV/AIDS, gender and disability issues, providing migration services and maintaining law and order for its citizens.

7.7.4 Role of stakeholders

Stakeholders	Roles
Police, Judiciary, Prisons and Probation	The police and the judiciary will ensure that there is law and order; They will play the role of ensuring that offenders go to prison or are put under probation for rehabilitation.
Community	Providing information to the sector; Community policing and peace initiatives
Tana Peace Reconciliation and Development	Fund peace initiatives and committees in the county
NDMA	Fund peace initiatives and committees in the county
Peace Committees	Promotion of harmonious coexistence of communities in the county
Girl Child Network (GCN)	Supports follow-ups to cases related to child rights

7.7.5 Projects and Programmes Priorities

On-going Projects/Programmes: County Administration

Table :On-going Projects/Programmes: County Administration

Project/Programme Name & Location	Objectives	Targets	Description of activities
Peace Campaign Programme County Wide	Prevent ethnic conflict and promote peace.	One functional county peace committee by June 2015; Hold one peace campaign per month.	Form committee; Capacity building; Peace campaigns and workshops.
Community Policing Programme County Wide	To promote security.	Have community policing committees in each of the 45 locations by June 2018.	Form committees; Capacity build the committees.
Modern Communication Equipment at Hola, Bura, Madogo , Bangale Police stations	Ease communication	To put communication facilities in the stations mentioned by June 2018.	Purchase and install the modern equipments.
Base commander offices County Wide	Improve communication to boost security.	Construction of 6 Base commander offices by June 2017.	Construction of offices; Purchase of furniture.

Table : New programmes/projects: Police

Project/Programme Name	Location	Ranking	Objectives	Targets	Description of activities
Construct police posts	Asako, Waldena and Asa Kone	Medium	To promote peace, law and order.	3 police posts and patrol bases by June 2018	Build and equip the posts.
Purchase of police vehicles	All wards	High	To promote law and order.	45 police vehicles purchased by June 2016	Purchase of police vehicles.
Construct GK prison	Hola	Medium	To promote law	1 GK prisons	Construction of

			and order.	constructed by December 2015	GK prison.
Construct police station	Bangale	Medium	To promote law and order.	1 police station constructed by December 2015.	Construct a police station.

Table : New programmes/projects: Probation

Project/Programme Name	Location	Ranking	Objectives	Targets	Description of activities
Construct Boys Probation Hostel in the county	Hola	Low	Rehabilitate young boys in conflict with the law.	Boys aged 12yrs-16yrs	Construct hostel. Court committal orders. Intensive counselling services. Equip hostel with personnel and necessary facilities.
Construct a Girls probation Hostel in the county	Hola	Low	Rehabilitate young girls in conflict with the law	Girls aged 13yrs-21yrs	Construct hostel. Court committal orders. Intensive counselling services. Equip hostel with personnel and necessary facilities.
Construct a court at Bura	Bura	Low	Promote dispute resolution, law and order.	One court to serve Bura, Madogo, Bangale	Build and equip one law court at Bura.

7.7.6 Cross Sector Linkages

The sector will require very strong linkages with other sectors. The sector is linked to all the other sectors by providing security and ensuring there is law and order, a major ingredient for socio-economic development. GJLOS Reform Programme assists in building more effective institutions that are directly responsible in ensuring adequate security thus its linkage with the National Security sector. ICT will also assist in improving efficiency in service delivery in the Public Administration sector.

7.7.7 Strategies to Mainstream Cross-cutting Issues

The sector will work closely with other stakeholders in efforts to improve the quality of life through mainstreaming HIV/AIDS issues in their operations, engaging in behaviour change communication, protection of rights and access to justice for infected and affected people. The sector will continue to complement efforts of disaster management while working with NGOs and international organizations in coordinating disaster management and resource mobilization. During organized public barazas, the sector will be instrumental to inculcate a sense of nationhood and cultural integration.

7.7.8 Strategies to Mainstreaming Disaster Risk Reduction in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses in governance, justice, law and order sector such as: slow dispensation of justice, poor and slow response to conflicts, outbreak of animal and human diseases, droughts, floods, etc are addressed adequately by the county government. Some of the strategies will include: reducing illegal firearms in the hands of the public, address community conflicts and security, provide adequate resource and vehicles to the police force, deploy and train personnel, provide modern communication facilities to the police force e.g. radio and satellite telephones, rehabilitate and construct offices and staff quarters for stakeholders like police and peace committees. This shall be done in line with the five HFA priorities for action identified for 2013 to June 2018; the sector must ensure that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and resilience at all levels. The sector must reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms.

7.8 Public Administration and International Relations Sector

It comprises the Presidency and Cabinet Affairs Office, State House, National Assembly, Ministry of Foreign Affairs, and Ministry of State for Public Service, Finance, Devolution and Planning, Controller of Budget, Commission on Administrative Justice, Commission on Revenue Allocation, Kenya National Audit Office, Salaries and Remuneration Commission.

7.8.1 Sector Vision and Mission

Vision: A leading sector in legislation, public policy formulation, coordination, supervision and prudent resource management.

Mission: To provide overall leadership and policy direction in resource mobilization, management and accountability for quality public service delivery.

7.8.2 County Response to Sector Vision and Mission

In order to create an enabling environment that is conducive to sustainable development of all, the county will strive to promote efficient management of resources by installing high standards of financial discipline that focuses on value for money.

Emphasis will be put on community participation in issues relating to development planning. The county will focus on prioritization of programmes, resource allocation and management as well as overseeing the implementation, monitoring and evaluation of the public funded programs and projects. The CIDC, which is the county's resource centre, plays a crucial role in

economic development by providing the database for planning therefore there is need to renovate, equip and electrify the CIDC.

7.8.3 Importance of the Sector in the County

The sector is important in formulation, co-ordination, implementation of sound economic policies for sustainable development. The sector also ensures that there is efficient utilization of the resources in the county.

7.8.4 Role of stakeholders

Stakeholders	Role
County Treasury	Enhance accountable and transparent financial systems.
County Development Office	Ensure sound planning and follow up on monitoring and evaluation of the plan and other development activities; Managing the CIDC
Kenya National Bureau of Statistics	Co-ordinate data collection and dissemination.
Community	The community will play the role of providing information to this sector and initiating planning and implementation of development besides monitoring and evaluation.
Medium Term ASAL Programme (MTAP)	Support to devolution and demand driven investment

7.8.5 Projects and Programmes Priorities

On-Going Projects/Programmes: Planning & Devolution

Table : On-Going Projects/Programmes: Planning & Devolution

Project/Programme Name & Location	Objectives	Targets	Description of Activities
Expand and Equip Tana River Sub-County Information and Documentation Centre	To improve planning for development the community and operation of the CIDC; provide updated data in the district.	Equip the SIDC with ICT facilities by June 2015	Procurement of the computers, scanners, photocopiers in the SCIDC; Updating the data bank in the CIDC; Networking the computers in the CIDC and connecting to the internet
Community Empowerment Galole, Garsen and Bura	To strengthen the capacity of communities to participate in development activities.	Conduct at least 2 capacity building trainings annually in each sub-county by June 2018	Procurement of training venues; Training of community members; Report Writing
Social Intelligence Reporting Galole, Garsen and Bura	To provide a platform for the engagement of all stakeholders in social development so as to participate in the decisions concerning	Conduct at least 2 SIR exercises annually in each sub-county by June 2018	Field visits (Departmental, Facility and Community levels); Report writing;

Project/Programme Name & Location	Objectives	Targets	Description of Activities
	the planning, budgeting, reporting and accountability for equitable and judicious utilization of public investments in the social pillar of the vision 2030.		
Monitoring and Evaluation County Wide	Ensure proper implementation of projects and programmes.	To conduct quarterly; participatory monitoring and evaluation; To produce 5 annual; monitoring and evaluation reports by June 2018.	CPMEU meetings; Monitoring and Evaluation visits. Monthly CEC meetings; Quarterly CDC meetings; Evaluation assessments after every two years.

New Projects/Programmes: Planning

Table : New Projects/Programmes: Planning

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Bura sub-county planning unit	Bura	High	Improved planning & development services in Bura	A sub county planning unit by December 2014.	Site identification, preparation of architectural plans, Environmental Impact Assessment (EIA) for the planned extension; bidding (procurement), Construction of the sub county unit.
Feasibility and Rural Appraisal Studies County wide	County wide	High	Enhance proper project identification and management.	Carry out studies twice a year.	Mobilization; Data collection; Development of Community Action Plans.
Establish and equip ward planning unit	County wide	High	To enhance public participation in county planning activities	To construct and equip 15 ward planning units in the whole county by June 2017	Identification of the site; Environmental Impact Assessment (EIA) for the planned extension; Procurement; Equipping; Staffing of the ward planning unit
Capacity building of county head of departments	County wide	High	To enhance capacity of the county heads in various fields of planning	40 county heads capacity build every year	Training, Recruiting the participants, Training needs assessment
County statistical survey	County wide	Medium	To enhance development planning in the county.	Detailed and accurate County statistics on	Baseline survey; Correlate and analyse data collected.

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
				population and other vital statistics by June 2015.	

New Projects/Programmes: Finance

Table : New Projects/Programmes: Finance

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Activities
Enhancing & protecting revenue collection	County wide	Medium	To maximize revenue collection	Collection of more than Ksh40M annually	Mapping & audit of existing process and procedures of revenue collection and sources; Identify revenue leakages; Sealing off the leakages; Automation of water billing, toll station/weigh bridges and trade licensing
Tana Investment Board	County wide	High	Improve the county investment climate	Have the county investment board by December 2014 (enact legislation).	Resource mapping for the entire county; Preparation of the county investment catalogue; Reviewing of current investments
Inter county socio economic Integration committee	County wide	High	To enhance Socio economic integration with other counties.	Integration and socio economic partnership arrangements by June 2015	Inter county visits, joint ventures, harmonization of development and business plans
Mapping of the income generating projects	County wide	Low	Increase sources of revenue for the county government	Undertake resource mapping in the whole county by June 2015	Drawing a workplan; profiling of the income generating; making of an inventory
Automation of revenue collection system	County wide	High	To curb loss of revenue through corruption	To establish and operationalize an automated revenue collection system by June 2015	Designing of the system; Procurement; Training of the users.
County baseline survey – countywide	County Wide	Medium	To develop baseline information data for the county	County baseline data developed by June 2014	Development and testing of tools, training of field officers, data collection (field visits), data analysis, report writing, dissemination of data,

7.8.6 Cross Sector Linkages

The Public Administration Sector plays a leading role on financial and public sector policies enforced by the government to enhance effective and efficient service delivery through effective management and development of human resources in the public sector, effective implementation and proper management of programmes and projects and formulation and implementation of economic, fiscal, monetary policies as well as mobilization, management and control of public resources hence, its linkage with all the other sectors.

7.8.7 Strategies to Mainstream Cross-cutting Issues

Intensive efforts will be made to mainstream cross cutting issues such as of gender, HIV and AIDS, other vulnerable groups and environmental concerns to the MTEF planning and budgeting process and advocating for resource allocation to these issues. The CDC will also monitor the implementation of the various strategies on cross cutting issues.

7.8.8 Strategies to Mainstreaming Disaster Risk Reduction in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses in public administration and international relations sector such as slow dispensation of justice, poor and slow response to conflicts, outbreak of animal and human diseases, droughts, floods, poor networking with international organizations, lack of solid PR team, etc are addressed adequately by the county government. Some of the strategies will include: opening up a communication link with Tana River County members in diaspora, active social media sites for regular dissemination of information, setting up a strong PR team to market the county, have a county ombudsman, etc. This should be done in line with the five HFA priorities for action identified for 2013 to June 2018; the sector must ensure that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and resilience at all levels. The sector must reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms.

7.9 Social Protection, Culture and Recreation Sector

The Social Protection, Culture and Recreation Sector is made up of the following five inter-related sub-sectors namely: Gender, Children and Social Development; Special Programmes; National Heritage and Culture; Youth Affairs and Sports; and Development of Northern Kenya & other Arid Lands.

7.9.1 Sector Vision and Mission

The sector vision and mission are:

Vision: Sustainable and equitable socio-cultural and economic empowerment of all Kenyans.

Mission: To formulate, mainstream and implement responsive policies through coordinated strategies for sustained and balanced socio-cultural and economic development of the country and empowerment of vulnerable and marginalised groups and areas.

7.9.2 County Response to Sector Vision and Mission

In the county there will be efforts to enhance the community capacities for self reliance and greater participation in the development process through community mobilization, initiating and supporting community based development programmes with particular emphasis on women, children, older persons, youth, persons with disabilities, the poor, internally displaced persons and other disadvantaged groups. This will be done through social grants by the Gender and Social Development Department, the Youth Enterprise Fund, Women Enterprise Fund and community driven development and support to local development components of national Drought Management Authority. There will also be various interventions on drought preparedness, mitigation against drought effects, provision of relief food and reconstruction.

On sports development, the county focus will be training and empowering local communities on participation in implementation of sports activities as well as carrying out sports festivals and exhibitions. Efforts will also be put in facilitating the development, management, maintenance and expansion of sports facilities.

The county will also increase its efforts in including women, youth, the Persons with Disabilities, People Living with HIV/AIDS and other disadvantaged groups in decision making organs such as the County Development Committee and County Steering Group among others.

The major projects in the sector are registration and capacity building of groups, mainstreaming gender, people with disabilities (PWD) issues in all sectors of development, social development grants, women enterprise fund, constituency youth enterprise fund and model youth polytechnic as a centre of specialization

7.9.3 Importance of the sector in the county

The sector is important in ensuring proper disaster management, promoting equality and equity in development; empowering the youth through sports and other development activities; enhancing provision of basic services. The sector is very crucial in building the capacities of communities and community institutions as well as providing an enabling environment to allow diversification of rural economies. The sector is also important in integration of various

concerns in terms of gender, age, disability and other disadvantaged groups in all aspects of national development including decision making.

7.9.4 Role of stakeholders

Stakeholder	Role
Catholic Diocese of Garissa (CDG)	Capacity building on gender issues and harmful cultural practices; advocate for the rights of the child
UNICEF	Advocacy against harmful cultural practices as well as capacity building; Advocate for the rights of the child
World Food Programme	Provision of food for emergencies
Proposed County Development Committee	Mainstreaming gender, youth, disability, OVC and other disadvantaged groups issues into development programmes
Children’s Department	Protection of the rights of children
Nelly Children’s Home and African Muslim Agency	Supporting orphans and vulnerable children
APHIA Plus IMARISHA	Community strategy for health
National AIDS Control Council	Support OVCs and People Living with HIV/AIDS; Co-ordinate HIV/AIDS activities
Tana Peace Reconciliation and Development	Promotion of peace and reconciliation, capacity building and advocacy against harmful cultural practices, support institutions of persons with disabilities
Tana Women for Peace and Development	Promotion of peace and Reconciliation’ capacity building and advocacy against harmful cultural practices, HIV/AIDS activities
UNFPA-United Nation Fund for Population Activities	Mainstreaming gender issues
Maendeleo ya Wanawake Red Cross	Advocate for the rights of women and the girl child Distribution of relief foods and of medical supplies during emergencies and capacity building on disaster management
National Council for Persons with Disability	Enhance capacity of persons with disabilities institutions and individuals
Ministry of Education	Support educational institutions for People with

Stakeholder	Role
	Disabilities

7.9.5 Projects and Programmes Priorities

On-going Projects/Programmes: Gender and Social Services

Table : On-going Projects/Programmes: Gender and Social Services

Project/Programme Name & Location	Objectives	Targets	Description of Activities
Gender office Blocks Bura, Garsen, Hola	To ensure efficient and effective service delivery	3 Gender office blocks by June 2018	Site identification; Environmental Impact Assessments (EIAs); procurement; contracting and construction
Multi-purpose social halls Bura, Garsen, Hola	To harness, develop and provide a venue for talent exhibition among women and youth.	Three Multi-purpose social hall	Site identification; Environmental Impact Assessments (EIAs); processing of BQ's procurement plans; contracting; construction
Registration and capacity building of groups. County wide	To empower 200 groups and ensure group cohesion for sustainable development by June 2015.	Capacity build 200 groups by June 2015	Mobilization; Organize workshops and seminars.
Mainstreaming Gender, PWD issues in all sectors of development. County wide	To ensure the 30% affirmative action is attained by June 2018	Ensure at least 30% affirmative action is attained in all development committees by June 2017.	Workshops and seminars on gender related issues such as girl child education, FGM, 30% affirmative action circular; Workshop and seminars on dissemination of the Disability Act.
Strengthening social development structures County wide	To ensure proper co-ordination of social service activities by June 2014	Have 1 Social Development Committee in each ward by June 2014.	Mobilization and setting up of committees.
Social Development Grants County wide	To promote socio-economic development to vulnerable groups annually.	Provide grants to at least 2 groups per ward per year.	Sensitization on the availability of funds; Proposal vetting; Funding; Monitoring and evaluation.
Women Enterprise Fund County wide	To promote socioeconomic development among women annually.	Ensure 20 groups in each division benefit from the fund every year.	Sensitization on the availability of funds; proposal vetting; funding; monitoring and evaluation.
People with Disabilities Project County wide	To ensure equity and equality in development by June 2018.	Set up disability committees in 15 wards by June 2015; Initiation of Income Generating activities for PWDs annually.	Mobilization; Registration; Capacity building; Funding.
Older persons cash transfer	To reduce vulnerability	Remittance of cash to	Mobilization;

All wards	of older persons by June 2018	200 older persons per ward annually	Registration; Capacity building; Funding.
Persons with severe disability cash transfer	To reduce vulnerability of persons with severe disability by June 2018	Remittance of cash to 15 persons with severe disability per ward annually	Mobilization; Registration; Capacity building; Funding
County wide			
Provision of grants to women and youths	To empower women and youth groups economically by June 2018	Remittance of grants to 2 women groups and 2 youth groups per ward every year	Mobilization; Registration; Capacity building; Funding
County wide			

New Projects/Programmes: Gender and Social Services

Table : New Projects/Programmes: Gender and Social Services

Project/Programme Name	Location	Priority Ranking	Objective	Targets	Description Of Activities
Gender office blocks	Bura, Garsen, Hol a	High	To ensure efficient and effective service delivery by July June 2018	3 gender office blocks constructed by July June 2018	Site identification Environmental Impact Assessments (EIAs) Procurement Contracting and construction
Multi-purpose social halls	Bura, Garsen, Hol a	Low	To harness, develop and provide avenue for talent exhibition among women and youth	Three multi-purpose hall constructed by July June 2018	Site identification Environmental Impact Assessments (EIAs) Procurement Contracting construction
Stengthening social development structures	County wide	High	To ensure proper coordination of social service activities by June 2014	Have functional social development committees in each division, sub-counties and county by June 2014	Mobilization, Setting up the committees
Gender based violence coordinating unit in all division	County wide	Medium	To ensure proper and fast coordination of gender based violence issues by July June 2018	Have functional and equipped gender based units by June 2018	Formation of gender based violence committees construction of the units Identification of volunteer to run the offices Training, seminars
Drug abuse rehabilitation center/units and Drug abuse control Act	Hola, Garsen, Bura	Low	To rehabilitate drug abusers and reduce impact of drug and other substance usage at the	Establish units at the divisional or constituency level and enact legislation by June 2015	Establish the units Construction of the rehabilitation centres Training Creation of

Project/Programme Name	Location	Priority Ranking	Objective	Targets	Description Of Activities
			grass roots level		aweranness on drug abuse
Cohesion and intergration programme for peace for women and youth wenje and kipini	Wenje, Kipini	Low	To inculcate sense of togetherness among women and youth by july June 2018	Communities living in peace	Seminars Peace committees formation Start activities to enhance peace
Audit programme on inclusion and participation of women from grass roots in all county development programmes	County wide	Low	To collect gender disaggregated data from all the development sectors by June 2018	Enhance collection of disaggregated data by June 2018	Collect data Create awareness Training of enumerators
Tours and exchange visits for women to other parts of the country	County wide	Low	To create an enabling environment for women to exchange experience and learn from others	2 exchange visits to other counties per year	Organize for the visits
Role modeling and mentorship programmes for women and the girl child	Wenje, Hola	Low	To create awareness and motivate women and the girl child to succeed in life	2 seminars and 2 exchange visits organised per sub-county per year	Organize seminars and exchange visits
Ramp assessment for persons with disability	County wide	Low	To ensure persons with disability access all offices in the county by June 2018	All public offices within the county are accessible to persons with disability by June 2018; Enact legislation on access to all public institution by june 2015.	Create awareness Seminars Meetings

New Projects Projects/Programmes: Children

Table : New Projects Projects/Programmes: Children

Project/Programme Name	Location	Priority ranking	Objectives	Targets	Description of Activities
Children Office Blocks	Galole, Garsen and Galole	High	To ensure efficient and effective	3 Children office blocks by June 2018	Site identification; procurement; Environmental Impact Assessments (EIAs); contracting and

Project/Program Name	Location	Priority ranking	Objectives	Targets	Description of Activities
			service delivery		construction
Child protection centre	Galole	High	To protect children from abuse and exploitation and	One child protection centre to be operational by June 2017	Site identification Processing of BQs Tendering process Training of officers to man the child protection centre
Create awareness on child rights and child protection in the county	Bura, Galole, Tana Delta	High	To protect all children in the county from abuse, neglect and exploitation	To reduce cases of Child abuse in the county by 50% by June 2018; 10,000 children to participate in Day of African Child, World orphan day and universal day of children celebrations annually by June 2018	Carry out sensitizations forum, trainings on children Act, 2001, children participate in Day of African Child, World orphan day and universal day of children celebrations
Campaign against harmful cultural practices i.e. early marriages/early pregnancies and female genital mutilation	Bura, Galole, Tana Delta	High	To safeguard the rights of the girl child	To reduce cases of girls dropping out of school due to early pregnancies /marriages and FGM by 50% by June 2018	-Carry out sensitizations forums and trainings on children Act, 2001 and FGM Act. -Organise for exposure visit to Narok and Meru to encourage alternative rite of passage for our girls
Support Charitable children institutions	Galole	Medium	To provide alternative family care for orphans	To provide 20 orphans with food, education, clothing and shelter annually by June 2016	Conduct training for service providers on CCI regulations Supervise and inspect charitable children institutions Register CCIs
Carry out child rescue programme	Bura, Galole, Tana Delta	High	To protect children in the county from abuse, neglect and exploitation	To rescue 200 children from early marriages by June 2016	Prosecute child abusers Train girl child on life skills
Upscale cash transfer for Orphans and vulnerable children	Bura, Galole, Tana Delta	High	Provide social protection to orphans and vulnerable children	To support 7,420 HHs with orphans in the county by June 2018; To increase enrolment and retention of	Conducting spot check monitoring and evaluation visits to beneficiaries Coordinate bi-monthly payments of CT-OVC in 21 locations

Project/Programme Name	Location	Priority ranking	Objectives	Targets	Description of Activities
				orphans in school by 50% by June 2018	
Child protection programme	Bura, Galole, Tana Delta	High	To protect children in the county from abuse, neglect and exploitation	To empower 4,000 children in Tana River county to demonstrate confidence to challenge culture of violence by June 2018; Reduce dropout rate of girls from schools by 20% to ensure progress in gender parity in education by June 2018.	Provision of psychosocial support and interventions to children in need of care and protection Hold peace and reconciliation meetings Chair meetings of all service providers in the county

On-going Projects/Programmes: Youth Development

Table : On-going Projects/Programmes: Youth Development

Project/Programme Name & Location	Objectives	Targets	Description of Activities
Constituency Youth Enterprise Fund County Wide	To empower 20 youth groups economically by establishing a revolving fund loan system by June 2015.	Give loans worth Kshs. 50,000 to 20 youth groups each financial year.	Provide loans to groups.
Youth Enterprise Development Fund County Wide	To empower 120 individual youths economically by providing loans with low interest rate by June 2015.	Loan individual youth loans worth Kshs. 6 million per year through a financial intermediary.	Identify financial intermediaries; Disburse funds.
Youth and Development programmes County Wide	Enhance youth involvement in various spheres of development by conducting 50 capacity building forums by June	Conduct at least 10 youth capacity building forums every year.	Community based campaigns on HIV/AIDS and other health related issues, Crime and drugs use, education, network creation, leisure,

	2015.		recreation on community service, information.
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New Projects/Programmes: Youth Development

Table : New Projects/Programmes: Youth Development

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description Of Activities
Complete the construction of two(2) youth empowerment centers (YEC)	Garsen Hola	High	To increase the number of youths with life skills by 20% by June 2015.	To complete the construction of the two (2) youth empowerment centers at Garsen and Hola by June 2015	Environmental Impact Assessments (EIAs); Tendering for the Construction of the Second and Third wings of the YECs at Hola and Garsen
Equip the Hola and Garsen youth empowerment centers	Hola, Garsen	High	To increase the number of youths with life skills by 20% by June 2016.	To equip the two(2) empowerment centres at Garsen and Hola by June 2016.	Tendering for the purchase of equipments and furniture for the YECs. Operationalize the youth empowerment centers at Garsen and Hola.
Construct one (1) youth empowerment center at Bura	Bura	High	To increase the number of youths with life skills by 20% by June 2015.	To construct a youth empowerment centre at Bura by June 2015	Environmental Impact Assessments (EIAs); Identification of land Development of drawings and Bills of Quantities (BQs). Sale of tender Documents Award of tenders Train 7200 youth at Bura Hola Garsen
Develop a skills inventory for all out of school youth.	County wide	High	To establish a skills data base for all out of school youth in the three sub counties by June 2015	To assess the skills of at least 1,500 youth in every sub county by June 2015	Conduct three(3) skills survey each 4 in every sub county

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description Of Activities
Promotion of economic empowerment among youth	County wide	High	To increase the number of self employed youths by 20% by June 2018.	To engage 7,200 youth in an income generating activity by June 2018.	To engage 2400 youth in each of the three(3)sub counties of Bura, Hola and Garsen
Job creation for youths	County wide	High	To increase the number of employed youths by 20% by June 2018.	To engage 480 youth per ward per year In “Trees-for-jobs “program in the three sub counties by June 2018.	Plant and nurture 960,000 trees in the three sub counties in Tana River county
Develop a labour export scheme for the youth	County wide	High	To increase the number of employed youths by 20% by June 2018.	To identify three hundred (300) youth for labor export; To build a loan facility for the qualifying youth in the labor export program by June 2018	Identify the one hundred youth to be engaged in the labor export scheme from each sub county.

New Projects/Programmes: Sports

Table : New Projects/Programmes: Sports

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Youth Sports Centres (Sports Academies)	Bura, Hola, Garsen	Low	To identify, harness, develop and promote sports talent among the youth by June 2018	To recruit 180 youth below the age of 14 into sports centres in each sub-county by June 2018.	Professionally train the youth in soccer and volleyball in the sports centres; Carry out coaching clinics for the coaches; Equip centres with sports equipment
Construction of Stadium	Hola, Bura, Garsen	High	To ensure that 5 different fields/courts are centralised for easy access by the youth by June 2018	Construct 1 stadium with 5 fields/courts of 5 different activities in a centralised area by June 2018	Site identification; Rehabilitation or expansion of existing fields/courts.
Construct a Gymnasium	Hola	Low	To promote the introduction of 5 indoor games by June 2018	Construct to completion 1 gymnasium and introduce 5 indoor activities by June 2018	Site identification; Coordinate construction; Oversee its operationalization.
Construction of a sports talent academy	Garsen, Kipini,	High	To nurture youth sports talent at an early age	1 sports talent academy constructed in each sub county by June 2018	Recruiting of qualified sports personnel; Recruiting of youth; Identification of land; premises; Building of talent academy premises
Construct modern grounds	All wards	Low	To nurture youth sports and talent	15 modern multi-purpose sports grounds constructed by June 2018	Identifying land; Environmental Impact Assessments (EIAs); Drawing procurement plans; Overseeing construction process.

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Train team managers, coaches, referees and members	All Wards	Medium	To ensure proper sports management in Galole sub county	Train 10 team managers per Ward by June 2018	Venue identification; Identifying of facilitator;
Upgrade sub-county and ward sports grounds	All Wards	Medium	To improve sports participation in the county	Upgrade 45 existing grounds; 3 per ward by June 2018	Identify land; Environmental Impact Assessments (EIAs); draw procurement plans.
Fencing of play grounds with enough security personnel	Bura, Garsen, Galole	High	To ensure ground facilities are safe	Fence 45 sports grounds by June 2018	Procure contractor; Identify grounds to be fenced
Provide sports kits	All Wards	Medium	To ensure sports teams are well kitted and equipped	10 Sports teams to be provided with sport kits in each Ward by June 2018	Identify needy sports teams; procure spots kits; distribution of the sports kits.
Sponsor teams	All Wards	Low	To provide teams with required resources to start off.	2 existing teams per ward to be provided with partial sponsorship annually	Identify needy teams; capacity build the teams;
Provide grants to teams (Transport and meals)	All Wards	Medium	To ensure that needy teams without sponsors compete on a level play ground with the rest	Provide 20 teams with transport and meal grants by June 2018	Identify needy teams; calculate amount of grant to be offered.
Upgrade Kilimo Grounds and Upgrade fields of Villages 1 to 12.	Bura	Medium	To make the field more conducive and safe for sports activities; To ensure locals have fields to participate in sports near them	Upgrade Kilimo grounds to accommodate 5 other sports by June 2018; Upgrade 1 village field in each of the 12 villages by June 2018	Identify contractor; clear land; Identify grounds to be upgraded; identify contractor;

On-going Projects/Programmes: Special Programmes

Table :On-going Projects/Programmes: Special Programmes

Project/Programme Name Location	Objectives	Targets	Description of Activities
HIV/AIDS County Wide	To reduce the spread of HIV and AIDS; Improve the quality of life of those infected and affected and mitigate against the socioeconomic impact of the epidemic in the county.	Reduce prevalence of HIV/AIDS by 50% by June 2015.	Promotion of counselling and testing and provision of VCT, PMTCT services, mobile VCTs, behavioural change campaigns; Care and support for the infected and affected through, comprehensive care for the infected, provision of ART services; mitigation against socio- economic effects HIV/AIDS through support to OVC and PLWHA care and co-ordination of HIV/AIDS activities.
Long Term Food Security programme County Wide	To enhance food security in the county by June 2015.	Reduce population relying on relief food by 60% by 2015.	Support agricultural, livestock, water and irrigation projects; Distribute relief food.

New projects/programmes: Special Programmes

Table : New projects/programmes: Special Programmes

Project/Programme Name	Location/Ward	Priority Ranking	Objectives	Targets	Description of Activities
Enhanced Resilience to Disaster Risk, Conflict and Climate Change for Tana River County	Walestokocha, Bilbil after survey	High	Increased capacity to cope with conflict and disaster risks through improved food security, Restoration of lives and livelihoods of communities living along river Tana basin by June 2018	Construction of 10 of 100m cubic check dams along seasonal <i>lagas</i> that drain to river Tana by June 2018	Feasibility study, Including EIA Design, BoQ development & Tendering, Construction ; M & E Provision of access to water; Improve minor irrigation schemes Capacity building on fodder production
Flood mitigation and interventions/ Emergency response to disaster	River Tana Basin	High	Mitigate the effect of floods in the County	10 speed boats purchased/hired, 30 boat crew trained by June 2018	Identification of boat owners and boat crews; Training of boat crews; Procurement of new boats; Responding to flood emergencies by rescue teams
Construction of foot bridges	Odha, Onwardei-Manono, Buranane, Golbanti-Burakarachi,	High	Access across river Tana and mitigate	Construction of 10 foot bridges along river Tana basin by June	Feasibility study, Design, BoQ development, Environmental

Project/Programme Name	Location/Ward	Priority Ranking	Objectives	Targets	Description of Activities
	Kipao-Ngao, Khorlabe/Warera. (Others to be identified)		crocodile attack against school children by June 2018 Enhance livelihoods through increased service delivery by June 2018	2018.	Impact Assessments (EIAs), Tendering, Construction M & E
Construction of dykes along weak banks of river Tana	Along river Tana	High	Save lives and enhance livelihoods of agro pastoral communities along river Tana and enhance food security by June 2018	Construction of 10 of 100 m cubic dykes along river Tana by June 2018	Feasibility study, Design, BoQ development & Tendering, Construction, M & E
Establish, Strengthen and support County Steering Group, Sub-County Steering groups and Ward Steering Groups ; Establish, Strengthen and support County sectorial sub-committees	County, Sub-Counties, and Wards Levels	High	To strengthen coordination of drought early warning, food security assessments and response mechanism for disaster management at county level	Steering groups established at County, Sub-Counties and Wards Levels by June 2015	Harmonization of structures at county and ward levels, Review of contingency plans, undertake food security and response mechanism, Monthly & Quarterly meeting, Constitute a technical committee for immediate action,
Provision of relief food to drought vulnerable households	All wards	High	To reduce and mitigate drought and flood vulnerability and promote healthy workforce by June 2018	10,000HHs reached every year	Baseline survey/SRA/LRA , Stakeholders coordination, Community mobilization & targeting, tendering, distribution,
Resilience Building through Natural Resources Management: Food Assistance for Assets (FFA)	All Wards	High	To harness rainwater for food and fodder production and for drinking (by	5,000 households (30,000 people) provided with food and appropriate tools in return for 12 days of labour	water ponds and surface dams, Terracing and zai pits conserve land by increasing water conservation

Project/Programme Name	Location/Ward	Priority Ranking	Objectives	Targets	Description of Activities
			livestock and human) through food for-assets (FFA) and to improve nutrition status of the community	per month	increases productivity, Small irrigation systems sustain food production during the dry spells. Soil conservation increases ground water recharge making it readily available for boreholes, wells and springs.
Sinking of boreholes, rehabilitation, repair and or construction of shallow wells	All Sub-Counties	High	To reduce and mitigate drought and flood rehabilitation vulnerability and enhance climate change by June 2018	10 boreholes, 100 shallow wells sunk by June 2018	Baseline survey, Stakeholders coordination, Community mobilization & targeting, Environmental Impact Assessments (EIAs), tendering, distribution,
Restocking & destocking program	All Sub-Counties	High	To reduce and mitigate drought and flood vulnerability and enhance livelihood diversification climate change by June 2018	10,000HHS reached by June 2018	Baseline survey, Stakeholders coordination, Community mobilization & targeting, tendering, distribution, Technology transfer
Build community resilience to disaster	All Sub-Counties	Medium	To reduce and mitigate drought and flood vulnerability and enhance climate change by June 2018; To improve access of water to farmers and livestock by June 2018	50 Hay barn stores and seed stores constructed by June 2017, 6 Malkas (watering routes) designated by June 2017; 10,000HHS acquire drought tolerant livestock (3 goats, 2 camel & 2 cows) by June 2017; 3 grazing blocks rehabilitated with watering points by June 2018	Baseline survey, Stakeholders coordination, Community mobilization & targeting, tendering, distribution, Construction of hay barn stores and seed bulking for drought preparedness; Identify and develop Malkas; Provide/construction of water storage facilities; Support household acquire

Project/Programme Name	Location/Ward	Priority Ranking	Objectives	Targets	Description of Activities
					drought tolerant livestock e.g. Goats, camel ; Range land rehabilitation and pasture preservation; River bank management
Provision of contingency fund for drought response	All Sub-Counties	High	facilitate system of drought contingency planning and financing in response to drought risks	50,000HHs reached by June 2017	Community feedback meetings, Trigger early warning systems, CSG coordination meetings for approval, National KFSSG coordination meetings Approval
Responding to other disasters e.g. fire outbreak, in towns, market centres, pasture land, and households	All Sub-Counties	High	Enhance disaster preparedness and response systems during disasters	3 vehicles mounted with firefighting equipment (for each sub county) and three motorcycles by June 2017	Tendering and procurement, response to fire disasters; Establishment of fire brigade at special program and coercion office; Provision of fire fighting equipment i.e. fire fighting equipment mounted on a lorry/fire engine & a four wheel drive for each sub-county; Auxiliary /portable fire fighting equipment.
Establish, strengthen and support County Peace Committees, Sub- County Peace Committees and Ward Committees, Peace Elders, Women for Peace, Youth for Peace and	All Sub-Counties	High	Enhance peace, security and immediate response to conflict in the county by June 2018.	Peace committees strengthened and supported by June 2018	Harmonization of structures at national, county and community levels, Monthly & Quarterly meeting, Constitute a technical committee for immediate action, Support sports for peace competition

Project/Programme Name	Location/Ward	Priority Ranking	Objectives	Targets	Description of Activities
Support to Rapid Response activities					for the youth, Promote , support peace and security in the county
Enhance reconciliation and peaceful coexistence	All Sub-Counties	High	Peace building , reconciliation and coexistence of communities in Tana River and bordering counties	3 Sub-Counties, and 15 Wards; 12 peace meetings done/ sub-county annually; 5,000youths trained;2,000 community leaders trained annually; 1 community tournament/festival per year;	Conduct appropriate peace transformation training for each ward targeting Youth groups, WG, and CBOs; Train of community leaders at all levels (Ward, Sub-county and County); Conduct peace meeting twice monthly in each Sub-county; Conduct Sub-County peace tournament/festival quarterly
Mapping of security risk areas in the county	Hotspots in all sub counties	High	Enhance quick response and to develop the necessary infrastructure for response and mitigation	20 Youth groups in the 3 sub-counties reached by June 2017	Support sports for peace competition for the youth,
Purchase of 4-wheel drive vehicles and motorbikes for conflict rapid response for County peace committees	County and Sub-county headquarters	High	Enhance peace, security and immediate response to conflict in the county by June 2018.	4 wheel drive vehicles (1 for County and 3 for Sub-counties) 15 motorbikes (1 for each ward) by June 2018.	Tendering, purchase and distribution of vehicles, Purchase and distribution of fuel to sub-counties Capacity building, Rapid response, Reporting
Community mobilization and development of voluntary weapon collection of small arms campaigns	Countywide	Medium	To reduce violence, conflict in the county and coexistence of neighboring communities by June 2018	15 wards reached by June 2018	Sensitization of communities on the objectives, Monitoring Establishment of alternative activities for youth and communities, Promotion of Income

Project/Programme Name	Location/Ward	Priority Ranking	Objectives	Targets	Description of Activities
					Generating Activities
Establishment and construction of rescue centers	All Sub-Counties	High	To enhance the stock piling of equipment's for emergency response by June 2018	3 Sub-Counties (each per sub county) Assembly points established; Evacuation centers established; equipment's bought; contingency; contingency/ piling of assets	Identification of site; tendering and procurement; construction and fencing; equipping of the center; sensitization on disaster e.g. assembly points; contingency/ piling of assets
Build capacity of communities and stakeholders on Drought Risk Reduction, Climate Change adaptation, Social Protection and Ending Drought Emergencies (EDE)	All wards	High	Mainstream Drought risk Reduction, Climate Change adaptation, Social Protection and Ending Drought Emergencies (EDE)	Develop DRR action plan per ward by June 2017	County and community planning, Train community stakeholders and staff in all sectors,
Substance and drug abuse interventions	County level	Medium	To reduce addiction to drugs and promote healthy productive youths for sustainable development by June 2018.	5,000 youths capacity build on skilled trades; 3 rehabilitation centers built by June 2018	Identification of vulnerable persons, Capacity building, Construction of a rehabilitation center, Provision of skilled trade activities e.g. tailoring, masonry, interlocking brick making.
Establish, strengthen and support County Aids Control Committees	County, Sub-County and Ward levels	High	To improve livelihoods of vulnerable through training and capacity building	County; 3 Sub-County; 15 Wards	Formation of project committees; training and capacity building Mobilization of target/ PLWHAs ; monthly and quarterly meetings
Support for PLWHAs in the county	All Sub-Counties	High	To promote livelihoods of vulnerable communities through	3,000HHs supported by June 2017	Identification of vulnerable persons, Capacity building,

Project/Programme Name	Location/Ward	Priority Ranking	Objectives	Targets	Description of Activities
			IGAs		Provision of skilled trade activities e.g. tailoring, masonry, interlocking brick making; provision of food nutrients; counseling services
Restoration and diversification of livelihoods	Tana Delta	High	To restore and diversify livelihoods of conflict /flood victims by the end of June 2015	Conflict victims HHs livelihoods restored and diversified by June 2015 558Cattle; 600goats distributed to identified clash victims by June 2015	Identify and support alternative livelihood ; Support reconstruction of houses; Restocking of most affected households; Provision of seeds and farming tools
Improve early warning system on conflict, drought and floods	County, Sub-County and Ward levels	High	To enhance disaster risk reduction and management in the county	Frequency radio established; Information disseminated to disaster prone areas with dead network zone; Monthly reports done by June 2018.	Production, dissemination and feedback system; Establish high frequency radio in all flood prone , conflict hotspot and in areas with no mobile network coverage; Increase coverage of the county in both print and other media positively e.g. through buying media air time
Coordination, M & E, Operation and Maintenance	County, Sub-County and Ward levels	High	To provide quality performance, efficient and effective management, implementation of strategies and harmonise structures in the county by June 2018	120 Monthly supervision reports prepared; 20 quarterly M& E prepared; 5 Annual reporting by June 2018.	Monthly supervision; M&E field visits; Better networking ;Enhanced efficiency; Tracking implementation of projects/programmes

On-Going Projects/Programmes: Heritage and Culture

Table : On-Going Projects/Programmes: Heritage and Culture

Project/Programme Name & Location	Objectives	Targets	Description of Activities
Garsen Community Cultural Centre Garsen	To provide a venue for cultural expression and preservation of heritage by June 2018	Construct to completion 1 community Cultural centre by June 2018	Environmental Impact Assessments (EIAs); Construction of the components of community cultural centre in phases
Registration and capacity building of cultural practitioners' groups County wide	To empower cultural practitioners' groups and promote culture for sustainable development by June 2017.	Capacity built and profile 200 cultural groups by June 2017	Mobilization; Registration; Organize workshops and seminars.
Harness the potential of Kenya's cultural heritage. County wide	To develop the potential of Kenya's cultural heritage annually.	Hold 1 county talent search show and foodstuff s' exhibition per year.	Mobilization; Organize talent search competition shows such as music, culinary and art competitions.
Community Cultural festivals County wide	To promote, preserve and develop all functional aspects of culture for sustainable development by June 2018	Organize and coordinate 1 county community cultural festival per year.	Mobilization; Organize community cultural festival.

New Projects/Programmes: Heritage & Culture

Table : New Projects/Programmes: Heritage & Culture

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
Hola and Bura Community Cultural Centres	Hola and Bura Township	Low	To provide a venue for cultural expression and preservation of heritage	Construct two cultural centres to completion by June 2018.	Site identification; Environmental Impact Assessments (EIAs); Construction of the components of community cultural centre in phases
County Culture Office	Hola township	Low	To bring services closer to the people.	Construct a County Culture Office by 2015.	Site identification; Environmental Impact Assessments (EIAs); Construction of the county Cultural Office.
Madogo Cultural Centre	Madogo	Low	To create a	One cultural	Site

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
			venue (physical infrastructure) for cultural expression and preservation of heritage.	centre to be constructed in phases by June 2018.	identification Environmental Impact Assessments (EIAs) Procurement processes Construction of components of cultural centre
Cultural sensitization programmes	All wards	Low	To strengthen positive/universal cultural values and peaceful coexistence in the society.	Conduct seminars in all the divisions by 2015	Register cultural practitioners Profile cultural practitioners Conduct seminars Develop TRC cultural map
County cultural grant	All wards	Low	To empower cultural practitioners for increased productivity.	To empower 200 cultural practitioners (individual and groups) by June 2017.	Identification of groups Establishing a database of cultural practitioners. Capacity buildings Disbursal of grants.
Establish Museums	County wide	Low	To preserve cultural heritage.	To develop 3 fully stocked museums by June 2017.	Site identification Environmental Impact Assessments (EIAs) Procurement processes Collection of artifacts.
Identification/Preservation of cultural heritage sites.	County wide	Low	To preserve cultural heritage for sustainable development.	Preservation of heritage sites by June 2018	Conduct a research on heritage Conduct seminars on preservation of heritage sites.
Cultural tours and exchange visits.	All wards	Low	To enable the practitioners learn from the other parts of the country.	Visits to other counties e.g Kwale, Kajiado, Nairobi, Bungoma	Organise visits to other counties and heritage sites in the country.
Operationalisation of Cultural offices/centres	Galole	Medium	To ensure efficient and effective service delivery.	3 Culture Office blocks and 4 cultural centres operationalised by June 2017.	Procurement processes Capacity building of Management

Project/Programme Name	Location	Priority Ranking	Objectives	Targets	Description of Activities
					Committees.

7.9.6 Cross Sector Linkages

The sector prepares the groundwork for all other sectors in terms of community mobilization, registration of self help groups and empowerment of vulnerable groups. These groups become the entry point for any donor or government development initiatives targeting poverty reduction especially in the rural areas. The sector works closely with health sector through National AIDS Control Council in implementing the HIV/AIDS programmes and in engagement of youth through self employment, income generating activities, peace building, cultural and sports activities. This sector collaborates with special programmes and cohesion sub-sector to address peace, reconciliation and resettlement.

This sector is the focal point for disaster management and risk reduction. It collaborates with Social protection culture and recreation, Public Administration and International relation and water sub-sector to provide logistics in areas of famine relief distribution, water tankering, disaster information and research, disaster response and resettlement of Internally Displaced Persons, flood mitigation, prevention of HIV and AIDS and other diseases. This sector partners with Agriculture and Rural Development sector in livestock production and drought tolerant crops such as gum arabic, Aloe and Jatropha.

7.9.7 Mainstreaming of Cross-cutting Issues

The proposed projects in the sector have an overall goal of alleviating poverty through various strategies such as drought management, community driven development support to local development, promotion of Youth and Women Enterprise Funds and Youth Polytechnics.

Through sports activities and conflict management efforts the issue of national diversity is mainstreamed in this sector.

7.9.8 Strategies to Mainstreaming Disaster Risk Reduction (DRR) in the Sector

The main objective of the DRR is to ensure that the inherent weaknesses in social protection, culture and recreation sector such as poor social protection culture and recreation should adopt efficient logistical mechanisms/strategies to deal with famine, relief distribution and disaster

management. This shall be done in line with the five Hyogo Framework of Action (HFA) priorities for action identified for 2013 to June 2018. The sector ensures that disaster risk reduction is a county priority with a strong institutional basis for implementation. There is need to identify, assess, and monitor disaster risks and enhance early warning which will foster [disaster risk assessment and monitoring](#). Need to use knowledge, innovation and education to build a culture of safety and resilience at all levels. The sector endeavours to reduce the underlying risk factors through the [disaster reduction and financing](#) mechanisms.

CHAPTER EIGHT:
IMPLEMENTATION, MONITORING ANDEVALUATIONMATRIX

8.0 INTRODUCTION

This chapter provides information on both the on-going and new programmes and projects in the County. It also specifies objectively verifiable indicators that shall be used to monitor the implementation of the programmes and projects. It also sets mid-term milestones for impact assessment. It will be necessary to have in place an effective monitoring and evaluation system to track the implementation of the projects and programmes. This will be a continuous process to assess the extent to which development objectives and targets set in the plan have been achieved. A participatory result based monitoring and evaluation strategy will be adopted in which, all the stakeholders in the implementation process will be actively involved in the process. The information obtained will be used to improve implementation and efficient use of resources.

8.1 Institutional Framework for Monitoring and Evaluation in the County

The Monitoring and Evaluation Directorate in the Ministry of Devolution and Planning developed the National Integrated Monitoring and Evaluation System (NIMES) which monitors the implementation of vision 2030. Under the system, monitoring at all levels is interlinked and the lower (County) levels feed into the national system.

At the County level, monitoring will be continuous while evaluation has been planned at two stages, namely, mid- term and end term evaluation. In addition, there will be quarterly and annual reports to assess the progress made in implementing the plan and provide necessary information and feedback. The County Monitoring and Evaluation Committee (CMEC) will spearhead monitoring and evaluation at the County level. The CMEC will be made up of members representing Government agencies, Civil Society Organizations and the Private Sector. Through NIMES, the Ministry of Devolution and Planning has fronted the mainstreaming of monitoring and evaluation in all projects and programmes. This has necessitated continuous training of officers on monitoring and evaluation. The CMEC will coordinate monitoring and evaluation activities for all the sectors and government agencies. The preparation of the County Annual Monitoring and Evaluation (CAMER) report will provide necessary information and feedback to be captured at the national level. Monitoring and Evaluation will also be decentralized to the sub-county and ward levels. At the sub-county and ward levels, monitoring and evaluation activities will be coordinated by the sub-county and ward Monitoring and Evaluation Committees respectively. The focus on the ward is because it is the lowest unit to where devolved funds are likely to be channelled.

A matrix has been developed for all the sectors to facilitate effective monitoring and evaluation. The sector Working Groups (SWGs) will set their own monitoring mechanism through which regular reports will be tabled at the CMEC forums. Monitoring and evaluation will also be undertaken on the basis of sector vision and mission to measure their impact on sustainable development. The implementation matrix giving projects/program name, cost, time frame, monitoring indicators /tools, and status of projects are provided below to give the way forward for the implementation.

8.1.1 Agriculture

Table : Implementation matrix- Agriculture

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation Status
Construct Community Grain Storage Facility	Galole (HOLA)	29 m	2013/2014	1 warehouse constructed No of farmers trained on post harvest handling of goods.	Technical drawings Completion certificate Progress reports; Training reports. Attendance lists	County Govt;GoK; Dev. partners County departments ; Community	GOK/TRCG	New project
Establish a Mango and Fruit processing Factory/plant	Galole (Boji)	30m	2013-2018	1 mango factory constructed No of groups trained on value addition. No of mangoes produced	Progress reports; reports; Project reports. Photos	County Govt;GoK; Dev. partners County departments ; Community	GOK/TRCG /CDF	On-going project
Dissemination of effective Agricultural Extension Information and support Services	All the 15 county wards:	103 m	5 years (2013-June 2018)	No. of trainings No. farmers reached No. of demonstrations, No. of barazas No. of Farmers Field Days No of farm visits No. of M & E visits. No of Shows and Trade fairs attended No of committee and Board meetings held. No of brochures No of leaflets	Reports and Work plans Minutes Invitation letters.	County Govt;GoK; Dev. partners County departments ; Community	GOK/TRCG	On-going projects
Establish Produce Collection Centres for marketing agricultural produce.	1 per Location (45 locations)	76.5m	5 years (June 2018)	No of collection centres in place; Volumes of farm produce sold No of trainings done	Reports Minutes Photographs	County Govt;GoK; Dev. partners	GOK/TRCG Community Contribution	On-going project

Strengthening the capacity on Farm Agricultural Mechanization (AMS) through tractor accessibility & affordable services	Garsen (AMS)	80m	5 years (June 2018)	20 Farm Tractors and accessories purchased 1 crawler tractor purchased	Technical drawings Completion certificate Progress reports;	County Govt;GoK; Dev. partners County departments ; Community	GOK/TRCG Development partners.	New project
Restructuring of the Planning and Monitoring Unit	Bura and Hola Irrigation Schemes	1m	1 year (June 2014)	1 Planning and monitoring unit restructured	Reports ; Minutes ; Invitation letters Schedule of meetings and operations calendar.	County Government NIB management County Executive officers. Relevant County Directors Farmer representatives.	County Government NIB Development partners.	New project.
Water Harvesting for horticultural crop production (Water pans)	Laga Buna: Saka , Bangale & Hamares in Madogo and Bangale; Hirimani and Tula lagas, Hamares, Tula and Bangale in Bura; Laga Galole: (Waldena, Daba, Wayu Duka, Wayu Boru, Koticha, Gururi & Kalkacha in Galole), Laga Kokane	36m	5 years (June 2018)	No. of water pans excavated; No. of group members /Community trained High value crops planted	Technical drawings Completion certificate Progress reports; Training reports. Attendance lists	County Govt;GoK; Dev. partners County departments ; Community	GoK County Government	New projects
Crop Pests and Diseases Control and Management	All the 15 county wards	70m	5 years (June 2018)	No of training sessions held; No of demonstrations held. Quantity of chemicals distributed , No of farmers reached	Reports Farmers-Work plans. Attendance lists Distribution returns/lists Surveillance and monitoring reports	County Govt;GoK; Dev. partners County departments ; Community	County Government GoK Kenya Agricultural Livestock Research Organization (KALRO)	On-going project
Provision of assorted Strategic Relief Seeds for Disaster Risk Reduction	All the 15 county wards	30m	Yearly (June 2018)	No. of HH issued with seeds No. of trainings Total acreage under the crops seeds. No of tons harvested	Distribution register Attendance lists Reports Photos	County Govt;GoK; Dev. partners County departments ; Community Farming community	Development partners /NGOs County Government , GoK	On-going project

Provision of assorted Drought tolerant seeds to famers.	All the 15 county wards	30m	2013-June 2018	No of HH issued with seeds No of trainings Total acreage under the crops seeds. No of tons harvested	Distribution register Attendance lists Reports Photos	County Govt;GoK; Dev. partners County departments ; Community Farming community	Development partners /NGOs County Government GoK	On-going project
Provision of subsidized Fertilizers for Crop Production to farmers in the County.	All the 15 county wards	40m	2013-June 2018	No of HH benefited from the fertilizer; No of trainings Total acreage planted with fertilizers. No of tons harvested	Distribution / beneficiary register or inventory; Attendance lists Reports Photos	County Govt;GoK; Dev. partners County departments ; Community	County Government GoK.	New project
Establish Agricultural Training Centre (ATC)	Galole Sub-County (Hola)	12m	2013-June 2018	1 dormitory 1 office block 1 class room 1 dining hall 20 acres Demonstration plots	Technical drawings; Bills of quantities;C ompletion certificate;P rogress reports; Training reports. Attendance lists	County Govt;GoK; Dev. partners	GoK; County Government	New project
Establish Maize Production & Value addition Processing plant	Galole Sub-county (Hola)	10m	By June 2018	1 Plant for processing human food and animal feed constructed and operational; No. of bags of maize produced	Technical drawings; Completion certificate; Progress reports; Photos EIA report	County Govt;GoK; Dev. partners County departments ; Community	County Government Development partners GoK Farming community	New project
Registration of Farmers and Farm families Survey.	All the 15 county wards	6m	5 years (By June 2018)	Ward Farmers registers; No of barazas held No of meetings held; No of farmers registered No of acreage recorded	Farmers registers; Progress reports; Minutes; Photos Attendance lists	County Govt;GoK; Dev. partners County departments ; Community	County Government ; GoK; Development Partners	New project
Promotion of 4-K and Young farmers Clubs (Youth in agriculture) County Wide	All the 15 county wards.	3m	5 years (June 2018)	No. of kitchen gardens established No of registered schools clubs. No of active schools clubs No of trainings No of demonstrations	Progress reports; Training and demonstration reports; Photos ; Attendance lists	County Govt;GoK; Dev. partners County departments ; Community	County Government GoK Beneficiary schools.	On-going programme
Njaa Marufuku Kenya (NMK)	All the 15 county wards	60m	5 years (June 2018)	No of groups funded; No of projects initiated. No of Meetings held. No of CDU Group M & E visits. No of trainings.	Progress reports; CDU reports; Annual reports Minutes Proposals vetting reports Attendance lists	County Govt;GoK; Dev. partners County departments ; Community	GoK	On-going programme

Recruitment and deployment of more extension staff	All the 15 county wards,	72m	2013/14-2014/15	No of applicants No of recruited technical staff.	Advertisements; Shortlisted candidates;	County Govt;GoK; Dev. partners	County Government	New project
Strengthen Credit Service provision & accessibility to farmers in the Major Irrigation schemes	Bura and Hola Irrigation Schemes	20m	By June 2015	Amount of money granted to the 2 Revolving Funds;No of benefiting Revolving Funds Establishment; No of publicity barazas;Farmer Committees' Bank statements	Bank statements; Attendance lists Reports Minutes	County Govt;GoK; Dev. partners County departments ; Community	County Government GoK	On-going project in Hola and Bura NIB Schemes.
Fabrication of Grains storage Metal Silos.	Kilelengwan i Shaurimoyo Ozi	2m	5 years (June 2018)	No of fabricated metal silos;No of beneficiary groups.No. of beneficiary farmers.No. of trainings,No. of demonstrations No. of trained farmers.No. of stored grains bags/kgs	Photos Progress reports Attendance lists. Impact reports. Minutes Tendering reports.	County Govt;GoK; Dev. partners County departments ; Community	County Government Development partners	New project
Improve on Extension Staff Mobility-Motor cycles	6 wards:- Sala, Bangale, Mikinduni, wayu, Kinakomba & Garsen North	2.4m	By 2015	No. of procured motor cycles	Tendering and procurement documents	County Govt;GoK; Dev. partners County departments ; Community	County Government GoK	New project
Improve on the Office Working Environment for the staff at wards.	10 wards:- Sala, Bangale, chewele, madogo, mikinduni, wayu, Kipini East, Kipini West, Garsen North, Garsen South	25m	5 years (June 2018)	No. of modern office blocks completed;	Bill of Quantities; Certificate of Completion; Tendering documents; Minutes Progress reports; Photos	County Govt;GoK; Dev. partners County departments ; Community	County Government GoK	New project

8.1.2 Livestock

Table : Implentation matrix - Livestock

Project/Programme Name	Location	Estimated Cost (Ksh)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation Status
Abattoir construction	Garsen	30m	June 2015	Existence of structure	Reports Photos	County govt	County government	New
Hides & skins improvement	All wards	30m	By June 2018	Existence of factory	Reports Photos	County govt	County government	New
Meat processing plant	Hola	150m	By June 2018	Existence of plant	Reports Photos	County govt	County government	New

Project/Programme Name	Location	Estimated Cost (Ksh)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation Status
Promotion of livestock sales	County wide	10m	By June 2018	No. of auction yard constructed No. of livestock market rehabilitated No. of livestock associations trained	Reports	County government	County government	New
Livestock Production Extension Services	All 15 wards	78.45m	By June 2018	No. Pastoral schools reached and trained No. farmers trainings No. Field days held No. demonstrations No. Farm visits No. Meetings held No. extension packages developed No. Barazas held No. staff recruited and deployed No. offices constructed and in use No. Vehicles purchased and issued to officers	Reports; Attendance lists; Vehicle logbooks	County Government County; Livestock Officers; German Agro-Action; ASDSP; KAPP; NDMA/UNDP Works Department	County government; German Agro-Action; ASDSP; KAPP; MTAP; NDMA/UNDP	New
Livestock Improvement	County wide	72.5M	By June 2018	No. bull camps established No. multiplication centres No. cockerel exchange unit 1 beekeeping workshop constructed and fully equipped No. of apiaries established	Reports	County/ National govt; County livestock/veterinary officers; GAA; MTAP; VETAID; NDMA/UNDP; KALRO	County Government	New
Develop Livestock Markets	Garsen, Bangale, Bura, Mandingo, Waldena, Titila, Charidende, Boka, Zubaki, Kipini, Wenje, Nanighi	37M	By June 2015	No. markets rehabilitated and improved No. new markets established	Progress reports	County Livestock officers; DLMC; Lands Department	County/GoK DLMC	New
Develop Livestock Marketing (LMD) holding grounds	Kurawa, Wenje, Chifiri	60M	By June 2018	No. Holding ground rehabilitated and operational 1 New holding ground established at Chifiri	Progress reports	County/GoK, County Livestock/Veterinary officers	County/GoK	New

Project/Programme Name	Location	Estimated Cost (Ksh)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation Status
Establish Milk processing plants	Garsen	60M	By June 2015	A modern milk Processing plant established and is operational	Progress reports	County Livestock officers	County Government , GoK CDA; ASDSP	New
Establish Milk collection/cooling plants	Bangale, Madogo, Bura, Charidende, Galole, Wenje, Kipini, Tarasaa	48M	By June 2018	No. Milk collection centres established No. producers supplying milk to plant A decrease in milk spoilage from 60% to 5% annually	Progress Reports	County Livestock officer	County Government , GoK CDA; ASDSP	New
Strategic feeds reserves (Construction of hay bans, Grazing reserves blocks/Corridors, Establish fodder farms, Rehabilitation of rangelands watering points for livestock (Malkas), Rehabilitation of existing Water pans, Construction of new water pans, Dams)	Kipini, Garsen, Bura, Kilelengwani, Chakamba, Madogo, Nanighi, Bondeni, Bula, Hara, Koticha, Gururi, Along the river Tana, Waldena, Wayu, Chifiri, Kalkacha, Kyakungu, Haroresa, Kone, Asa, Waldena, Kipini, Kilelengwani, Dadashkori, Harambee, Vukoni juu, Kotemlanjo, Rerodari, Eligora, Kote, Sheri, Katumba, Binharges, Lagabuna, Laga Kokani, Laga Galole, Laga Hirimani	172M	By June 2018	No. hay bans constructed No. Grazing reserves established No. farms with established fodder Quantity of fodder conserved No. Malkas established/rehabilitated No. waterpans rehabilitated No. new water pans constructed No. of dams constructed	Reports, Titles	County Departments, NDMA, German Agro Action	County/GoK, GoK, NDMA/UNDP	New
Development of Ranches	Tana North, Galole, Garsen	60M	By June 2018	No. Ranches rehabilitated No. new community ranches established	Reports, Land Titles	County livestock officers, Lands Department, NEMA	County Government /GoK	New
Mainstreaming Disaster Risk	All projects proposed in all wards	26M	By June 2016	Level of disaster Preparedness No. community	Progress reports	County Livestock officers,	County Government	New

Project/Programme Name	Location	Estimated Cost (Ksh)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation Status
Reduction	with special reference to flood prone/conflict and drought hot spots			managed disaster risk reduction committees formed		NDMA/UNDP		

8.1.3 Veterinary Services

Table : Implemetnation matrix- Veterinary Services

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
County central veterinary drug store at subsidized prices	Hola	5 m (revolving fund)	By June 2016	Amount of drugs bought	Reports	County Government ,NGOs, Private sector	County Government ,NGOs	New
Re-introduce veterinary clinic	Hola, Bura, Garsen, Wenje, Madogo and Bangale	30 m	By June 2016	Number of operational clinics	-Cases attended -revenue collected	County Government , Private sector	County Government	New
Cattle crushes to facilitate spraying and treatment	Every village in Galole, Kipini, Ozi, Kilelengwani ,Meti, Sabukia, Chardende and Walesorea. All sblocations in Madogo. Assa and Kone, Kibusu, Garsen, Oda and Sera	11,200,000	By June 2018	Number of crushes built	Completion certificates	County Government ,NGOs	County Government ,NGOs	New
Upgrading of indigeneous cattle through introduction of bull camps and Artificial Insemination	Hola, Wenje	6 m	By June 2018	-No of bulls bought -No. Of Inseminations done	Reports	County Government , GOKe, Private sector	County Government ate , Private sector	New
Farmers /pastoral training center	Haroresa - Boji junction	200,000,000	By June 2015	Number of farmers trained	School operational	County Government ,NGOs	County Government ,NGOs	New
Build an expanded and modern slaughter house/slab	Bura and Hola Garsen, Kipini, Bangale Madogo, Wenje	70 m	By June 2014	Completed slaughter houses	Completion certificates	County Government , GOK, NEMA	County Government , Private sector	ON-going Garsen 30% complete
Construction of tannery.	Garsen and Bangale	60 m	By June 2018	Completed tanneries	Completion certificate	County Government , Private sector	County Government , Private sector	New
Construction of factories for Horn/bones	Garsen and Bangale	20 m	By June 2018	Complted factories	Completion certificate	County Government , Private sector, NGOs, CBOs,	County Government , Private sector, NGOs, CBOs	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
						NEMA		
Construction of cattle dips and connect cattle dips with water source (bore holes)	All Wards	17 m	By June 2018	No. Of completed dips	Completion certificates	County Government , Private sector, NGOs, CBOs, NEMA,GOK	County Government , Private sector, NGOs,	On-going
Tsetse fly traps	Kipini location –40 Kilelengwani – 40 Ozi – 20 Tarasaa-100	0.5 m	By December 2014	No. of traps bought	Receipts Reports	County Government , NGOs, CBOs, GOK..	County Government , NGOs, CBOs, ,GOK	New
Mapping of grazing and farming areas	Kilelengwani and Kipini (Including whole county)	10m	By June 2018	Grazing and farming areas clearly mapped	reports	County Government ,	County Government ,	New
Establish Disease control committees	All Wards	4.3 m	By June 2018	No. of committees operating	Reports	County Government , GOK	County Government	On-going
Disease surveillance and patrol programme	All Wards	64.8 m	By June 2018	No. of livestock routes and markets visited	Reports	County Government , GOK	County Government	On-going
Vaccinations Programme	All Wards	92 M	By June 2018	-No disease outbreaks reported -Animals vaccinated	Reports	County Government , GOK	County Government	On-going
Enforce livestock movement regulations	All Wards	5.04 m	By June 2018	-No disease outbreaks reported -No. of offenders arrested and prosecuted	Reports	County Government , GOK. Disease control committees	County Government	On-going
Clear cutlines used by animals moving across the county	Cutting across all the sub-counties from Madogo to Garsen.	10 m	2013-June 2018	Animals moving across the county following the designated route	Reports	-County Government , . -Disease control committees	County Government	New
Meat inspection	Hola, Bura, Bangale, Madogo, Wenje, Garsen, Tarasaa, Kipini,	7.2 m	By June 2018	Inspected meat available in butcheries	Reports	-County Government and GOK	County Government	On-going
Baiting of stray dogs	Hola, Bura, Bangale, Madogo, Wenje, Garsen, Tarasaa, Kipini,	2 m	By June 2018	-Reduced no. of stray dogs -Reduced cases of rabies	-Reports -No. of dogs killed	-County Government a	County Government	On-going
Hides and Skins	All Wards	200,000	By June 2018	-Improved Hide and Skins	-Reports -Dispatch	-County Government	County Government	On-going

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
improvement				quality	notes issued	a		
Training of livestock farmers	All Wards	2.5 m	By June 2018	-Adoption of techniques -Improved animal health	-Reports	-County Government	County Government	On-going
Construct Veterinary Laboratory	Hola	20 m	By June 2016	Laboratory samples collected and analysed	-Reports -Lab sample reports	-County Government	County Government	New
Office space	Hola, Garsen, Bura, Wenje	60 m	By June 2018	Office space available	Reports Completion certificate	-County Government	County Government	Bura Wards and Wenje- New Others- Ongoing
Livestock census	Whole county	3.5m	By June 2016	Actual livestock population known	-Population figures -Report	-County Government	County Government	New
Diseases Free Zone	Wenje and Kurawa	500m	By June 2016	Rehabilitated infrastructures	- Reports,Part Development Plans, Photographs	GoK, County Government	GoK, County Government	New (Flagship Project)

8.1.4 Fisheries

Table : Implementation matrix - Fisheries

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
Establish a fish hatchery	Galole, Bura, Garsen	20m	By June 2015	Progress report on construction of fish hatchery Brood stock purchased and stocked in production units	Reports Number of fingerlings supplied to farmers	County/ National govt / Dev't partners	County government; GoK	New
Installation of fish pelleting machine	Idsowe	2.5m	By June 2015	Progress report on installation of pelletizer.	Reports Quantity of fish pellets manufactured and supplied to farmers	County/ Dev't partners National govt	County government National govt	New
Purchasing of modern fishing gears	Kipini Ozi Chara	102m	By June 2015	Number of fishing available to fishermen and farmers	List of fishing gears distributed to fishermen	County gov,t/ dev't partners National govt	County gov't GoK	New
Construction and installation of ice making machine	Kipini	12m	2013 - 2015	Drawings BQs prepared Tender awarded Progress report	Progress report on construction Certificate of payment	County gov,t/ dev't partners National govt	County gov't GoK	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
Construction of cold storage room	Kipini	12m	By June 2018	Drawings BQs prepared Tender awarded Progress report	Progress report on construction	County/ National govt / Dev't partners	County government; GoK	New
Construction of a fish processing factory	Kipini	200m	By June 2018	Drawings BQs prepared Tender awarded Progress report	Reports	County/ National govt / Dev't partners	County government; GoK	New
Construction of modern fish market, Fish bandas at landing beaches and other subsidiary markets	Kipini, Garsen, Tarasaa	6m	By June 2015	Drawings BQs prepared Tender awarded Progress report	Reports	County/ National govt / Dev't partners	County government; GoK	New
Fencing of fish ponds	All villages having fish ponds	7.8m	By June 2018	Purchased fencing material for 182 fish ponds	Progress report on fencing on site. 182 fish ponds fenced	County/ National govt / Dev't partners	County government; GoK	On going
Gazettement of three(3) BMUs landing sites	Kipini, Ozi Ziwayu	750,000	By June 2015	Progress reports Ownership documents	Landing sites well demarcated	County Government	County government; GoK	New
Identification of coordinates for Kipini landing site	Kipini	0.75m	By June 2015	Progress reports Ownership documents	Coordinates well identified	County Government	County government; GoK	New
Rehabilitation of fish ponds	Bura Galole Garsen	3.6m	By June 2016	Number of fish ponds rehabilitated and stocked	Number of fish stocked with fish after rehabilitation	County/ National govt / Dev't partners	County government; GoK	On going
Rehabilitation of Kipini residential houses	Kipini	1.5m	By June 2014	Number of residential houses rehabilitated	Progress report on repair Number of officers staying in the houses	County/ National govt / Dev't partners	County government; GoK	On going
Construction of fisheries Hola head quarters	Hola	9m	2013/2014 – 2014/2015	BQs prepared Progress report	Progress report on construction by public works officer	County/ National govt / Dev't partners	County government; GoK	New
Purchase of water pumps and reticulating system	Bura, Galole, Garsen	0.15m	By June 2018	Tendering documents Invoice and delivery notes	Number of pumps purchased	County/ National govt / Dev't partners	County government; GoK	New
Purchase of fish pond covering nets	All Wards	5m	By June 2018	Tendering documents Invoice and delivery notes	Delivery notes Number of covering nets issued to farmers	County/ National govt / Dev't partners	County government; GoK	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
Supply and installation of fish pond lining material	Bura Galole Garsen	20m	By 2022	Tendering documents Invoice and delivery notes	Numbers of pond liners issued to farmers Delivery notes	County/ National govt / Dev't partners	County government; GoK	On going
Purchase of office computers, printers	Hola office Bura Garsen Kipini	1m	By June 2014	Tendering documents Invoice and delivery notes	Presence of delivered computers and printers	County/ National govt / Dev't partners	County government; GoK	New
Purchase of office furniture for county and sub county offices	Hola Bura Kipini	1.2m	By June 2014	Tendering documents Invoice and delivery notes	Presence of office furniture and cabinets entered in office records	County govt	County Government	New
Monitoring, control and surveillance	Kipini territorial waters	0.6m	By June 2018	Number of MCS conducted reflected in work ticket	Reduced use of illegal gears Habitat and breeding grounds protected	County govt	County Government	On going
Fisheries extension services	All Wards	0.9m	By June 2016	List of new recruited officers List of farmers Demonstration farms established	Improved farming and fishing skills by both fishermen and fish farmers Increased recorded yields	County Government	County Government	New
Construction of smoking kiln in oxbow lakes	Lango la simba	0.65m	By June 2018	Tendering documents Invoice and delivery notes	Constructed kiln in use Quantity of fish smoked in kgs	County govt Devt partners	County Government	New
Surveillance and patrols	County wide	0.5m	June 2018	Duration of surveillance and patrols	Reports	County Government	County Government	New
Aquaculture Development	Garsen	10m	By June 2015	No. of ponds constructed No. of smoking kilns constructed No. of lakes restocked	Reports Photos	County govt	County Government	New
Renovation of offices	Tarasaa Kipini Garsen	5m	By June 2015	No. of offices renovated	Reports Photos	County govt	County Government	New

8.1.5 Cooperative Development

Table : Implementation matrix Cooperative Development

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of Funds	Implementation status & Level
Enforcement of cooperative	All Wards	3M	By June 2018	No. of training sessions held; Number of meetings attended.	AGM Minutes; Quarterly Reports;	Department of Cooperativ	County Treasury	Continuous

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of Funds	Implementation status & Level
legislation						e		
Capacity building on cooperative awareness and value addition.	All Wards	3M	By June 2018	No of training sessions held; No of co-operatives fully operational.	Training reports; Annual work plan; Progress reports	Department of Cooperative	County Treasury	Continuous
Construction and rehabilitation of office block	Hola	2M	By June 2016	Constructed and rehabilitated office.	Completion certificates	Department of Cooperative	County Treasury	Continuous
Purchase of a 4WD Vehicle	Hola	5M	By June 2016	Existence of vehicle	Reports Photos Log book	Department of Cooperative	County Treasury	New
Purchase of furniture and equipment	Hola	2M	By June 2016	No of items Items procured	Reports Photos	Department of Cooperative	County Treasury	Continuous
Promotion of cooperative movement	All Wards	0.5M	By June 2018	Celebrations held	Reports Photos	Department of cooperative	County treasury	Continuous

8.1.6 Forestry & Wildlife

Table : Implementation matrix- Forestry and Wildlife

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
Gazettement of County Forests	County wide	8.4m	By June 2018	Acerage gazetted	Reports	Kenya Forest Service, the County Government of Tana River, Ministry in charge of lands, Survey and physical planning, agriculture & water	GoK/TRC G	On going
Rehabilitation of degraded areas & mangrove	County wide	17m	By June 2018	Acerage rehabilitated	Reports	NEMA KEFRI KEMFRI Ministry of Agriculture Community	GoK/TRC G	On going
Enforcement & surveillance	County wide	10.2m	By June 2018	No of surveillance/ man days in a year	Reports	Kenya Forest Service	GoK/TRC G	On going
Woodlot Shelter belt establishment	All Wards	17m	By June 2018	No of shelterbelts model plots established	Reports	Kenya Forest Service NEMA Agriculture KEFRI	GoK/TRC G	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
Promotion of Small Medium Scale Enterprises (SME)	All Wards	10m	By June 2018	No of forest based Small & Medium Scale Enterprises promoted	Reports Photos	Kenya Forest Service NEMA Agriculture Trade & industry	GoK/TRC G	On going
Greening of schools and public institutions	All Wards	14m	By June 2018	50 No of greening model program initiated		Kenya Forest Service NEMA Ministry of Education	GoK/TRC G	On going
Establishment of Parks and arboreta	Hola, Garsen and Bura Urban Centres	3m	By June 2018	No of Parks and arboreta established in Garsen, Hola & Bura urban Centres	Reports	Kenya Forest Service, the Government of Tana River NEMA, Environmental conservation Groups KEFRI	GoK/TRC G	New
Agro-forestry establishment	All Wards	22.5m	By June 2018	No of agro-forestry model plots established	Reports	Kenya Forest Service KEFRI KALRO Agriculture	GoK/TRC G	New
Establishment of private forests	All Wards	15m	By June 2018	No of private forests model plots established	Reports	Kenya Forest Service Agriculture Environmental Groups Private tree farmers	GoK/TRC G	New
Establishment of carbon market & networks	All Wards	6m	By June 2018	No of model networks of carbon markets established	Reports	Kenya Forest Service NEMA KEFRI KEMFRI	GoK/TRC G	New
Promotion of forestry value chain & platform	All Wards	2m	By June 2018	No forest based value chains established	Reports Photos	Kenya Forest Service KEFRI Ministry of Trade and Industry	GoK/TRC G	New
Forest Extension Services County Wide	All Wards	2m	By June 2015	No. of forest visits	Reports	Kenya Forest Service KEFRI Ministry of Trade and Industry	GoK/TRC G	New
Afforestation	County wide	8m	By June 2017	Forest cover percentage No. of groups trained No. of nurseries established No. of seedlings planted	Reports	Kenya Forest Service KEFRI Ministry of Trade and Industry	GoK/TRC G	New
Protection of Mangrove	Kipini Location	3.6m	By June 2015	Mangrove forest cover	Reports	County govt County officers	GoK/TRC G	New
Indigenous Forest Management and	All Wards	1.5m	By June 2018	No. of people trained	Reports Photos	County govt County officers	GoK/TRC G	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
Conservation County Wide								
Conservation of Bio-Diversity of the Tana Primate National Game Reserve	All Wards	3m	By June 2018	Population of indigenous species	Reports	County govt County officers	GoK/TRC G	New
Promotion of gums and resins County Wide	All Wards	5m	By June 2018	No. of farmers trained	Reports	County govt County officers	GoK/TRC G	New

8.1.7 Lands Administration, Survey and Human Settlement

Table : Implementation matrix- Land Administration, Survey and Human Settlement

Project/Programme Name	Location /Ward	Estimated Cost Ksh.	Time Frame	M&E Tools	Implementing Agencies	Source of funds	Status
Settlement Schemes	Wema, Galili, Bangale, Wenje	30.48M	By June 2015.	Scheme Plan Survey Plan Allocation List	County Gvt National Land Commission Ministry of Lands, Housing and Urban Development.	County Gvt	New
Land Adjudication County Wide	Chunoni, Kulesa, Mwina, Benderani, Masabubu, Makere, Milalulu, Chewani, Zubaki, Mikinduni, Ndura, Mazuni, Kinakomba, Jamhuri, Gwano	19.05M	By June 2018.	Scheme Plan Survey Plan Adjudication Register	County Gvt National Land Commission Ministry Of Lands Lands Adj. Committees/Board County Commission	County Gvt	New
Public Sensitization and awareness campaign.	All Wards	1.27 Million	By June 2018.	Schedules Proceedings Photographs	County Gvt National Officers Stakeholders County Commission Mwananchi	County Gvt	New
County Spatial Development Framework	All wards	762, 000	By December 2014.	Sectoral Maps For Cidp	County Gvt National Officers Stakeholders County Commission Mwanchi	County Gvt	New
County Spatial Development Plan	Entire County	50.8 million	By June 2015.	Approved County Spatial Development Plan	County Gvt National Officers Stakeholders County Commission	County Gvt	New

Project/Programme Name	Location /Ward	Estimated Cost Ksh.	Time Frame	M&E Tools	Implementing Agencies	Source of funds	Status
					Mwanchi		
Replanning of 13 Urban centres	Hola, Bura, Madogo, Bangale, Wenje, Charindende, Kalkacha, Hara, Waldena, Kipini, Minjila, Tarasaa, Garsen	33.5 million	By June 2018.	Approved Plans For The Urban Areas	County Gvt National Officers Stakeholders County Commission Mwanchi	County Gvt	New
Part Development Plans For All County Public Facilities	Entire County	5.08million	By June 2018	Approved Pdps	County Gvt National Officers Stakeholders County Commission Mwanchi	County Gvt	New
GIS Station/ County Land Information System.	Hola	381million 25.4 Million	By June 2015	Functional Gis Station	County Gvt National Officers County Officers	County Gvt	New
Establishment of County Boundary	Entire County Perimeter	2.54million	By June 2015	Perimeter Boundary Map By 2014	County Gvt National Officers County Officers National Gvt	County Gvt	New
Survey/Demarcation County Public Facilities/Schools	Entire County	3.81 Million	By June 2015	To Demarcate 50 Parcels By June 2018	County Gvt National Officers	County Gvt	New
Cadastral Surveys	All Wards	5.08 Million	By June 2018	To Demarcate 100 Parcels By June 2018	County Gvt National Officers National Gvt	Land Own Ers County Gvt	New
Ensure Fencing And Development Of Properties	All Wards	1.27million	By June 2018	To Demarcate 100 Parcels By June 2018	County Gvt County Officers	County Gvt	New
Densification Of Controls	Entire County	3.81million	By June 2015	Approved Survey Maps Survey Monuments	County Gvt National Officers National Gvt	County Gvt	New
Determination Of Property Boundary Disputes	All Wards	254,000	By June 2018	Number Of Cases Determined Proceedings	County Gvt National Officers National Gvt Litigants	Litigants	New
Map Revision Of Madogo	Madogo	5.08million	By June 2018	To Produce Base Maps For Madogo	County Officers National Officers National Gvt	National Gvt	New

8.1.8 Trade and Tourism

Table : Implementation matrix- Trade and Tourism

Project/Programme Name	Location	Estimated Cost in kshs	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
Training /trade courses	All Wards	12M	By June 2018	No of trainings No. of Traders reached	Progress Reports and training	County Gov't, Dev't	County government;	On going

Project/Programme Name	Location	Estimated Cost in kshs	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
					reports	partners Trade development department, County officers.		
Tana River Joint Loan Board/Funding Scheme	Kipini, Garsen, Wenje, Hola, Bura, Madogo	400M	By June 2018	Number of traders given loan; Amount of loans issued.	Progress reports, disbursement schedules, payment vouchers,	County Gov't, Dev't partners, Trade development department, County officers.	County government.	On going
Construction and Rehabilitation of <i>Jua Kali</i> Sheds.	Bura Galole, Garsen, Constituencies.	500M	By June 2018	Number of sheds constructed. Land ownership documents acquired. Bills of quantities, drawings and designs.	Progress report, site meetings reports, minutes of tendering committees, certificates of completions	County government, GoK, development partners.	County government, donors, GoK.	New
Form and Strengthen <i>Jua Kali</i> Association.	All Wards	100M	By June 2017	Number of groups and or association formed. Certificates issued by relevant government departments	Reports,	County government, GoK, development partners.	County government, GoK, development partners.	New
Construction of modern physical market	Garsen, Kipini, Minjila, Bura, Hola and Madogo.	500M	By June 2018	No. of modern markets constructed	Progress reports	County govt National govt Development partners	County govt National govt Development partners	On going
Establishing business information centres.	Garsen, Bura, Hola	65M	By June 2018	No of business information centres established	Reports	County govt National govt Development partners	County govt National govt Development partners	New
Tana annual trade exhibition	Hola	100M	By June 2018	Steering committee in place to organise the event	Committee minutes	County govt National govt Development partners	County govt National govt Development partners	New
Construction of a gypsum processing plant	Nanighi	1bn	By June 2018	Existence of a functional gypsum factory	Reports, photos and certificates	County govt National govt Development partners	County government /development partners	New
Baseline survey on tourism attractions	County wide	5M	By June 2017	Tourist guide book	Minutes of technical committee	County govt National govt and tour operators	County govt	New
Tana River Tourism Marketing Campaign Programme.	Regionally and Nationally	10M	By June 2016	Brochures printed Tour operators workshop Documentary	Payment vouchers Minutes of steering committee	County govt Consultant Community Based organisation	County govt	New

Project/Programme Name	Location	Estimated Cost in kshs	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
				Advertisements online and media		s Tourism industry associations		
Expansion of Mchelelo tented camp.	Wenje	12M	By June 2018	Bed capacity increased to 50 Conference capacity increased to 100	Invoices and payment vouchers Tender documents	County govt Community Based organisations Kenya wildlife services	County govt Donor funding	New
Certification of home stays.	Kipini Garsen Hola Bura Madogo	5M	By June 2018	No. of potential homestays inspected and certified	Sensitisation reports No. of workshops	Community based organisations County govt Tour operators	County govt	New
Formulate and enact County Tourism Policies and County Tourism Act	County wide	10M	By June 2016	Copy of policies Copy of sessional paper Copy of finalized County Tourism Bill	Progress reports	County govt County Assembly Community Based organisations Tour operators Hotel keepers and caterers Attorney General chambers The public	County govt National govt	New
Develop and diversify tourism products	County wide	5M	By June 2017	No. of products developed or diversified	Workshops held for sensitisation reports	Community Based organisations County govt Kenya Tourism Board Kenya wildlife services	County govt	New
Enhance publicity and information flow in tourism	All Wards	10M	By June 2017	No. of tourism information centres established	No. of tourists visiting Tana River	County Govt Kenya Tourism Board Kenya wildlife services CBOs	County Govt	New
Enhance community based tourism	County wide	15M	By June 2017	No. of community based organisations empowered	Progress reports	County govt CBOs NGOs Ministry of interior government	County Govt NGOs	New
Conservation of heritage sites	Kipini and Hola	10M	By June 2018	No. of monuments constructed	Progress reports	County govt National museums of Kenya NGOs CBOs	County govt NGOs	New
Coordinate management	Kipini	20M	By June 2018	Beach operators market	Reports on workshops	County govt Beach	County govt	New

Project/Programme Name	Location	Estimated Cost in kshs	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
of beach activities					with beach operators	operators Interior ministry and coordination of national govt		
Promote Meeting Incentives Conference and Exhibition (MICE)	Hola	100M	By June 2016	One conference and convention centre constructed	Minutes of the steering and technical committee	County govt Private investors	County govt investors	New

8.1.9 Public Works

Table : Implementation matrix- Public works

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
Completion of the Governor's office	Galole	20.0 M	By June 2014	%age level of completion interim payment certificate Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	County Government Department of Public works.	County government	New
Repair and refurbishment of county assembly	Galole	4.0M	By June 2014	%age level of completion interim payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	County Government Depart. of Public works.	County government	New
Perimeter fencing to the Governor's	Hola	16.5M	By June 2014	%age level of	Inspection reports	County	County government	New

Project/Program me Name	Locatio n	Estimate d Cost	Implementati on Time Frame	M&E Indicator s	M & E Tools	Implementi ng Agencies/ Stakeholder s	Source of funds	Implementatio n status & Level
offices				completi on interim payment cert. Inspection & accept. cert. Completio n certificate Making Good Defects Cert Handing over certificate Occupatio n Certificate	Minutes of Project managem ent meetings Vehicles	Government Depart. of Public works.	nt	
Air conditioning and Burglar proofing to 4 no. offices at Governor's office block	Hola	1.6M	By June 2014	%age level of completio n interim payment cert. Inspection & accept. cert. Completio n certificate Making Good Defects Cert Handing over certificate Occupatio n Certificate	Inspection reports Minutes of Project managem ent meetings Vehicles	County Government Depart. of Public works.	County governme nt	New
Repairs & Refurbishment of the co-operative house to be used as an office block.	Hola	2.7M	By June 2014	%age level of completio n interim payment cert. Inspection & accept. cert. Completio n certificate Making Good Defects Cert Handing over certificate Occupatio n Certificate	Inspection reports Minutes of Project managem ent meetings Vehicles	County Government Depart. of Public works.	County governme nt	New
Repair & Refurbishment of the county assembly's	Hola	7.0M	By June 2014	%age level of completio n interim	Inspection reports Minutes of Project	County Government Depart. of Public	County governme nt	New

Project/Program me Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
Debating chambers				payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	management meetings Vehicles	works.		
Construction of office block for the County Director of Housing	Hola	7.0M	By June 2016	%age level of completion interim payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	County Government Dept. of Public works.	County government GoK	New
Construction of masonry wall to the Governor's compound	Galole	50.0M	By June 2014	%age level of completion interim payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	County Government Dept. of Public works.	County government	New
Proposed construction of slaughter house	Galole, Bura	30.0M	By June 2014	%age level of completion interim payment cert.	Inspection reports Minutes of Project management meetings	County Government Dept. of Public works.	County government	New

Project/Program me Name	Locatio n	Estimate d Cost	Implementati on Time Frame	M&E Indicator s	M & E Tools	Implementi ng Agencies/ Stakeholder s	Source of funds	Implementatio n status & Level
				Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Vehicles			
Proposed construction of county works office block	Hola	20.0M	By June 2016	%age level of completion interim payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	County Government Depart. of Public works.	County governme nt	New
Construction of foot bridges	Galole, Bura, Garsen	150.0M	By June 2018	%age level of completion interim payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	County Government Depart. of Public works.	County governme nt	New
Completion of ESP projects (CIDs , Schools of excellence,Market sheds,Model health centres)	Galole, Bura and Garsen	195.0 M	By June 2015	%age level of completion interim payment cert. Inspection & accept.	Inspection reports Minutes of Project management meetings Vehicles	County Government Depart. of Public works.	County governme nt	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
				cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate				

8.1.10 Roads

Table : Implementation matrix- Roads

Project/Programme Name	Location	Cost Kshs	Time Frame	M&E Indicators	M&E Tools	Implementing Agency	Source of Funds	Status
Periodic maintenance of the Junction B8-Garsen town road, Garsen	Garsen	15M	By June 2014	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Existing Bitumen road
Kipini-Witu Road	Garsen	1B	By June 2014	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Saware-Waldena-Makutano(B8)	Galole	120M	By June 2014	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8(Bura)-Bangale	Bura	124M	By June 2018	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
B8 – Asa Road	Garsen	240,201,000	By June 2014	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Laza – Wenje Road	Galole	13,800,000	By June 2014	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Mlanjo A3- Sombo-Hamares	Bura	16,800,000	By June 2014	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
B8-Tarassa- Ngao, Garsen	Garsen	3,900,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Madogo – Mbalambala Road	Bura	24,240,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8(Bura) – Bura Bridge	Bura	366,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8(Bura) – Bura Bridge(Graveling)	Bura	6,654,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Roka – Laza-Makutano (B8)	Galole	14,145,000	By June	No. of Km constructed	Site visits Progress	KeRRA County	County government	Earth/Gravel surface

Project/Programme Name	Location	Cost Kshs	Time Frame	M&E Indicators	M&E Tools	Implementing Agency	Source of Funds	Status
			2015	/maintained	reports Inspection	government		
Mlanjo- sombo – Hamares	Bura	19,452,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Nanighi	Bura	4,950,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Boji	Galole	1,854,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Makere	Galole	2,784,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Chifiri	Galole	3,000,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Pumwani	Galole	4179000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Majengo	Galole	1800000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Mnazini – Kitere	Garsen	3600,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Sailoni – Wema – Gamba	Garsen	1200,000ears	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Kibusu	Garsen	2166,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
B8 – Ziwa la Kuta	Garsen	1716000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Tarassa- Oda	Garsen	3,000,000	2years	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Ziwa la Kuta – Manono	Garsen	2100,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction D567- Kilelegwani	Garsen	1,989,000	2years	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Kurawa	Garsen	2,184,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Sera	Garsen	1,971,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Rhoka – Laza- Makutano(B8)	Galole	13,500,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction URP6 – Mitiboma – El Rar	Bura	7,500,000	By June	No. of Km constructed	Site visits Progress	KeRRA County	County government	Earth/Gravel surface

Project/Programme Name	Location	Cost Kshs	Time Frame	M&E Indicators	M&E Tools	Implementing Agency	Source of Funds	Status
			2015	/maintained	reports Inspection	government		
Rhoka – Bangale	Bura	7,500,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Malka Mansa – Korati	Bura	9,000,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Nanighi – Sala	Bura	9,000,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Sabukia – Lakole	Bura	6,000,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Bilbil-Waldesa	Bura	7,500,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction A3(Bangale) – Boka	Bura	18,900,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Matagala- Subu-Kornomoku	Bura	1,800,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Bura – Chewele	Bura	4,500,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction E874 (Maweni) – Gafuru – Harambee (Junction. B)	Galole	5,400,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Mkomani – Majengo	Galole	2,100,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Majengo – Kilindini	Galole	2,100,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Dc's office – MOR office	Galole	900,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Chifiri – Mitiboka – Junction. E723	Galole	21,600,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Mikinduni Junction B8	Galole	2,700,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Chifiri – Hakoka	Galole	3,000,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Manono – Ozi	Garsen	8,400,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Kitere – Sailoni	Garsen	7,500,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Kone – Asa	Garsen	18,900,000	By June	No. of Km constructed	Site visits Progress	KeRRA County	County government	Earth/Gravel surface

Project/Programme Name	Location	Cost Kshs	Time Frame	M&E Indicators	M&E Tools	Implementing Agency	Source of Funds	Status
			2015	/maintained	reports Inspection	government		
Garsen – Maziwa	Garsen	2,700,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
C112 Danisa – Galili	Garsen	1,500,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Karengethe – Dalu	Garsen	2,100,000	2years	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Ngao – Klaus Road	Garsen	750,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Junction B8 – Jajavo	Bura	1,500,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
B8 – (Galole) – Haroresa	Galole	5400,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Wenje- Makere – Hara	Galole	4,200,000	By June 2015	No. of Km constructed /maintained	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Town Roads (Hola Town)	Galole	1,000,000,000	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Street Lighting	Galole	150,000,000	By June 2015	No of posts erected	Site visits Progress reports Inspection	KeRRA County government	County government	Non-existent
B8 – Garsen High school	Garsen	10m	By June 2015	No of posts erected	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Tarasaa junction – Ngao district hospital	Garsen	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Kipini - Bandarini	Garsen	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Kanangoni – Katsangari	Garsen	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Mapandio - Kipini	Garsen	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Gafuru – B8 road	Galole	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Kilindini – masalani road	Galole	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Korlabe – Chira road	Galole	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
B8 – Oda (Kwindwa road)	Garsen	10m	By June	No. of km constructed	Site visits Progress	KeRRA County	County government	Earth/Gravel surface

Project/Programme Name	Location	Cost Kshs	Time Frame	M&E Indicators	M&E Tools	Implementing Agency	Source of Funds	Status
			2015		reports Inspection	government		
Chardende -Bangale	Bura	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Harambee - Gafuru	Galole	10m	By June 2015	No. of km constructed	Site visits Progress reports Inspection	KeRRA County government	County government	Earth/Gravel surface
Ngao -Kipao bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Odha – Bura kofira bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Kilelengwani –Ozi bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Kilelengwani – Kau bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Mandingo – Handaraku bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Onwardei – Manono bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Onkolde – Galili bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Garsen –Danisa bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Kikomo – Ongonyo bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Mnazini -Bahati	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Dibe – Galili bridge	Garsen	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	New
Power from Ukasi to Bangale (Rural electrification)	Bura	500M	By June 2015	No of people supplied with electricity	Site visits Progress reports Inspection	GoK (REA), County Governments	County government	New
Construction of weighing bridges at Chardende and Kurawa	Bura, Garsen	500M	By June 2015	Revenue collected from the weighing bridge	Site visits Progress reports Inspection	GoK KENHA	GoK KENHA	New
Construction of Matagalla bridge	Bura	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	Ongoing
Construction of Bilbil bridge	Bura	10m	By June 2015	Length in metres constructed	Site visits Progress reports Inspection	County government	County government	Ongoing

8.1.11 Urban Development

Table : Implementation matrix- Urban Development

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of Funds	Implementation status & Level
Street lighting	Hola, Bura, Madogo, Bangale, Garsen, Minjila	5m	By June 2016	No. of streetlights installed Area beautified	Reports Photos	County govt. Respective county departments	County Government	New
Construction of Modern Markets	Hola, Bura and Garsen	10m	By June 2015	Existence of market	Reports Photos	County govt Respective county departments	County Government	New
Fire fighting engines	Galole	10m	By June 2015	Fire engine in place by 2015.	Reports Photos	County govt Respective county departments	County Government	New
Modern bus park in Hola Galole Division	Hola	25m	By June 2015	Construction of bus park complete by 2015.	Reports Photos	County govt Respective county departments	County Government	New

8.1.12 Energy

Table : Implementation matrix- Energy

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
Electrification of Madogo government institutions	Bura Constituency	5m	By June 2015	Provide power to 10 government institutions in Madogo divisional headquarters and its surroundings by 2015.	Reports Photos	County govt Respective county departments	County Government	New
Supply of Solar Power on commercial Basis at affordable Price	County Wide	10m	By June 2018	Solar panels and batteries availed to the communities.	Reports Photos	County govt Respective county departments	County Government	New
Exploitation of Other Alternative Sources of Power	County Wide	15m	By June 2015	To provide 7 major centres earmarked for development by 2015.	Reports Photos	County govt Respective county departments	County Government	New
Extension of Rural Electricity to Kilengwani Location Constituency	Garsen	35m	By June 2015	To connect power supply to Kilengwani market for commercial and domestic purposes.	Reports Photos	County govt Respective county departments	County Government	New

8.1.13 Information Communication Technology

Table : Implementation matrix ICT

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
ICT and broadband infrastructure	County wide	100m	By June 2017	No. of offices networked, interconnected and installed with reliable telecommunication services No ICT assets/ equipment provided	Quarterly Reports, procurement minutes, ICT inventory,	ICT department , County government , GoK	TRCG, GOK, DONORS	New
County website	County wide	2m	By June 2016	1 functional County website developed and hosted by 2013/2014, No. Of site visits, contents uploaded, level of user satisfaction	Functional website, Procurement minutes, website management committee minutes	ICT department , County government , GoK	TRCG, GOK, DONORS	New
ICT Policy and strategic plan	County wide	4m	By June 2014	County ICT policy, county ICT strategic plan, streamlined and operational.	Procurement minutes, county ICT Policy, ICT Strategic plan,	ICT department , County government , GoK	TRCG, GOK, DONORS	New
Capacity building on ICT skills	County wide	5m	By June 2018	No of trainees equipped with ICT skills	Training reports, certificates of completion.	ICT department , County government , GOK,	TRCG, GOK, DONORS	New
Community ICT resource centre and cyber cafes (Digital villages)	All wards	100m	By June 2018	15 ICT centres set up	Annual reports, public works completion certificate, inventory, procurement minutes	ICT department , County government , GOK,	TRCG, GOK, DONORS	New
Radio station and mobile cinema services	Hola	300m	By June 2017	Land identified, broadcasting equipment procured, 3 frequencies acquired, 1 mobile track,	Procurement minutes, allotment documents, inventory	ICT department , County government , GOK,	TRCG, GOK, DONORS	New
County Press	Hola	200m	By June 2018	One magazine published per month	Procurement minutes, magazine, quarterly reports, circulation	ICT department , County government , GOK,	TRCG, GOK, DONORS	New
Mobile phone services	County wide	20m	By June 2017	90% of the county covered by mobile network by June 2018	Network transmitter	County government , GOK,	GOK, NETWORK PROVIDERS, donors	New
Television and radio Transmitters	County wide	20m	By June 2016	2 Television 3 radio transmitters	Transmitters,	Television and radio Service Providers County government	TRCG, GOK, DONORS	New
Media and ICT learning institution/	Hola	500m	By June 2016	1centre established	Completion certificates, procurement minutes,	County government , GOK,	TRCG, GOK, DONORS	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
centre					registration certificates			

Water Development

Table : Implementation matrix- Water Development

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Status
Construction of 9no 50,000 M ³ Capacity large dams	Wayu (1), Boka (1), Ndera (1), Shirikisho (1), Hirimani (3), Bangale (2)	657m	By June 2018	9no. 50,000M ³ dam for human & livestock Constructed; 18no double door toilets constructed near the water pans; 135 committee members from the dam communities trained on water management and sanitation by June 2018; Access to water reduced to less than 25Km	Work plan Design report(9) EIA report(9) Contract document(9) Photos Progress reports Attendants' list Training program	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New
Construction of 11no 30,000 m ³ Capacity w/pans	Chifiri, Mnazini, Kibaoni, Mandingo, Kokani, Baomo, Matagala, Katumba, Hakoka	253m	By June 2018	Number of water pans constructed, Number of toilets constructed, Number of committee members trained.	Work plan Design report(9) EIA report(9) Contract document(9) Photos Progress reports Attendants' list Training program	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New
Rehabilitation of silted/breached water pans	Galole Sub county, Bura sub county Garsen subcounty	96m	By June 2017	24no water pans rehabilitated	Status Assessment report(24), Work plan Design report(24) Contract document(24) Photos Progress reports Attendants' list Training report (24)/program	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Status
Reticulation & improvement of Hola w/supply	Chewani location	24m	By June 2017	a) 2no 100m ³ masonry tanks; 1no filter unit; 8 km of 2" uPVC pipeline constructed ; b) the Hola water billing system is upgraded; c) the water quality analysis system is upgraded; d) 4acres of adjacent land next to Hola treatment works is acquired for extension of the water works	Status report, Design report, Standard drawings of 100m ³ tank, Contract agreement, Progress reports photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Construction of Hola to Chewani p/line extension	Chewani location	5.5m	By June 2018	1.Wachakone p/line upgraded from 3" to 4" uPVC ; 2.Wachakone p/line is extended from Wachakone to Chewani (4km)	Survey and Design report, Contract agreement, Progress reports, photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Construction of Lenda – Handampya p/line extension	Mikinduni location	13.5m	By June 2018	1.the pipeline from Hola to Lenda is upgraded from 3" to 4" (9km) 2.Lenda to Handampya (5) extension is constructed	Survey and Design report, Contract agreement, Progress reports, photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Construction Hola to NYS & Mango plant P/line extension.	Chewani location	75m	By June 2018	A 6" pipeline from the end of the existing 8" DC's office p/line is constructed to Mango plant 25km away	Survey and Design report, Standard 100m ³ tank drawing, Contract agreement, Progress reports, photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Construction of Bura-Hola-Wenje Bulk Water Supply	Chewani loc, Mikinduni loc Ndura loc, Gwano loc, Kinakomba loc Bura loc	700m	By June 2018	1.A status survey of Bura treatment works is carried out; 2.Identified damages of the treatment works are repaired; 3. A Phased bulk 6"-8" pipeline from Bura through the following centres:- Kumbi, Makere, Daku, Chewani,	Survey and Design report, Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Status
				Wachakone, Wata, Kone, Mikinduni, Lenda, Handampya, Wenje, Baomo, Maroni, Hara, Mnazini junction is constructed. 4. An extension from Bura to Chifiri and environs is constructed (90km).				
Transfer of Bura Water Works operations from NIB to TAWASCO	Bura location	5m	By June 2018	1. Transfer agreement between NIB and County Water office is constituted and effected 2. All consumers in Bura are metered. 3. Revenue of TAWASCO is increased by 30% 4. 10 no personnel trained in water management 5. 10 staff members trained in operation and maintenance	Transfer Agreement report, Inventory register for connection and meters, tools plants and machines, furniture Progress reports, Photos New staff list Financial report	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Transfer of Madogo w/supply operations from Gawasco to TAWASCO	Madogo location	5m	By June 2018	1. Transfer agreement between GAWASCO and Coast Water Services Board/Tana County Water office is constituted and effected 2. All consumer accounts in Madogo are transferred to TAWASCO. 3. Revenue of TAWASCO is increased by 30%	Transfer Agreement report, Inventory register for connection and meters, tools plants and machines, furniture Progress reports, Photos New staff list Financial report	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Construction of Nanighi - Chardende w/supply	Nanighi loc	35m	By June 2018	A 30km, 4" pvc pipeline constructed	Survey and Design report, Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Status
					Training/attendants report			
Construction of Chardende Borehole to Market centre	Nanighi loc	10m	By June 2018	1)A 2km,2” diameter pipeline is constructed 2) 5,000 people have increased access to portable water 3)A BH drilled and equipped	Survey and Design report, Hydrogeological report Contract agreement, Progress reports, Photos Training/attendants report	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Augmentation of Garsen w/supply: Construction of 500m3 elevated GI tank at Minijila Shirikisho loc	Shirikisho loc	25m	By June 2018	1no. 500 m3 GI elevated steel tank Constructed at Minijila	Survey and Design report, Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Augmentation of Garsen w/supply: Construction of 50m3 elevated tank at Sofia village Shirikisho loc	Garsen	6m	By June 2018	1no. 50 m3 GI elevated steel tank constructed at Sofia village	Survey and Design report, Contract agreement, Progress reports, Photos Std 50m3 tank drawing	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Augmentation of Garsen w/supply: Construction of 100m3 elevated tank at Danisa village Galili loc	Galili location	8m	By June 2018	1no. 100 m3 GI elevated steel tank constructed at Danisa village	Survey and Design report, Contract agreement, Progress reports, Photos Std 50m3 tank drawing	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Augmentation of Garsen w/supply: Construction of 7km-90mm uPVC pipeline from Danisa to Gamba	Galili location	6.5m	By June 2018	7km , 90mm uPVC pipeline constructed	Survey and Design report, Contract agreement, Progress reports, Photos Std 50m3 tank drawing	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Augmentation of Garsen w/supply: Rehabilitation of a an	Bilisa location	4.5m	By June 2018	100m3 elevated GI tank at Garsen rehabilitated at Garsen town	Contract agreement, Progress reports, Photos	County/GoK/Development partners	County government; GoK, Development partners	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Status
existing 100m3 elevated GI tank at Garsen town					Std 50m3 tank drawing Survey and Design report,	County officers		
Augmentation of Garsen w/supply: Construction and equipping of Minijila Sub county Water office within DC hqs	Shirikisho location	6m	By June 2018	1 no 5 room office block at Minijila constructed	Contract agreement, Progress reports, Photos Approved Buiding drawings Survey and Design report,	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New
Augmentation of Garsen w/supply: Construction of 3" UPVC pipeline 3km for Vision 2030 Garsen slaughter house(Vision 2030)	Garsen	3.0m	By June 2018	3km of 3" uPVC pipeline constructed	Contract agreement, Progress reports, Photos	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New
Augmentation of Garsen w/supply: Construction of 5km, 4" uPVC pipeline extension to serve new DC's office and its environs	Garsen	6m	By June 2018	5km of 4" uPVC pipeline constructed at Minijila	Contract agreement, Progress reports, Photos	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New
Augmentation of Ngao w/supply: Construct a 500m3 elevated GI tank at Ngao; Construction of clear water sump-200m3 tank; Construction of p/line extension to Kipao; Construction of 50m3 tank ; Construction of 2'upvc 3km reticulation at Oda village to school and its environs; Construction of	Ngao loc wachu Oda, Kipao	118m	By June 2018	500m3 elevated GI tank at Ngao constructed, Clear water sump-200m3 tank constructed at Ngao water works, 90mm 6km upvc Pipeline extension from Golbanti to Kipao constructed, 50m3 GI elevated tank at Kipao village constructed, 2'upvc 3km reticulation at oda village to school and its	Survey and design report Contract agreement, Progress reports, Photos	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Status
composite filtration unit/coagulation tank at Ngao; Construction of 35km pipeline extension from Tarasaa to Hurara settlement; Construction of 200m3 booster tank at Tarasaa high Sch and booster pump				environs constructed, Coagulation 50m3 tank at Ngao constructed, 35km 4" upvc pipeline extension to hurara constructed, 200m3 booster tank at Tarasaa high a constructed, and booster pump				
Construction of Kipini water supply	Kipini location	45m	By June 2018	Hydrogeological survey, Development of the source, Pumping set construction, and distribution system 15km of 4" 3" 2" upvc done. Construction of elevated tank 200m3 and 100m3.	Survey and design report Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Construction of Ozi water supply	Ozi location	15m	By June 2018	Hydrogeological survey, Well/BH drilled and developed, Pumping set construction Solar panel and pumping system installed, Distribution system of 5km 2" upvc pipeline, elevated tank 50m3 and 3no water kiosks constructed 15 community member capacity built in water management skills	Survey and design report Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Construction of Danisa to salama w/supply	Salama location	22m	By June 2018	1. Survey of 12km pipeline and design done. Excavation, pipe laying 12km, testing and 100m3 masonry tank	Survey and design report Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Status
				constructed				
Construction Mnazini water supply	Mnazini location	25m	By June 2018	Hydro geological survey, Well/BH drilled and developed, Pumping set construction Solar panel and pumping system installed, Distribution system of 10km 4" upvc pipeline, 2no elevated tanks of 50m3 and 4no water kiosks constructed 30community member capacity built in water management skills	Survey and design report Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Construction/Sinking of new Boreholes	Lakole, Bultomulitu, kone, Kipini, Asa, Katumba, Bangale, Bulto, Banta, Lebile, Tula, Boka, Hasako, Korati, Konoraram adha, Lagbada, Ongola, Titila, Haboye, Hakoka, Walestokocha, Haroresa, Hara, Assa, Iddi	125m	By June 2018	Hydro geological surveys done Drilling and equipping the borehole	Surveys and design report Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Ground water exploration in the hinterlands	All Wards	10M	By June 2017	10 Hydro geological surveys done Drilling and equipping the borehole	Surveys and design report Contract agreement, Progress reports, Photos	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Rehabilitation/Completion of Boreholes	All subcounties	60m	By June 2017	24no boreholes rehabilitated in all the subcounties	Assessment report, Contract Agreement Progress report	County/GoK/Development partners County officers	County government; GoK, Development partners	New
Drilling of	All	36m	By June 2017	60no shallow	Assessment	County/	County	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Status
shallow wells	subcounties			wells constructed in all the subcounties	report, Contract Agreement Progress report	GoK/ Development partners County officers	government; GoK, Development partners	
Purchase of water boozers and water trucking.	All subcounties	36m	By June 2018	Water stressed villages, schools and health centres/institutions are supplied with 10m ³ of water through water bowser in 60 days	Assessment report, Contract Agreement Progress report	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New
Installation of UPVC tanks	Bura, Galole, Garsen	24.6M	By June 2018	10no 10m ³ uPVC tank and 5no collapsible tanks branded purchased and delivered to identified village/institutions	Assessment report, Contract Agreement Progress report	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New
Construction of protective sea wall along Kipini town showline	Kipini	30m	By June 2018	Concrete protective wall built along kipini showline constructed to reclaim land	Assessment report, Contract Agreement Progress report	County/ GoK/ Development partners County officers	County government; GoK, Development partners	New

8.1.14 Land Reclamation

Table : Implementation matrix- Land Reclamation

Project/Programme Name	Location	Estimated cost (Ksh)	Implementation time frame	M&E indicators	M&E tools	Implementation agency	Source of funds	Implementation Status
Construction of gabion boxes in eroded landscapes	County wide	25m	2013/14-June 2018/18	12no eroded sites attended to or repaired in all sub counties	Assessment report, Contract Agreement Progress report	County/ GoK/ Development partners County officers	County government ; GoK, Development partners	New

8.1.15 Irrigation

Table : Implementation matrix- Irrigation

Project/Programme Name	Location	Estimated cost (Ksh)	Implementation time frame	M&E indicators	M&E tools	Implementation agency	Source of funds	Implementation Status
Irrigation cluster	Galole, wenje, Madogo, Bura	38,000,000	By June 2018	Number of irrigation clusters formed	Design Drawings Progress report. Quarterly reports. Annual Reports Photographs	Irrigation Department	CG	New
Drip irrigation	All wards	132m	By June 2015	Number of bucket kits and drum kits acquired, Acreage of land under irrigation	Design Drawings Progress report. Quarterly reports. Annual Reports Photographs	Irrigation department	CG	New
Develop irrigation project	Chewele, Zubaki, Makere, Ndura, Madogo, Mororo, Wardesa	62,000,000	By June 2015	Acreage of land under irrigation, Number of beneficiaries	Design Drawings Progress report. Quarterly reports. Annual Reports Photographs	Irrigation department	CG	New
Irrigation Infrastructure Development and Capacity Building	Bangale, Madogo, Bura, Galole, Wenje, Garsen, Tarasaa, Kipini	72,000,000	By June 2018	Irrigation infrastructure Irrigation Water User Associations	Design Drawings Progress report. Quarterly reports. Annual Reports Photographs	Irrigation Department	CG	New for Identification and Development

8.1.16 Housing

Table : Implementation matrix- Housing

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
Construction of County assembly staff houses	Hola	100M	By June 2015	Number of houses constructed	Inspection reports Minutes of Project management meetings	County assembly	County Government	New
Construction of Speaker's residence	Hola	15M	By June 2015	Level of completion of the residence	Inspection reports Minutes of Project management meetings	County assembly	County Government	New
Repair & refurbishment of the deputy speaker's house	Hola	1.6M	By June 2014	%age level of completion interim payment	Inspection reports Minutes of Project management meetings Vehicles	County Government Dept. of Public works.	County government	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status & Level
				cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate				
Repairs & refurbishment of county Residential house	Hola	1.5M	By June 2014	%age level of completion interim payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	County Government Depart. of Public works.	County government	New
Construction of ABT centre	Bura	4.0M	By June 2014	%age level of completion interim payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	Govrnt. of Kenya County Government Depart. of Housing.	County government GoK	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status & Level
Construction of the Governor's residence	Hola	100M	By June 2015	%age level of completion interim payment cert. Inspection & accept. cert. Completion certificate Making Good Defects Cert Handing over certificate Occupation Certificate	Inspection reports Minutes of Project management meetings Vehicles	County Government Dept. of Public works.	County government	New
Promotion of low cost construction materials and technology transfer to communities	Galole	10M	By June 2014	No of model classrooms /pit latrines constructed ; No of youth artisans trained; No of interlocking brick making machine procured; No of bricks prepared	WHH/GAA; National Government ; County Government (Ministry of Youth Development);ND MA	Production records; Artisans worksheet; Photographs; BoQs, Technical designs & drawings	WHH/GAA; GoK ; County Government (Ministry of Youth Development)	New
Low Cost Housing	Galole	Ksh 500M	By June 2018	100 acres of land acquired 1 drawings and designs 500 Two and Three bed room bungalow housing units.	Land ownership documents Reports Procurement documents	CDA, Tana River County Govt, Community GoK Dept. of Public Works NEMA Financial Inst. Dept. Housing	GoK, Financial Institutions,	New

8.1.17 Environment

Table : Implementation matrix- Environment

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
Commercial tree planting	Countywide	10m	By June 2018	Number of trees planted	Reports Photos	-County government -NEMA -KFS	-County Government to provide funds. -NEMA to implement the project. -KFS to provide seedlings and technical support.	New
Strategic Environmental Assessment for this CIDP	Countywide	16m	By June 2015	1 SEA report for the Tana River CIDP	-Record of field visits -Record of meetings	-County government -NEMA	-County government to finance the project -NEMA to provide technical support and process the SEA report	New
Construction of 3 environment office blocks.	Hola Bura Garsen	20m (Inclusive of all official charges).	By June 2016	Presence of the 3 office blocks.	-Reports -Photos - Completion certificates	-The Tana River County Government. -The Public Works Department or the National Construction Authority.	-The Tana River County Government to finance the construction. -The Public Works or the National Construction Authority to supervise the construction work.	New
Vehicle purchases.	Hola Bura Garsen	15m (Inclusive of all official charges)	July 2013 to June 2014.	Presence of the 3 vehicles.	Reports Photos Log book	-The Tana River County Government. -The procurement department.	-The Tana River County Government to finance the purchase. -The procurement department to do the purchase.	

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
Construction of Central Sewerage and Waste disposal sites and waste transfer stations	Hola town Garsen town Bura town Madogo town Kipini town, Bangali town, Wenje, town, Ngao town and Tarasaa town	40m (Inclusive of all official charges)	By June 2018	-Cleaner towns. -Licensed solid waste disposal sites.		-Tana River County Government. -NEMA -Public Health Department.	-Tana River county Government to finance the activity. -NEMA to process EIA reports and applications to operate waste disposal sites and also jointly supervise and inspect the works. -The public health department to carry out joint supervisions and inspections with NEMA.	New
Preparation of Tana Delta Environmental Management Plan.	Garsen division Kipini division Tarasaa division	25m	By June 2016	The Tana Delta environmental management plan document.	-Reports of preparatory meetings. -The Tana Delta Environmental Management Plan	-Tana River County Government. -NEMA. - Environmental sector departments and NGOs.	-Tana River County Government to provide finances. -NEMA to do coordinate the process. - Environmental sector departments and NGOs to participate in the process.	New
Construction of Centralized sewerage and wastewater systems.	Garsen town Kipini town Hola town Bura town Madogo town	800m (Inclusive of all official charges)	By June 2015	Presence of 6 sewerage and wastewater systems in the county's urban centres.	Reports Completion certificates	-Tana River County Government. -Coast Water Services Board. -Tana Water and Sewerage Company (TAWASCO).	-Tana River County Government to finance the activity. -Coast Water Services Board to supervise the construction of infrastructure. -NEMA to license the facility. -TAWASCO to maintain the facility after it is handed over to them by the Coast Water Services Board.	

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
Construction of concrete embankment to prevent constant changing of river courses	Garsen and Kipni	100m	By June 2018	Number of concrete embankments constructed	Reports Photos	Tana River County Government. NEMA WRMA KFS	-Tana River County to finance the activity. -NEMA to coordinate. -WRMA to do pegging of the riverine riparian reserve. -To provide seedlings and technical advice on the tree planting.	New
Rehabilitation of degraded gypsum mining sites.	Chardende, Bilbil, Dukanotu and Tula	50m	By June 2018	Number of degraded Abandoned sites successfully rehabilitated		-Tana River County Government. -NEMA -Ministry of Mining. -KFS	-Tana River County Government to finance the activity. -NEMA to supervise. -Mining Ministry to carry out the inventory. -KFS to provide tree seedlings and technical support in tree planting.	
Phased removal of the invasive <i>Prosopis juliflora</i> and replacement with suitable indigenous trees	Garsen Madogo roadside Bura town	5m	By June 2018	Area reclaimed from <i>Prosopis juliflora</i> cover and successfully replanted with other trees, preferably indigenous trees.	Reports Photos	-Tana River County Government. -NEMA. -KFS. -Charcoal Producers Associations (CPAs).	-Tana River County Government to finance the project. -NEMA to do supervision. -CPAs to carry out the removal and use the removed trees for charcoal making. -KFS to provide seedlings and technical support.	New
Awareness creation on environmental management	County wide	5m	By June 2018	Number of meetings Record of meetings (attendances)	Reports Photos	County government NEMA Environmental sector departments	Finances NEMA to coordinate Environmental sector department to provide education	New
Construction of a polythene and plastics waste recycling	Hola	7m	By June 2018	Presence of a polythene and plastics waste recycling plant	Reports Photos	County government Public health department NEMA	-County government to finance project -NEMA to implement	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
plant							-Public health to participate in monitoring and evaluation	

8.1.18 Education

Table : Implementation matrix- Education

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
Mwina Primary	Chewe ward	700,000	By June 2014	Complete renovated 3 classrooms and a toilet	DEB minutes, SMC minutes	SMS, parents	MOE	On going
Monitoring and evaluation	All Wards	5,000,000	By June 2015	Attendance register, admission registers	Reports, questionnaires, interviews schedule.	SMC, MOE, BOGs, CEBs	GoK, County Government, Donors	ongoing
Gamba pri	Garsen south ward	700,000	By June 2014	2 Complete classrooms	Completion certificates\	SMC, MOE, BOGs, CEB	MOE	Ongoing
Matagala Primary school	Kinakomba	700,000	By June 2014	Two complete classrooms	Reports, completion certificates	SMC, MOE, BOGs, CEB	MOE	New
ArapMoi Primary school	Ngao	700,000	By June 2014	Two complete classrooms	BQ, reports, minutes	SMC, MOE, BOGs, CEB	MOE	new
Haroresa Primary school	Kinakomba	700,000	By June 2014	Two complete classrooms	BQ, reports, minutes	SMC, MOE, BOGs, CEB	MOE	new
Capacity building	All Wards	30,000,000	By June 2018	Improved performance	Reports analysis	Education officers, SMCs, BOGs, CEBs	GoK, TRCG	ongoing
Recruitment of ECDE teachers	All Wards	3,558,000,000	By June 2018	Employed ECDE teachers, payrolls.	Adverts, interview score sheets, minutes.	Education officers, SMCs, BOGs, CEBs	TRCG	New
Registration of learning institutions in the county	All Wards	22,500,000	By June 2018	Registration certificates, national examinations	Registration documents,	Education officers, SMCs, BOGs, CEBs	GoK, TRCG	Ongoing
Teacher training college	Hola	200,000,000	By June 2015	TTC buildings	BQ,reports, minutes	MOE, Education officers, BOGs, CEBs, public works	GoK, CDF,TRCGs	new
University college	Garsen	2,000,000,000	By June 2016	University buildings	BQ, Reports, Minutes	MOE, CEBs, public works	National government, CDF	new
Quality assurance and stds.	All Wards	4,000,000	By June 2018	Result analysis,	Assessment reports ,	QASOs, education officers, BOGs,SM	GoK, TRCG,CD F	Ongoing

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
						Cs		
School Feeding Programme	All Wards	2,200,000,000	By June 2015	Food in schools, children's health	SFP reports, store inventories	, BOGs, SMCs, MOE,	Donors, MOE, GoK, TRCG	ongoing
Supply of instructional materials	All Wards	5,000,000,000	By June 2018	Books in school stores	inventories	BOGs, SMCs, Teachers	Donors, MOE, CDF, GoK, TRCG	ongoing
Rehabilitation of primary and secondary schools	All Wards	300,000,000	By June 2018	State of buildings, sanitary conditions	BQ, Reports, Minutes	BOGs, SMCs, public works	Donors, MOE, CDF, GoK, TRCG	ongoing
Construction of sanitation facilities	All Wards	2,500,000	By June 2018	State of buildings, sanitary conditions	BQ, Reports, Minutes	BOGs, SMCs, public works	Donors, MOE, CDF, GoK, TRCG	ongoing
Construction of Kitchens and food store	All Wards	1,200,000,000	By June 2018	Kitchen & store buildings	BQ, Reports, Minutes	BOGs, SMCs, public works	Donors, MOE, CDF, GoK, TRCG	ongoing
Provision of furniture	All Wards	3,000,000,000	By June 2016	Available furniture	Procurement reports, minutes, ledgers	BOGs, SMCs, PTAs	Donors, MOE, CDF, GoK, TRCG, PTAs	ongoing
Promote Girl Child Education	All Wards	400,000,000	By June 2015	Improved girl enrolment & retention	Admission register	MOE, NGOs, SMCs, PTAs	NGOs, MOE, CDF, TRCG, PTAs	Ongoing
Establish ECDE college	Garsen, Galole, Bura	150,000,000	By June 2016	ECDE college buildings	BQ, reports, minutes	MOE, Education officers, BOGs, CEBs, public works	, CDF, TRCGs	new
Sponsorship and bursaries	All Wards	3,000,000,000	By June 2018	improved enrolment of needy students	Bursary beneficiary list	CDF, Education officials, NGOs	CDF, MOE, TRCGs, Donors	Ongoing
Community Learning Resource Centres	All Wards	500,000,000	By June 2016	Constructed resource center	BQ, reports, minutes	Community, adult trainers	CDF, , TRCGs, Donors	new
Literacy Campaign and Recruitment Drive	All Wards	200,000,000	By June 2018	improved enrolment	Admission registers	Adult education officer, SMCs, PTAs, teachers.	CDF, MOE, TRCG, NGOs	Ongoing
Construction of Mobile schools	All Wards	4,000,000	By June 2018	Increased & retention of enrolment	Admission register,	SMCs, Education officials, PTAs	MOE, Donors, CDF, TRCG	Ongoing
Construction and equipping Science Laboratory	All Wards	120,000,000	By June 2018	Fully functional science laboratories	BQ, procurement documents, minutes	BOGs, PTAs, public works,	MOE, CDF, donors.	Ongoing
Construction and equipping Schools with I.T facilities	All Wards	2,500,000,000	By June 2015	Fully functional IT laboratories,	BQ, procurement documents, minutes	BOGs, PTAs, public works,	MOE, CDF, donors.	Ongoing

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
Free Primary, secondary and ECD education	All Wards	7,000,000,000	By June 2015	Increased & retained enrolment	Admission register	BOGs, education officials, SMCs, PTAs	MOE, TRCG, donors, NGOs,	ongoing
HIV/AIDS Education	All Wards	500,000,000	By June 2015	HIV/AIDS awareness meetings	Lesson program	Teacher, education officials, PTAs, SMCs, BOGs	TRCG, CDF, NGOs,	ongoing
School Fencing	All Wards	489,000,000	By June 2016	Fenced compound	Minutes, BQ, procurement documents	education officials, PTAs, SMCs, BOGs	TRCG, CDF, NGOs, MOE	ongoing
Electrification of learning institutions	All Wards	33,000,000	By June 2015	Availability of source of power	Minutes, BQ, procurement documents	education officials, PTAs, SMCs, BOGs	TRCG, CDF, NGOs, MOE	Ongoing
Construction of boarding wings for secondary schools	All Wards	150,000,000	By June 2015	No. of boarding wing facilities constructed.	BQ, reports, minutes	MOE, Education officers, BOGs, CEBs, public works	GoK, CDF, TRCGs	ongoing
Primary schools Boarding wing project	All Wards	45,000,000	By June 2018	No. of boarding of primary school boarding wing constructed.	BQ, reports, minutes	MOE, Education officers, BOGs, CEBs, public works	GoK, CDF, TRCGs	ongoing
Construction of special units	Tana North and Tana Delta	10,000,000	By June 2015	Constructed special unit facility	BQ, reports, minutes.	MOE, Education officers, BOGs, CEBs, public works	GoK, CDF, TRCGs	ongoing
Prize giving awards	All Wards	10,000,000	By June 2018	Availability of awards	Record, reports	Education officials, SMCs, PTAs, BOGs	, CDF, TRCGs, NGOs	Ongoing
Construction of complex resource centers	All Wards	20,000,000	By June 2015	No. of complex resource centre constructed	BQ, reports, minutes	MOE, Education officers, public works, community	GoK, CDF, TRCGs, donors	ongoing
Construction of modern library facility at county level	Hola	30,000,000	By June 2015	Constructed library facility	BQ, reports, minutes, completion certificate	MOE, Education officers, BOGs, CEBs, public works	GoK, CDF, TRCGs, donors	New
Educational tours	Countywide	250,000,000	By June 2018	No of organised tours	Tour reports	BOGs, Teachers, SMCs, education officials,	Donors, MOE, TRCG	ongoing
Enforce the law	All Wards	500,000,000	By June 2018	Training workshops,	Attendance register,	Education officials,	MOE, TRCG,	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
(Education Act)				barasas	reports	BOGs, SMCs,PT As	donors	
Audit books of accounts	All Wards	5,000,000	By June 2015	Audited books of account.	Audit reports,	Auditors, school managers, SMCs, BOGs	MOE,TRCG, NGOs CBOs	ongoing
Construct new ECDE centers	All Wards	2,000,000,000	By June 2018	Constructed ECDE centers	BQ, reports, minutes, completion certificate	MOE, Education officers, BOGs, SMCs public works	, CDF,TRCG s, donors	new
Build staff houses	All Wards	600,000,000	By June 2018	Constructed staff house	BQ, reports, minutes, completion certificate	, Education officers, BOGs, ,SMCs public works	, CDF,TRCG s, donors	new
Provision of clean water	All Wards	160,000,000	By June 2018	Availability of clean water	BQ, reports, minutes, completion certificate	, Education officers, BOGs, ,SMCs public works	GoK CDF,TRCG s, donors	ongoing
Construction of toilets in primary and secondary schools	All Wards	50,000,000	By June 2018	State of buildings, sanitary conditions	BQ, Reports, Minutes	BOGs, SMCs, public works	Donors, MOE, CDF, GoK, TRCG	ongoing

8.1.19 Special Education

Table : Implementation matrix-Special Education

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
Seminars and Workshops for special education	Bura, Hola, Garsen	2.5M	By June 2016	No. of workshops done on special education in the 3 sub-counties per year; No. of parents with children with special needs trained on general awareness of special needs.	Attendance lists, Workshop reports, certificates of participation	EARC personel, Education officer, MoH, Children's department	TRCG, MoE	Ongoing
Exchange programme for EARC personell, teachers, Sub county assessment committee members	Countywide	10M	By June 2018	No. of EARC personell, sub county assessment committee members and special education teachers that have gone for an exchange programme per year.	Trip report, photos.	Educational Assessment and Resource centre Personell	TRCG	New
Children	Hola	10M	By June	children home	BoQs, Site	MoE,	TRCG	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
home for the visually impaired.			2015	established, No. of children accommodated, No. of visually impaired children accessing education	minutes, Reports. Admission register	Public Works		
Electricity supply to assessment centres	Bura, Garsen, Hola	500,000	By June 2015	No. of assessment centre supplied with electricity.	Photos, KPLC quotations.	MoE, Kenya Power	TRCG	New
Establish a sheltered workshop for differently abled persons.	Hola	2M	By June 2015	No. Workshops established, No. of children accommodated, No. of trade skills offered.	BoQs, Drawings, Site minutes, Nominal role, Curriculum	Public Works, MoE,	TRCG	New
Establishment of special units	Bura, Hola, Garsen	6M	By June 2015	No. of special units established, No. of children enrolled.	School reports, Assessment centres report.	MoE, MoH	TRCG	New

8.1.20 Vocational Training

Table : Implementation matrix- Vocational Training

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
Construction of youth polytechnics	Oda Madogo Wenje Ndura Kipini Bangale Wayu Garsen Tarasaa	106,800,000	2013/15	Complete structures, Work completion certificates	BQs Drawings, Site minutes, Reports	TRCG Training Dpt, Public works	TRCG, CDF, Development Partners	New
Rehabilitation and upgrading the existing youth polytechnics	Maziwayp Tarasaa yp Tumaini yp	30,000,000	By June 2018	Modern structures, Work completion certificate	BQs Drawings, Site minutes, Reports	TRCG Training Dpt, Public works	TRCG, National Gvt, CDF, Development Partners	New
Establishment of a County model Youth Polytechnic	Mikinduni, Hola	166,000,000	By June 2018	Complete structures, Tools and Equipment inventory, Work completion certificate	BQs Drawings, Procurement plans, Site minutes, Reports	TRCG Training Dpt, Public works	TRCG, CDF, Development Partners	New
Provision of modern tools and equipment	Oda Madogo Wenje Ndura Kipini Bangale Wayu Garsen Tumaini Maziwayp Tarasaa	300,000,000	By June 2018	Tools and Equipment inventory,	Procurement plans, Minutes, Delivery notes	TRCG, Training Dpt, BOG	TRCG, MOEST, Development Partners	Ongoing

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
	Hola							
Staffing of Vocational training institutions	Established Institutions	2,000,000,000	By June 2018	Appointments, Deployments	Interview score sheets, Minutes	TRCG, Training Dpt, BOG	TRCG, BOG	Ongoing
Integration of ICT in YP programs	Oda Madogo Wenje Ndura Kipini Bangale Wayu Garsen Tumaini Hola Maziwa Tarasaa	120,000,000	By June 2018	ICT tools inventory,	Procurement plans, Minutes, Delivery notes	TRCG, Training Dpt, BOG	TRCG, MOEST, Development Partners	Ongoing
Construct and equip Youth training office	Hola	14,500,000	By June 2018	Complete structure, Work completion certificate	BQs Drawings, Site minutes, Reports	TRCG Training Dpt, Public works	TRCG, CDF, Development Partners	New
Provision of 4 vehicles and 6 motor bikes	Garsen Bura Galole	17,000,000	By June 2018	Transport inventory, Logbooks	Procurement plans, Minutes	TRCG, Training Dpt, BOG	TRCG, Development Partners	New
YP graduate Internship	Garsen Bura Galole	3,700,000	By June 2018	County Internship policy and programs	Minutes and reports	County Executive, County Assembly	TRCG	New
Quality and Standards assessments	Established YPs	3,000,000	By June 2018	Performance records	Minutes and Reports	MOEST, BOG	TRCG MOEST	Ongoing
Tree planting programme	Established YPs	44,000,000	By June 2018	Green and attractive environment, Work completion certificate	BQs, Drawings, Minutes	Training Dpt, BOG, Instructors	TRCG Development partners	New
YP electrification and water supply	Established Yps	11,500,000	By June 2018	Power supply, Clean water,	Reports, BQs Minutes,	Training Dpt, BOG,	TRCG Development partners	Ongoing
Subsidized Feeding programme	Established YPs	270,000,000	By June 2018	Foodstuffs	Food inventory,	BOG, Instructors	TRCG, Donors	New
Marketing and publicity	All 15 wards	15,000,000	By June 2018	High enrolment	Admission registers	Training Dpt, BOG, Instructors	TRCG, BOG, PIA, Development partners	Ongoing
Driving program	Odha YP Hola YP Madogo YP	18,000,000	By June 2018	Driving courses, Driving Licence,	Admission data, Examinations	Training Dpt, BOG, Instructors	TRCG, BOG, PIA, Development partners	New
Income Generating Activities	Established YPs	192,000,000	By June 2016	Farm produce and Finished products	Production and sales records, Sales a/c	Training Dpt, BOG, Instructors	TRCG, BOG, PIA, Development partners	New
Capacity building and pedagogical training	County wide	30,000,000	By June 2018	Certification, Workshops/seminar programs	Enrolment to pedagogical courses, Reports	Training Dpt, BOG, Instructors	TRCG, BOG, Individuals, Development partners	Ongoing
Market fairs & Exhibition	County wide &	5,990,000	By June 2018	Certifications, Trade fare	Reports, Participatio	Training Dpt,	TRCG, BOG,	New

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
	national shows			programs	n data	BOG, Instructors Trainees	Development partners	
Guidance & counselling	Established Yps.	12,000,000	By June 2018	G&C programs,	Reports, Participation data	Training Dpt, BOG, Instructors Trainees	TRCG, BOG, Development partners	Ongoing
Sports & talent development	Established YPs	5,990,000	By June 2018	Certifications and awards, Programs of events	Reports, Participation data, Minutes	Training Dpt, BOG, Instructors Trainees	TRCG, MOEST BOG, Development partners	Ongoing
Collaboration with development partners	National wide	12,000,000	By June 2018	Support programs, MOU, Funding	Reports and minutes	TRCG, Training Dpt, BOG, Instructors Trainees	TRCG, MOEST BOG	Ongoing
Examinations & curriculum	Established Yps	14,400,000	By June 2018	Administration of exams, Certifications	QAS reports, Exam analysis reports	MOEST, Training Dpt, BOG, Instructors Trainees	TRCG, MOEST BOG	Ongoing
Subsidized Youth Polytechnic Tuition	Established YPs	225,000,000	By June 2018	SYPT data, SYPT acknowledgements	Audit reports, Financial records	MOEST, Training Dpt, BOG, Instructors	TRCG, MOEST	Ongoing
YP bursaries & sponsorship	Established YPs	25,000,000	By June 2018	Disbursement records	Admissions to YPs, class registers	MOEST, Training Dpt, BOG, Instructors, Trainees	TRCG, MOEST, CDF, Development partners	Ongoing
Sanitary towels	Established YPs	9,000,000	By June 2018	Female enrolment data	Inventory records	MOEST, Training Dpt, BOG, Instructors	TRCG, MOEST, Development partners	Ongoing
Registration of training institutions	New YPs	1,200,000	By June 2018	Registration certificates, New YPs	DEB minutes, QAS reports, Health reports	MOEST, Training Dpt, BOG	TRCG, MOEST, Development partners	Ongoing
Construction of Information resource centre	Established YPs	180,000,000	By June 2018	Complete Structures, Work completion certificates, Library inventory, Internet services,	Minutes, BQs and drawings	TRCG, Training Dpt, BOG, Public works	TRCG, Development partners	Ongoing
HIV/AIDs, Drug and Substance abuse awareness campaign	Established YPs	12,000,000	By June 2018	Program of events, Participation data	Minutes and reports	TRCG, MOEST, Training Dpt, BOG	TRCG, MOEST, Development partners	Ongoing
Annual Youth polytechnic graduation ceremonies.	Established YPs	12,000,000	By June 2018	Program of events, Participation data, Certifications	Minutes and reports	TRCG, MOEST, Training Dpt, BOG, Instructors	TRCG, MOEST, Development partners	Ongoing
Prizes & awards	Established YPs	54,000,000	By June 2018	Program of events,	Minutes and reports	TRCG, MOEST,	TRCG, MOEST,	New

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
				Participation data, Certifications		Training Dpt, BOG, Instructors	Development partners	
Small Enterprise Development	County wide	1,000,000	By June 2018	Training programs, Participation data, Business enterprises, Certification	Minutes and reports	TRCG, MOEST, Training Dpt, BOG, Instructors	TRCG, MOEST, Development partners	Ongoing
Labour export	County wide	10,000,000	By June 2018	Appointments, MOUs, Partnership data	Employment data and reports	TRCG, MOEST, Training Dpt, BOG, PIA, trainees	TRCG, BOG, Development partners	New
Audit books of accounts	County wide	3,000,000	By June 2018	Audit reports	Finance records, Minutes	TRCG, MOEST, Training Dpt, BOG	TRCG, BOG, Development partners	Ongoing
Provision of furniture	County wide	48,000,000	By June 2018	Furniture inventory	Procurement plans, Minutes, Delivery notes	TRCG, MOEST, Training Dpt, BOG	TRCG, MOEST CDF BOG, Development partners	Ongoing

8.1.21 Health

Table : Implementation matrix - Health

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
Immunization (KEPI)	County Wide	20M	By June 2018	No. of under five years immunized per year,	Annual and Quarterly Health Reports,	Ministry of Health	GoK, TRCG	Ongoing
Malaria Prevention and Control Programme	County Wide	30M	By June 2018	No. of LLIT nets distributed, No. of pregnant women sensitized, No. of patient treated on Malaria	Annual and Quarterly Health Reports,	Ministry of Health	GoK, TRCG	Ongoing
Reduced Integrated Management of Childhood Illnesses (IMCI)	County Wide	20M	By June 2018	No. of health workers trained on IMCI,	Training Reports, Training Attendance Registers.	Ministry of Health	GoK, IMC, Unicef	Ongoing
TB control and care	County Wide	50M	By June 2018	No. of TB Patients treated, No. of people trained on TB prevention, Certified TB Drugs procured by June 2018.	Health TB Reports, Tender Documents.	Ministry of Health	GoK, TRCG	Ongoing
Reproductive Health.	County Wide	20M	By June 2018	No. of Health Workers	Training Reports,	Ministry of Health	GoK, TRCG	Ongoing

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status
				sensitized, No. of pregnant women sensitized and attended to, No. of health facilities with reproductive commodities and equipment.	Training Attendance Registers, Health records.			
Communicable Diseases Control/ Disease surveillance	County Wide	40M	By June 2018	No. of Health Workers sensitized and trained on effective case management, No. of communicable disease cases treated,	Training Reports, Training Attendance Registers, and Health records.	Ministry of Health	GoK, TRCG	Ongoing
Nutrition programme	County Wide	30M	By June 2018	No. of under fives on supplementary feeding, No. of facilities conducting growth monitoring, No. of established demonstration kitchen gardens, No. of homes visits.	Health records,	Ministry of Health	GoK, TRCG	Ongoing
Health Action Days/Integrated mobile health service outreaches	County Wide	50M	By June 2018	No. of campaigns done, No. of villages/towns visited, no. of people treated	Health Campaign Reports, Campaign photos	Ministry of Health	GoK, TRCG	Ongoing
Construction of a VIP Latrine at Sera Dispensary	Bilisa	1M	By June 2018	A constructed VIP latrine.	Works Completion Certificates, Photos	Ministry of Health	GoK, TRCG	Ongoing
Distillation of Ozi Dispensary Water Well	Ozi	1M	By June 2015	A function water well	Water Works completion Certificates, Photos.	Ministry of Health	GoK, TRCG	Ongoing
Improve staff skills through trainings and updates in management and service delivery	County Wide	150M	By June 2018	Number of staff trained per quarter	Training needs assessment reports Quarterly staff returns Annual staff training audit reports	County govt Development partners County officers	GoK, TRCG	Ongoing
Scaling up of Community units	All Sub-Counties	100 M	By June 2018	Number of units established Number of CHEWS trained Number of CHWs trained	Training reports, CBHIS reports.	County govt/ APHIA CDF Red Cross Wasichana Wote	GoK, TRCG	Ongoing

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
				Number of reports per month		Wasome County officers		
HIV/ TB/ RH/ MCH/ MALARIA programming	County Wide	50 M	By June 2018	Number of Target specific programmes implemented	Implementation reports	County Govt Partners	GoK, TRCG	Ongoing
Completion Waldena Health Centre	Waldena	30 M	By June 2016	Walderna Dispensary to be complete and ready to function by June 2014	Project assessment report Quarterly progress report Completion report	County govt/ CDF County officers	GoK, TRCG	Ongoing (stalled)
Inspection of food sites/ public institutions	Kipini, Hola, Garsen, Bura, Madogo, Ngao, Bangale	10M	By June 2018	100% of all food outlets inspected quarterly Public/private institutions inspected at least biannually	Quarterly and Biannual Inspection reports	County govt/ Devt partners/ CDF County officers	GoK, TRCG	Ongoing
Provision of Refuse collection services in the urban areas	Kipini, Hola, Garsen, Bura, Madogo, Ngao, Bangale	15M	By June 2014	Refuse collection and garbage dumps provided for in Hola, Kipini, Garsen, Bura, Madogo by June 2014; Three refuse collection vehicles (one per subcounty)	Stakeholder consultation minutes Physical planning/ Lands department reports. Environmental Impact assessment reports	County govt/ Development Partners/ CDF County officers	GoK, TRCG	Ongoing
Construction of community toilets	County Wide	250M	By June 2018	Number of toilets constructed	Completion Reports	County Government APHIA AGRO-GERMAN TEAM TEAM RED CROSS GIRL CHILD	GoK, TRCG	Ongoing
Fencing of all facilities in the County	County Wide	20M	By June 2016	Number of facilities fenced,	Tendering Documents, Photos,	Ministry of Health, Public Works	GoK, TRC	Ongoing
Integrating Nutrition status to school going youths	Rhoka Primary; Ndura Mixed Secondary; Masalani Primary	1.1M	By June 2018	No of pupils benefiting from dietary diversity No of schools implementing a nutrition education curriculum at all levels No of demonstration gardens and tree nurseries established No of 4-K and Young Farmers	Training manuals & Reports; Project progress & monitoring reports; Photographs; Attendance/ participant lists;	WHH/GAA; Department of Agriculture; Livestock Production; 4-K club & Young Farmers Clubs; School committee; County Nutrition Officer	WHH/GAA	New

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
				Clubs formed in and/ or revitalise No of poultry houses constructed; No of chicken procured; No of eggs produced; No of Kerosene Incubators procured and in use				
Renovations of Hola county Hospital	Hola	150M	By June 2018	% of work done	Works Completion Certificates, Photos	County health department	Ministry of health; CGTR	New
Purchase of ambulance	All sub-counties	50m	By June 2018	No. of ambulances purchased.	Reports; Minutes; Commissioning report;	County health department	Ministry of health; CGTR	New
Medical Specialists visits to referral facilities programme.	Hola(Chewani), Garsen South(Minjila and Ngao), Hirimani (Bura), Madogo (Madogo), Bangale (Bangale), Kipini East (Kipini)	5m	By June 2018	No. of medical camps organised; no. of patients attended	Reports; Minutes; Patient registers	County health department	Ministry of health; CGTR	New
Construction of Incinerators	Hola, Bura, Garsen, Kipini, Ngao.	20m	By June 2018	No. of Incinerators Constructed	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
Construction of Mortuary at Hola	Hola	15	By June 2018	% of mutuary completed	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
Construction of Mortuaries	Ngao, Garsen, Kipini, Bura, Madogo	60m	By June 2018	No. of mortuaries completed	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
Upgrading of Bura Sub-County Hospital-Maternity, Theatre, In Patient Unit	Bura	30m	By June 2018	% of work done	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
Expansion of ward facility and introduce theatre services at Garsen Health centre	Garsen	16m	By June 2018	% of coverage; no. of patients attended	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
Renovations of existing health	Kipini HC, Chariden	70m	By June 2018	No. of facilities renovated	Reports; Minutes; Site reports;	County health department	Ministry of health; CGTR	New

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
facilities.	de, Wenje, Nanighi, Pumwani , Galili, Haroresa , Meti, Oda, Chifiri, Bangali, Rhoka- Galole, Asako, KipaoAs ako, mororo, Sera, Maziwa, Boka, Lenda, Walesore a, Wayu Boro,				Commissioning report			
Construct facilities in the following underserved regions	Mnazini Ngumu Vumbwe Gamagur Kau Odhole Madingo Kone Wadesa Korati Makere- Gwano Elrar Kinakom ba Hara Hurara/ TanaSalt Ongonyo Rhoka- Bangale Titila Gururi Eka Ishirini Duwayo Gomesa Kibaoni Bura Kofira Hosingo Kalalani	200m	By June 2018	No. of facilities constructed	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
Installation of standby generators	Ngao, Bura, Kipini, Madogo, Bura	18m	By June 2018	No. of generators installed	Reports; Minutes; Commissioning report	County health department	Ministry of health; CGTR	New
Electrification of public health facilities	Countywide	250m	By June 2018	No. public health facilities with power	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New

Project/Programme Name	Location	Estimated Cost (Kshs)	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/Stakeholders	Source of funds	Implementation status
Purchase of water ambulance	Landlocked Areas-Ozi, Kipini	12m	By June 2018	No. Purchase of water ambulance	Reports; Minutes; Commissioning report	County health department	Ministry of health; CGTR	New
Construction of Public Toilets in Urban areas.	Hola, Bura, Garsen, Madogo, Tarasa, Oda, Kipini, Bangale, Minjila.	27m	By June 2018	No. of Public Toilets in Urban areas	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
Design and construct sewerage and drainage systems in Urban Centres	Madogo, Bura, Hola, Garsen	600m	By June 2018	No. of Designed and constructed sewerage and drainage systems in Urban Centres	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
Identification of land for Cemeteries and crematoria	County Wide	28m	By June 2018	No. of ha identified and acquired	Reports; Minutes;	County health department	Ministry of health; CGTR	New
Integrating Nutrition status to school going youths	County wide	14m	By June 2018	No. of youth beneficiaries	Reports; Minutes;	County health department	Ministry of health; CGTR	New
Construct placenta pits in all health facilities	County Wides	100m	By June 2018	No. of placenta pits constructed	Reports; Minutes; Site reports; Commissioning report	County health department	Ministry of health; CGTR	New
To provide jigger management services and distribute nets	Garsen	34m	By June 2018	No. of cases handled and no. of nets distributed	Reports; Minutes	County health department	Ministry of health; CGTR	New
Provision of CD 4 machine, laboratory networking	Hola Hospital	22m	By June 2018	No. of CD 4 machines in place	Reports; Minutes; Commissioning report	County health department	Ministry of health; CGTR	New
Reproductive health programme for girls in schools.	County wide	45m	By June 2018	No. of programmes in place and no. of beneficiaries	Reports; Minutes;	County health department	Ministry of health; CGTR	New
Bush clearing, tree planting	Hara, Bububu, Masalani, Kilindini, Mazuni, Maweni, Majengo	10m	By June 2018	No. of trees planted	Reports; Minutes; Site reports;	County health department	Ministry of health; CGTR	New

8.1.22 Governance, Justice, Law and Order-County Administration

Table : Implementation matrix- Governance, Justice, Law and Order

Project/Program me Name	Locatio n	Cost Kshs	Time Frame	M & E Indicators	M & E Tools	Implementi ng Agency	Source of Funds	Status
Peace Campaign Programme	County Wide	10m	By June 2015	Number of peace meetings held; Number of peace committees capacity build.	Minutes of peace committee meetings; progress reports.	Provincial Administrati on Kenya Police; Tana Peace Reconciliatio n and Developmen t.	County govt./GOK/World Bank; Tana Peace Reconciliation and Development	On going
Community Policing Programme	County Wide	10m	By June 2018	Number of member recruited and capacity built; Number of trainings held.	Progress reports; Training reports	Police; Community	County government/ GoK.	On going
Modern Communication Equipment	Hola, Bura, Madogo , Bangale Police stations	50m	By June 2018	Number of communication sets purchased and installed.	Reports from Police	Office of the President (Police)	GoK	On going
Base commander offices	County Wide	5m	By June 2018	Number of offices constructed; Work accomplished	Progress reports; Designs; Completion certificates	Office of the President; Department of Public Works	County/GoK	On going
Construct Probation office at Bura	Bura	20m	2013/2014	1 Probation office constructed.	Technical drawings Completion certificate Progress reports; Court placements orders. Offender trainings	County Govt;GoK; Dev. partners County officers; Community	GOK/TRCG	New project
Construct Boys Probation Hostel in the county	Galole (Hola)	30 m	2013/2016	1Boys Probation Hostel constructed.	Technical drawings Completion certificate Progress reports; Court placements orders. Offender trainings.	County Govt;GoK; Dev. partners County officers; Community	GOK/TRCG	New project
Construct a Girls probation Hostel in the county	Kipini (Garsen)	45m	2013/June 2018	1 Girls Probation Hostel constructed.	Technical drawings Completion certificate Progress reports; Court placements orders. Offender trainings	County Govt;GoK; Dev. partners County officers; Community	GOK/TRCG/CDF	New Project
Construct police posts	Asako, Walden a and	21m	By June 2018	Number of posts constructed;	Progress reports; Designs;	GoK; Department of Public	County/GoK	New

Project/Program me Name	Location	Cost Kshs	Time Frame	M & E Indicators	M & E Tools	Implementing Agency	Source of Funds	Status
	Asa Kone			Work accomplished	Completion certificates	Works		
Purchase of police vehicles	All Wards	45m	By June 2016	No. of vehicles purchased	Progress reports; Minutes; Commissioning reports	Public works; GoK; CGTR	GOK; CGTR	New
Construct GK Prison	Hola	25m	By June 2015	% of work done	Progress reports; Minutes; Commissioning reports	Public works; GoK; CGTR	GOK; CGTR	New
Construct a Police Station	Bangale	15m	By December 2015	No. police station constructd	Progress reports; Minutes; Commissioning reports	Public works; GoK; CGTR	GOK; CGTR	New
Construct boys probation hostels	Hola	30m	By June 2018	No. of hostels constructed	Progress reports; Minutes; Commissioning reports	Public works; GoK; CGTR	GOK; CGTR	New
Construct a girls probation hostel	Hola	30m	By June 2018	No. of hostels constructed	Progress reports; Minutes; Commissioning reports	Public works; GoK; CGTR	GOK; CGTR	New
Construct a court	Bura	25m	By June 2018	% of work done	Progress reports; Minutes; Commissioning reports	Public works; GoK; CGTR	GOK; CGTR	New

8.1.23 planning and Finance

Table : Implementation matrix- Planning and Finance

Project/Program me Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of Funds	Implementation status & Level
Bura sub-county planning unit	Bura	8m	By June 2015	Constructed planning unit	Procurement documents; Progress reports; Designs	Ministry of Devolution and Planning; Public works	GOK, TRCG	New
Continuous Monitoring & Evaluation	All Wards	25m	By June 2018	Number of monitoring and evaluation visits	Progress reports	Tana River County Government; Ministry of Devolution and Planning	GOK, TRCG	New
Enhancing & protecting revenue collection (Prudence in financial management)	County wide	20M	By June 2018	Automated systems in all revenue collection points; Increased revenue collected	Feasibility and appraisal reports	Tana River County Government	TRCG	New
Tana Investment Board	County wide	50M	By June 2015	An operational investment board by December 2013	Minutes of the County Executive Committee meetings	Tana River County Government	TRCG	New
Intra county socio economic committee	County wide	30M	By June 2015	Minutes of the county executive committee	Minutes of the County Executive Committee	County Executive Committee; Neighboring	TRCG	New

Project/Program Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of Funds	Implementation status & Level
				of September 2013; harmonized development plans; quarterly committee minutes	meetings	county government		
Expand and Equip Sub-County Information and Documentation Centre	Galole	15m	By June 2014	% of work done; Procured computers, scanners, photocopiers; Updated data bank ; Networked CIDC	Computers, Photocopiers, Scanners, Data Bank, Connected SIDC	Devolution and Planning.	GoK/AfDB and TRCG	New
Community Empowerment programme	Galole, Garsen and Bura	720,000	By June 2018	Number of trainings conducted	Training Reports, Quarterly Reports	Devolution and Planning.	GoK/AfDB and TRCG	Ongoing (10%)
Social Intelligence Reporting	Galole, Garsen and Bura	600,000	By June 2018	Number of SIR activities conducted	SIR Reports, Quarterly reports	Devolution and Planning.	GoK/Unicef and TRCG	Ongoing (10%)
Mapping of the income generating projects	County wide	3m	By June 2015	Resource data base	Reports; Photos	County government/Finance and Planning	County government	New
Automation of revenue collection system	County wide	5m	By June 2015	Automated county financial system	Certificates of partial completion ;	County government/Finance and Planning	County government	New
Establish and equipping ward planning unit	County wide	133.2m	By June 2018	No. of planning units; No. of equipments present	Reports; Photos; BoQ; Certificate of completion ; Permanent asset register.	Ministry of Devolution and Planning; public Works.	County government	New
County Statistical Survey	County wide	10M	By June 2016	County statistical data developed.	Procurement minutes, Field and staff training reports,	County government/Finance and Planning	County government	New
County Baseline Survey	County wide	3m	By June 2015	County baseline data developed.	Procurement minutes, Field and staff training reports,	County government/Finance and Planning	County government	New

8.1.24 Gender and Social Development

Table : Implementation matrix - Gender and Social Development

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
Gender office blocks in	Bura, Garisen, Hola and all other wards	72m	By June 2018	3 office blocks constructed	Procurement reports Contracting documents Certificate of completion	TRCG, GOK	TRCG	New
Multi-purpose social Halls in	Bura, Garsen, Hola	150m	By June 2018	3 social halls constructed	Procurement reports Contracting documents Completion certificate	TRCG, GOK	TRCG	New
Strengthening social development structures county wide	Bura, Garsen, Hola	10m	By June 2015	Functional development structures established in all wards, sub counties and county	Reports List of committee members Photos Minutes	TRCG, GOK	TRCG	New
Gender based violence coordination units in all wards	Bura, Garsen, Hola	30m	By June 2018	Functional gender based violence coordination units established	Reports	TRCG, GOK	TRCG	New
Drug abuse rehabilitation centres	Wenje, Garisen and Hola	60m	By June 2015	Functional and equipped center constructed	Reports On procurement Completion certificate	TRCG, GOK	TRCG	New
Cohesion & integration programme on peace for men and youth	In all wards	20m	By June 2018	Number of activities planned and executed	Reports Work plans photos	TRCG, GOK	TRCG	New
Audit programme on inclusion & participation of women from grass roots in all county development planning & implementation	Countywide	10m	By June 2018	Dissaggregated data collected on women	Reports	TRCG, GOK	TRCG	New
Tours and exchange visits for women to other parts of the country county wide	Countywide	5m	By June 2018	Number of tours and visits made/achieved	Reports Work plans	TRCG, GOK	TRCG	New
Role modeling and mentorship programme for women and the girl child county	Countywide	5m	By June 2018	Number of meetings held Visits achieved Number of forums and activities organised	Reports Photos meetings	TRCG, GOK	TRCG	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Source of funds	Implementation status & Level
wide								
County social programme for persons with albinism	Countywide	20m	By June 2018	Number of persons with albinism assisted	Reports Payrolls photos	TRCG ,GOK	TRCG	New
Ramp assessment for persons with disability.	Countywide	3.5m	By June 2018	Number of assessments made Areas visited	Reports Photos	TRCG,GO K	TRCG	New
Registration and capacity building of groups.	All Wards	8m	By June 2018	No. of groups registered	Reports; minutes	GoK; CGTR SOCIAL SERVICES	GoK; CGTR	New
Mainstreaming Gender, PWD issues in all sectors of development	All Wards	5m	By June 2018	No. of departments implementing gender issues	Reports; Minutes	GoK; CGTR SOCIAL SERVICES	GoK; CGTR	New
Social Development Grants	All Wards	100m	By June 2018	No. of beneficiaries; Amount of funds disbursed	Reports; Minutes	GoK; CGTR SOCIAL SERVICES	GoK; CGTR	New
Women Enterprise Fund	All Wards	60m	By June 2018	No. of beneficiaries; Amount of funds disbursed	Reports; Minutes	GoK; CGTR	GoK; CGTR	New
People with Disabilities Project	All Wards	50m	By June 2018	No. of beneficiaries; Amount of funds disbursed	Reports; Minutes	GoK; CGTR SOCIAL SERVICES	GoK; CGTR	New
Older persons cash transfer	All Wards	70m	By June 2018	No. of beneficiaries; Amount of funds disbursed	Reports; Minutes	GoK; CGTR SOCIAL SERVICES	GoK; CGTR	New
Persons with severe disability cash transfer	All Wards	50m	By June 2018	No. of beneficiaries; Amount of funds disbursed	Reports; Minutes	GoK; CGTR SOCIAL SERVICES	GoK; CGTR	New
Provision of grants to women and youths.	All Wards	75m	By June 2018	No. of beneficiaries; Amount of funds disbursed	Reports; Minutes	GoK; CGTR SOCIAL SERVICES	GoK; CGTR	New

8.1.25 Children

Table : Implementation matrix- Children

Project/Programme Name	Location	Estimated Cost	Time Frame	M&E Indicators	M&E Tools	Implementing Agency	Source of Funds	Implementation Status & Level
Construction of three children offices	County wide	30M	By June 2018	3 office units put up	Procurement reports, certificate of completion	TRCG County/GoK officers	TRCG, GoK	New
Child protection centre	Hola	15M	By June 2017	One Child protection centre established	Photographs, reports, Procurement reports,	Tana River County Government; Children	TRCG, GoK, Partners	New

Project/Programme Name	Location	Estimated Cost	Time Frame	M&E Indicators	M&E Tools	Implementing Agency	Source of Funds	Implementation Status & Level
					certificate of completion	department, Partners		
Create awareness on child rights and child protection in the county	County wide	200,000	By June 2018	Number of awareness sessions held	Reports, Participants list, Photographs	Tana River County Government; Children department, Partners	TRCG, GoK, Partners	Ongoing
Campaign against harmful cultural practices i.e. early marriages/early pregnancies and female genital mutilation	County wide	300,000	By June 2018	Number of awareness meetings held Number of girls rescued	Reports, Participants list, Photographs. No. of cases prosecuted	Tana River County Government; Children department	TRCG, GoK, Partners	ongoing
Support Charitable children institutions	County wide	300,000	By June 2018	Number of Charitable children institutions supported	Registration certificate Inspection report	Tana River County Government; Children department	TRCG, GoK, Partners	ongoing
Carry out child rescue missions	County wide	300,000	By June 2018	Number of cases of children rescued	Photographs	Tana River County Government; Children department	TRCG, GoK, Partners	ongoing
Upscale cash transfer for orphans and vulnerable children	County wide	1M	By June 2018	Number of orphans and vulnerable children receiving cash transfer	Payrolls, number of households receiving cash	Tana River County Government; Children department	TRCG, GoK, Partners	Ongoing
Child protection programme	County wide	500,000	By June 2018	Number of CPWG meetings held	Training reports, Minutes	Tana River County Government; Children department	TRCG	Ongoing

8.1.26 Sports

Table : Implementation matrix- Sports

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
Develop youths centres (sports academies)	Bura, Hola, Garsen	60M	By June 2018	No. of youth recruited No of trainers recruited	No of talent academies put up Certificate of completion	TRCG; GoK; External donors	TRCG; External donors	New
Construction of a Stadium	Garsen, Hola, Bura	140M	By June 2018	Stages of completion	Design plans Procurement plans Certificate of completion	TRCG; GoK; External donors	TRCG; External donors	New
Train team managers, coaches, referees and members	All Wards	2M	By June 2018	No of team managers trained; No of	Pictures during training; Certificate	TRCG; GoK; External donors	TRCG; External donors	New

Project/Program Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
				trainings; No of wards demonstrations	s; Reports			
Upgrade sub-county and ward sports grounds	All Ward	150M	By June 2018	No of sports grounds upgraded;	Procurement plans; Certificate of completion; Pictures of upgrades sports grounds.	TRCG; GoK; External donors	TRCG External donors	New
Fencing all play grounds with enough security personnel	Bura, Galole, Garsen	200M	By June 2018	No of sports grounds fenced; No of security personnel recruited; No of wards benefited	Pictures of fenced grounds;	TRCG; GoK	TRCG External donors	New
Train coaches and capacity build team members	All Wards	4M	By June 2018	No of coaches trained; No of teams taken through capacity building; No of trainings; No of demonstrations.	Pictures during training; Certificate s; Reports	TRCG; GoK; External donors	TRCG External donors	New
Construction of sports department offices.	Hola, Bura and Garsen	50M	By June 2016	No of office blocks built	Certificate of completion; Pictures of completed office blocks;	TRCG; GoK	TRCG External donors	New
Construct a Gymnasium	Hola	100M	By June 2017	Progress report; number of stages completed; number of stadium built	Certificate of completion, photographs	TRCG; County; GoK	Funding Technical input	New
Construct modern grounds	All Wards	20M	By June 2018	No of sports grounds developed;	Design plans; Procurement plans; Certificate of completion; Pictures of completed sports grounds	TRCG; GoK; External donors	TRCG; External donors	New
Provide sports kits	All Wards	7M	By June 2018	No of sports kits procured; No of teams benefitting	Pictures during distribution; Receipt reports;	TRCG; GoK; External donors	TRCG External donors	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
Sponsor teams (Transport and Meals)	All Wards	2M	By June 2018	No of teams sponsored; No of meetings in choosing the needy teams.	Reports on receipt of grants; Records of meetings;	TRCG; GoK; External donors	TRCG External donors	New
Develop a sports fields	Wenje and kipini	40M	By June 2018	No of sports grounds developed;	Procurement plans; Certificate of completion; Pictures of completed sports grounds	TRCG; GoK; External donors	TRCG; External donors	New
Provide grants to teams (Transport and meals)	All Wards	2M	By June 2018	No of teams provided with grants; No of meetings in choosing the needy teams;	Reports on receipt of grants; Minutes of meetings; List of teams to be offered grants.	TRCG; GoK; External donors	TRCG External donors	New
Upgrade Kilimo Grounds and Upgrade Village 1 to 12 fields	Bura	90.8M	By June 2018	No of sports fields added to the grounds;	Procurement plans; Certificate of completion; Pictures of completed sports grounds	TRCG; GoK; External donors	TRCG External donors	New

8.1.27 Heritage and Culture

Table : Implementation matrix- Heritage and Culture

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
Operationalisation of cultural offices and	Galole	50m	By June 2018	Number of offices/centres	Reports, photos and	County officers	TRCG	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies/ Stakeholders	Stakeholders Responsibility	Implementation status & Level
centres				es operationalised	Work plans	Devt partners.		
Cultural sensitization programmes	All Wards	15m	By June 2015	No. of capacity building workshops done No. of practitioners empowered	Reports, photos and Work plans	County/Devt partners County officers	TRCG	New
Identification/Preservation of cultural heritage sites.	All Wards	20m	By June 2017	No. of heritage sites	Reports, photos and Work plans	County/Devt. partners County officers	TRCG	New
Cultural tours and exchange visits.	All Wards	20m	By June 2017	No. of exchange	Reports, photos and Work plans	County/Devt. partners County officers	TRCG	New
Establish Museums	All Wards	35m	By June 2018	No. of museums established	Reports, photos and Work plans	County/Devt. partners County officers	TRCG	New
County cultural grant	All Wards	10m	By June 2017	No. of artists empowered	Reports, registers, photos and Work plans	County/Devt. partner County officers	TRCG	New
Hola and Bura Cultural Centres	Hola, Bura	7m	By June 2018	No. of centres established	Completion Reports and certificates; minutes	Social services; devt. partners	GoK; CGTR	New
County Culture Office	Hola	12m	By June 2015	% of work done	Completion Reports and certificates; minutes	Social services; devt. partners	GoK; CGTR	New
Madogo Cultural Centre	Madogo	15m	By June 2018	% of work done	Completion Reports and certificates; minutes	Social services; devt. partners	GoK; CGTR	New
Garsen Community Cultural Centre	Garsen	15m	By June 2018	% of work done	Completion Reports and certificates; minutes	Social services; devt. partners	GoK; CGTR	New
Registration and capacity building of cultural practitioners' groups	All Wards	5m	By June 2017	No. of groups registered	Reports; Minutes;	Social services; devt. partners	GoK; CGTR	New
Sample and Harness the potential of Kenya's Cultural heritage	All Wards	4m	By June 2018	No. of forums held	Reports; minutes	Social services; devt. partners	GoK; CGTR	New
Organise Community cultural festivals	All Wards	10m	By June 2017	No. of forums held	Reports; minutes	Social services; devt. partners	GoK; CGTR	New

8.1.28 Youth Development

Table : Implementation matrix- Youth Development

Project/Program me Name	Locatio n	Estimate d Cost	Implementati on Time Frame	M&E Indicators	M & E Tools	Implementi ng Agencies/ Stakeholder s	Stakeholder s Responsibility	Implementati on status & Level
Life skills training	County Wide	12m	By June 2018	No of training sessions held; No of youth trained	-Reports - Attendance lists	-County government -National government Development partners County officers	-National Government -County government	New
Labour Export Scheme	County wide	6m	By June 2015	No. of youth employed abroad No. of job placement done	Passports processed Work permits Visas	County Government National government Development partners	National Government County government	New
Constituency Youth Enterprise Fund County Wide	All Wards	45m	By June 2018	No. of beneficiarie s; Amount of funds disbursed	Reports; minutes	Youth development	GOK; CGTR	Ongoing
Youth Enterprise Development Fund	All Wards	50m	By June 2018	No. of beneficiarie s; Amount of funds disbursed	Reports; minutes	Youth development	GOK; CGTR	ongoing
Complete the construction of two(2) youth empowerment center (YEC)	Garsen Hola	40m	By June 2018	No. of centres constructed	Reports; minutes	Youth development	GOK; CGTR	New
Equip the Hola and Garsen youth empowerment centers	Hola, Garsen	15m	By June 2018	No. of centres equipped	Reports; minutes	Youth development	GOK; CGTR	New
Construct one (1) youth empowerment center at Bura	Bura	25m	By June 2018	No. constructed; completion rate	Reports; Minutes	Youth development	GOK; CGTR	New
Develop a skills inventory for all out of school youth.	County wide	5m	By June 2018	No. of data bank developed	Reports; minutes	Youth development	GOK; CGTR	New
Promotion of economic empowerment among youth	County wide	10m	By June 2018	No. of programme s initiated	Reports; minutes	Youth development	GOK; CGTR	New
Job creation for youths	County wide	90m	By June 2018	No. of youth employed/s elf engaged	Reports; minutes	Youth development	GOK; CGTR	New
Develop a labour export scheme for the youth	County wide	6m	By June 2018	No. of beneficiarie s	Reports; minutes	Youth development	GOK; CGTR	New

8.1.29 Special Programmes

Table : Implementation matrix- Special Programmes

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies / Stakeholders	Source of funds	Stakeholders Responsibility
Provision of food relief, shelter and NFIs to vulnerable households	All Wards	405.5 M	By June 2018	No of beneficiaries No of distribution cycles	List of beneficiaries, Post Distribution Reports, SRA/LRA reports	County/ Devt partners; WFP & NGOs/CBOs	GoK, County Government, WFP, NGOs	Ongoing and new
Enhanced Resilience to Disaster Risk, Conflict and Climate Change.	Walestokocha; Bilbil; After survey	300M	By June 2018	No of checkdams;	Technical designs; reports; tendering documents; evaluation reported	County; NDMA; NGOs,	County; NDMA;UN /NGOs	New
Flood mitigation and interventions / Emergency response to disaster	Tana County (River Tana Basin)	150M	By June 2018	No. of speed boats purchased/hired; No. of boat crew trained,	Tender documents; Photos; Certificates; Curriculum; List of trained crew	GoK; TRCG; UNDP; NDMA; Community; NGOs	GoK; TRCG; UNDP; NDMA; NGOs	New
Construction of foot bridges	Odha, Onwardei-Manono, Buranane, Golbanti-Burakarachi, Kipao-Ngao, Dibhe	100M	By June 2018	No of foot bridges constructed	Technical designs; reports; tendering documents; evaluation reported	County; NDMA; NGOs,	County; NDMA;UN /NGOs	New
Construction of dykes along weak banks of Tana River	Bardi :Hewani: Bura Rahma: Dumu Danisa; Kokona Garsen; Isowe Garsen; other 4 to be identified	100M	By June 2018	No of dykes constructed	Technical designs; reports; tendering documents; evaluation reported	County; NDMA; NGOs,	County; NDMA;UN /NGOs	New
Establish, Strengthen and support County Steering Groups, Sub-County Steering group and Ward Steering Groups Establish, Strengthen and support County sectorial/ministerial sub-committees	County, Sub-Counties, and Wards Levels	18M	By June 2015	No of county steering groups formed	Minutes; Reports; participant lists	County; NDMA;	County; GoK ;NDMA	Ongoing and New
Resilience Building through Natural Resources Management : Food Assistance for Assets (FFA)	Tana North, Tana River & Tana Delta Sub-counties	200M	By June 2018	No of beneficiaries; No of distribution cycles	List of beneficiaries; Post Distribution Reports; SRA/LRA reports,	County/ Development partners WFP & NGOs/CBOs	County/ Development partners WFP	Ongoing and new

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies / Stakeholders	Source of funds	Stakeholders Responsibility
Sinking of boreholes, rehabilitation, repair and or construction of shallow wells	Tana North, Tana River & Tana Delta Sub-counties Bangale;Chardende;Wardena; Assa;Hara;Hurara; other 4 to be identified	70M	By June 2018	No of boreholes	Technical desings; Tendering documents; Reports	County/ Development partners NGOs	County/ Development, partners, NGOs, UNDP & UN agencies	New
Restocking & destocking program	Tana North, Tana River & Tana Delta Sub-counties	150M	By June 2018	No beneficiaries; No of animals distributed	List of beneficiaries; Reports; Tendering documents; SRA/LRA reports	County/ Development partners NGOs	County/ GoK; Development, partners, NGOs, UNDP & UN agencies	New
Build community resilience to disaster	Tana North, Tana River & Tana Delta Sub-counties	75M	By June 2017	No of hay barns constructed;	Reports; List of beneficiaries; No of structures constructed	County/ Development partners NGOs	County/ GoK; Development, partners, NGOs, UNDP & UN agencies	Ongoing and New
Provision of contingency fund for drought response	Tana North, Tana River & Tana Delta Sub-counties	500M	By June 2017	No of beneficiaries; No of items distributed	Reports; list of beneficiaries; List of items distributed; Photographs;	County/ GoK; Development partners NGOs	County/ GoK; Development, partners, NGOs; UNDP & UN agencies	New
Responding to other disasters e.g. fire outbreak, in towns, market centres, pasture land, and households	Tana North, Tana River & Tana Delta Sub-counties	41.5M	By June 2017	No of vehicles/motorbikes purchased,	Reports, Tendering documents, Receipts, Photographs	County/ GoK; Development partners NGOs	County/ GoK; Development, partners, NGOs; UNDP & UN agencies	New
Establish, strengthen and support County Peace Committees, Sub- County Peace Committees and Ward Committees, Peace Elders, Women for Peace, Youth for Peace and Support to Rapid Response activities	Tana North, Tana River & Tana Delta Sub-counties	30M	By June 2018	No of county peace committees groups formed	Minutes; Reports; participant lists	County; NDMA;	County; GoK; ;NDMA	Ongoing and New
Enhance reconciliation and peaceful coexistence	Tana North, Tana River & Tana Delta Sub-counties	80M	By June 2018	No of Sub-Counties, and Wards Levels; No of peace meetings done/ sub-county annually; No of	Tendering documents; reports: list of participant;	GoK; County; NDMA; Community	County; GoK; ;NDMA	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies / Stakeholders	Source of funds	Stakeholders Responsibility
				youths trained; No of community leaders trained annually; No of community tournament/festival;				
Mapping of security risk areas in the county	Hotspots in all sub counties	3M	By June 2017	No of hotspots identified; Designed map of hotspots areas	Map of hotspots; assessment report	County; NDMA; Consultant; surveyors	County; GoK; NDMA	New
Purchase of four wheel drive vehicles and motorbikes for conflict rapid response for County peace committees	1County and 3Sub County	21M	By June 2018	No of vehicles/motorbikes purchased,	Reports, Tendering documents, Receipts, Photographs	County/GoK; Development partners NGOs	County/GoK; Development, partners, NGOs; UNDP & UN agencies	New
Community mobilization and development of voluntary weapon collection of small arms campaigns	Countywide	15M	By June 2018	No of sensitization workshops; No of fire arms surrendered	Reports, Photographs; List of participants; list of surrenders	County/GoK; Community	County/GoK; Development, partners, NGOs; UNDP & UN agencies	New
Establishment and construction of rescue centers	Tana North, Tana River & Tana Delta Sub-counties	15M	By June 2018	No of rescue centers	Technical designs; tendering documents; completion certificate; photographs; Reports; Field visits reports	County/GoK; Community	County/GoK; Development, partners, NGOs; UNDP & UN agencies	New
Build capacity of communities and stakeholders on Drought Risk Reduction, Climate Change adaptation, Social Protection and Ending Drought Emergencies (EDE), Hunger Safety Net	Tana River County	50M	By June 2018	No of trainings conducted;	List of participants; Reports; photographs	County/GoK; Community	County/GoK; Development, partners, NGOs; UNDP & UN agencies	Ongoing/ New
Substance and drug abuse interventions	County level	15M	By June 2018	No of participants/beneficiaries; No of trainings; rehabilitation	Minutes; List of participants/beneficiaries; reports; technical	County/GoK; Community; NGOs &	County/GoK; Development, partners, NGOs;	New

Project/Programme Name	Location	Estimated Cost	Implementation Time Frame	M&E Indicators	M & E Tools	Implementing Agencies / Stakeholders	Source of funds	Stakeholders Responsibility
				center structure completed; no of sensitization/campaigns	designs; tendering and procurement document; photographs	UN agencies	UNDP & UN agencies	
Establish, strengthen and support County Aids Control Committees	County; 3Sub-County; 15 wards	5M	By June 2018	No of committees formed; No of trainings conducted	Minutes; list of participants; list of committees; monthly/quarterly reports;	County/GoK; Community; NGOs & UN agencies	County/GoK; Development, partners, NGOs; UNDP & UN agencies	Ongoing and New
Support for PLWHAs in the county	Tana North, Tana River & Tana Delta Sub-counties	15M	By June 2018	No of groups formed; no of CBOs funded; no of items/food distributed; no of counseling sessions	Minutes; list of participants/groups; list of committees; monthly/quarterly reports;Photographs	County/GoK; Community; NGOs & UN agencies	County/GoK; Development, partners, NGOs; UNDP & UN agencies	Ongoing and New
Restoration and diversification of livelihood	Tana Delta	50M	By June 2015	No of beneficiaries No house constructed. No of animals distributed	List of beneficiaries Tendering documents Photographs.	County/GoK; Community; NGOs & UN agencies	County/GoK; Development, partners, NGOs; UNDP & UN agencies	New and Ongoing
Improve early warning system on conflict, drought and floods	County; 3 Sub-County; 15 Wards	80M	By June 2018	No.of community radios established; No. of monthly reports; frequency of information distribution; No. of communities informed	Tender documents; Photo; Minutes of the CEC; Ward admin reports.	County/GoK; Community; NGOs & UN agencies	County/GoK; Development, partners, NGOs; UNDP & UN agencies	New
Coordination, M & E, Operation and Maintenance	County; 3 Sub-County; 15 Wards	40M	By June 2018	No. of Monthly supervision reports ; No. of quarterly M&E ; No of Annual reports.	Reports; M&E reports; Receipts; Photos; Payment schedule;	County/GoK; Community; NGOs & UN agencies	County/GoK; Development, partners, NGOs; UNDP & UN agencies	New
HIV/AIDS prevalence reduction campaign	All Wards	30m	By June 2018	% Reduction in prevalence rate; No. of persons on ARVs;	Reports;	County/GoK; Community; NGOs & UN agencies		Ongoing
Long term food security programme	All Wards	300m	By June 2015	No. of HH food secure	Reports;	County/GoK	GOK; CGTR	ongoing

8.2 Summary of Monitoring and Evaluation Performance Indicators

The following performance indicators will determine the impact of projects and programmes in various sectors.

Sector / Indicators	Present situation 2012	Mid term projection 2015	End term projection June 2018
Human Development			
Infant mortality rate	91.3/1000		
Immunization for under 1 year olds	62.2%		
Doctor /population ratio	1:60,976		
Primary school Gross Enrolment Rate	60.4		
Secondary school Gross Enrolment Rate	16.7		
Pre primary school Gross Enrolment Rate	56.3		
Primary school teacher/ pupil ratio	1:48		
Secondary school teacher/ pupil ratio	1:18		
County Literacy level	33.9		
Physical Infrastructure			
Bitumen, Murram /gravelled roads (Km)	300	150	300
Households with electricity connection	761	1,511	2,011
Households using solar power	0.9		
Households using firewood /charcoal	87.5		
Household using kerosene /gas (cooking)	0.4		
Research, Innovation and Technology			
Public telephones	n.k		
Mobile coverage	45%		
Internet Connections	n.k		
Agriculture and Rural Development			
Gazetted forests	1	4	7
Agricultural and Livestock co-operatives	15	18	22
SACCOs	6	10	15
Wage employment	3.2		
Absolute poverty	76.9		
Environment, Water and Sanitation			
Access to potable water	30%	60%	70%
Total % of area explored for irrigation	10%	15%	20%
Trade, Tourism and Industry			
Average number of international tourists to Tana National Primate Reserve			
Special Programmes			
HIV/AIDS incidence	4		
Population relying on relief food	56.3		

Appendix I: County Fact Sheet

Information Category (2012)	Statistics
Area (Km²)	
Total area	38,862.20
Water mass	3,223
Gazetted forest	3,457
National Parks/Reserves	3,059.5
Arable land	2,547
Non-arable land	31,798.70
Total Urban areas	553.4
Number of towns	3
Topography and Climate	
Lowest altitude (m)	0
Highest altitude (m)–Bilbil	200
Temperature Range	
High (January –March)°c	41
Low (June –July)°c	20.6
Rainfall (mm)	
High	900
Low	280
Average Relative humidity (%)	85
Wind speed (Km/hr)	10
Demographic Profiles	
Population Size (2012)	262,684
Total male population	131,140
Total female population	131,544
Male /Female sex ratio (males per 100 females)	99.7
Projected population:	
Mid plan period (2015): Total	287,422
Male	143,490
Female	143,932
End of plan period (June 2018): Total	305,194
Male	152,363
Female	152,831
Infant population (under 1 year): (2012)	
Female	5,361
Male	5,723
Total	11,084
Population under five: (2012)	
Female	25,910
Male	26,786
Total	52,696
Primary school age group (6-13): (2012)	
Female	31,236
Male	32,881
Total	64,117
Secondary school age group (14-17): (2012)	
Female	10,819
Male	11,472
Total	22,291
Youth population (15-30): (2012)	
Female	38,447

Information Category (2012)	Statistics
Male	33,676
Total	72,123
Labour force (15-64): (2012)	
Female	61,477
Male	58,814
Total	120,291
Reproductive age-group (15-49): (2012)	
Female	56,361
Aged population (65 and above): (2012)	
Female	3,625
Male	4,002
Total	7,627
Eligible voting population (18 and above): (2012)	
Bura Constituency	38,482
Galole Constituency	28,376
Garsen Constituency	45,065
Total	111,923
Registered voters: (2012)	
Bura Constituency	24,949
Galole Constituency	19,374
Garsen Constituency	28,714
Total	73,037
Urban population: (2012)	
Female	18,097
Male	18,188
Total	36,285
Rural population: (2012)	
Female	113,247
Male	113,152
Total	226,399
Population Density (Pop/Km ²): (2012)	
Galole	7
Garsen	7
Bura	7
Crude Birth Rate per 1000 women	48.4/1000
Crude Death Rate per 1000 live births	12.9/1000
Infant Mortality Rate (IMR) -deaths/1000	71/1000
Neo-Natal Mortality Rate (NNMR)-deaths/1000 (Coast Province)	45/1000
Post Neo-Natal Mortality Rate (PNNMR)-deaths/1000 (Coast Province)	33/1000
Child Mortality Rate- deaths/1000	56/1000
Under five mortality rate- deaths/1000	91/1000
Life expectancy –(years)	
Average	53.8
Male	52.6
Female	55.0
Total number of households	47,414
Average household size	5.1
Number of female headed households	7,376
Children needing special protection: Orphans (below 18)	7,838
Distribution of population by disability type (%):	
Missing:	
Hand	0
Foot	0

Information Category (2012)	Statistics
Blind (visual)	0.7
Deaf (Hearing)	0.5
Dumb (speech)	0.4
Mental	0.5
Paralysed (physical selfcare)	0.9
Other	0.1
None	96.9
Poverty Indicators	
Absolute Poverty (2006)	
Average (%)	76.9
Number	207,366
Contribution to national poverty (per centage)	0.8
County Rural poor:	
Per centage	79.1
County Urban poor:	
Per centage	74.7
Food poverty: (2005/06)	
Per centage	56.3
Income per capita (Kshs)- 2006	9,127
Sectoral contribution to household income (%):	
Agriculture & Livestock	82.2
Rural Self Employment	7.1
Wage Employment	3.2
Urban Self Employment	7.5
Number employed per sector:	
Agriculture & Livestock	218,532
Rural Self Employment	18,876
Wage Employment	8,507
Urban Self Employment	19,939
Crop Farming	
Average Farm size (small scale)-ha	1
Average Farm size (large scale)-ha	4
Per centage of farmers with title deeds	4.3
Total acreage under food crop (ha)	7,527
Total acreage under cash crop (ha)	7,063
Total acreage under soil/land conservation (ha)	239
Total acreage under farm forestry (ha)	30
Total acreage under organic farming (ha)	95
No of Main storage facilities (on farm) Houses, barns, granaries	National cereals, on farm storage, Store in the house, granaries.
Livestock Farming	
Number of ranches:	
Company ranches (DAC)	5
Group ranches	0
Cooperative ranch	1
Private ranch	1
Total	7
Average size of ranches (ha)	28,866.43
Main livestock breeds (numbers)	
Cattle indigenous	269,894
Goats indigenous	484,220
Sheep Indigenous	272,852

Information Category (2012)	Statistics
Camels	49,082
Poultry	109,105
Donkeys	17,590
Land carrying capacity (acres/TLU)	10
Bee keeping apiaries	50
Bee hive types and numbers	
KTBH	713
Lang troth	1,109
Log	6,120
Total	7,942
Cattle milk production:	
Quantity (Litres)	11,870,000
Value (Kshs)	949,600,000
Camel milk production:	
Quantity (Litres)	4,740,000
Value (Kshs)	474,000,000
Beef production:	
Quantity (Kg)	231,520
Value (Kshs)	74,086,400
Camel meat production:	
Quantity (Kg)	45,180
Value (Kshs)	18,072,000
Mutton production	
Quantity (Kg)	24,440
Value (Kshs)	9,776,000
Egg production	
Quantity (Trays)	3,300
Value (Kshs)	891,000
Poultry meat production	
Quantity (Kg)	4,700
Value (Kshs)	1,880,000
Honey production	
Quantity (Kg)	70,850
Value (Kshs)	35,425,000
Pork production:	
Quantity (Kg)	0
Value (Kshs)	0
Fisheries production	
Number of fishermen	1,488
Number of fish farm families	1,488
No. of fish ponds	900
Area of fish ponds (m ²)	300
Main species of fish catch (tonnes)	
Tilapia	77.6
Clarias	159.5
Protopterus	63.06
Catfish	44.99
Marine species	221.17
Others	46.62
Fishing effort (hours)	2
No. of landing beaches	4
Fishing gear (2012)	
Fishing nets	949

Information Category (2012)	Statistics
Hooks/lines	6,152
Traps	10
Motor boats	98
Dhows	31
Canoes	16
Marine Seine Nets	29
Fish harvest (2012)	
Weight (Kgs)	684,482
Value (Kshs.)	171,120,500
Wildlife resources	
Number of animal types/species	17
Wildlife estates-private, game management (national parks/reserves)	6
Number of staff of KWS camps	75
Poaching control measures; Number of poachers arrested Number of firearms confiscated	2 0
Forestry-2012	
Number of gazetted forests	2 (Mangrove forest swamps & Kipini Provisional Forests)
Number of non-gazetted forests Blocks eg (Wayu, Kokani, Hirimani, Bangale, Mbalambala, Mwina, Hewani)	7
Size of gazetted forests (ha)	355,988.65
Size of non-gazetted forests (ha)	334,139.25
Main forest products	Timber, poles, herbs, honey, wax, resins, gums, water, faunal and floral habitat
Non timber forests products harvested (posts and poles)	5,947
Value(Kshs.)	2,973,500
Seedlings production per year	120,000
Number of seedlings planted	100,000
No of farms engaged in farm forestry	100
Average number of trees per farm (1 ha)	1,100
Number of Community Forest Associations(CFA) established	4
Quantity of timber produced(m ³) on-farm production	913
Environment	
Pollution: Type of pollution and their sources Number per project/programme	Liquid waste, solid waste, air pollution, noise pollution Exhaust fumes
Number of recycling plants/amount of recycled waste	0
Number of EIAs endorsed	14
Number of Environment Audits executed	0
Number solid waste management sites	0
Main types of solid wastes	Polythene bags, human waste,
Sources of solid waste	Households, health facilities, businesses, bars and restaurants, guest houses and offices.
Number of hilltops and slopes and mountain areas protected	0

Information Category (2012)	Statistics
Number of rivers, lakes and wetlands protected (river line forests along river Tana protection through patrols by forest guards)	1
Total fresh water available	-
Distribution of water uses	-
Number of water resource users association	4
Number of water permits per category	-
Number of rivers with environmental flows	1
Number of ground water sources	-
Proportion of house with roof catchment	-
Number of coastal sites protected	0
Number of quarry sites rehabilitated (In Nanighi location in Bura division renovated through planting of trees)	1
Mines, Minerals, Quarrying and Estimate quantities	
Mining activities: Mineral type- Gypsum Quantity harvested per year (tones)	30,900
Co-operatives	
Number of registered cooperative societies by type:	
SACCOs	6
Agriculture	7
Livestock	8
Consumer	2
Multipurpose	5
Total	28
Number of active societies	12
Number of dormant societies	16
Key cooperatives which have collapsed in the last 5 years	11
Total Registered Members by Type	
SACCO	1,028
Agriculture	1,098
Livestock	325
Consumer	206
Multipurpose	272
Total turnover by type (Kshs)	
SACCO	4,095,000
Agriculture	420,000
Livestock	46,000
Consumer	800,000
Multipurpose	71,540
Health Sub Sector	
Number of health posts:	
Hospitals(Public): District	2
Sub-District Hospitals	1
Nursing homes	0
Health centres (Public)	5
Health Centres (Private)	1
Dispensaries (Public)	40
Dispensaries (Mission/NGO)	2
Private clinics	20
Private pharmacies	5
Bed Capacity per category of health facilities	
Hospitals(Public): District	108
Sub-district	50
Dispensaries (Public)	0
Health centres (Public)	5
Total (public facilities)	158

Information Category (2012)	Statistics
Nursing homes	0
Health Centres (Private)	0
Total(private)	0
Community distribution by distance to the nearest health facility (%)	
0-1 Km	33.8
1.1-4.9 Km	18.3
5km and more	47.9
Average distance to health facility (Km)	6
Doctor/population ratio	1:60,976
Clinical Officer/ Population ratio	1:18,168
Nurse/population ratio	1:2,110
HIV prevalence (%)	4
% of women over 18 on contraceptives	34.3
% of children under one year fully immunized	76
% of expectant mothers attending ANC	32
% distribution of children (under five) by place of delivery:	
Hospital	19.5
Health centre	1.8
Dispensary	0
Clinic	0
Maternity home	2.4
Home	75.9
Health facility deliveries	
Delivery Assistance	
% of children under five delivered through doctor	1
% of children under five delivered through midwife/ nurse	22.2
% of children under five delivered through TBA	75.6
% of children under five delivered through trained TBA	-
% of children under five delivered through self delivery	0.8
% of children under five delivered through other Channels	-
Morbidity Rates (%)- per centage of population by incidence of sickness	
Male	15.7
Female	23.5
Total	19.6
Malaria Control (%)-Children under 5 years who sleep under bed net	
Untreated net	49.4
Treated net	15.0
Five most prevalence disease- No of cases reported	
Diseases of respiratory system	82,920
Diarrhoea diseases	43,188
Malaria	15,699
Diseases of the skin	12,686
Pneumonia	12,481
Education Sector	
Pre-school	
Number of ECDE centres	315
Number of ECDE teachers	464
Teacher/ Pupil ratio	1:51
Total enrolment:	15,629
Female	7,248
Male	8,381

Information Category (2012)	Statistics
Gross Enrolment Rate (%)	
Average	56.3
Female	42.7
Male	55.6
Net Enrolment Rate (%)	
Average	45.9
Female	36.7
Male	52.1
Drop-out rate %	7.7
Average years of attendance	2.7
Completion Rate (%)	
Average	92.3
Female	70.0
Male	91.1
Retention rate (%)	90.21
Transition Rate (%)	
Average	53.67
Primary School:	
Number of primary schools	152
Number of teachers	1,219
Teacher/pupil ratio	1:40
Total enrolment:	
Average	38,187
Female	16,452
Male	21,735
Gross Enrolment Rate (%)	
Average	60.4
Female	51.9
Male	68.5
Net Enrolment Rate (%)	
Average	49.2
Female	42.3
Male	55.8
Drop-out rate (%)	
Average	15.1
Female	22.1
Male	8.1
Average years of attendance	8
Completion rate (%)	56.8
Retention rate (%)	90.2
Transition rate (%)	
Average	53.7
Female	46.1
Male	60.9
Communities' distribution by distance to nearest public primary school (%)	
0-1Km	
1.1-4.9Km	33.8
5Km and more	18.3
	47.9
Secondary School:	
Number of secondary schools	13
Number of teachers	150
Teacher/pupil ratio	1:32
Total enrolment:	
Average	4,903
Female	1,603
Male	3,300
Gross Enrolment Rate (%)	16.7
Net Enrolment Rate (%)	13.0

Information Category (2012)	Statistics	
Drop-out rate (%)	13.0	
Average years of attendance	4	
Communities' distribution by distance to nearest public primary school (%)		
0-1KM	3.1	
1.1-4.9KM	11.3	
5KM and more	85.6	
Number of tertiary institutions:		
Public universities	0	
Private universities	0	
University campuses/colleges	0	
National polytechnics	0	
Science and technology institutes	0	
Other public colleges	0	
Youth polytechnics	3	
Private accredited colleges	0	
Private non-accredited colleges	0	
Literacy (Population aged 15+)		
Ability to read:		
Can read (%)	40.4	
Cannot read (%)	59.6	
Ability to write:		
Can write (%)	33.7	
Cannot write (%)	66.3	
Ability to read and write:		
Can read and write (%)	33.9	
Cannot read and write (%)	66.1	
Human Development Indicators	Regional	County
Human Development Index (HDI)	0.5268	0.3892
Human poverty index (HPI)	32.4	53.2
Gender Development index (GDI)	0.4609	0.3398
Youth Development index (YDI)	0.5530	-
Water and Sanitation		
Number of households with access to piped water from water supply	3,044	
Number of households with access to portable water	-	
Number of permanent rivers	1	
Number of shallow wells	150	
Number of protected springs	0	
Number of unprotected springs	0	
Number of water pans	45	
Number of dams	0	
Number of boreholes	12	
Number of households with roof catchment systems	277	
Average distance to nearest water point (km)	4	
Household distribution by time taken to fetch water (%)		
0	2.3	
1-4 minutes	30.9	
5-14 minutes	27.8	
15-29 minutes	15.7	
30-59 minutes	13.5	
60 + minutes	9.7	
Number of Water Resource User Associations(WRUA) established	4	
Households with latrines (%)	17	
Community distribution by type of main toilet facility (%):		

Information Category (2012)	Statistics
VIP Latrine	1.5
Pit Latrine (Covered/Uncovered)	26.9
Bucket	0.2
Other	0.2
None	68.1
Community distribution by type of waste/ garbage disposal (%)	
Collected by local authority	0
Collected by private firm	0
Garbage pit	15.5
Burning	73.2
Public Garbage heap	3.7
Farm garden	7.2
Neighbourhood community group	0
Other	1.1
Energy	
Number of trading centres with electricity	5
Number of trading centres without electricity	3
Number of health facilities with electricity	4
Number of health facilities without electricity	30
Number of secondary schools with electricity	5
Number of secondary schools without electricity	6
House hold distribution by main cooking fuel (%)	
Fire wood	87.5
Grass	0.6
Paraffin	0.4
Electricity	0
Gas (LPG)	0
Charcoal	11.4
Biomass residue	0
Biogas	0
Other	0
House hold distribution by main lighting fuel	
Fire wood	5.9
Paraffin	86.7
Electricity	2.5
Solar	0.9
Gas (LPG)	1.3
Others	2.7
Household distribution by cooking appliance (%)	
Traditional stone fire	87.2
Improved traditional stone fire	2.4
Ordinary jiko	2.8
Improved jiko	7.2
Kerosene stove	0.4
Gas cooker	0
Electric cooker	0
Other	0
Number of institutions using improved wood-fuel, cooking stoves	7
Number of institutions using LPG	35
Number of institutions using kerosene	2
Number of institutions using solar energy	3
Number of institutions that have established woodlots	7
Transport & Communication:	
Road Length:	

Information Category (2012)	Statistics
Bitumen surface (KM)	300
Gravel surface (KM)	276
Earth surface (KM)	2,500
Total (KM)	3,076
Railway line length (KM)	0
Railway stations	0
Sea/lake ports	0
Airports/airstrips	5
Number of telephone connections (landline)	115
Mobile network coverage (%)- along B8	55
Number of cyber cafes	1
Number of private courier services (PSV vehicles)	5
Number of post offices	3
Number of sub-post offices	
Licensed stamp vendors	3
Community distribution by distance to nearest post office (%)	
0-1KM	0
1.1-4.9KM	20.3
5KM and above	79.7
Wholesale and Retail Trade & Industry	
Number of trading centres	15
Number of registered retail traders	885
Number of registered wholesale traders	30
Industry	
Manufacturing industries	0
Bakeries	0
Jua kali associations	3
Jua kali artisans	80
Tourism	
Hotels by category:	
Five star	0
Four star	0
Three star	0
Two star	0
One star	34
Unclassified hotels	30
Bars and restaurants	
Hotel bed capacity by category:	
Five star	0
Four star	0
Three star	0
Two star	0
One star	0
Unclassified hotels	175
Financial Services	
Commercial bank	2
Micro finance institutions	1
Building societies	0
Village banks	20
Insurance companies/branches	0
Housing	
Household distribution by main wall material (%)	
Stone	1.9
Brick/block	5.7
Mud/wood	41.1
Mud/cement	8.2
Wood only	12.1
Corrugated iron sheets	0.7

Information Category (2012)	Statistics
Grass straw	29.5
Tin	0.1
Other	0.6
Household distribution by main floor material (%)	
Cement	11.4
Tiles	0.2
Wood	0.3
Earth	88.0
Other	0.2
Household distribution by main roofing material (%)	
Corrugated iron sheets	26.4
Tiles	0.4
Concrete	0
Asbestos sheets	1.4
Makuti	13.9
Tin	0.1
Other	1.2
Number of government houses by category:	
LG	340
MG	157
HG	50
Active women groups	340
Number of active community based organizations	175
Community Based Projects	
Constituency Development Fund	
Number of projects	110
Amounts disbursed (Kshs)	185,449,134
Local Authority Transfer Fund	
Number of projects	140
Amounts disbursed (Kshs)	170,000,000
Social Development Grants	
Number of projects	66
Amounts disbursed (Kshs)	937,000
Youth Enterprise Fund(C-YES)	
Number of youth groups that have benefited: Total	64
Bura Constituency	20
Galole Constituency	24
Garsen Constituency	20
Youth Enterprise Development Fund	
Amounts disbursed (Kshs)	2,400,000
Number of youth groups and their activities	385
Adult literacy attendance classes:	
Male	40.2
Female	27.6
Number of OVC (under OVC- CTP)	7,325

Source: KNBS, County Development Office, Tana River, 2012

Appendix II: Sites per ward for development of ECD centres, Cattle dips, Crushes and Hides & Skins centres

F/Y	ECD CENTERS	DISPENSARIES	CATTLE DIPS	CRUSHES	HIDES&SKINS
WAYU WARD					
2015/16	1) Ongola 2) Haboye 3) Kesi	1) Titila 2) Koticha Milima	1) Gururi 2) Wayu-Boro	1) Haboye 2) Ongola 3) Malkadende	1) Tiltila
2016/17	1) Chifiri 2) Dayate 3) Koticha Milima	1) Gururi 2) Chifiri	1) Lakole 2) Kalalani	1) Daba, 2) Koticha Odowan, 3) Dayati	1) Wayu boro
2017/18	1) Malkadende 2) Doke 3) Wayu Duka	1) Hakoka 2) Daba	1) Konekaliti 2) Hakoka	1) Gofisa 2) Elboka 3) Kesi.	1) Chifiri
GARSEN NORTH					
2015/16	1) Lazima primary 2) Kinyadu	1) Abaganda 2) Kibaoni	1) Kambole 2) Abaganda	1) Adad 2) Tawakal	1) Kibaoni
2016/17	1) Hewani primary 2) Lazima primary	1) Maziwa 2) Adad	1) Kurole 2) Tawakal	1) Maebeed 2) Kambole 3) Ngumu	1) Kurole
2017/18	1) Peponi primary	1) Hewani 2) Kulesa	1) Maziwa 2) Adad	1) Matainema 2) Kurole 3) Abaganda	1) Maziwa-wardei
HIRIMANI WARD					
2015/16	1) Bisadi 2) Kaniki 3) Gale 4) Hirimani village 5) Take	1) Titila-Muka 2) Bula Sukele	1) Metti 2) Hosingo	1) Metti 2) Walesorea 3) Titila	1) Bura town
2016/17	1) Village 8 2) Hallo 3) Bula rig 4) Chirwa 5) Bisil Dera	1) Baraka village, 2) Makini village	1) Bisadi 2) Walestokoch a	1) Walesorea 2) Bisikdera 3) Take	1) Hosingo
2017/18	1) Amani 2) Dayate 3) Fahari 4) Sabukiya 5) Bula imani	1) Hosingo 2) Walestokoch a	1) Titila 2) Eltutu	1) Koba 2) El-neka 3) Hosingo	1) Walesorea
CHEWELE WARD					
2015/16	1) Darime 2) Kamudha 3) Bilbil 4) Shikaadabu 5) Sero	1) Darime 2) Dukanotu	1) Wadesa 2) Chardende	1) Wadesa 2) Bilbil 3) Chardende	1) Chardende
2016/17	1) Tune 2) Wadesa 3) Dukanotu 4) Nanighi 5) Wekoye	1) Ghamano 2) Shikaadabu	1) Bilbil 2) Matagala	1) Matasala 2) Kamudhe 3) Dukanotu	1) Bilbil
2017/18	1) Nanighi 2) Madasala 3) Shamano	1) Nanighi 2) Jajabu	1) Darime 2) Dukanotu	1) Nanighi 2) Gelmand/Nanighi junction	1) Nanighi/Matag ala

F/Y	ECD CENTERS	DISPENSARIE S	CATTLE DIPS	CRUSHES	HIDES&SKINS
	4) Wadesa				
	5) Mutotini				
SALA WARD					
2015/16	1) Bula Baraka	1) Anole	1) Maramtu	1) Maramtu	1) Maramtu
	2) Bakuyu A	2) Mororo	2) Sombo	2) Sombo	
	3) Mororo A			3) Sala	
	4) Anole				
	5) Taleo				
2016/17	1) Sombo	1) Dhidha	1) Sala	1) Gubatu	1) Sombo
	2) Maramtu	2) Maramtu	2) Abakik	2) Anole	
	3) Ziwani			3) Bulabaraka	
	4) Sala				
	5) Mororo				
2017/18	1) Sikusita	1) Bula Baraka	1) Anole	1) Abakik	1) Sala
	2) Mororo C		2) Hambares	2) Hambares	
	3) Hambares	2) Abakik		3) Taleo	
	4) Bakuyu B				
	5) Abakik				
GARSEN CENTRAL					
2015/16	1) Ramada	1) Dibe	1) Galili	1) Kipao	1) Kipao,
	2) Wolokona	2) Onkolde	2) Kipao	2) Dibe	
	3) Galili			3) Onkolde	
	4) BaridiBura crashi				
2016/17	1) Kipao	1) Bandi	1) Dibe	1) Galili	1) Galili
	2) Guba haroni	2) Gomesa	2) Danisa	2) Gomesa	2) Danisa
	3) Dibe			3) Danisa	
	4) Dumu				
	5) Onkolde				
2017/18	1) Danisa	1) Hongonyo	1) Honganyo	1) Hongonyo	
	2) Kone mamo	2) Dumu	2) Gammesa	2) Bandi	
	3) Kamba			3) Wolkona	
	4) Baliangeti				
	5) Malimani				
KIPINI WEST					
2015/16	1) Odole	1) Odole	1) Mandingo	1) Mandingo	1) Mandingo
	2) Kokomo	2) Marafa	2) Odole	2) Odole	
	3) Marafa			3) Marafa	
2016/17	1) Tara	1) Tarasalt	1) Marafa	1) Handaraku	1) Odole
	2) Semikaro	2) Riketa	2) Handaraku	2) Akikomo	
	3) Kibokoni			3) Nduru orma	
2017/18	1) Matarba		1) Tara	1) Tara	1) Nduru
	2) Shirikisho		2) Kikomo	2) Mwanja	
	3) Dauka			3) Tarasalt	
MIKINDUNI WARD					
2015/16	1) Kone	1) mikinduni	1) Kalkacha	1) Mikinduni	1) Mikinduni
	2) Handampya	2)chenani	2) Mikinduni	2) Kalkacha	
	3) Bondeni		3) Lenda	3) Handampya	
	4) Kalkacha				
2016/17	1) NYS	1)Handampia	1) Bondeni	1) Bondeni	1) Kalkacha
	2) Wata	2)kalkacha	2) Handampya	2) Lenda	
	3) Mikinduni			3) Wata	
	4) Bondeni				

F/Y	ECD CENTERS	DISPENSARIES	CATTLE DIPS	CRUSHES	HIDES&SKINS
2017/18	5) Lenda 1) Mikinduni 2) Chanani 3) Kelokelo 4) Kone	1)Kone 2)Bondeni	1) NYS 2) Chanani	1) Kalkacha 2) Kelokelo 3) Kone	1) Bondeni
MADOGO WARD					
2015/16	1) Konoramadha 2) Watawarsesa 3) Adama 4) Buradima 5) Hasako	1) Konoramadh 2) Adama,	1) Madogo 2) Hasako	1) Konoramadha 2) Mulanjo 3) Rhoka	1) Hasako
2016/17	1) Lakhabadana 2) Malkamanza 3) Mulanjo 4) Bula Baraka 5) Korati	1) Malkamasa 2) Ziwani,	1) Rhoka 2) Mulanjo	1) Hasako 2) Dirisa 3) Buradima	1) Madogo
2017/18	1) Madogo 2) Adele 3) Ziwani 4) Bojimanguda 5) Adama	1) Masguda 2) Ndirisa	1) Boji hasako 2) Bara	1) Watawargesa 2) BojiMadogo 3) Rhoka	1) Rhoka
KIPINI EAST WARD					
2015/2016	1) Kipini 2) Matangeni 3) Shauri Moyo 4) Ziwani 5) Gatundu	1) Shauri moyo 2) Kao Village	1) Kipini village	1) Kipini Village 2) Kilelengwani 3) Ozi village	1) Kilelengwani area
2016/2017	1) Maweni(ZamZam) 2) Mapunga 3) Kilelengwani 4) Kau	1) Mchelelo 2) Kilelengwani Location	1) Ozi	2) Kizulini 3) Mapunga 4) Onino	1) Ozi location 2) Mpeketoni (Ozi)
2017/2018	1) Ozi 2) Riketa 3) Mchelelo	1) Zam Zam 2) Kaloleni	1) Kilelengwani	1) Mchelelo 2) Riketa	
BANGALI WARD					
2015/2016	1) Bangale 2) Kamaguru 3) Baleneka 4) Mitiboma 5) Bultobanta	1) Kuriti 2) Tula	1) Kuriti 2) Baleneka	1) El-rar 2) Basahargesa 3) Baleneka	1) Bangale
2016/2017	1) El-rar 2) Boka 3) Basahargesa 4) Bula Secondary 5) Duhus	1) Yakirid 2) Lebile	1) Bangale 2) Boka	1) Lebile 2) Duhus 3) Mitiboma	1) Boka
2017/2018	1) Mansole 2) Biyagadud 3) Kamakil 4) Wangi 5) Tula	1) Baleneka 2) El-rar	1) Kamaguru 2) Tula	1) Yakariti 2) Kuriti 3) Kamaguru	1) Kuriti
GARSEN SOUTH WARD					

F/Y	ECD CENTERS	DISPENSARIE S	CATTLE DIPS	CRUSHES	HIDES&SKINS
2015/2016	1) Burakofira 2) Gubani 3) Kibusu 4) Furaha 5) Onwardei	1) Buragofira 2) Kibusu	1) Odha 2) Burakofira	1) Odha 2) Burakofira 3) Minjila	1) Oda
2016/2017	1) Maderte 2) Gumbo 3) Buraanani 4) Egekumbi 5) Minjila	1) Minjila A 2) Minjila B	1) Kibusu 2) Onwardei	1) Kibusu 2) Tarasaa 3) Onwardei	1) Kibusu
2017/2018	1) Buracrashi 2) Burakofira 3) Golbanti 4) Dalu 5) Odho	1) Onwardei 2) Tarasa	1) Maderte 2) Kumba	1) Buraannan 2) Maderti 3) Kumba	1) Minjila
GARSEN WEST WARD					
2015/2016	1) Bora Imani 2) Hamesa 3) Konkona 4) Jua Kali 5) Tullu	1) Chira 2) Gerarsa	1) Korlabe Malka 2) Konkona Malka	1) Kone 2) Oldoganda 3) Assa	1) Garseni
2016/2017	1) Odo Ganda 2) Egatibilisa 3) Sheli 4) Dase Guti 5) Iddi	1) Odoganda 2) Korkona	1) Malka Charicha	1) Bariti 2) Chira 3) Korlabe	1) Assa
2017/2018	1) Malakoteni 2) Kajesteni(P) 3) Hamesa 4) Kajesteni(W) 5) Onkorati	1		1) Sheli 2) Tullu 3) Tank 'E'	1) Masalani
KINAKOMBA WARD					
2015/2016	1) Gaturu 2) Maweni 3) Makere 4) Masalani 5) Hara	1) kilindini 2) Gaturu	1) Haroresa 2) Gafur	1) Hara 2) Gafuru 3) bula	1) Gafuru
2016/2017	1) Maroni 2) Wenje 3) Haroresa 4) Vukoni 5) Kilindini	1) Maroni 2) Bububu	1) Hara 2) Wenje	1) Haroresa 2) Harambee 3) kilindini	1) Haroresa
2017/2018	1) Duwayo 2) Bububu 3) Fanjua	1) Mukomoni 2) Duwayo	1) Bula 2) Bububu	1) Duwayo 2) majengo	