

REPUBLIC OF KENYA



TURKANA COUNTY GOVERNMENT

TURKANA COUNTY

SECOND ANNUAL DEVELOPMENT PLAN

2015/16



COUNTY VISION AND MISSION

County Vision

A prosperous, peaceful and just county with an empowered community enjoying equal opportunities.

County Mission

To facilitate socio-economic transformation of Turkana through sustainable use of resources to ensure a high quality of life for all residents.

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ABBREVIATIONS AND ACRONYMS

AIDS	Acquired Immune Deficiency Syndrome
A-in-A	Appropriation in Aid
ARV	Anti-Retroviral
ASAL	Arid and Semi-Arid Lands
BPS	Budget Policy Statement
CBAHC	Community Based Animal Health Care
CBOs	Community Based Organizations
CBROP	County Budget Review and Outlook Paper
CDPO	County Development Planning Officer
CEAP	County Environment Action Plan
CEC	County Executive Committee
CFSP	County Fiscal Strategy Paper
CFW	Cash for Work
CHW	Community Health Worker
DOL	Diocese of Lodwar
EMCA	Environment Management and Coordination Act
FBO	Faith Based Organizations
FFW	Food for Work
GAM	Global Acute Malnutrition
HIV	Human Immuno-Deficiency Virus
ICT	Information Communication Technology
IDC	Information and Documentation Centre
IDs	Identification Cards
IGA	Income Generating Activities
KEMSA	Kenya Medical Supplies Agency
KHIBS	Kenya Integrated Households Budget Survey
KPHC	Kenya Population and Housing Census
LAPSSET	Lamu Port-South Sudan-Ethiopia Transport
M&E	Monitoring and Evaluation
MDGs	Millennium Development Goals
MSMEs	Micro, Small and Medium Enterprises
MTEF	Medium Term Expenditure Framework
MTP	Medium-Term Plan
NEMA	National Environmental Management Authority
NGO	Non-Governmental Organization
OVCs	Orphans and Vulnerable Children

PM&E	Participatory Monitoring and Evaluation
PMC	Project Management Committee
PMTCT	Prevention of Mother to Child Transmission
PPP	Program Based Budget
PPP	Public Private Partnerships
PPR	Peste Petit Ruminants
SACCO	Savings and Credit Cooperative Society
SWG	Sector Working Groups
SWOT	Strengths, Weaknesses, Opportunities and Threats Analysis
TBAs	Traditional Birth Attendants
TRP	Turkana Rehabilitation Project
WRUA	Water Resource Users Association

MAP OF TURKANA COUNTY

Map: 1: Turkana County

FOREWORD

PREAMBLE AND ACKNOWLEDGEMENTS

EXECUTIVE SUMMARY

Turkana County is situated in the North Western part of Kenya. The County is administratively divided into 7 sub-counties, 30 wards, 56 locations that are further sub-divided into 156 sub-locations. The settlement patterns in the county are determined by various factors such as climate, soil fertility and infrastructure.

The Turkana people are traditionally pastoralists and the only notable migration pattern is rural to rural movement in the form of nomadism. Rainfall in the county follows a fairly erratic pattern varying significantly both over time and space. The county, however, experiences both short and long rains. The driest months are January, February and September. The long rains season falls between the months of April to July. Short rains occur during the months of October, November and December.

The county population during the Kenya Population and Housing Census of 2009 stood at 855,399. The county population average growth rate is 6.4% per annum. This puts the total county population in 2012 at 1,036,586 and the figure is projected to increase to 1,256,152 people in 2015 and to 1,427,797 by 2017 assuming constant mortality and fertility rates.

The county is endowed with many natural resources including sun, oil and minerals like gold. It is deemed to have the largest gold deposits in the country because even from a closer look, there are many areas within the county that people practise mining of gold but on small scales. The county has ten blocks of oil deposits that are now under exploration.

These resources once they are fully harnessed and utilised appropriately shall bring rapid growth development in the county. The county being in a strategic position and sharing its borders with three countries stands a better chance to link trade among the three countries and even boost bilateral trade agreements between Kenya and its neighbours. It stands to be the next frontier of development in the country considering under the vision 2030 there shall be a resort city at Eliye springs beach along the Lake Turkana.

Some of the constraints faced by the County include; capacity challenges, poverty, low funding/delay in funds disbursements, poor infrastructure, high illiteracy levels, insecurity,

understaffing, recurrent drought-diverting investments, ineffective partnerships, corruption, lack of sustainability measures like maintenance, under-investment of properties, outbreak of diseases both for human and animals, leadership gaps, poor community participation in development, gender–imbalance, inadequate information sharing mechanisms amongst development stakeholders, lack of energy infrastructure and uncoordinated.

The new governance structures ushered in by the new constitution which lays emphasis on project identification at the community level through participatory process has enhanced project ownership by the communities. This has triggered a number of economic activities which has led to remarkable improvement in the quality of life at the community level.

To achieve the set goals in the plan, the county will put in place institutional structures which will help in implementation, monitoring and evaluation of the proposed projects. The M&E structure in the county will adopt the bottom-up approach strategy. The team that will take a leading role in implementation and M&E shall comprise of government technical officers, community representatives, NGOs representatives, donor and other stakeholders.

The Annual Development Plan is divided into four chapters as follows:

Chapter 1: Gives the county background information and the situation analysis which is contained in the County Fact Sheet.

Chapter 2: Deals with the socio-economic development challenges with emphasis on how the ADP links with the country’s Constitution, the Vision 2030 and the Second Medium Term Plan. Mainstreaming of MDGs in the ADP is also discussed in this chapter.

Chapter 3: Deals with development Programmes and Sub-programmes to be undertaken by different MDAs in the county during the plan period. Clear goals, objectives, expected outcomes, indicators and project costs are spelt out clearly.

Chapter 4: Sets the M&E framework and defines mechanisms and tools for monitoring and evaluation

CHAPTER ONE

COUNTY BACKGROUND 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. The chapter 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.

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

1.1 Position and Size

Turkana County is situated in North Western Kenya. It borders West Pokot and Baringo Counties to the south, Samburu County to the South East, and Marsabit County to the East. Internationally it borders South Sudan to the north, Uganda to the west and Ethiopia to the north east. The County shares Lake Turkana with Marsabit County. The total area of the county is 68,680.3 Km² and lies between Longitudes 34⁰ 30' and 36⁰ 40' East and between Latitudes 1⁰ 30' and 5⁰ 30' North.

1.2 Physiographic and Natural Conditions

1.2.1 Physical and Topographic Features

The physiographic features in the county include low lying open plains, mountain ranges and river drainage patterns.

Lake Turkana is at an elevation of 360 meters (1,181 feet) while the surrounding basin is anywhere from 375-914 meters (1,230-3,000 feet).

The main mountain ranges of the county are Loima, Lorengippi, Mogila, Songot, Kalapata, Loriu, Kailong'kol and Silale mountains. The mountain ranges, because of their high elevation, are normally green, covered with dense bushes and high woody cover. The ranges support important economic activities like honey production, grazing during the dry season, wood production, and charcoal production. There are also water catchment sources thus supporting gum Arabica growing and small household *shambas*. The hills in the county consist of Tepes Hills in Kibish Division, Lokwanamoru Hills and Lorionotom Hills in Kaikor Division, Pelekech Hills in Kakuma Division and Loima Hills in Loima Division which are characterized by large forests.

The open lying plains consist of the Kalapata and Lotikipi Plains. The plains form part of the arid area in the County and receive the lowest amount of rainfall of around 180 mm per annum. These plains are dominated by dwarf shrub and grassland, which provide forage for livestock during and shortly after the rainy season. However, this forage dries rapidly at the onset of the dry season.

Rivers Tarach, Kerio, Kalapata, Malimalite and Turkwel are the major rivers in the county making them the most important with a potential of producing large amounts of food for the county, if properly utilized.

Lake Turkana is the largest and most saline of the Rift Valley lakes. There is no outlet, and with reduced inflows and high evaporation this results into depositing of salt in the soil and capping on the surface. The water level is subject to three to four metres seasonal fluctuations. In total, the water level dropped 10m between 1975 and 1992. River Omo from Ethiopia which is permanent drains into Lake Turkana. The lake is situated on the eastern part of the county and has northern island and is endowed with a variety of wild animals namely: hippos, crocodiles and water fowls. Fishing is the major activity in the lake.

Soils in Turkana County are not well developed due to aridity and constant erosion by water and wind. Often they are capped by stone mantles. Colluvial soils tend to be reddish over the basement system and generally grey buff or white over the volcanoes. Aeolian soils are dune sands either active or fossil; Alluvial soils range from coarse sands to flash flood silts, while black or brown clays occur locally in areas of impended drainage.

1.2.2 Ecological Conditions

The county is endowed with the Lake which is a world heritage; it also has a number of rivers that flow into the lake. These include Rivers Turkwel and Kerio among others that are seasonal. The County also has several springs which are scattered across the county especially parts of the lake zones and the Turkana East.

There are insufficient details showing agro-ecological zones by Division but the zones in proportion can be estimated as below-

- Lower midland zone 5 (semi-arid) 3%

- Inner midland zone 4 (transition) 1%
- Inner lowland zone 5 (semi-arid) 16%
- Inner lowland zone 6 (arid) 42%
- Inner lowland zone 7 (very arid) 38%

The forest cover in the county is held in trust by the Local Government where communities utilize all natural resources without many restrictions. There is no gazetted or surveyed forest in the County.

1.2.3 Climatic Conditions

Turkana County is arid and semi-arid and is characterized by warm and hot climate. The temperatures range between 20°C and 41°C with a mean of 30.5°C.

The rainfall pattern and distribution is erratic and unreliable both with time and space. There are two rainfall seasons. The long rains (*akiporo*) usually occur between April and July and the short rains between October and November and ranges between 52 mm and 480 mm annually with a mean of 200 mm. The driest periods (*akamu*) are January, February and September. The rainfall is distributed on an east-west gradient with more rainfall in the western parts and other areas of higher elevation. The rainfalls in brief violet storms resulting in flush floods. The surface runoff and potential evaporation rates are extremely high.

Due to the low rainfall and high temperatures there is a lot of evapo-transpiration resulting into deposition of salt in the soil and capping on the surface. As a result, only about 30 per cent of the county's soil can be rated as moderately suitable for agricultural production. These moderately fertile soils are found at the central plains of Lorengippi, the upper Loima, the lowlands of the Turkwel, Nakaton and Kawalathe drainage along the lake at the lower Kalokol, Turkwel and Kerio rivers and a portion of the Loriu Plateaus.

For the last two and a half decades, the county has frequently suffered from failures of the annual rains. However, years 2006, 2007 and 2011, witnessed a higher than expected rainfall. This resulted to flash floods with many parts of the county experiencing loss of livestock and pasture.

1.3 DEMOGRAPHIC FEATURES

1.3.1 Population Size and Composition

According to the Kenya Population and Housing Census (KPHC) 2009 results, the County population stood at 855,399. It is projected to have a total population of 1,036,586 in 2012 and 1,427,797 in 2017. These projections are based on a population growth rate of 6.4 percent assuming constant mortality and fertility rates. The increase in the overall population will call for more investment in economic and social facilities such as health services, educational facilities, agriculture and livestock sectors to provide food and employment opportunities. Table 1 provides population projections based on 2009 population census.

Table 1: Population Projections by Age Cohorts

Age	2009			2012 (Projections)			2015 (Projections)			2017 (Projections)		
	(Census)			Male	Female	Total	Male	Female	Total	Male	Female	Total
	Male	Female	Total									
0-4	57,530	54,049	111,579	69,716	65,497	135,213	84,483	79,371	163,854	96,027	90,216	186,243
5-9	71,898	66,175	138,073	87,127	80,192	167,319	105,582	97,178	202,760	120,009	110,457	230,466
10-14	77,156	66,405	143,561	93,499	80,471	173,970	113,303	97,516	210,819	128,786	110,841	239,626
15-19	66,881	52,307	119,188	81,047	63,386	144,434	98,215	76,813	175,027	111,635	87,309	198,944
20-24	43,110	37,149	80,259	52,241	45,018	97,259	63,307	54,553	117,860	71,957	62,008	133,965
25-29	30,703	30,850	61,553	37,206	37,385	74,591	45,087	45,303	90,390	51,248	51,494	102,742
30-34	21,742	24,234	45,976	26,347	29,367	55,714	31,928	35,588	67,516	36,291	40,450	76,741
35-39	17,473	21,423	38,896	21,174	25,961	47,135	25,659	31,460	57,119	29,165	35,758	64,924
40-44	14,240	15,130	29,370	17,256	18,335	35,591	20,911	22,218	43,130	23,769	25,254	49,023
45-49	11,584	11,644	23,228	14,038	14,110	28,148	17,011	17,099	34,110	19,336	19,436	38,771
50-54	9,211	9,137	18,348	11,162	11,072	22,234	13,526	13,418	26,944	15,375	15,251	30,626
55-59	6,892	6,823	13,715	8,352	8,268	16,620	10,121	10,020	20,140	11,504	11,389	22,893
60-64	6,010	5,436	11,446	7,283	6,587	13,870	8,826	7,983	16,808	10,032	9,074	19,105
65-69	3,419	3,129	6,548	4,143	3,792	7,935	5,021	4,595	9,616	5,707	5,223	10,930
70-74	2,771	2,349	5,120	3,358	2,847	6,204	4,069	3,450	7,519	4,625	3,921	8,546
75-79	1,470	1,390	2,860	1,781	1,684	3,466	2,159	2,041	4,200	2,454	2,320	4,774
80+	2,741	2,530	5,271	3,322	3,066	6,387	4,025	3,715	7,740	4,575	4,223	8,798
age NS	238	170	408	288	206	494	350	250	599	397	284	681
TOTAL	445,069	410,330	855,399	539,342	497,244	1,036,586	653,583	602,569	1,256,152	742,891	684,906	1,427,797

Source: County Statistics Office, Turkana 2014

As shown in Table 1 there are more males than females for all age-cohorts. The County has a young population with 60% being under the age of 19 years. The County's population is set to grow to 1,427,797 by the year 2017. This represents an increase of 67 per cent for the period 2009 to 2017. This calls for the urgent management of the population and introduction of specific programs to curb this trend. Analyzing target audience behaviour and use of the persuasive power of mass media is critical in enhancing attainment of socio-economic development.

The intensive process should involve sensitizing the community on issues of population and family planning and reproductive health and building their capacities on the benefits of family planning to their families and communities.

Table 2: Population Projections by Special Age Groups

Age groups	2009			2012 (Projections)			2015 (Projections)			2017 (Projections)		
	(Census)			Male	Female	Total	Male	Female	Total	Male	Female	Total
Under 1	7,881	7,649	15,530	9,550	9,269	18,820	11,573	11,233	22,806	13,155	12,767	25,922
Under 5	57,530	54,049	111,579	69,716	65,497	135,213	84,483	79,371	163,854	96,027	90,216	186,243
Primary school Age (6-13)	123,970	111,089	235,059	150,229	134,619	284,848	182,050	163,134	345,184	206,926	185,425	392,351
Secondary School age (14-17)	50,279	39,103	89,382	60,929	47,386	108,315	73,835	57,423	131,257	83,924	65,269	149,193
Youth Population (15-29)	140,694	120,306	261,000	170,495	145,789	316,284	206,609	176,669	383,278	234,841	200,810	435,650
Reproductive age – female (15-49)	205,733	192,737	398,470	249,311	233,562	482,872	302,118	283,034	585,152	343,401	321,709	665,110
Labour force (15-64)	227,846	214,133	441,979	276,107	259,490	535,597	334,591	314,454	649,045	380,311	357,422	737,733
Aged Population (65+)	10,401	9,398	19,799	12,604	11,389	23,993	15,274	13,801	29,075	17,361	15,687	33,048
Total	824,334	748,464	1,572,798	998,941	907,001	1,905,942	1,210,533	1,099,118	2,309,651	1,375,945	1,249,305	2,625,250

Source: County Statistics Office, Turkana 2014

Table 2 shows population projection of selected age groups with 2009 as the base year and projections. These include, population of under 1 year, under 5, primary school going age (6-13 years), secondary school going age (14-17years), the Youth (15-29 years), female reproductive age group (15-49) years, the labour force (15-64 years) and the aged population of 65 years and above. These age groups have been identified for analysis because of their critical role in the socio-economic development of the County.

Population distribution by special age groups is vital for planning purposes. It helps to put in place long-term strategies aimed at addressing age specific needs and issues such as mortality for children below five years, education for school going age group, labour force for the 15 to 55 years population and the dependent population. Similarly, it offers policy makers with the necessary information to analyze and interpret the causes of various dynamics that result in population structure changes and the arising challenges.

Children under 1 year

The population of this age group increased from 15,530 in 2009 to 18,820 in 2012 and is expected to increase to 25,922 by 2017. Male children are a majority in this age group standing at 9,550 while the females stand at 9,269 in 2012. To plan for this age group, key priorities shall include planning for future enrolment into educational institutions and in making decisions which will put more emphasis to child care e.g. immunization in the health sector.

Pre- School going Age (Under 5 years):

The population of this age group is expected to increase from 111,579 in 2009 to 135,213 in 2012 and 186,243 by 2017. Male children stand at 69,716 while the girls at 65,497 in 2012. Important decisions or priorities includes making decisions regarding early childhood development (ECDE) which provide a foundation for meeting the child's cognitive, psychological, moral and emotional needs.

Primary School Age (6-13 years)

The population for this age group in 2009 was 235,059. It grew to 284,848 and is expected to increase to 392,351 by 2017. This growth is expected to maintain the pressure on primary school facilities and the teacher pupil ratio at primary school level is not expected to change significantly.

Secondary School Age (14-17 years)

The population in this age group now stands at 108,315 and is expected to rise to 149,193 by 2017. Increase in population for this age group implies that the education facilities should be equipped to handle the marginal increase. This calls for continued investment in social and physical infrastructure like schools, training institutions and employment creation.

Female Reproductive Age Group (15-49 years)

In 2009 the population of the female reproductive age group (15-49 years) was 192,737 and currently it stands at 233,562 in 2012. This is projected to reach 321,709 in 2017. This age group is the single most important determining factor of population growth hence one of the main interventions by the health sector will be to improve both child and maternal health.

Youth (15-29 years)

This age group had a population projection of 261,000 in 2009 increasing to 316,284 in 2012 and is expected to reach 435,650 in 2017. This youth age bracket comprises 31.78 per cent of the population.

Over the last few years the government and other development partners have initiated projects geared towards empowering the youth economically. For these initiatives to succeed, it is prudent to analyze the age dynamics of this age group and how its growth rate will affect the focus and success of projects.

Labour Force (15 – 64 years)

This age group was 441,979 in 2009 and is projected to increase to 535,597 in 2012. This represents 49.34 percent of the total population. This is the economically active age group whose increase will require a commensurate increase in creation of job opportunities. Due to increase of this age group, it becomes necessary to offer training to the group to make it more productive. Majority of the population in this age group are engaged in the livestock sub-sector mainly pastoralism. In order to absorb the increasing labour force, investment in diverse sectors such as modern agricultural, livestock marketing, mining, fishing, agri-business, and eco-tourism is required. The increase in devolved funds in the County has created employment

opportunities. Local contractors employ casual labourers from among the community members and also offices are set up at devolved levels absorb the community members amongst their staff.

Aged population (65+ years)

The population of this age group in 2012 is 23,993 and is expected to increase to 33,048 by 2017. This is a dependent age group and their increase in number calls for the Government and partners to come with programmes such as cash transfers for the elderly.

Table 3: Population Projection by Urban Centres

Urban Centres	2009			2012 (Projections)			2015 (Projections)			2017 (Projections)		
	(Census)			Male	Female	Total	Male	Female	Total	Male	Female	Total
	Male	Female	Total									
Lodwar	22,349	23,019	45,368	27,083	27,895	54,978	32,819	33,803	66,623	37,304	38,422	75,726
Kakuma	16,820	15,142	31,962	20,383	18,349	38,732	24,700	22,236	46,936	28,075	25,274	53,350
Lokichoggio	9,313	8,382	17,695	11,286	10,157	21,443	13,676	12,309	25,985	15,545	13,991	29,536
Total	48,482	46,543	95,025	58,751	56,402	115,153	71,196	68,348	139,544	80,924	77,688	158,612

Source: KPHC 2009

Lodwar Town has the highest population projected to be 54,978 in 2012. The high number in these urban centres is attributed to more influx of people seeking employment and the availability of infrastructure and social amenities. According to the Cities and Urban Areas Act of 2012, only the above three urban centres qualify to be classified as Towns. There is need for improved infrastructural facilities and social amenities in these towns.

1.3.2 Population Density and Distribution

The population density in the county varies from 24 persons per Km² in Turkana Central Constituency to 5 persons per Km² in Turkana East Constituency. The average population density in the County is 12 persons per km². This is based on the 2009 Kenya Population and Housing Census.

Settlement patterns in Turkana County correspond with natural resource endowment. This is exhibited by low population densities in the rural areas and high population in towns and

market centers where economic opportunities prevail. Lake Turkana as a resource has influenced a high settlement patterns in the areas along it.

Table 4: Population Density and Distribution by Constituency

CONSTITUENCY	2009		2012 (Projections)		2015 (Projections)		2017 (Projections)	
	(Census)		Population	Density (Km ²)	Population	Density (Km ²)	Population	Density (Km ²)
	Population	Density (Km ²)						
TURKANA CENTRAL	134,674	24	163,200	29	197,768	35	224,792	40
TURKANA NORTH	129,087	7	156,430	9	189,564	11	215,467	12
TURKANA WEST	245,327	14	297,291	17	360,262	21	409,490	24
LOIMA	119,932	13	145,336	16	176,120	20	200,186	22
TURKANA EAST	90,466	5	109,628	6	132,849	7	151,002	8
TURKANA SOUTH	135,913	18	164,702	22	199,588	27	226,860	31
Total	855,399	12	1,036,587	15	1,256,151	18	1,427,797	21

Source: County Statistics Office, Turkana 2011

Turkana Central has the highest concentration of people because it is the County headquarters and has many infrastructural and social amenities. There are also more opportunities, such as job opportunities, in the town than in other areas. On the other hand, Turkana East has the smallest population density densities because of the insecurity levels in the area which is mainly caused by cattle rustling.

Table 5: Population Projections by Constituency

Constituency	2009 (Census)			2012 (Projections)			2015 (Projections)			2017 (Projections)		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
TURKANA CENTRAL	66459	68215	134674	80,536	82,664	163,200	97,595	100,174	197,768	110,931	113,862	224,792
TURKANA NORTH	68655	60432	129087	83,197	73,232	156,430	100,820	88,744	189,564	114,596	100,871	215,467
TURKANA WEST	128853	116474	245327	156,146	141,145	297,291	189,220	171,042	360,262	215,076	194,414	409,490
LOIMA	60080	59852	119932	72,806	72,530	145,336	88,227	87,893	176,120	100,283	99,903	200,186

TURKANA EAST	48431	42035	90466	58,689	50,939	109,628	71,121	61,728	132,849	80,839	70,163	151,002
TURKANA SOUTH	72591	63322	135913	87,967	76,735	164,702	106,600	92,988	199,588	121,166	105,694	226,860
Total	445,069	410,330	855,399	539,342	497,244	1,036,586	653,583	602,569	1,256,152	742,891	684,906	1,427,797

Source: Kenya Population and Housing Census, 2009

Turkana West Constituency is the most populated because of the refugee camp in Kakuma. On the other hand, Turkana East has the least population due to insecurity along the border with West Pokot. From table 5, the projections indicate that the population is expected to almost double by 2017 to 1,427,797.

However, for the county to achieve the targets set by the County's Vision there is need for comprehensive measures to be taken to maintain the population at manageable levels. This will reduce the strain on the limited resources available.

1.4. HUMAN DEVELOPMENT INDICATORS

Table 6: Human Development Indicators for Turkana County

Indicators	Weight (County)	Weight (National)
Human Development Index (HDI)	0.3331	0.561
Youth Development Index (YDI)	0.5952(Regional)	0.5817
Gender Development Index (GDI)	0.4943(Regional)	0.4924
Human Poverty Index (HPI)	0.613	0.291

Source: Kenya National Human Development Report, 2009

Human Development Index

Human Development Index (HDI) is an indicator of long and healthy life, 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 and secondary and tertiary levels and Gross Domestic Product (GDP) per capita measured in Purchasing Power Parity (PPP) in US dollars. Table 6 shows that the Turkana County Human Development Index is lower than that of the country. Therefore it can be concluded that the residents of the county are not doing well in the three respects.

Human Poverty Index

The index brings together different areas of deprivation which means the denial of the most basic opportunities and choices. Unlike the Human Development Index, Human Poverty Index measures the most deprived in the country in the same three areas. In the table 6 the

country is doing better than the county. Thus the policy makers should identify the aspect which the residents are most deprived and prioritize it.

Gender Development Index

It's a measure of how gender inequality in knowledge acquisition, longevity and health and standard of living affect human development. The gap between the Gender Development Index and the Human Development Index is a measure of gender inequalities. Table 6 shows that there is a significant variation between the county's Human Development Index and the Gender Development Index. It can therefore be concluded that the county is still not free from gender inequalities. Policies need to be put in place to reduce the gap and empower women.

Youth Development Index

It's a youth development index based on; acquisition of wealth, access to education and training, access to labour markets (employment and income), longevity of life (sexual and reproductive health), access to social services opportunities and conditions. Table 6 shows that YDI of the county is slightly above that of the country. However, a lot needs to be done to improve the index and ensure that the youth lead better lives in future.

1.5 ADMINISTRATIVE AND POLITICAL UNITS

1.5.1 Administrative sub divisions (districts, divisions and locations)

The county is administratively divided into 6 sub-counties, 17 divisions, 56 locations that are further sub-divided into 156 sub-locations.

The Table 7 shows administrative units by division.

Table 7: Administrative Units by Division

District	Division	Area (km²)	No. of Locations	No. of Sub-locations
Turkana South	Lokichar	4536.6	3	7
	Kainuk	1684.1	2	6
	Katilu	1143.1	1	4
Turkana East	Lomelo	4215.9	5	9
	Lokori	7091.2	4	11

Turkana North	Kaaling	8225.8	4	13
	Lapur	2436	3	7
	Lokitaung	1857.8	4	11
	Kibish	5633.2	3	7
Turkana West	Oropoi	5534.8	3	11
	Kakuma	3466.5	3	10
	Lokichoggio	8264.8	6	13
Turkana Central	Kerio	2704.2	3	8
	Kalokol	2139.9	3	8
	Central	831.8	2	5
Loima	Turkwel	5485.8	4	14
	Loima	3429.0	3	12
	Total	68,680.3	56	156

Source: 2009 Kenya Population and Housing Census

1.5.2 Political Units (Constituencies and Electoral wards)

The County has thirty wards and six political constituencies namely: Turkana North, Turkana West, Turkana Central, Loima, Turkana South, and Turkana East Constituencies. The boundaries of these constituencies coincide with those of the sub-counties. Table 8 shows each constituency and its number of wards.

Table 8: Political Units

Constituency	Number of Wards
Turkana Central	5
Turkana North	6
Turkana West	7
Loima	4
Turkana East	3
Turkana South	5
Total number of wards	30

Source: IEBC Office, Turkana, 2012

1.5.3 Eligible & Registered Voters by Constituency

Table 9 shows the number of eligible voters and registered voters as at December 2012.

Table 9: Registered and Eligible Voters

Constituency	Eligible Voters (2012)	Registered Voters (2012)
Turkana North	77,756	18,561
Turkana West	96,541	32,513

Turkana Central	62,785	25,970
Loima	56,168	14,115
Turkana South	63,363	19,811
Turkana East	42,175	9,375
Total	398,786	120,345

Source: IEBC Website as accessed on 18th December, 2012

Clearly, only 30.2 percent of the eligible voters registered as voters. This low turnout can be attributed to the nomadic way of life of the community and low voter education and awareness. The low voter registration of 22.2 per cent in Turkana East could have been caused by insecurity in the constituency. Voter awareness and a more permanent settlement pattern in Turkana Central are the major reasons for a higher voter registration turnout of 41.4 per cent.

CHAPTER TWO

DEVELOPMENT ANALYSIS

2.0 INTRODUCTION

This chapter provides the County development analysis. The chapter provides the linkage of the County Development Profile with the Kenya Vision 2030, the Medium Term Plans, Millennium Development Goals and the Constitution of Kenya, 2010. It also analyzes the major development challenges and cross-cutting issues that affect the development of the county.

2.1 Linkages of the Annual Development Plan with the Vision 2030, Millennium Development Goals (MDGs) and the Constitution

2.1.1 Linkage with Vision 2030 and Medium Term Plan

Vision 2030 is the long-term Government economic blue print whose aim is to make Kenya a middle-income economy. The underlying objective is to make Kenya a globally competitive and prosperous nation with a high quality of life by the year 2030.

The Medium Term Plan (MTP) is a five year term policy document which outlines a broad framework for attaining development goals set within a specific plan period. It also contains a theme which highlights the policy objectives and targets to be achieved by various sectors of the economy within the specified period. Annual Development Plan on the other hand is a document that shows the developments projects the County Government is set to undertake in line with the County Integrated Development Plan as outlined in the Programme Based Budget. The document being an offshoot of the CIDP is linked with the Budget Policy Statement (BPS), the County Budget Review and Outlook Paper (CBROP) and County Fiscal Strategy Paper (CFSP). The ADP ensures that county level planning and budgeting is responsive to the achievement of the Vision 2030 through the five year MTPs.

2.1.2 Mainstreaming of Millennium Development Goals at the county level

The Millennium Development Goals are the specific goals to be met by 2015 that seek to ensure basic human development for all by 2015. The Millennium Development Goals include; Eradicating extreme poverty and hunger, Achieving universal primary education, promoting gender equality and women empowerment, reducing child mortality, improving maternal health, Combating HIV/AIDS and other diseases, ensure environmental

sustainability and finally develop global partnership for national development. In this regard, Turkana being a millennium county is implementing the programme Mainstreaming, Coordinating and Accelerating Millennium Development Goals in Kenya's Development Process aiming at achievement of the Millennium Development Goals in Turkana County.

Goal 1: Poverty remains a major challenge in the county. Although the proportion of Kenya's population living below the poverty line declined from 52.6 percent in 1997 to 45.9 percent in 2005/06, in Turkana County the proportion living below poverty is at a staggering level of 92 percent while those who are food poor are 72.7 percent. The multiple crises such as post-election violence, severe drought and recession during the years 2008, 2009 and 2011 are likely to have increased the poverty levels. The county will need to scale up and sustain measures aimed at food production and wealth creation in order to alleviate poverty. The County contribution to national poverty stands at 1.3 percent.

Goal 2: Gross and net enrolment rates in primary are 67 percent and 40 percent respectively as compared to the national Gross enrolment rate of 110 percent and Net enrolment rate of 92.9 percent. This discrepancy can be attributed to the long distance to the nearest school, insecurity and the pastoral cultural practices Transition rate on the other hand stands at 30 percent. The number of children of primary school going age is 235,059 while those going to school are 64,456. for urgent need of interventions that ensures children of school going age are made to go to school. The primary school dropout rate is 46 percent.

Goal 3: There is limited participation of women in politics. The proportion of seats held by women in parliament from Turkana County was zero by 2012 compared to 22 nationally. The ratio of boys to girls in secondary school is 2956:1545.

Goal 4: infant mortality rate is 66 deaths in every 1000 live birth, slightly above the national figure of 52 death per 1000 live births Kenya Demographic Health Survey(KDHS), 2008-2009 and that of under-five is 72 deaths in every1000 live births, which is low compared to 74 death for every 1000 live births nationally . The proportion of children who are fully immunized is 35.3 percent.

Goal 5, 6: The proportion of deliveries within health facilities is 10 percent while those delivering at home stands at 90 percent. About 10 percent of the deliveries are attended by a

trained health worker while the rest are self-deliveries or assisted by traditional birth attendants. Contraceptive acceptance level is 9.0 percent in the county compared to the contraceptive prevalence rate of 45.5% nationally (KDHS, 2008-2009). The county HIV prevalence stands at 6.9 percent which is slightly higher than 6.3 percent prevalence reported nationally, HIV/AIDS interventions that has worked in other parts of the country should be replicated in this county.

Goal 7. And 8: Households accessing potable water are 33,237, while the average distance to nearest water point is between 5 to 10km. In sanitation, 22,820 households have access to a sanitation facility which represents 8 percent of the total households. Nationally, 84% of the Kenya households use adequate human waste disposal facilities. There are however no gazetted forests in County. There is low mobile network coverage in the County.

Some of the challenges facing the achievement of Millennium Development Goals in Turkana are: Inadequate resources for financing Millennium Development Goals related activities, recurrent droughts and unpredictable climatic conditions due to climate change.

2.1.3 Linkage with the Constitution 2010

The promulgation of the new constitution in August 2010 paved way to the creation of devolved governance units (counties) to take power and resources closer to the people. It is from this background that County Integrated Development Plans are made to provide baseline information on county statistics and development statuses, provide a basis for decision making in terms development for the county and take stock of all development projects.

2.2 Development Challenges

The county has a poverty index of 92 percent with a contribution of 1.3 percent to the national poverty. Government has been implementing various projects and programmes; all geared towards poverty reduction and boosting food security in the County. There has been considerable achievement although the County continues to face various challenges that hinder development. The major ones include, land tenure system, persistent drought, water insufficiency, insecurity, national resources' management and conservation, poor and inadequate infrastructural facilities, market related challenges, livestock diseases and low literacy levels.

2.2.2 Drought

Drought has become a common occurrence in the county. The county does not receive adequate and reliable rainfall therefore experiencing drought very often. As a result, pastoralism and agro-pastoralism which are the main livelihoods of the county's economy are greatly affected thus leading to famine. Domestic animals, which provide the main coping mechanism for the people, do not fetch enough prices to enable the families purchase food in the market hence much of the county population has a low purchasing power. The phenomenon has become cyclic such that, the county relies on relief food to sustain its people.

2.2.3 Inadequate Water

The county has inadequate water for domestic use, livestock and crop irrigation. The rainfall is inadequate and unreliable amounting to an average of 200 mm of rainfall per annum. About 88 percent of the county's residents depend on surface and sub-surface dams for water, which often do not hold sufficient water due to the high evaporation rate during the dry seasons. The already existing water supplies are overstretched and unable to supply enough water for the increasing population.

To improve the water supply situation, the county needs to embark on the rehabilitation of the existing water schemes to increase their efficiency and construction of earth dams and pans. The communities need to be encouraged to build shallow wells, sub-surface dams and also undertake roof catchments to harvest rainwater. Programmes aimed at protecting the water catchment areas and harnessing the water from Kerio, Malimalite, Tarach, Suguta, Kalapata and Turkwel Rivers will also be of great importance.

2.2.4 Insecurity

Pastoralists in Turkana County are both nomadic and sedentary and they keep cattle, sheep, goats and camels. Access to pasture during the dry season is a key source of conflict between the pastoralists with the neighboring communities. Wealth (livestock), ethnocentrism and proliferation of illicit arms are the main causes of cattle raids in the county. These conflicts

lead to destruction of social amenities, loss of economic opportunities and lives. These have been major causes of insecurity as they normally end up in highway banditry and cattle rustling. Insecurity has been a major drawback to economic development in the county. Most of the cases of insecurity reported in the county are related to cattle rustling.

2.2.6 Poor and Inadequate Infrastructural Facilities

Kainuk shopping centre is the only area in the county connected to the national electricity grid. However, the other sub county headquarters within the county; Lokichar (Turkana South); Kakuma (Turkana West); Lokitaung (Turkana North); Lorugum (Loima); and Lokori (Turkana East), have no electricity. This has resulted in lack of business and hindered industrial endeavours being initiated in these areas.

In Lodwar town, (the district headquarters for Turkana Central and the county headquarters), electricity is generated and distributed by Kenya Power Co. diesel generators which are unreliable and prone to breakdowns besides being limited in capacity. Growth of key sectors and industries such as fish value addition and livestock processing is thus curtailed.

Additionally the condition of the road network in the county is deplorable. The main road from Kainuk to Lodwar is in a bad state coupled with poor feeder roads, the movement of people and goods is often interrupted during the rainy season. The Lodwar to Lokichoggio road which is 215 kilometres, is motorable and has bitumen although it requires some maintenance and repair.

Air transport is not well developed. There is only one airport at Lokichoggio and 22 airstrips spread across the county. Lokichoggio Airport started in the 1970's as a small Airstrip being used by missionaries working in the remote parts of Turkana District, Northern Kenya. Later on and particularly in 1986, when the Sudanese civil war intensified there was an influx of refugees from Southern Sudan into Kenya. This required intervention from the international community in the form of provision of relief and medical supplies to the refugees through the airstrip. As these intervention increased, the airstrip was then elevated to be an airport. The other existing airstrips are not well developed.

The county has three mobile telephony companies: Safaricom, Airtel and Orange. However, their coverage is only limited to major urban centres/towns. This has greatly affected

communications, investment and security as people are forced to move to the urban centres to communicate.

Educational institutions in the county face various problems ranging from inadequate human resource, infrastructural development, and inadequate access to clean water and sanitation facilities. This has impacted negatively on the quality of education and affected both enrolment and retention of the pupils especially in primary and Early Childhood Development (ECD) schools.

The available financial institutions are concentrated within one central place – Lodwar. This leads to low savings rate, low borrowing and slow uptake of investment opportunities within the county. The compounding effect of this is slow economic growth of individuals and the county at large.

2.2.7 Inadequate Marketing System

There are few lending institutions due to unfavourable business environment which has limited access to financial services and lack of properly organized marketing. Where financial services are available, the cost of credit has been unfavorable resulting in the lack of capital to finance enterprise development. Pastoralism is the main economic activity hence livestock and livestock products are the main enterprises. Limited access to financial services has greatly affected trade, livestock and agriculture sub-sectors.

2.2.8 Livestock Diseases

The county's residents rely mainly on pastoralism as a source of livelihood. However, the livestock sub-sector faces major challenges such as livestock diseases, which affect the county time and again. These diseases include Peste Petis Ruminants (PPR), Contagious Bovine Pleuropneumonia (CBPP), Trypanosomiasis, and Mange. The technical government staff in the county, with support from Community Animal Health Workers, implements programmes to mitigate the effects of diseases. However these interventions are challenged by inadequacy of tools, equipment and vaccines to handle the diseases adequately. This inadequate equipment includes fridges, cool boxes and vaccine carriers.

2.2.9 Low Literacy Levels

The low literacy levels of 22.2 percent in the county can be attributed to many causes which include extreme poverty, understaffing in schools and cultural practices such as early marriages. Other calamities such as drought and inter boundary conflicts also inhibit the provision of proper education resulting in low literacy and education standards.

CHAPTER THREE

DEVELOPMENT PROGRAMS AND PROJECTS

3.0 INTRODUCTION

This chapter presents a highlight of programmes as identified by different Ministerial Sector Working Groups and prioritised by the same. These programmes and sub-programmes have clear objectives with expected outcomes and measurable indicators as required by article 126 of the Public Finance Management Act of 2012.

3.1 OFFICE OF THE GOVERNOR

Goal: To provide leadership for the transformation of Turkana County.							
Strategic Objectives							
Enhance the county investment levels through PPP initiatives; Promote peace within the county and among neighbouring communities; To enhance proper coordination of government activities; Enhance linkages with stakeholders in both county and national government; Enhance effective and timely communication/dissemination of government policies and programs							
Programme	Sub Programme	Delivery Unit	Location	Indicators	Outcomes	Time Frame	Indicative budget
General Administration, Planning and Support Services	General Administration, Planning and Support Services	Office of the Governor	HQs	Ability to achieve on agreed deliverables	Delivery of quality, effective and efficient services (Head of County PS)	Q1-Q4	300,000,000
	Government Coordination	Office of the Governor	HQs	Number of Cabinet meetings	Coordinated government functions	Q1-Q4	45,000,000
	Interdepartmental coordination	Office of the Governor	HQs	No. of interdepartmental meetings held	Enhanced communication among the departments	Q1-Q4	50,000,000
	Intergovernmental relations	Office of the Governor	HQs	The level of cooperation between the governments	Enhanced county and central governments relations	Q1-Q4	30,000,000

	Purchase of Motor Vehicles (HR/CS/Pool/Media)-5	Office of the Governor	HQs	Number of vehicles procured	Quality and timely service delivery	Q1	50,000,000
	Staff Capacity Building/Training	Office of Governor	HQs	No. of staff trained on relevant government courses	Highly productive staff	Q1-Q4	50,000,000
	County Strategy development and Support	Office of Governor	HQs	Reports provided	Provision of effective advisory services to the Governor	Q1-Q4	10,000,000
Governor's Residence	Construction of Governor's residence	Office of the Governor	Lodwar	Governor's residence	Quality and spacious accommodation	Q1-Q2	50,000,000
	Residence maintenance	Office of the Governor	Lodwar	Renovation and routine maintenance	Keeping up to date the face of residence	Q1	5,000,000
	Hosting of VVIP Guests and Dignitaries	Office of Governor	Lodwar	Number of VIP guest hosted	Improved guest relation services	Q1-Q4	20,000,000
Donor/ Investor engagement	Public-Private Partnership Initiatives (PPPs)	Office of the Governor	HQs	Number of PPPs engaged	Enhanced donor engagement	Q1-Q4	100,000,000
Security and Peace Building	CPMR Local Initiatives and Resettlement	Office of the Governor	County Wide	Number of meetings	Improved security and coexistence	Q1-Q4	100,000,000

	CPMR Cross Border Initiatives	Office of the Governor	County Borders	Number of meetings	Enhanced Cross border peace	Q1-Q4	100,000,000
	County Policing Authority	Office of Governor	HQs	Number of meetings held County Policing Authority Policy Developed	Enhance peace and security	Q1-Q4	100,000,000
Government communication and Media relations	Documentation and publicity	Office of the Governor	HQs	% of Government documents and activities documented	Enhanced safety and access to government documents	Q1-Q4	40,000,000
	Media advertisements and placements	Office of the Governor	HQs	No. of advertisements and placements	Well informed public on government activities	Q1-Q4	30,000,000
	Establishment of Governor's Press Unit	Office of the Governor	HQs	Functional Press Unit	Operational Governor's Press Unit	Q1-Q2	50,000,000
	Civic Education and Public Sensitization	Office of the Governor	HQs	No. of Civic Education and Sensitization meetings	Public awareness of Government programs and functions	Q1-Q4	30,000,000
	Establishment of County FM radio	Office of the Governor	HQs	FM Radio established	Timely sharing of Information	Q1-Q2	35,000,000

Provision of ICT Support Services	Staff Training, ICT Strategy, and Server installation and Renovations.	Office of the Governor	HQs	Operational ICT unit	Enhanced access to and sharing of government information	Q1	75,000,000
Provision of legal services	Establishment and operationalization of the legal unit	Office of the Governor	HQs	Legal unit established	Increased ability to handle legal matters	Q1-Q4	40,000,000
Research and Development	Conducting research on pertinent areas of Governance, Economics and Development	Office of Government	HQs	Research conducted	Improved governance, development and county economy		20,000,000
Office of Deputy Governor	General Administration, Planning and Support Services	Office of the Deputy Governor	HQs	Ability to achieve on agreed deliverables	Delivery of quality, effective and efficient services (Head of County PS)	Q1-Q4	84,000,000
Liaison Office	General Administration, Planning and Support Services	Liaison office	HQs	Ability to achieve on agreed deliverables	Delivery of quality, effective and efficient services (Head of County PS)	Q1-Q4	100,000,000
TOTAL							1,514,000,000

3.2 FINANCE AND ECONOMIC PLANNING

Goal: To provide leadership for the transformation of Turkana County.						
Strategic Objectives						
Enhance the county investment levels through PPP initiatives; Promote peace within the county and among neighbouring communities; To enhance proper coordination of government activities; Enhance linkages with stakeholders in both county and national government; Enhance effective and timely communication/dissemination of government policies and programs						
Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
General Administration, Planning and Support Services	Construction of office (County Executive)	Lodwar	% Level of completion of County Executive Office	A conducive and quality accommodation environment to enhance efficient and effective service delivery	Q1	290M
	Refurbishment of Non-Residential Buildings	County Wide	No. of Refurbished buildings	Improved service delivery	Q1,Q2	50M
	Purchase of Vehicles (Elongated Land Cruiser for Planning, 3 Trucks for relief)	County Wide	No. of Motor Vehicles	Enhanced mobility and service delivery	Q1	40M

	Vehicle Overhaul (Former Local Authority Vehicles)	Lodwar	Proportion of vehicles restored and serviced	Enhanced mobility and service delivery	Q1, Q2	20M
	Purchase of Office Furniture and Fittings	County wide	Proportion of offices equipped with furniture and fittings	Conducive working environment	Q1	20M
	Purchase of Computers, Printers and other IT Equipment	County wide	Proportion of offices equipped	Delivery of quality, effective and efficient services	Q1,Q2	10M
	Bills & Policies	County wide	Number of bills enacted Number of financial policies formulated	To institutionalize and legalize policy execution and service delivery	Q1-Q4	8M
Revenue Collection Systems	Automated Revenue Collection	All Wards	Automation systems in place	Strengthened revenue collection systems	Q1, Q2	40M
	Feasibility on Revenue Base	County wide	Study reports	Informed revenue base	Q1	3M

Awareness and Campaigns on Revenue at ward level.	All Wards	No. of awareness & campaigns Level of awareness	Informed citizens through public participation	Q2,Q3	21M
Motorbikes for Revenue Officers 30 No.	All Wards	Number of motorbikes bought	Strengthened revenue collection systems	Q1	9M
Strengthening Revenue Systems	All Wards	Percent increase in revenue collection	Improved service delivery and collection of A-in-A	Q1,Q2	90M
Renovation of Former WFP Compound as a revenue source	Lokichoggio	Renovated former WFP offices	Improved service delivery and collection of A-in-A	Q2-Q4	37M
Benchmarking and Learning experiences at Norway, Rwanda and Ghana with Budget and Appropriation Committee	Norway, Rwanda and Ghana	Benchmarking reports	Informed planning and budgeting processes	Q1-Q4	35M

	Lokiriama Border point revenue centre	Lokiriama	Functional Lokiriama Border point revenue centre	Improved service delivery and collection of A-in-A	Q1-Q4	18M
Accountability and Transparency	Internal Audit	County wide	Effectiveness of expenditure systems	Improved internal control mechanisms	Q1-Q4	10M
	Procurement systems	County wide	Percentage of completed procurements	Improved service delivery	Q1-Q4	13M
	Assets management and Valuation of County Assets	County wide	Percentage of Asset registered	Proper inventory of public properties/assets	Q1-Q4	10M
	IFMIS Training Expenses	County wide	Percentage of officers trained	Improved financial transactions	Q1-Q4	8M
Social and Financial Security	Assurance and Insurance of Govt. Assets	County wide	Percentage of government assets insured	To cushion the county against losses	Q1-Q4	10M
Planning and Policy formulation	Economic Policy formulation and Dissemination	County wide	Number of policies formulated	Better planning through better policies	Q2,Q3	7M

	CIDP review and Dissemination	County wide	Number of CIDP reviews	An updated policy document	Q1-Q4	10M
	Budget preparation and Dissemination	County wide	Budget documents	Improved service delivery	Q1-Q4	25M
	Preparation of Annual Plans and Reports (Quarterly)	County wide	Number of reports, Plans	Benchmarking and tracking of results	Q1-Q4	10M
	County Budget and Economic Forum	Lodwar	Number of economic forums	Co-ordinated and consultative budget and planning processes	Q1-Q4	12M
Development coordination Programme	Donor scan/Mapping within the county for resource mobilization	County wide	Donor scan report	Mapped development partners Reduction in the duplication of projects	Q1,Q2	5M
	Establishment of development committees (Sub County and Ward)	Sub-County Headquarters and Wards	Number of committees established	Devolved development planning	Q1,Q2	12M

	Training of the development committees (Sub County and Ward)	Sub-County Headquarters and Wards	Number of committees trained	Improved capacities of development committees	Q2-Q4	5M
Monitoring and Evaluation	Soft wares(E-ProMIS, GIS e.t.c)	Lodwar	Percentage of reporting	Improved and timely reporting	Q1-Q4	4M
	Field visits, data collection and Reporting	County wide	Quarterly reports	Improved and timely reporting	Q1-Q4	10M
	Training and Knowledge management	County wide	Percentage of officers trained	Improved knowledge management	Q1-Q4	3M
	Devolved Monitoring and Evaluation Committees	Sub-County Headquarters and Wards	Percentage of monitored/ completed projects	Improved monitoring and evaluation	Q1-Q4	5M
	Indicator Development	Lodwar	Existence of indicator manual	Improved reporting and tracking of results	Q1,Q2	2M
Public Participation	Construction of County Citizen Resource Centre	Lodwar and Loima	Number of Resource centres constructed	Improved accessibility to information	Q2-Q4	30M

and Access to Information	Web site Development	Lodwar	Web site	Improved accessibility to information	Q1	4M
	Social Budgeting and Generation of SIR Reports	County wide	Bi-annual SIR Reports	Improved use of public funds	Q1	7M
County Statistical Unit	Soft wares, databases and tools	Lodwar	Percentage coverage of statistical data	Improved data capture and reporting	Q1	5M
	Capacity Development	Lodwar	percentage of statisticians trained	Increased capacity of statisticians	Q1,Q2	4M
	Data Collection, Surveys and Reports	County wide	Number of surveys	Real time data and reports	Q1-Q4	14M
Service Delivery- ISO Certification	Service Charter	Sub-County Headquarters and Wards	Existence of procedure manual	Improved public services offered	Q2-Q4	1M
	Development of County Filing Systems	County wide	Existence of filing system	Improved filing and management of information	Q1,Q2	2M

	Procedure Manual and Training	County wide	Existence of service charter	Standardized procedures	Q1-Q4	5M
County Internship Programme	County Internship Programme	County wide	Number of interns engaged	Imparted technical knowledge to the youth	Q1-Q4	20M

3.3 WATER SERVICES, IRRIGATION AND AGRICULTURE

Goal: To improve livelihoods of Turkana people through provision of adequate and quality water, promotion of agribusiness, food diversification and nutrition security in a friendly environment

Strategic Objectives

Increase agricultural productivity and output; Improve on market access and product development; Enhance accessibility of affordable inputs and credit to farmers; Promote sustainable land use practices and environmental conservation; Enhance institutional efficiency and effectiveness in implementation and service delivery; Create a favourable environment for agricultural development; Increase quantity and quality of safe water

Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
Turkana Water Programme	Joint planning with stakeholders	Lodwar Sub-County Headquarters	No. of joint consultative meeting held	Coordinated and consultative water stakeholder engagements	Q1	5M
	Technical planning and design	County wide	No. of designs prepared and timely completion of works as per designs	Accurate designs and realistic work plans developed	Q1-Q3	6M

	Water Permits	County wide	No. of water permits acquired for major water works	Timely acquisition of water permits for major water works	Q2	1M
	Rehabilitation of water supplies	County wide	Reduced % in the number of non-functional water supplies	Rehabilitated and functional water points	Q1-Q3	20M
	Construction of Water pan per ward	All wards	No. of newly constructed water pans	Improved access to clean and potable water	Q3,Q4	250M
	Drilling and Equipping three boreholes per ward	All wards	No. of new boreholes	Improved access to clean and potable water	Q1,Q3,Q4	280M
	Construction of piped water supplies	County wide	No. of new piped water supplies	Increased water supply	Q3,Q4	60M
	Upgrading of motorized water system to solar	County wide	No. of newly established and functional solar system	Powered and reliable water supply	Q2,Q3	10M

	Purchase of two water Browsers	Lodwar	No of purchased water Browsers	Boost supply of water	Q1	16M
	Drought water related stress mitigation	County wide	Effectiveness and efficiency of drought contingency plan	Effective and rapid response to drought water stress	Q1,Q2,Q3	4M
	Construction of sewerage systems	Lodwar	Completed Lodwar town sewerage design and plan	Provision of Lodwar town sewerage system	Q2	5M
	Purchase of stand-by genset	County wide	No. of newly installed stand-by gensets	Installation of stand-by gensets	Q2	1.5M
	Training of water users association & water services providers	County wide	Improved management of water supplies/points	Capacity building of water users' association and water services providers	Q1-Q4	5M
Irrigation and Schemes Development Programme	Feasibility studies for irrigation systems development	County wide	No. of completed studies	To provide water efficient irrigation systems	Q2	5M

	Construction of 2 new dry land irrigation schemes	Nadung'a Lotikippi	Functional irrigation schemes	Increased food production Improved food security	Q3,Q4	80M
	Expansion of 5 existing irrigation schemes	Lokubae, Katilu, Turkwel, Naoros, Elelea	Functional irrigation schemes	Increased food production Improved food security	Q3,Q4	50M
	Rehabilitation of 5 existing irrigation schemes	Nanyee, Koloroo, Kakwenyang, Namoruu, Morulem	Functional irrigation schemes	Improved agricultural productivity	Q3,Q4	25M
	Construction of model drip irrigation systems	Napuu Turkwel	Functional model drip irrigation systems	Informed knowledge on modern agriculture	Q1-Q4	20M
	Construction Food Reserve Stores	County wide		Informed knowledge on modern agriculture	Q3,Q4	20M
Turkana Agriculture Programme	Farmers training	County wide	No. of trained and practising farmers	Increased agricultural output	Q1-Q4	1.2M

	Establishment of farm demonstrations and trials	County wide	No. of demonstration farms and successful trial crops ready for scaling up	Improved plant breeds	Q3,Q4	900M
	Organising field days show and exhibitions	County wide	No. of successful field days and exhibitions	Knowledge and information transfer	Q2,Q4	1.5M
	Construction of strategic warehouse and stores	Sub-county Headquarters	Amount of harvested food crop properly stored in the warehouse	Provision of strategic warehouse and stores	Q3,Q4	7M
	Seminars and workshops	County wide	No. of farmers who are practising good agronomy.	Increased competencies and capacity of farmers	Q3,Q4	1.2M
	Promotion of drought tolerant crops	County wide	% increase in farmers harvest as result of adoption of drought crops	Increase in the adoption of drought tolerant crops	Q1-Q4	3M

	Promotion of shade net, greenhouse technology & drip kits	County wide	% increase in crop harvest as a result of use of shade nets, greenhouse and drip kits	Improved food security	Q1,Q2	19M
	Purchase of seeds and planting materials	County wide	% increase in crop harvest as a result of use of certified seeds and planting materials	Provision of certified seeds and planting materials	Q1,Q3	20M
	Purchase of farm tools and equipment	County wide	% increase in in farm produce as a result of use of appropriate farm tools and equipment	Provision of farm tools and equipment	Q1-Q3	10M
	Purchase of pesticides, spraying equipment and safety gear	County wide	% reduction in loss of crop harvest as a result of use of pesticides	Provision of pesticides, spraying equipment and safety gears	Q1-Q4	5M

	Purchase of motor cycles	Lodwar	No. of Purchased motor cycles	Improved mobility and extension services	Q1	1.2M
Turkana Rehabilitation Programme	Construction of trapezoidal bunds, contours & micro catchment	County wide	No. of community built trapezoidal bunds, contours and micro catchment	Improved water harvesting	Q1	1M
	Construction of rock catchments	Lapur, Lokiriama, Songot, Riokomor, Lomelo, Kibish	No. of constructed rock catchments and sand dams	Increased accessibility of water	Q2,Q3	16M
	Construction of Sand Dams	County wide	No. of sunk shallow wells and dams	Increased accessibility of water	Q2,Q3	6M
	Pasture reseeding	County wide	Ha. of land under pasture	Improved animal health and productivity	Q2	7M

	Farmers capacity building	County wide	No. of farmers trained	Farmers imparted with agronomy skills	Q1-Q4	5M
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3.4 HEALTH AND SANITATION

Goal: To deliberately build progressive, responsive and sustainable technologically-driven, evidence-based and client-centered health system for accelerated attainment of highest standard of health to all Turkana residents.						
Strategic Objectives Eliminate communicable conditions; Halt, and reverse the rising burden of non-communicable conditions; Reduce the burden of violence and injuries; Provide essential health care; Minimize exposure to health risk factors; Strengthen collaboration with health related sectors						
Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
Health facilities upgrading, renovations and maintenance	Construction of Inpatient blocks, equipment, fencing, gate, surveying, power connectivity, water, toilets, staff quarters, incinerator	County wide	% of funds utilized in health infrastructure	To improve health infrastructure		210M

	Lodwar County Hospital upgrading	Lodwar	% of funds utilized in improving LDH health infrastructure	To improve LDH health infrastructure		170M
	Lorugum, Elelea, Lokichar, Lokitaung and Lopiding upgrading	Lorugum Elelea Lokichar Lokitaung Lopiding	% of funds utilized in improving health infrastructure	To improve health infrastructure		100M
	Construction and equipping 2 dispensaries per ward	All wards	No. of dispensaries constructed per ward	Improved accessibility of health services		484M
Health Utility Vehicles Improvement Programme	Utility vehicles(2) Motorcycles (15) Bicycles (100) for CHWs	County wide	No. procured	To Improve the medical transport system		12M 4.5M 1.5M
	Communication gadgets for ambulances	Sub-Counties	No. ambulances fitted	Enhanced communication for health response		2M
	Purchase of Lorry	Lodwar	Lorry procured	To Improve the medical transport system		8M

Provision of office space	Construction of County health administrative office block	Lodwar	Office in place	Effective service delivery and administrative work		39.8M
County Health Supply System	Construction of a central commodity store/warehouse	Lodwar	Central warehouse in place	To maintain health infrastructure		15M
Sub-Counties Public Communication Programme	Purchase of public address systems for sub-counties	Sub-counties	Public address systems purchased	Effective and timely communication		1M
Support to Health Programs	HMIS support including printing of tools	County wide	% of facilities submitting timely, complete and accurate information	Strengthened health, nutrition and wash surveillance, monitoring and evaluation systems		5M
	HIV & AIDS including community based HIV interventions	County wide	% of population undergoing HIV test and cancelling % of HIV exposed infants tested at 6 weeks	Prevention of HIV and STI infections		15.4M

	TB & Leprosy	County wide	TB cure rate No. of TB and Leprosy patients screened and undergoing treatment	Reduced TB and Leprosy prevalence Provide quality services to improve quality of life		10M
	Malaria	County wide	% Decrease in morbidity and mortality rates of malaria related illnesses	Reduced malaria the spread of malaria, morbidity and mortality		8M
	NTDs(neglected tropical diseases)	County wide	% Decrease in prevalence and mortality of NTDs and related illnesses	Reduce prevalence and mortality of NTDs		5M
	Nutrition	County wide	GAM rates	Provision High Impact Nutrition Interventions		15M
	Reproductive health	County wide	Percentage reduction in maternal mortalities and	Improve reproductive health of the populace		5M

			contraceptive uptake			
	Disease surveillance	County wide	Disease surveillance Reports	To ensure monitoring of threats and diseases and to plan and respond to outbreaks		5M
	EPI/outreaches	County wide	% of population immunized	Reduced morbidity, diseases and increased hard immunity		10M
	Community strategy	County wide	Monthly reports, No. of community dialogue days	Increased health involvement of community in order to provide real time information		10M
	Health promotion	County wide	Proportion of proportion aware of key health messages	Population reached with key health messages		5M
	Environmental health services	County wide	No. of Environmental Health Reports	Provision of quality environmental health services		5M
	Emergency preparedness & disaster response	County wide	Amount of funds allocated	Improved Disaster Management		20M

			for emergency fund			
	Laboratory supplies and support	County wide	% of funds absorbed in purchasing lab supplies	Provision of lab equipment and reagents		20M
	Rehabilitation and disability mainstreaming	County wide	No. of people supported	Rehabilitated people living with disability		4M
	Mental health	County wide	No. of people enrolled in Programme	Management and containment of people with mental illness and early detection		3M
	Alcoholism and drug abuse management	County wide	Amount of funds allocated for the programme	Reduced effects of alcoholism and drug abuse		5M
	Dental Care	County wide	Proportion of people with dental problems accessing dental care.	Improved dental health in the county		5M

	ENT care	County wide	Amount of funds allocated	Improved ENT health in Turkana County		5M
	Quality Assurance	County wide	Data Quality Audit Reports	To ensure standards and norms are adhered to		2M

3.5 TRADE, TOURISM AND INDUSTRIALIZATION

Goal:

Strategic Objectives

To improve socio-economic living standards of the people of Turkana County; To attract, retain and continuously increase the number of tourists visiting Turkana County's tourist and cultural attraction sites; To enhance the socio-economic growth, development and general emancipation of the Turkana people; To enhance capacity building of traders and businesses through

provision of business development and training services; To gather, collate and consolidate business opportunities and information intelligence across the county and make this easily available to potential investors; To increase the number of public private partnership in establishing industrial projects and concerns to spur greater economic growth and development across the county.

Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
SMEs and Economic Empowerment Programme	SMEs Credit Scheme at ward level	All Wards	Number and scale of loans accessed	Shorter Loan Processing cycle		60M
	Capacity Building Workshops	Sub-Counties	Number of business people trained;	An informed business community		7M
Cooperative Societies Development & Performance Improvement Programme	Cooperatives Development Fund	County wide	Number of cooperative societies accessing funds	More cooperative societies accessing funds		30M
	Value Addition Initiatives	County wide	Types of high value products produced/ Number of high value products	Improved quality of products/High value products		5M

	Business Development and Training Services	County wide	Number of successful businesses	Increased successful businesses		5M
Modern Physical Markets Infrastructure	Construction and Development of Modern Physical Market Infrastructure in Sub-Counties	County wide	Number of Sub Counties with Mordern Markets	Improved marketing and awareness		80M
Turkana Business Marketing Programme	Construction and Equipping of Turkana Business and Conference Centre	County wide	Construction completion reports, handover	Increased investment ventures		31M
	Trade Fairs and Exhibitions	Lodwar	Number of Trade Fairs and Exhibitions held	Improved marketing and awareness		9M
	Media and Publicity Campaigns	County wide	Number and types of promotional	Informed public on trading activities		5M

			messages sent out			
	Investment Forums	Sub-Counties	Number of Investment Forums	Informed investment community		10M
Tourism and Cultural Products Development Programme.	Turkwood Films Project	County wide	No. of MOUs signed with partners in film industry	Turkana marketed as a film industry destination		1.2M
	Tourist Attractions Mapping & Development	County wide	Number of films produced No. of tourists	Increased earnings from tourism		7M
	Home of Mankind Safaris	County wide	Number of tourist arrivals	Increased earnings from tourism		10M
	Eco -Tourist Hotels	Kainuk Kataboi	Number of bed occupancy	Increased earnings from tourism		140M
Advisory and Licensing	Sectoral Advisory Councils	County wide	No. of stakeholder forums public education initiatives	Increased number of businesses licensed		0.75M

	Alcoholic Licensing Directorate Funding	County wide	No. businesses licensed	Enhanced licensing of businesses		5M
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3.6 EDUCATION

Goal: To provide, promote and coordinate quality education, through responsive policies and strategies for sustained and balanced socio-cultural, economic development and empowerment of vulnerable and marginalised groups in the county.

Strategic Objectives

Create an enabling environment and enhance institutional efficiency and effectiveness for education, human resource, culture and social development; Increase access to education at all levels; Enhance efficiency and effectiveness in service delivery; Enhance social protection development; Promote cultural values and initiatives

Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
Access to Education for All	Equipping and Furnishing Existing ECDE centers	County wide	Number of ECDEs furnished	Child friendly learning environment	Q1,Q2	28M
	Constructing and equipping 2 ECD centres per ward	County wide	Number of ECDEs centers constructed, Number of pupils attending ECDE	Increased enrolments in ECDEs	Q1,Q2	360M
	Renovation and Refurbishing County DICECE College	County wide	Number of structures/facilities improved	Improved infrastructural developments	Q1,Q2	5M

Preliminary works for establishment of a public university in Turkana County	Lodwar	PDP, Structures built	Infrastructural development	Q1,Q2	52.5M
Provision of Educational, Instructional and Learning materials	County wide	Number of educational and instructional materials provided	Availability of educational materials	Q3,Q4	5M
ECD Feeding Programme in all wards	County wide	Percentage of ECD centers with food	Availability of food in ECD	Q1-Q4	30M
Refurbishing and Equipping Village Polytechnics	Kaaleng, Lokori, Kakuma, Kalokol Loyopo	Number of institutions rehabilitated and equipped	Improved infrastructures	Q1,Q2	55M
Establishment of youth polytechnics	Lorugum, Kataboi and Lokichar	Number of students attending vocational trainings;	Increased enrolments in vocational training	Q3,Q4	36M

	Turkana Education and Skill Development Fund	County wide	Modules/courses offered	Increased completion and transition rates	Q1,Q2,Q4	342.6M
Human Resource Development.	Training of Staff	Lodwar	Number of staff trained	Improved service delivery and human development	Q1-Q4	2M
Social protection programs/ Affirmative Action	Economic empowerment and provision of assistive devices to persons with disabilities(PWDS) in	All wards	Number of PWDS funded/trained;	Empowered PWDS	Q1-Q4	41M
	Construction of PWDS multi-purpose resource center	Lodwar	Number of PWDS with assistive devices	Infrastructural development of the resource center	Q1,Q2	10M
	Youth and Women Development and Empowerment Fund	All wards	PDP, Site Plan, Structures	Socio Economic empowerment of women and youths	Q1-Q4	220M

	Campaign against Early child Marriages	County wide	Number of youths/women trained;	Reduced number of Early Marriages	Q1-Q4	5M
	Sexual and Gender Based Violence Programme	County wide	Number of youths/women facilitated to access market for their products;	Reduced cases of Sexual and Gender Based Violence	Q1-Q4	3M
Sports and arts programme	Sports(Athletics, Football, Other disciplines)	County wide	Percentage of stadia completed	Talent development and sporting activities	Q1,Q2	12M
	Construction of sport Stadia	Lodwar	Number of sporting activities	Talent development and sporting activities	Q1,Q2	31.6M
	Support to Extra-Curriculum Activities (Dramas and Music)	County Wide	Number of festivals	Talent development and sporting activities	Q1,Q2	5M

Cultural values /initiatives	Support to Annual Cultural Festivals and initiatives	Lodwar	Number of cultural sites and monuments marked/identified	Preservation and appreciation to culture	Q1	9.8M
	Construction of Library and Archives	Lodwar	Number of libraries and archives constructed and equipped	Enhanced access to information	Q1,Q2	20M
	Establishment of Cultural Centers	Lokiriama, Moruanayeche	Number of Museums and community cultural centers initiated	Museums and community cultural centres initiative	Q1,Q2	10M

3.7 PUBLIC SERVICE, DECENTRALISED ADMINISTRATION AND DISASTER MANAGEMENT

Goal: Establish structures that provide conducive and inclusive environment for high productive workforce, convenient workplaces as well as cross sector systems for preparedness, prevention and response to disaster emergencies.

Strategic Objectives						
Create enabling environment and enhance institutional efficiency and effectiveness for Public Service and Disaster Management; Ensure adequate and equal opportunities in appointment, training and advancement at all levels of public service; Ensure effective devolution and decentralization of powers, functions and resources; Promote active involvement of the people in the process of policy and decision making; Promote disaster risk reduction; Enhance service delivery and track performance.						
Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
Capacity Development	Capacity Development	County Wide	Percentage of staff trained	Ensure adequate and equal opportunities in appointment, training and advancement at all levels of public service.	Q1,Q2	10M
	Construction of sub-county and Ward Administration offices	County Wide	No. offices constructed	Ensure adequate and equal opportunities in appointment, training and advancement at all levels of public service.	Q1	100M

	Personnel need survey.	County Wide	No. of Motor Vehicles	Enhanced mobility and service delivery	Q1,Q2,Q3	4M
Decentralized Units Policy	Decentralized County Policy	County Wide	Policy document	Ensure effective devolution and decentralization of powers, functions and resources.	Q1,Q2	6M
	Policy sensitization and dissemination	County wide	Level of awareness	Ensure effective devolution and decentralization of powers, functions and resources.	Q2,Q3	10M
	Public participation and access to information	County Wide	Level of public engagement awareness	Ensure effective devolution and decentralization of powers, functions and resources.	Q1-Q4	6M
Mainstream Public Sector Integrity programme, Accountability and anti-corruption strategies	Mainstream Public Sector Integrity programme, Accountability and anti-corruption strategies	County Wide	Plans with integrity programme incorporated	Promote accountability and service delivery	Q1-Q4	5M

Disaster Risk Reduction	Turkana County Drought and Disaster Contingency Fund (CDDCF)	County wide	Amount allocated to CDDCF	Promote disaster risk reduction	Q1-Q4	188M
	Turkana Multi hazard/Risk Assessment and stake holder capacity mapping	County wide	Reports	Promote disaster risk reduction	Q1,Q2	5M
	Regular Assessments of Food , floods, and conflict	County wide	Assessment reports	Promote disaster risk reduction	Q1-Q3	10M
	Turkana County Relief Programme	County wide	% of vulnerable	Promote disaster risk reduction	Q1-Q4	357M

			people assisted			
	Turkana Cash Transfer Programme at ward level	County wide	No. of Households assisted	Promote disaster risk reduction	Q1-Q4	150M
Human resource	Scheme of service	County wide	Existence of personnel scheme of service	Enhance service delivery and track performance	Q1-Q4	5M
	Performance Appraisal	County Wide	Filled PAS forms	Enhance service delivery and track performance	Q4	20M

3.8 TRANSPORT, ROADS, HOUSING AND PUBLIC WORKS

Goal: To facilitate provision, construction and maintenance of quality infrastructure, government buildings & housing and other public works for sustainable socio-economic development						
Strategic Objectives Create enabling environment and institutional efficiency and effectiveness; Facilitate adequate provision of cost effective infrastructure, government buildings & housing and other public works; Develop and maintain infrastructural, building and housing facilities and other public works for government operations and general public service; Develop and maintain technical and quality audit for infrastructure, housing, buildings and other public works in the public sector						
Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
Develop and maintain roads	Tarmac Lodwar town roads	Lodwar	Km road network tarmacked	An efficient and effective road transport network for social economic development	Q1-Q4	300M
	Gravel rural roads	County wide	Km road network gravelled	An efficient and effective road transport network for social economic development	Q1-Q4	380M

	Gravelling of two class D roads(Makutano-LokitaungandLokori-Kapedo)	Makutano-Lokitaung, Lokori-kapelbok	Km road network gravelled	An efficient and effective road transport network for social economic development	Q1-Q4	100M
	Construction of Nawoyaregae/ Kapelbok bridge (Flagship)	Nawoyaregae /Kapelbok	Bridge	Connectivity between kapelbok and Nawoyaregae	Q1-Q4	100M
Develop and maintain staff housing and public offices	Construction and Renovation of County Departmental Offices	County wide	No. offices renovated	A conducive and quality working / accommodation environment to enhance efficient and effective service delivery	Q1-Q4	29M
Development and Maintenance of	Preliminary works for Lodwar International Airport	Lodwar	Feasibility studies and design works	Enhanced capacity and quality transport and infrastructural services	Q1-Q4	50M

Other Public Works	Phase 1 Works for Lodwar Storm water drainage	Lodwar	Feasibility studies and design works	Improve the drainage system of the county headquarters	Q1-Q3	20M
	Construct & Equip mechanical garage	Lodwar	No. of plant/machinery maintained in-house vs those referred externally	Reduced cost of maintenance of plant and machinery	Q1-Q4	30M
	Purchase fire engine	Lodwar	No. of fire outbreaks managed	Ensure that fire outbreaks are dealt with appropriately	Q1	15M
	Purchase graders and rollers	County wide	Income generated and actual demand of plant and equipment	Enhanced access to affordable plant and equipment	Q1	38M
Capacity Building of the Public Sector	Train BodaBoda riders/Capacity Building and	County wide	No. of riders trained	Enhanced efficiency and effective service provision in the public sector	Q1-Q3	5M

	formation of county transport association					
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3.9 PASTORAL ECONOMY AND FISHERIES

Goal: To improve livelihoods of the people through promotion of competitive, innovative and sustainable livestock and fisheries development and management.						
Strategic Objectives; Create enabling environment and enhance institutional efficiency and effectiveness for livestock and fisheries development; Facilitate access to markets; Increase fish and livestock production and productivity; Safeguarding Human Health.						
Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)

Fisheries Production and Development	Revival of Turkana Fishermen Co-op. society	Kalokol	Tones of fish sold	Developed Fisheries sector		26M
	Frame survey	County wide	Frame survey reports	Developed Fisheries sector		5M
	Demarcation of fish breeding areas	Lake Turkana	Percentage of breeding zones demarcated	Developed Fisheries sector		5M
	Rescue units/BMUs infrastructure and Empowerment	Lake Region	Number of rescue units established	Developed Fisheries sector		25M
	Fisheries market infrastructure/fish value addition	Kalokol	No. of market infrastructures established	Increase revenues from the fisheries sector		20M
	Fisheries livelihood Development support	Kalokol	Amount of funds allocated	Developed Fisheries sector		51M

	Resource monitoring facilities	County wide	Number of facilities established	Developed Fisheries sector		6M
	Fish Stock Assessment	Kalokol	Stock assessment reports	Developed Fisheries sector		5M
	Preliminaries for Lake Turkana Management Authority	Lake Region	Preliminary report	Developed Fisheries sector		15M
	Establish fish hatcheries	Lake Zone	No. of functional hatcheries	Developed Fisheries sector		10M
Livestock production and Development	Construction and stocking of three Strategic feed	County Wide	No of strategic feed reserves established	Developed livestock sector		30M
	Multiplication and breeding centres	County Wide	Percentage of livestock improved	Developed livestock sector		30M

	Market infrastructure development	County Wide	Number of marketing infrastructure developed	Developed livestock sector		10M
	Promote poultry and beekeeping	County wide	Tonnage of poultry products produced	Developed poultry and beekeeping sector		10M
	Livestock extension services support	County wide	Percentage of farmers adopting new farming techniques	Developed livestock sector		21M
	Establishment of holding ground(FLAGSHIP)	County Wide	Number of holding grounds established	Developed livestock sector		50M
	Rangeland rehabilitation	County Wide	Acreage rehabilitated	Developed livestock sector		30M
	Fodder and pastures production, conservation and development	County Wide	Number of acreage under pasture and fodder	Availability of pasture during harsh times and developed livestock sector		15M

	Livestock census	County Wide	Census report	Developed livestock sector		30M
	Support Lomidat abattoir	Lokichoggio	Amount of money allocated	Developed livestock sector		22M
	Livestock Emergency and restocking	County Wide	Amount of money allocated	Developed livestock sector		60M
	Construction of hide and skin tannery	Nadapal	Number of hide and skin tannery	Developed livestock sector		20M
Veterinary Services and Development	Annual Vaccination of livestock at ward level	County wide	Percentage of livestock vaccinated	Effective and developed veterinary services		60M
	Mass deworming and treatment of Livestock at ward level	All Wards	Percentage of livestock dewormed and treated	Effective and developed veterinary services		21M
	Diseases surveillance and assessments at ward level	All Wards	Surveillance reports	Effective and developed veterinary services		10M

	Livestock health Extension(CBAHWs)services	County Wide	Percentage of livestock keepers reached	Effective and developed veterinary services		9M
	Veterinary Public Health services(CBAHWs)	County Wide	Livestock diseases incidence	Effective and developed veterinary services		15M
	Equip county laboratory	County headquarters	Functional laboratory	Effective and developed veterinary services		2.5M
	Support livestock emergencies health and production at ward level	All wards	Percentage of healthy livestock	Developed livestock sector		30M

3.10 ENERGY, ENVIRONMENT AND NATURAL RESOURCES

<p>Goal: To facilitate accessible and reliable meteorological information and services, conservation of environment and natural resources through sustainable management and utilization of forest, wildlife and renewable energy with supervision and coordination of environmental matters, conducting research and disseminating corresponding findings for stability and socio-economic development.</p>						
<p>Strategic Objectives Increase tree cover and species diversity; Oversee sustainable development; Upscale research technology; Secure and protect flora and fauna; Protect and enforce environmental policy; Integrate development with environmental integrity; Enhance a clean and healthy environment for all; Collect accurate and timely weather information for planning; Produce up to standard weather forecasting; Promote and utilization of green energy; Promote efficient use of energy; Develop new energy technologies.</p>						
Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)

Turkana Greening Programme	Establishment of tree nurseries	County Wide	Number of tree nurseries	Enhanced tree cover and Improved micro-climate	Q1-Q4	45M
	Forest Gazettement-Loima	Loima	Number gazette forests	Enhanced tree cover and Improved micro-climate	Q1-Q3	5M
Urban beautification	Aboretum	Lodwar	Arboretum in place	Enhanced environmental beauty	Q1,Q2	5M
Gazettement and protection of Game Reserve	Gazettement and protection of Game Reserves- Kibish/Lokitippi(Flagship)	Kibish/Lotikipi	Number of Game Reserves	Protected wild species	Q1-Q4	100M
Research and Management of Tree Species	Research in developing Agro Forestry technologies	County wide	No. of research conducted	Enhanced research on tree species	Q1-Q4	4M
	Research in developing indigenous fruit trees	County wide	No. of research conducted	Enhanced research on tree species	Q1-Q4	3M

	Management of Prosopis(Lake Zone, Lokangae, Lokubae)	Lake Zone,Lokangae and Lokubae	Management manual	Enhanced research on tree species	Q1-Q4	15M
Micro mining	Micro mining(Small scale miners)	County wide	No. trained and exposed	Increased earnings from minerals	Q2-Q4	21M
Development of policy and legal frameworks	Engagement with Investors in Energy Sector	Lodwar	Number of meetings held	Enhanced protection and conservation of natural resources	Q1-Q4	10M
	Preparation of County Environmental Action plan	County wide	Number of action plans	Enhanced protection and conservation of natural resources	Q2-Q4	4M
	Identification, formation, training and supporting NR Committee	County wide	No. of sensitization sessions	Enhanced protection and conservation of natural resources	Q2-Q4	9M
Development of CFAs and community scout	Scout/Ranger Movement	County Wide	Number of people trained	Enhanced protection and conservation of natural resources		5M
Renewable Energy Program	Rural Solar Lighting(Ward level)	All Wards	Percentage of HHs or facilities	Efficient utilization of renewable energy resources	Q1-Q3	110M

			with solar power			
Construction of office	Construction of office	Lodwar	Office building	Improved working condition	Q1,Q2	20M

3.11 LANDS, PHYSICAL PLANNING AND URBAN AREAS MANAGEMENT

Goal: To develop spatial plans for Turkana County that will identify the development needs and priorities within the county, and recommend on the policies and strategies to help achieve the prioritized needs/projects

Strategic Objectives

Create enabling environment and institutional efficiency and effectiveness; To promote public participation and inclusiveness on Land management & Governance; To develop spatial plans that will provide spatial framework to guide, coordinate development activities and management of all urban/ towns within the county; To plan for ,provide and manage urban infrastructure & services such as streetlights, sewerage system, drainage systems, waste management, CCTV technology installations, public adverts, public recreational facilities; To Provide technical planning / survey equipment and software; Provide for land ownership rights/titles for land owners within the county; To establish Digital Land registry infrastructure and facilities; Identify, map and demarcate intra and inter county boundaries in conjunction with National government; To Formulate the County’s Land Policies and Regulations for effective land governance.

Programme	Sub-Programme	Location	Indicators	Outcomes	Time frame	Indicative Budget (Kshs)
Lands Development Programme	Land Management and Governance (Public Participation sensitization and awareness)	County wide	Level of Public awareness and participation on land	Enhanced public participation and inclusiveness on Land management & Governance	Q1-Q4	10M
	Land Registration, adjudication and settlement registration in 4 towns	Lokichoggio, Kakuma, Lodwar and Lokichar	Adjudicated areas Plans and maps	Enhanced planning of urban areas	Q1-Q4	16M
	Development of County Spatial Development Plan	County wide	County Spatial plan draft	Enhanced Land management & Governance	Q1-Q3	50M

	Development of Turkana County Land Policy and Regulations	County wide	Efficiency in land governance and management	Enhanced land and management and governance	Q1-Q3	5.2M
	Compulsory land acquisition for public utilities	County wide	Increased Sites for public use	Eased access of land for provision of public utilities	Q1-Q4	30M
	Establishment of land registry and land information database	Lodwar	Land registry and database	Improved access of information and land documents	Q1,Q2	7M
	Technical equipment for survey and mapping (Total station, Geoditic GPS and Landcruiser)	Lodwar	Items acquired and in use	Effective and timely survey and mapping	Q1-Q3	16M
Urban areas management and Improvement Programmes	Physical planning of potential towns in the county;	Kibish, Katilia, Kalobeyei, Kainuk, Namoruputh, Kaikor, Eliye, Kapedo and Nakurio	Order and development control in towns -increased development applications for approvals	Ordered, coordinated and controlled development of urban areas	Q1-Q4	131M

	Street lighting on major urban and trading centres	Lokori, Lokichar, Kakuma, Lokichoggio, Kalokol and Lokitaung	% of roads with street lights	Enhanced security within trading centres	Q1-Q3	64M
	Town Management	Lokichar, Kakuma and Lokichoggio	No. of Services provide	Controlled and coordinated development of urban areas	Q1-Q3	7.5M
Lodwar Town Management Committee	Improvement of Moi Garden Stadia	Lodwar	Functionality and frequency of use by public	Conducive place to conduct public functions	Q1-Q3	7.2M
	Establishment of recreational park and street naming	Lodwar	Functionality and frequency of use by public	Conducive recreation facilities.	Q1-Q4	20M
	Fencing of the ministry's offices (MoLPUA)	Lodwar	Increased office security	Enhanced security of office equipment and curbed encroachment	Q1,Q2	5M
	Setting up of dumping site in Lodwar	Lodwar	Reduced solid waste in town	Improved solid waste management	Q1,Q2	5M
	Establishment of a bus park and pavements	Lodwar	Existence of bus park and pavements	Eased location and access of the bus park	Q1,Q2	15M

	Lodwar Town Beautification Programme	Lodwar	No. of installations to beautify town	Improved outlook of Lodwar town	Q1-Q3	5M
	Garbage Truck	Lodwar	Functional Garbage Truck	Efficient garbage collection	Q1	10M
	Construction of Drainage system of Lodwar town	Lodwar	Length of Drainage trench excavated	Improved drainage within town	Q1	34M
	Street lighting in Lodwar town	Lodwar	Length o roads under street lights	Enhanced security for road users	Q1,Q2	15M

3.12 COUNTY ASSEMBLY

Goal: To spearhead democracy in Turkana County through effective dispensation of legislations by facilitating Members of the County Assembly to fulfil their constitutional mandate in a representative system of government by upholding and ensuring the autonomy of the county assembly in its corporate relationship with the other arms of the government.

Strategic Objectives

To create a sustainable working environment for staff and members; To improve service delivery and work methods of members and staff; To set up an efficient, effective and transparent expenditure control system; Digitize operations of the county assembly and automate library services; Public involvement in Budget making process.

Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
County Assembly	Construction of New Assembly Building	Lodwar	County Assembly chamber in place	To improve service delivery and work methods of members and staff.	Q1-Q4	175M
Turkana County Speaker's Residence	Construction of Speaker's Residence	Lodwar	Speaker's residence in place	To Provide an official residence for the Speaker of the County Assembly	Q1-Q4	60M

3.13 COUNTY PUBLIC SERVICE BOARD

Goal: To establish and maintain a sufficient, professional and competent workforce through quality and effective service delivery for the realization of county development goals and foster national unity.

Strategic Objectives;

To provide leadership and policy direction for effective service delivery; Establish a county skill database that will provide a comprehensive audit of all present and needed skills

Programme	Sub-Programme	Location	Indicators	Outcomes	Time Frame	Indicative Budget (Kshs)
General Administration Planning and Support Services	Recruitment of staff	County Wide	Number of staff recruited	Recruitment and deployment of competent staff for efficient and effective service delivery	Q1-Q4	68M

CHAPTER FOUR

IMPLEMENTATION, MONITORING AND EVALUATION

4.0 INTRODUCTION

This chapter presents the monitoring and evaluation framework that will be used by the County departments to track progress on implementation of projects and programmes. An indicative matrix detailing projects and programmes, costing and implementing agencies as well as monitoring tools and indicators on projects and programmes identified in chapter three, is given as Annex I.

4.1 Institutional Framework for Monitoring and Evaluation as per NIMES and County M&E system

At the National level, Monitoring and Evaluation is conducted through National Integrated Monitoring and Evaluation System (NIMES), whose main aim is to improve the effectiveness and quality of tracking of implementation of various development policies, strategies and programmes. The County and lower level monitoring and evaluation of projects and programmes are part of this system.

It is expected that Counties will put in place a County Monitoring and Evaluation system to serve the needs of the County Government, while complimenting the National M & E system. The system will take cognizance of the projects and programmes included in the County Integrated Development Plans as well as indicators facilitating the MTEF process, and development aspects of Turkana County.

4.2 Implementation, Monitoring and Evaluation Matrix

The matrix below indicates projects for implementation, monitoring tools and indicators for each of those projects, time frames for implementing those projects, implementing agencies and stakeholder responsibilities. The details of project objectives, activities for all projects and programmes are listed in Chapter 3.

4.2.1 OFFICE OF THE GOVERNOR

Sub-Programme	Delivery Unit	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
Construction of Governors Residence	Office of the Governor County Secretary	Lodwar	% Level of completion	BoQs; Drawings; Progress reports; Site minutes	Office of the Governor County Secretary	Q1-Q4		
Public-Private Partnership Initiatives (PPPs)	Office of the Governor	County wide	Number of PPPs initiatives	Policies	Office of the Governor	Q1-Q4		
CPMR Local and Resettlement Initiatives	Office of the Governor Security and Peace Unit	County wide	Number of meetings Reports	Minutes and resolutions; Reports	Office of the Governor Security and Peace Unit	Q1-Q4		
CPMR Cross Border Initiatives	Office of the Governor Security and Peace Unit	County wide	Number of meetings Reports	Minutes and resolutions; Reports	Office of the Governor Security and Peace Unit	Q1-Q4		
Acquiring and development of communication systems/ equipment/materials	Public Relations	County wide	No of publications, Events covered,	Brochures; Flyers; Reports;	Public Relations	Q1,Q2		

4.2.2 FINANCE AND ECONOMIC PLANNING

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
Construction of office (County Executive)	Lodwar	% Level of completion of County Executive Office	BoQs; Drawings; site minutes; Level of completion; Building	Treasury	Q1		
Refurbishment of Non-Residential Buildings	County Wide	No. of Refurbished buildings	BoQs; Drawings; site minutes; Level of completion; Building	Treasury	Q1,Q2		
Purchase of Vehicles (Elongated Land Cruiser for Planning, 3 Trucks for relief)	County Wide	No. of Motor Vehicles	Log books; Asset registers	Treasury	Q1		
Vehicle Overhaul (Former Local Authority Vehicles)	Lodwar	Proportion of vehicles restored and serviced	Mechanical Reports; Work tickets	Treasury	Q1, Q2		

Purchase of Office Furniture and Fittings	County wide	Proportion of offices equipped with furniture and fittings	Asset registers	Treasury	Q1		
Purchase of Computers, Printers and other IT Equipment	County wide	Proportion of offices equipped	Asset registers	Procurement Treasury	Q1,Q2		
Bills & Policies	County wide	Number of bills enacted Number of financial policies formulated	Policy Documents; Bills	Treasury Planning Procurement Audit Revenue	Q1-Q4		
Automated Revenue Collection	All Wards	Automation systems in place	System	Revenue	Q1, Q2		
Feasibility on Revenue Base	County wide	Study reports	Study report	Revenue	Q1		
Awareness and Campaigns on Revenue at ward level.	All Wards	No. of awareness & campaigns Level of awareness	Broadcast messages; Flyers, brochures	Revenue	Q2,Q3		
Motorbikes for Revenue Officers 30 No.	All Wards	Number of motorbikes bought	Log books; Asset register	Procurement Revenue	Q1		
Strengthening Revenue Systems	All Wards	% increase in revenue collection	Monthly collection reports	Revenue	Q1,Q2		

Renovation of Former WFP Compound as a revenue source	Lokichoggio	Renovated former WFP offices	BoQs; Drawings; site minutes; Level of completion; Building	Treasury	Q2-Q4		
Benchmarking and Learning experiences at Norway, Rwanda and Ghana with Budget and Appropriation Committee	Norway, Rwanda and Ghana	Benchmarking reports	Back to Office reports; Conference proceedings	Planning Treasury County Assembly	Q1-Q4		
Lokiriama Border point revenue centre	Lokiriama	Functional Lokiriama Border point revenue centre	BoQs; Drawings; site minutes; Level of completion; Building	Revenue	Q1-Q4		
Internal Audit	County wide	Effectiveness of expenditure systems	Audit Reports; Management Reports	Audit	Q1-Q4		
Procurement systems	County wide	Percentage of completed procurements	Procurement Plans; Tender minutes	Procurement	Q1-Q4		

Assets management and Valuation of County Assets	County wide	Percentage of Asset registered	Valuation reports	Treasury Audit	Q1-Q4		
IFMIS Training Expenses	County wide	Percentage of officers trained	Back to office reports	Treasury	Q1-Q4		
Assurance and Insurance of Govt. Assets	County wide	Percentage of government assets insured	Insurance policies	Treasury Procurement	Q1-Q4		
Economic Policy formulation and Dissemination	County wide	Number of policies formulated	Study Reports; Policy Documents; Circulars; CFSP	Planning	Q2,Q3		
CIDP review and Dissemination	County wide	Number of CIDP reviews	Reviewed and updated Documents; Brochures; Flyers	Planning	Q1-Q4		
Budget preparation and Dissemination	County wide	Budget documents	Budget documents; Appropriation Bill	Planning	Q1-Q4		
Preparation of Annual Plans and Reports (Quarterly)	County wide	Number of reports, Plans	Plans; Reports	Planning	Q1-Q4		

County Budget and Economic Forum	Lodwar	Number of economic forums	Minutes; Reports	Planning	Q1-Q4		
Donor scan/Mapping within the county for resource mobilization	County wide	Donor scan report	Report Database	Planning Development Partners, CBOs	Q1,Q2		
Establishment of development committees (Sub County and Ward)	Sub-County Headquarters and Wards	Number of committees established	Minutes Reports	Planning Decentralised Units	Q1,Q2		
Training of the development committees (Sub County and Ward)	Sub-County Headquarters and Wards	Number of committees trained	Training reports	Planning	Q2-Q4		
Soft wares(E-ProMIS, GIS e.t.c)	Lodwar	Percentage of reporting	Softwares; Database	Planning	Q1-Q4		
Field visits, data collection and Reporting	County wide	Quarterly reports	Field monitoring tools; Field reports	Planning	Q1-Q4		
Training and Knowledge management	County wide	Percentage of officers trained	Training reports	Planning	Q1-Q4		

Devolved Monitoring and Evaluation Committees	Sub-County Headquarters and Wards	Percentage of monitored/ completed projects	M&E reports; Minutes	Planning	Q1-Q4		
Indicator Development	Lodwar	Existence of indicator manual	Indicator Handbook	Planning	Q1,Q2		
Construction of County Citizen Resource Centres	Lodwar and Loima	Number of Resource centres constructed	BoQs; Drawings; site minutes; Level of completion; Building	Planning	Q2-Q4		
Web site Development	Lodwar	Web site No. of hits	Website;	Procurement Treasury Planning	Q1		
Social Budgeting and Generation of SIR Reports	County wide	Bi-annual SIR Reports	Field reporting tools	Planning	Q1		
Soft wares, databases and tools	Lodwar	Percentage coverage of statistical data	Software	Procurement Treasury Planning	Q1		
Capacity Development	Lodwar	percentage of statisticians trained	Training Reports	Treasury Planning Procurement Audit Revenue	Q1,Q2		

Data Collection, Surveys and Reports	County wide	Number of surveys	Surveys; Reports	Planning	Q1-Q4		
Service Charter	Sub-County Headquarters and Wards	Existence of service charter	Service charters	Planning	Q2-Q4		
Development of County Filing Systems	County wide	Existence of filling system	Filing system	Planning	Q1,Q2		
Procedure Manual and Training	County wide	Existence of procedure manual	Procedure Manual	Planning Governor's office SDU	Q1-Q4		
County Internship Programme	County wide	Number of interns engaged	Guidelines; Report	Treasury	Q1-Q4		

4.2.3 WATER, IRRIGATION AND AGRICULTURE

Sub-Programme	Location	Monitoring Indicators	Monitoring tools	Implementing Unit	Time Frame	Status	remarks
Joint planning with stakeholders	Lodwar Sub-County Headquarters	No. of joint consultative meeting held	Minutes; reports.	Water dept; irrigation dept.	Q1		

Technical planning and design	County wide	No. of designs prepared and timely completion of works as per designs	Technical designs; Level of completion; minutes; reports.	Water dept; irrigation dept.	Q1-Q3		
Water Permits	County wide	No. of water permits acquired for major water works	Receipts; Financial reports.	Water dept.	Q2		
Rehabilitation of water supplies	County wide	Reduced % in the number of non-functional water supplies	Reports	Water dept.	Q1-Q3		
Construction of Water pan per ward	All wards	No. of newly constructed water pans	BoQs; Drawings; site minutes; Level of completion; Building; minutes; reports.	Water dept; irrigation dept.	Q3,Q4		
Drilling and Equipping three boreholes per ward	All wards	No. of new boreholes	BoQs; Drawings; site minutes; Level of completion; Boreholes; reports.	Water dept.	Q1,Q3,Q4		

Construction of piped water supplies	County wide	No. of new piped water supplies	BoQs; Drawings; site minutes; Level of completion; constructed water pipes; reports.	Water dept.	Q3,Q4		
Upgrading of motorized water system to solar	County wide	No. of newly established and functional solar system	Asset register.	Water dept.	Q2,Q3		
Purchase of two water Browsers	Lodwar	No of purchased water Browsers	Asset register and log-book; reports.	Water dept.	Q1		
Drought water related stress mitigation	County wide	Effectiveness and efficiency of drought contingency plan	Reports.	Water dept.	Q1,Q2,Q3		
Construction of sewerage systems	Lodwar	Completed Lodwar town sewerage design and plan	BoQs; Drawings; site minutes; Level of completion; sewerage system; reports.	Water dept.	Q2		
Purchase of stand-by genset	County wide	No. of newly installed stand-by gensets	Asset register.	Water dept.	Q2		

Training of water users association & water services providers	County wide	Improved management of water supplies/points	Training reports; established water users associations.	Water dept.	Q1-Q4		
Feasibility studies for irrigation systems development	County wide	No. of completed studies	Study report.	Irrigation dept.	Q2		
Construction of 2 new dry land irrigation schemes	Nadung'aLotikippi	Functional irrigation schemes	BoQs; Drawings; site minutes; Level of completion; dry land irrigation schemes; reports.	Irrigation dept.	Q3,Q4		
Expansion of 5 existing irrigation schemes	Lokubae, Katilu, Turkwel, Naoros, Elelea	Functional irrigation schemes	BoQs; Drawings; site minutes; Level of completion; expanded irrigation schemes; reports.	Irrigation dept.	Q3,Q4		
Rehabilitation of 5 existing irrigation schemes	Nanyee, Koloroo, Kakwenyang, Namoruu, Morulem	Functional irrigation schemes	BoQs; Drawings; site minutes; Level of completion; rehabilitated	Irrigation dept.	Q3,Q4		

			irrigation schemes; reports.				
Construction of model drip irrigation systems	NapuuTurkwel	Functional model drip irrigation systems	BoQs; Drawings; site minutes; Level of completion; drip irrigation system; reports.	Irrigation dept.	Q1-Q4		
Construction Food Reserve Stores	County wide	Functional Food reserve stores.	BoQs; Drawings; site minutes; Level of completion; food reserve stores; reports.	Agriculture dept.	Q3,Q4		
Farmers training	County wide	No. of trained and practising farmers	Training reports.	Agriculture dept.	Q1-Q4		
Establishment of farm demonstrations and trials	County wide	No. of demonstration farms and successful trial crops ready for scaling up	Reports.	Agriculture dept.	Q3,Q4		
Organizing field days show and exhibitions	County wide	No. of successful field days and exhibitions	Reports.	Agriculture dept.	Q2,Q4		

Construction of strategic warehouse and stores	Sub-county Headquarters	Amount of harvested food crop properly stored in the warehouse	BoQs; Drawings; site minutes; Level of completion; warehouse and stores; reports.	Agriculture dept.	Q3,Q4		
Seminars and workshops	County wide	No. of farmers who are practising good agronomy.	Reports.	Agriculture dept.	Q3,Q4		
Promotion of drought tolerant crops	County wide	% increase in farmers harvest as result of adoption of drought crops	Reports.	Agriculture dept.	Q1-Q4		
Promotion of shade net, greenhouse technology & drip kits	County wide	% increase in crop harvest as a result of use of shade nets, greenhouse and drip kits	Field reports.	Agriculture dept.	Q1,Q2		
Purchase of seeds and planting materials	County wide	% increase in crop harvest as a result of use of certified seeds and planting materials	Counter receipt vouchers.	Agriculture dept.	Q1,Q3		

Purchase of farm tools and equipment	County wide	% increase in in farm produce as a result of use of appropriate farm tools and equipment	Counter receipt vouchers.	Agriculture dept.	Q1-Q3		
Purchase of pesticides, spraying equipment and safety gear	County wide	% reduction in loss of crop harvest as a result of use of pesticides	Counter receipt vouchers.	Agriculture dept.	Q1-Q4		
Purchase of motor cycles	Lodwar	No. of Purchased motor cycles	Asset register; motor cycles log-book.	Agriculture dept.	Q1		
Construction of trapezoidal bunds, contours & micro catchment	County wide	No. of community built trapezoidal bunds, contours and micro catchment	BoQs; Drawings; site minutes; Level of completion; trapezoidal bunds, contours & micro catchment; reports.	Agriculture dept.	Q1		

Construction of rock catchments	Lapur, Lokiriama, Songot, Riokomor, Lomelo, Kibish	No. of constructed rock catchments and sand dams	BoQs; Drawings; site minutes; Level of completion; rock catchments; reports.	Agriculture dept.	Q2,Q3		
Construction of Sand Dams	County wide	No. of sunk shallow wells and dams	BoQs; Drawings; site minutes; Level of completion; sand dams; reports.	Agriculture dept.	Q2,Q3		
Pasture reseeding	County wide	Ha. of land under pasture	Field reports.	Agriculture dept.	Q2		
Farmers capacity building	County wide	No. of farmers trained	Training reports.	Agriculture dept.	Q1-Q4		

4.2.4 HEALTH

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
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Construction of Inpatient blocks, equipment, fencing, gate, surveying, power connectivity, water, toilets, staff quarters, incinerator	County wide	% of funds utilized in health infrastructure	BoQs; Drawings; site minutes; Level of completion; Building	Health and Sanitation			
Lodwar County Hospital upgrading	Lodwar	% of funds utilized in improving LDH health infrastructure	BoQs; Drawings; site minutes; Level of completion; Building	Health and Sanitation			
Lorugum, Elelea, Lokichar, Lokitaung and Lopiding upgrading	Lorugum Elelea Lokichar Lokitaung Lopiding	% of funds utilized in improving health infrastructure	BoQs; Drawings; site minutes; Level of completion; Building	Health and Sanitation			
Construction and equipping 2 dispensaries per ward	All wards	No. of dispensaries constructed per ward	BoQs; Drawings; site minutes; Level of completion; Building	Health and Sanitation			

Utility vehicles(2) Motorcycles (15) Bicycles (100) for CHWs	County wide	No. procured	Log books; Asset registers	Health and Sanitation			
Communication gadgets for ambulances	Sub-Counties	No. ambulances fitted	LPOs; Service sheets	Health and Sanitation			
Purchase of Lorry	Lodwar	Lorry procured	Log books; Asset registers	Health and Sanitation			
Construction of County health administrative office block	Lodwar	Office in place	BoQs; Drawings; site minutes; Level of completion;	Health and Sanitation			
Construction of a central commodity store/warehouse	Lodwar	Central warehouse in place	BoQs; Drawings; site minutes; Level of completion;	Health and Sanitation			
Purchase of public address systems for sub-counties	Sub-counties	Public address systems purchased	LPOs; S13 forms	Health and Sanitation			
HMIS support including printing of tools	County wide	% of facilities submitting timely, complete	Reports	Health and Sanitation			

		and accurate information					
HIV & AIDS including community based HIV interventions	County wide	% of population undergoing HIV test and cancelling % of HIV exposed infants tested at 6 weeks	Data sheets; Surveys	Health and Sanitation			
TB & Leprosy	County wide	TB cure rate No. of TB and Leprosy patients screened and undergoing treatment	Data sheets	Health and Sanitation			
Malaria	County wide	% Decrease in morbidity and mortality rates of malaria related illnesses	Inpatients and outpatient log sheets	Health and Sanitation			
NTDs(neglected tropical diseases)	County wide	% Decrease in prevalence and mortality of NTDs and related illnesses	Inpatients and outpatient log sheets	Health and Sanitation			

Nutrition	County wide	GAM rates	Nutrition reports	Health and Sanitation			
Reproductive health	County wide	Percentage reduction in maternal mortalities and contraceptive uptake	Data sheets; Surveys	Health and Sanitation			
Disease surveillance	County wide	Disease surveillance Reports	Reports; Surveys	Health and Sanitation			
EPI/outreaches	County wide	% of population immunized	Immunization reports	Health and Sanitation			
Community strategy	County wide	Monthly reports, No. of community dialogue days	Reports	Health and Sanitation			
Health promotion	County wide	Proportion of proportion aware of key health messages	Brochures; Broadcast messages; Outreach reports	Health and Sanitation			
Environmental health services	County wide	No. of Environmental Health Reports	Reports	Health and Sanitation			
Emergency preparedness & disaster response	County wide	Amount of funds allocated for emergency fund	Reports	Health and Sanitation			

Laboratory supplies and support	County wide	% of funds absorbed in purchasing lab supplies	Reagents; LPOs; Dispatch and delivery documents	Health and Sanitation			
Rehabilitation and disability mainstreaming	County wide	No. of people supported	Reports	Health and Sanitation			
Mental health	County wide	No. of people enrolled in Programme	Reports	Health and Sanitation			
Alcoholism and drug abuse management	County wide	Amount of funds allocated for the programme	Reports	Health and Sanitation			
Dental Care	County wide	Proportion of people with dental problems accessing dental care.	Data sheets; Reports	Health and Sanitation			
ENT care	County wide	Amount of funds allocated	Data sheets; Reports	Health and Sanitation			
Quality Assurance	County wide	Data Quality Audit Reports	Data sheets; Audit Reports	Health and Sanitation			

4.2.5 TRADE, TOURISM AND INDUSTRY

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
SMEs Credit Scheme at ward level	All Wards	Number and scale of loans accessed	Quarterly Reports;	Trade			
Capacity Building Workshops	Sub-Counties	Number of business people trained;	Training Reports;	Trade			
Cooperatives Development Fund	County wide	Number of cooperative societies accessing funds	List of cooperatives benefiting;	Trade			
Value Addition Initiatives	County wide	Types of high value products produced/ Number of high value products	Quarterly Reports;	Industry			

Business Development and Training Services	County wide	Number of successful businesses	Training Reports;	Trade			
Construction and Development of Modern Physical Market Infrastructure in Sub-Counties	County wide	Number of Sub Counties with Mordern Markets	BoQs; Drawings; site minutes; Level of completion; Structures	Trade			
Construction and Equipping of Turkana Business and Conference Centre	County wide	Construction completion reports, handover	BoQs; Drawings; site minutes; Level of completion; Building	Trade			
Trade Fairs and Exhibitions	Lodwar	Number of Trade Fairs and Exhibitions held	Annual Reports;	Trade			
Media and Publicity Campaigns	County wide	Number and types of promotional messages sent out	Broadcast messages; Flyers, brochures	Trade, Tourism and Industry			

Investment Forums	Sub-Counties	Number of Investment Forums	Reports; Attendance register;	Industry			
Turkwood Films Project	County wide	No. of MOUs signed with partners in film industry	MOUs;	Industry			
Tourist Attractions Mapping & Development	County wide	Number of films produced No. of tourists	Mapping Reports;	Tourism			
Home of Mankind Safaris	County wide	Number of tourist arrivals	Quarterly Reports;	Industry			
Eco -Tourist Hotels	Kainuk Kataboi	Number of bed occupancy	Broadcast messages; Flyers, brochures	Tourism			
Sectoral Advisory Councils	County wide	No. of stakeholder forums public education initiatives	Minutes;	Trade, Tourism and Industry			
Alcoholic Licensing Directorate Funding	County wide	No. businesses licensed	Licences;	Trade			

4.2.6 EDUCATION

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
Equipping and Furnishing Existing ECDE Centres	County wide	Number of ECDEs furnished	BoQs; Drawings; site minutes; Level of completion; Building; Functional Equipment	Education	Q1,Q2		
Constructing and equipping 2 ECD Centres per ward	County wide	Number of ECDEs centers constructed, Number of pupils attending ECDE	BoQs; Drawings; site minutes; Level of completion; Building	Education	Q1,Q2		
Renovation and Refurbishing County DICECE College	County wide	Number of structures/facilities improved	BoQs; Drawings; site minutes; Level of completion; Renovated Building	Education	Q1,Q2		
Preliminary works for establishment of a public	Lodwar	PDP, Structures built	BoQs; Drawings; site minutes; Level of completion; Structures	Education	Q1,Q2		

university in Turkana County							
Provision of Educational, Instructional and Learning materials	County wide	Number of educational and instructional materials provided	Inventory of the materials	Education	Q3,Q4		
ECD Feeding Programme in all wards	County wide	Percentage of ECD Centres with food	Programme Reports	Education	Q1-Q4		
Refurbishing and Equipping Village Polytechnics	Kaaleng, Lokori, Kakuma, Kalokol Loyopo	Number of institutions rehabilitated and equipped	BoQs; Drawings; site minutes; Level of completion; Building	Education	Q1,Q2		
Establishment of youth polytechnics	Lorugum, Kataboi and Lokichar	Number of students attending vocational trainings;	Enrolment Register;	Education	Q3,Q4		
Turkana Education and Skill	County wide	Amount of Fund Allocated	Register of Beneficiaries;	Education	Q1,Q2, Q4		

Development Fund							
Training of Staff	Lodwar	Number of staff trained	Training Reports	Human Resource	Q1-Q4		
Economic empowerment and provision of assistive devices to persons with disabilities(PWD S) in	All wards	Number of PWDs funded/trained ;	Training Reports; List of PWDs Funded	Social Development	Q1-Q4		
Construction of PWDs multi-purpose resource center	Lodwar	Number of PWDs with assistive devices	BoQs; Drawings; site minutes; Level of completion; Building	Social Development	Q1,Q2		
Youth and Women Development and Empowerment Fund	All wards	PDP, Site Plan, Structures	PDP; Minutes; List of Beneficiaries	Social Development	Q1-Q4		

Campaign against Early child Marriages	County wide	Number of youths/women trained;	Broadcast messages; Flyers, Brochures	Social Development	Q1-Q4		
Sexual and Gender Based Violence Programme	County wide	Number of youths/women facilitated to access market for their products;	Programme Reports	Social Development	Q1-Q4		
Sports(Athletics, Football, Other disciplines)	County wide	Percentage of stadia completed	BoQs; Drawings; site minutes; Level of completion; Building	Sports	Q1,Q2		
Construction of sport Stadia	Lodwar	Number of sporting activities	BoQs; Drawings; site minutes; Level of completion; Building	Sports	Q1,Q2		
Support to Extra-Curriculum Activities (Dramas and Music)	County Wide	Number of festivals			Q1,Q2		

Support to Annual Cultural Festivals and initiatives	Lodwar	Number of cultural sites and monuments marked/identified			Q1		
Construction of Library and Archives	Lodwar	Number of libraries and archives constructed and equipped	BoQs; Drawings; site minutes; Level of completion; Building		Q1,Q2		
Establishment of Cultural Centers	Lokirama, Moruanayec he	Number of Museums and community cultural centers initiated	BoQs; Drawings; site minutes; Level of completion; Building		Q1,Q2		

4.2.7 PUBLIC SERVICE, DECENTRALISED SERVICES AND DISASTER MANAGEMENT

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
Capacity Development	County Wide	Percentage of staff trained	Training Reports	Treasury Planning Procurement Audit Revenue	Q1,Q2		
Construction of sub-county and Ward	County Wide	No. offices constructed	BoQs; Drawings; site minutes;	Treasury	Q1		

Administration offices			Level of completion; Building				
Personnel need survey.	County Wide	No. of Motor Vehicles	Survey Reports	Planning	Q1,Q2,Q3		
Decentralized County Policy	County Wide	Policy document	Policy document	Treasury Planning	Q1,Q2		
Policy sensitization and dissemination	County wide	Level of awareness	Policy Documents	Treasury Planning	Q2,Q3		
Public participation and access to information	County Wide	Level of public engagement awareness	Reports	Planning	Q1-Q4		
Mainstream Public Sector Integrity programme, Accountability and anti-corruption strategies	County Wide	Plans with integrity programme incorporated	Guidelines; Report	Treasury	Q1-Q4		

Turkana County Drought and Disaster Contingency Fund (CDDCF)			Study report	Revenue	Q1-Q4		
Turkana Multi hazard/Risk Assessment and stake holder capacity mapping	County wide	Amount allocated to CDDCF	Field report.	Revenue	Q1,Q2		
Regular Assessments of Food , floods, and conflict	County wide	Reports	Field reports.	Treasury	Q1-Q3		
Turkana County Relief Programme	County wide	Assessment reports	Report	Public service dept.	Q1-Q4		
Turkana Cash Transfer Programme at ward level	County wide	% of vulnerable people assisted	Report	Treasury	Q1-Q4		
Scheme of service	County wide	No. of Households assisted	Progression	Public service dept.	Q1-Q4		
Performance Appraisal	County wide	Existence of personnel scheme of service	Pass reports.	Public service dept.	Q4		

4.2.8 TRANSPORT, ROADS, HOUSING AND PUBLIC WORKS

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
Tarmac Lodwar town roads	Lodwar	Km road network tarmacked	BoQs; Drawings; site minutes; Progress Reports	Treasury	Q1-Q4		
Gravel rural roads	County wide	Km road network gravelled	BoQs; Drawings; site minutes; Progress Reports	Treasury	Q1-Q4		
Gravelling of two class D roads	Makutano-Lokitaung, Lokori-kapelbok	Km road network gravelled	BoQs; Drawings; site minutes; Progress Reports	Treasury	Q1-Q4		
Construction of Nawoyaregae/ Kapelbok bridge (Flagship)	Nawoyaregae /Kapelbok	Bridge	BoQs; Drawings; site minutes; Progress Reports	Treasury	Q1-Q4		
Construction and Renovation of County Departmental Offices	County wide	No. offices renovated	BoQs; Drawings; site minutes; Level of	Treasury	Q1-Q4		

			completion; Building				
Preliminary works for Lodwar International Airport	Lodwar	Feasibility studies and design works	Site Meetings; PDP's	Treasury Planning	Q1-Q4		
Phase 1 Works for Lodwar Storm water drainage	Lodwar	Feasibility studies and design works	BoQs; Drawings; site minutes; Progress Reports	Treasury	Q1-Q3		
Construct & Equip mechanical garage	Lodwar	No. of plant/machinery maintained in-house vs those referred externally	BoQs; Drawings; site minutes; Level of completion; Building	Treasury	Q1-Q4		
Purchase fire engine	Lodwar	No. of fire outbreaks managed	Asset registers	Procurement Treasury	Q1		
Purchase graders and rollers	County wide	Income generated and actual demand of plant and equipment	Asset registers	Procurement Treasury	Q1		
Train BodaBoda riders/Capacity Building and	County wide	No. of riders trained	Training Reports	Treasury Planning Procurement	Q1-Q3		

formation of county transport association				Audit Revenue			
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4.2.9 PASTORAL ECONOMY AND FISHERIES

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
Revival of Turkana Fishermen Co-op. society	Kalokol	Tones of fish sold	Sales records	Fisheries Dept			
Frame survey	County wide	Frame survey reports	Field reporting tools; Reports	Fisheries Dept			

Demarcation of fish breeding areas	Lake Turkana	Percentage of breeding zones demarcated		Fisheries Dept			
Rescue units/BMUs infrastructure and Empowerment	Lake Region	Number of rescue units established	Reports;	Fisheries Dept			
Fisheries market infrastructure/fish value addition	Kalokol	No. of market infrastructures established	BoQs; site minutes; Drawings;	Fisheries Dept			
Fisheries livelihood Development support	Kalokol	Amount of funds allocated	Disbursement records; List of beneficiaries	Fisheries Dept			
Resource monitoring facilities	County wide	Number of facilities established	Study reports	Fisheries Dept			
Fish Stock Assessment	Kalokol	Stock assessment reports	Field reporting tools	Fisheries Dept			
Preliminaries for Lake Turkana Management Authority	Lake Region	Preliminary report	Minutes; Study reports	Fisheries Dept			

Establish fish hatcheries	Lake Zone	No. of functional hatcheries	Hatcheries; Reports	Fisheries Dept			
Construction and stocking of three Strategic feed	County Wide	No of strategic feed reserves established	Drawings; BoQs; Site minutes; Level of completion	Livestock Dept;			
Multiplication and breeding centres	County Wide	Percentage of livestock improved	Reports	Livestock Dept;			
Market infrastructure development	County Wide	Number of marketing infrastructure developed	Drawings; BoQs; Site minutes; Progress reports	Livestock Dept;			
Promote poultry and beekeeping	County wide	Tonnage of poultry products produced	Sales/Production records	Livestock Dept;			
Livestock extension services support	County wide	Percentage of farmers adopting new farming techniques	Reports	Livestock Dept;			
Establishment of holding ground(FLAGSHIP)	County Wide	Number of holding grounds established	Reports	Livestock Dept;			

Rangeland rehabilitation	County Wide	Acreage rehabilitated	Reports	Livestock Dept;			
Fodder and pastures production, conservation and development	County Wide	Number of acreage under pasture and fodder	Reports	Livestock Dept;			
Livestock census	County Wide	Census report	Field reporting tools; Report	Livestock Dept;			
Support Lomidat abattoir	Lokichoggio	Amount of money allocated	Disbursement reports	Livestock Dept;			
Livestock Emergency and restocking	County Wide	Amount of money allocated	Off take reports; Reports	Livestock Dept;			
Construction of hide and skin tannery	Nadapal	Number of hide and skin tannery	Tanneries; Reports	Livestock Dept;			
Annual Vaccination of livestock at ward level	County wide	Percentage of livestock vaccinated	Field reporting tools; Reports; Vaccination certificates issued	Veterinary Dept			
Mass deworming and treatment of Livestock at ward level	All Wards	Percentage of livestock dewormed and treated	Field reporting tools; Certificates issued	Veterinary Dept			
Diseases surveillance and assessments at ward level	All Wards	Surveillance reports	Reports;	Veterinary Dept			

Livestock health Extension(CBAHWs)services	County Wide	Percentage of livestock keepers reached	Reports; Minutes	Veterinary Dept			
Veterinary Public Health services(CBAHWs)	County Wide	Livestock diseases incidence	Reports;	Veterinary Dept			
Equip county laboratory	County headquarters	Functional laboratory	BoQs; Drawings; Site minutes; level of completion	Veterinary Dept			
Support livestock emergencies health and production at ward level	All wards	Percentage of healthy livestock	Reports	Veterinary Dept			

4.2.10 ENERGY, ENVIRONMENT AND NATURAL RESOURCES

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
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Establishment of tree nurseries	County Wide	Number of tree nurseries	Reports	MEENR	Q1-Q4		
Forest Gazettement-Loima	Loima	Number gazette forests	Policy; reports	MEENR	Q1-Q3		
Aboretum	Lodwar	Arboretum in place	Reports;	MEENR	Q1,Q2		
Gazettement and protection of Game Reserves	Kibish/Lotikipi	Number of Game Reserves	Reports; Policies	MEENR	Q1-Q4		
Research in developing Agro Forestry technologies	County wide	No. of research conducted	Study reports	MEENR	Q1-Q4		
Research in developing indigenous fruit trees	County wide	No. of research conducted	Study reports	MEENR	Q1-Q4		
Management of Prosopis	Lake Zone, Lokangae and Lokubae	Management manual	Reports; Manual	MEENR	Q1-Q4		
Micro mining(Small scale miners)	County wide	No. trained and exposed	Training reports	MEENR	Q2-Q4		
Engagement with Investors in Energy Sector	Lodwar	Number of meetings held	Minutes	MEENR	Q1-Q4		

Preparation of County Environmental Action plan	County wide	Number of action plans	Reports; Plans	MEENR	Q2-Q4		
Identification, formation, training and supporting NR Committee	County wide	No. of sensitization sessions	Training reports; Training materials	MEENR	Q2-Q4		
Scout/Ranger Movement	County Wide	Number of people trained	Training reports; Training materials	MEENR			
Rural Solar Lighting(Ward level)	All Wards	Percentage of HHs or facilities with solar power	Reports	MEENR	Q1-Q3		
Construction of office	Lodwar	Office building	BoQs; Drawings; Site minutes	MEENR	Q1,Q2		

4.2.11 LANDS, PHYSICAL PLANNING AND URBAN AREAS MANAGEMENT

Sub-Programme	Location	Monitoring Indicators	Monitoring tools	Implementing unit	Time frame	Status	Remarks
Land Management and Governance (Public Participation sensitization and awareness)	County wide	Level of Public awareness and participation on land	Field reports.	Lands dept.	Q1-Q4		

Land Registration, adjudication and settlement	Lokichoggio, Kakuma, Lodwar and Lokichar	Adjudicated areas Plans and maps	Reports.	Lands dept.	Q1-Q4		
Development of County Spatial Development Plan	County wide	County Spatial plan draft	Reports; county spatial development plan.	Lands dept.	Q1-Q3		
Development of Turkana County Land Policy and Regulations	County wide	Efficiency in land governance and management	Land policy regulations; field reports.	Lands dept.	Q1-Q3		
Compulsory land acquisition for public utilities	County wide	Increased Sites for public use	Allotment letter	Lands dept.	Q1-Q4		
Establishment of land registry and land information database	Lodwar	Land registry and database	Land registry and information database.	Lands dept.	Q1,Q2		
Technical equipment for survey and mapping (Total station, Geoditic GPS and Landcruiser)	Lodwar	Items acquired and in use	Technical designs; Level of completion; minutes; reports.	Lands dept.	Q1-Q3		

Physical planning of potential towns in the county	Kibish, Katilia, Kalobeyei, Kainuk, Namoruputh, Kaikor, Eliye, Kapedo and Nakurio	Order and development control in towns -increased development applications for approvals	Physical plan.	Lands dept.	Q1-Q4		
Street lighting on major urban and trading centres	Lokori, Lokichar, Kakuma, Lokichoggio, Kalokol and Lokitaung	% of roads with street lights	Reports.	Urban areas management dept.	Q1-Q3		
Town Management	Lokichar, Kakuma and Lokichoggio	No. of Services provided	Reports and plans; minutes.	Towns management dept.	Q1-Q3		
Improvement of Moi Garden Stadia	Lodwar	Functionality and frequency of use by public	Reports.	Urban areas management dept.	Q1-Q3		
Establishment of recreational park and street naming	Lodwar	Functionality and frequency of use by public	Reports.	Urban areas management dept.	Q1-Q4		
Fencing of the ministry's offices (MoLPUA)	Lodwar	Increased office security	Plans; reports; fence.	Lands dept.	Q1,Q2		

Setting up of dumping site in Lodwar	Lodwar	Reduced solid waste in town	BoQs; Drawings; site minutes; Level of completion; Dump site	Urban areas management dept.	Q1,Q2		
Establishment of a bus park and pavements	Lodwar	Existence of bus park and pavements	BoQs; Drawings; site minutes; Level of completion; Building	Urban areas management dept.	Q1,Q2		
Lodwar Town Beautification Programme	Lodwar	No. of installations to beautify town	Reports; plans; level of completion.	Urban areas management dept.	Q1-Q3		
Garbage Truck	Lodwar	Functional Garbage Truck	Asset register; log-book	Urban areas management dept.	Q1		
Construction of Drainage system of Lodwar town	Lodwar	Length of Drainage trench excavated	BoQs; Drawings; site minutes; Level of completion; drainage system; minutes; reports.	Urban areas management dept.	Q1		
Street lighting in Lodwar town	Lodwar	Length of roads under street lights	BoQs; Drawings; Level of completion; street lights;	Urban areas management dept.	Q1,Q2		

			minutes; reports.				
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4.2.12 COUNTY ASSEMBLY

Sub-Programme	Location	Monitoring Indicators	Monitoring Tools	Implementing Unit	Time Frame	Status	Remarks
Construction of New Assembly Building	Lodwar	County Assembly chamber in place	BoQs; Drawings; Level of completion; Site minutes	County Assembly			
Construction of Speaker's Residence	Lodwar	Speaker's residence in place	BoQs; Drawings; Level of completion; Site minutes	County Assembly			

ANNEXES

ANNEX 1: COUNTY FACT SHEET

This is a summary of statistics that describe the county at a glance, and was compiled using data obtained from various documents and sources including Kenya National Bureau of statistics, IDC, line ministries among others

Table : Turkana County Fact Sheet

INFORMATION CATEGORY	STATISTIC	
County Area:		
Total area KM ² (KPHC 2009)	68,680.3	
Water mass KM ²	6,405	
Gazetted Forests KM ²	0	
Non-gazetted Forests (Ha)	20,000	
National Parks/Reserves	2	
Arable land Ha	2,500,000	
Non-arable land KM ²	4,368,030	
Total urban areas KM ²	1684.3	
No. of towns with population of over 10,000people	3	
Proportion of county to land area of Kenya (%)	11.81	
Rank in terms of size to other counties	2	
Topography and climate		
Lowest altitude (M)metres above sea level	360	
Highest (M)metres above sea level	914	
Temperature range:		
High °C	41	
Low °C	20	
Average temperature °C	30.5	
Rainfall:		
High (mm)	480	
Low (mm)	52	
Mean (mm)	200	
Average relative humidity (%)	45	
Wind speed (Km/hr) Knots	9	
Demographic Profiles		
Total population(2012)	1,036,586	
Total male population	539,342	
Total female population	497,244	
DependencyRatio (%)	31	
Sex ratio (M:F)	1: 0.9	
Projected population:		
Year 2015	1,256,152	
Year 2017	1,427,797	
Infant population:		
Female	7,649	9,269
Male	7,881	9,550
Total	15,530	18,820
Population under five:		
Female	54,049	65,497

INFORMATION CATEGORY		STATISTIC	
	Male	57,530	69,716
	Total	111,579	135,213
Primary schoolage group(6-13 Yrs)			
	Female	111,089	134,619
	Male	123,970	150,229
	Total	235,059	284,848
Secondary School age group(14-17 Yrs)			
	Female	39,103	47,386
	Male	50,279	60,929
	Total	89,382	108,315
Youth population (15-29 Yrs)			
	Female	120,306	145,789
	Male	140,694	170,495
	Total	261,000	316,284
Labour force (15-64 Yrs)			
	Female	214,133	259,490
	Male	227,846	276,107
	Total	441,979	535,597
Female Reproductive Age Group(15-49 Yrs) 2009		192,737	233,562
Aged population (65 + Yrs)			
	Female	9,398	11,389
	Male	10,401	12,604
	Total	19,799	23,993
Eligible voting population (18 +Yrs)			
	Male	238,247	288,712
	Female	223,531	270,878
	Total (County)	461,778	559,590
Urban Population:			
	Female	46543	56,402
	Male	48482	58,751
	Total	95,025	115,153
Rural Population:			
	Female	363787	440,843
	Male	396587	480,590
	Total	760374	921,433
Population density:			
	Highest	420	509
	Lowest	1	1
	County	15	18
Crude Birth Rate		443/1000	
Crude Death Rate		8.1/1000	
Infant Mortality Rate (IMR)		66/1000	
Neo-Natal Mortality Rate (NNMR)		80/1000	
Child Mortality Rate (CMR)		14.6/1000	
Under Five Mortality Rate (U5MR)		72/1000	
Life expectancy: Male		54.8	
Female		59.1	
Total number of households		123,191	
Average household size		7	
Female headed households		42,698	

INFORMATION CATEGORY	STATISTIC
Male headed household	80,493
Children in need of special protection:	
Orphans	19,000
Physically disabled persons (No.)- all types of disabilities	25,509
Poverty Indicators	
Absolute poverty:	
Percentage (%)	92
Number	776,702
Contribution to national poverty (%)	1.3
Urban poor:	
Percentage (%)	60.2
Number	106,125
Rural poor:	
Percentage (%)	59.3
Number	182,842
Food poverty:	
Percentage	72.7
Number	621,875
Income per capita (Kshs)	913
Sectoral contribution to household income (%)	
Agriculture, forestry, fishing and Mining	88
Crop farming:	
Average farm size (Small scale) in ha	0.8
Average farm size (Large scale) in ha	2.0
Percentage of farmers with title deeds	0
Total acreage under food crops (Ha)	5739
Total acreage under cash crops (Ha)	0
Total acreage under soil/land conservation	0
Total acreage under farm forestry	0
Total acreage under organic farming	0
Main storage facilities	Improved granaries, stores
On-farm	Improved granaries, stores
Off-farm (Commercial)	Godowns, Silos (Cereals Board)
Population working in agriculture	120,226
Livestock farming:	
Number of Ranches	
Company ranches	0
Group ranches	0
Total	0
Average size of ranches	0
Main livestock bred and their numbers (2009):	
Cattle	1,534,612
Sheep	3,517,151
Goats	5,994,861
Camels	832,462
Poultry	180,793
Land carrying capacity/Acre	1:25
Total No. of ranches	0

INFORMATION CATEGORY		STATISTIC
Beekeeping apiaries(bee hives)		32,581
Bee hives		19,205
Milk production:		
	Quantity (Litres)	77,783,164.5
	Value (Kshs.)	1,169,161,575
Beef production:		
	Quantity (KGs)	671,028,420
	Value (Kshs.)	199,678,000
Mutton Production:		
	Quantity (KGs)	10,600,000
	Value (Kshs.)	77,184,000
Poultry meat Production:		
	Quantity (KGs)	3,850.50
	Value (Kshs.)	673,838
Honey Production: Quantity; tonnage		103.134
	Value	1,800,000
Fisheries production:		
Fishermen (No.)		7,300
Fish farm families (No.)		800
Fish ponds		0
Area of fish ponds M ²		0
Main species of fish catch:		Tilapia Mudfish Nile perch King fish
	Fish catch types (MT p.a.)	3400
Landing beaches (No.)		23
Fishing gear (No.):		
	Fishing nets:	54,000
	Hooks:	44,500
	Traps:	300
	Boats	1205
Fish harvest:		
	Weight (MT p.a)	8,500
Wildlife Resources		
Animal types: Crocodiles		1700
Elephants		280
Jackals		150
Hyenas		250
Buffaloes		200
Flamingoes		2000
Jackals and water falls		> 250
Leopards		20
Gazelles		1500
Wildlife estates-private,		0
Staff of KWS camps		62
Parks		3
Forestry		
No. of gazetted forests		0
No. of non-gazetted forests		0
Size of gazetted forests KM ²		N/A

INFORMATION CATEGORY	STATISTIC
Size of non-gazetted forests KM ²	N/A
Main forest products:	Charcoal Gums Resins(Aloe) Makuti Firewood
No. of people engaged in forestry	0
Annual seedlings production	150,000
Farms engaged in farm forestry	0
Average no. of trees per farm	0
Non-timber forest products harvested	0
Community Forest Associations (CFA) established	0
Quantity of timber produced	0
Environment	
EIAs endorsed (No.)	47
Environment audits executed	0
Solid waste management sites	0
Hill tops and slopes and mountain areas protected	0
Rivers, lakes and wetlands protected	1
Number of coastal sites protected	0
Number of quarry sites renovated	0
Number of climate change adaptation projects/programmes	0
Cooperatives	
No. of cooperative societies	20
SACCOs	6
Marketing societies	14
Active cooperative societies	6
Dormant cooperative societies	7
Collapsed societies	7
Total registered membership	8,900
SACCOs	491
Marketing societies	7,729
Total turn-over (Kshs.)	1,268,974
SACCOS	614,274
Marketing societies	654,700
Health	
Number of health posts:	
Level IV Hospital	4
Hospitals (Mission/NGO)	2
Hospitals (Private)	0
Nursing homes (Private)	0
Health centres (Public)	9
Health centres (Private)	1
Dispensaries (Public)	71
Dispensaries (Mission/NGO)	32
Private clinics	17
Beds capacity:	442

INFORMATION CATEGORY		STATISTIC
Average distance to health facility(Km)		50
Doctor/population ratio		1:70,000
Nurse/ population ratio		1:5,200
HIV prevalence (%)		6.9
Children vaccination (%)		35.3
Contraceptive acceptance (%)		11
Antenatal care (ANC) (%)		46
Place of Delivery (%):		
	Hospital	2.4
	Health Centre	1.5
	Dispensary/clinic	2.1
	Maternity home	0
	At home	94.0
Delivery Assistant (%):		
	Doctor	0
	Midwife/nurse	5.9
	TBA	54
	Trained TBA	0.4
	Self	39.7
	Other	0
Morbidity Rates (%):		
	Male	41.6
	Female	48.2
	Total (County)	44.8
Malaria Control:		
Children under 5 who sleep under bed net (%):		
	Untreated net	7.7
	Treated net	1.2
Five most prevalent diseases (%):		
	Malaria/fever	41.8
	Diarrhoea	2.6
	Stomach-ache	6.0
	Respiratory Diseases	
	Upper	18.5
	Lower	1.7
	Flu, etc	8.5
Education		
Pre-school:		
	No. of ECD centres	682
	No. of ECD teachers	682
	Teacher/pupil ratio	1:152
	Total enrolment	
	Boys	60,094
	Girls	41,000
	Total	101,094
	Drop-out rate (%)	33
	Average years of attendance	2
Primary School:		
	Number of primary schools	338
	Number of teachers	1401

INFORMATION CATEGORY		STATISTIC
	Teacher/pupil ratio	1:77
	Drop-out rate (%)	46
	Enrolment rates (%)	30
	Average years of attendance	10
	Transition rates (%)	38
	Gross Enrolment Ratio	67:100
	Net Enrolment Ratio	40:100
Communities' distribution by distance to nearest public primary school(%):		
	0 – 1KM	18.3
	1.1 – 4.9KM	0
	5KM and more	81.3
Secondary Schools:		
	Number of secondary schools	33
	Number of teachers	277
	Teacher/student ratio	1:45
	Total enrolment : Boys	6,920
	Girls	3,195
	Total	10,115
	Drop-out rate (%)	8
	Average years of attendance	4
	Gross Attendance ratio	3.1
	Net Attendance ratio	
Communities distribution by distance to nearest public secondary school		
	0 – 1KM	10.3
	1.1 – 4.9KM	4.4
	5KM and more	85.2
Tertiary Institutions:		
	Universities/university colleges	2
	Science & Technology Institutes (No.)	1
	Other Public Colleges (No.)	1
	Youth Polytechnics (No)	1
	Private Accredited colleges	0
	Private Non accredited college (No)	0
Literacy: (Population aged 15+)		
	Ability to read:	
	Can read (%)	21.9
	Cannot read (%)	78.1
	Ability to write:	
	Can write (%)	19.6
	Cannot write (%)	80.4
	Ability to read and write:	

INFORMATION CATEGORY		STATISTIC
	Can read and write (%)	22.2
	Cannot read & write (%)	77.8
Water and Sanitation		
Households with access to piped water (No)		10,875
HH with access to portable water (No)		33,237
No. of permanent rivers		1
No. of shallow wells		531
No. of protected springs		10
No. of un-protected springs		35
No. of water pans		64
No. of dams		35
No. of boreholes		511
HH with roof catchment systems		5,819
Mean distance to nearest water point (Km)		12
Percentage distribution of households by source of safe drinking water.		
	Safe source	34.3
	Unsafe source	65.7
	Not stated	0
Household's distribution by time taken (minutes, one way) to fetch drinking water (%)		
	0	0
	1 – 4	10.8
	5 – 14	11.8
	15 – 29	17.9
	30 – 59	30
	60+	29.5
Number of Water Resource User Associations (WRUA) established		25
Households by main mode of Human Waste Disposal (No.– KPHC 2009)		
	Flush toilet	577
	VIP Latrine	1106
	Covered/Uncovered Pit Latrine	20,214
	Bucket	67
	Bush	100997
	Other	230
Community distribution by type of waste/garbage disposal (%):		
	Collected by Local Authority	0.2
	Collected by Private Firm	0
	Garbage pit	0.3
	Burning	97.0
	Public garbage heap	2.5
	Farm garden	0
	Neighborhood community group	0
Energy		
Trading centres with electricity (No)		3
Health facilities with electricity (No)		5
HH distribution by main cooking fuel (%)		
	Collected firewood	80.5
	Purchased firewood	8.1
	Grass	0
	Paraffin	1.7

INFORMATION CATEGORY	STATISTIC
Electricity	0
Gas (LPG)	0.4
Charcoal	9.3
Biomass Residue	0
Biogas	0
Other	-
HH distribution by main lighting fuel (%)	
Collected firewood	50
Purchased firewood	1.5
Grass	0
Paraffin	20
Electricity	10
Solar	5
Gas (LPG)	0
Dry cell (torch)	12.5
Candles	1
Biogas	0
Households' distribution by cooking appliance type: (%)	
Traditional stone fire	85.9
Improved traditional stone fire	0
Ordinary Jiko	11
Improved Jiko	0.9
Kerosene stove	1.8
Gas cooker	0.4
Electric cooker	0
Other	0
Institutions (schools, hospitals, prisons) using solar energy	120
Transport & Communication	
Road length (KM)	5,496.2
Bitumen surface	488.5
Earth surface	5007.7
Airports	1
Airstrips	22
No. of Telephone connections	460
Mobile network coverage (%)	25
No. of private courier services	4
Number of Post offices	5
Wholesale and Retail Trade & Industry	
Trading centres (No.)	80
Registered retail traders (No.)	1,530
Registered wholesale traders (No.)	41
Industry	
Jua Kali Associations	1
Jua Kali Artisans	60
Tourism	
Hotels by category:	
Unclassified hotels	60
Bars and restaurants	32
Financial Services	
Commercial banks	3

INFORMATION CATEGORY	STATISTIC
Micro-finance Institutions	2

Source: KNBS and Turkana County Development Offices

Annex 3: Indicative Monitoring & Evaluation Impact/Performance Indicators (Milestones)

Sub-sector	Situation in 2012	Projection 2015	Projection 2017
Agriculture and Rural Development			
Total acreage under food crops	5739	15,700	20,000
Total acreage under cash crops	0	50	120
Total acreage under soil/ land conservation	0	50	120
Total acreage under farm forestry	0	6	8
Total acreage under organic farming	0	1	2
Livestock Farming:			
Bee apiaries (No.)	5	15	20
Bee hives (No.)	32,581	36,000	38,000
Milk production (Ltrs)	77,783,164.5	80,800,000	96,560,000
Egg production (No.)	12,500	20,000	60,000
Poultry meat production(kgs)	3,850.50	4576	7330
Honey Production(Kgs)	90,000	120,000	160,000
Forestry			
No. of gazette forests	0	1	1
Cooperatives			
Active cooperative societies	6	15	20
Total Registered membership	8,900	12,000	15,000
Total turn-over	1,268,974	2,000,000	2,500,000
Veterinary			
PPR and CCPP control			
-Small stock vaccinated-PPR	1,500,000	2,520,000	3,550,000
-Small stock vaccinated-CCPP	1,349,338	2,500,000	3,650,000
Integration of Turkana Community Based Animal Health care (CBAHC) project through No. of CAHWs	Nil	20	40
Livestock identification: Branding			
Cattle	120,012	262,000	405,000
Donkeys	25,424	38,000	52,000
Camels	115,149	300,000	500,000
Avian Influenza control:			
No. of Educational Barazas	5	10	12
No. CAHWs reporting	6	40	40
Livestock Farmers Field Schools (LFFS):			
-No. of Agro-pastoralists			
-No. of Nomadic pastoralists	25,000	38,000	43,000
	358,000	280,000	250,000

Sub-sector	Situation in 2012	Projection 2015	Projection 2017
CAHWs trained & practicing PATTEC technology?	6	20	40
Health			
Beds capacity	914	1200	2000
Doctor/population ratio	1:70,000	1:60,000	1:50,000
Nurse/population ratio	1:5,200	1:4,000	1:2,000
HIV prevalence (%)	6.9	5	3
Average distance to health facility (km)	50	40	25
Antenatal care (ANC) (%)	50	60	80
Health facility deliveries (%)	5.9	15	30
Contraceptive acceptance (%)	11	15	30
Children Immunization (%)	35.3	50	80
No. of CHWs	0	20	50
HIV/AIDS:			
No. of VCT sites	21	30	40
No. of trained counselors	23	55	120
Crude Birth rate	443/1000	300/1000	200/1000
Crude Death rate	8.1/1000	6	4
Infant Mortality Rate (IMR)	66/1000	60/1000	50/1000
Under Five Mortality Rate (U5MR)	117/1000	100/1000	87/1000
Life expectancy	57	60	65
Nutrition			
GAM (%)	22.5	15	10
SAM (%)	3.1	1.5	1
Exclusive Breastfeeding Rates (%)	12	45	75
Vitamin Supplementation Coverage (%)	45	60	85
Education			
Pre- primary			
Teacher/pupil ratio	1:115	1:100	1:80
Total enrolment	101,094	135,213	186,243
Drop-out rate (%)	33	30	25
Primary			
Teacher/pupil ratio	1:64	1:55	1:50
Total enrolment	84,736	130,000	260,000
Drop-out rate (%)	46	36	26
Secondary			
Teacher/pupil ratio	1:45	1:40	1:40
Total enrolment	4,501	3,200	3200
Drop-out rate (%)	8	5	4
County literacy level (%)	20	28	40
Population growth rate (%)	6.4	5.0	4.0
Poverty levels (%)	92	86	75
Water and Sanitation			
Households with access to piped water	15,258	25,000	50,000
Households with access to potable water	33,237	37,000	42,000
No. of shallow wells	531	650	800
No. of protected springs	10	25	35
No. of un-protected springs	35	20	10
No. of water pans/earth dams	64	80	100
No. of Sub-surface dams	35	50	80
No. of Bore holes	511	600	800
Households with roof catchment systems	5,819	6,000	6200
Average distance to nearest water point (km)	12	10	8
Households with Latrines	22,820	30,000	60,000

Sub-sector	Situation in 2012	Projection 2015	Projection 2017
No. of Water Resource Users Associations (WRUA) established	25	50	100
Water quality acceptable levels (%)	34	45	50
Energy			
Trading centers connected with electricity	3	8	15
Physical Infrastructure			
Earth surface (km)	2283	2500	3,000
Youth Department			
No. of registered active youth groups	200	400	800
No. of youth groups accessing micro-finance credit facilities	40	100	300
No. youths trained in youth polytechnics	150	300	600
Instructor/Trainee ratio in Youth Polytechnic	1:30	1:20	1:15
No. of operational youth empowerment centers	0	1	2
No. of sports facilities	1	2	3
No. of trained youth counselors on HIV and AIDS	23	55	120

ANNEX 4: MDG table

MDG goal	Targets	County status
Goal 1: Reduce extreme poverty and hunger	Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day Target 1.B: Achieve full and productive employment and decent work for all, including women and young people Target 1.C: Halve, between 1990 and 2015, the proportion of people who suffer from hunger	92% of Turkana county residents poor Food poor population is 72.7%
Goal 2: Achieve universal primary education	Target 2.A: Ensure that, by 2015, children everywhere, boys and girls alike, will be able to complete a full course of primary schooling	Transition rate is 38% Literacy rate is 2.2% Gross enrolment rate is 67% Net enrolment ratio 40 %
Goal 3: Gender equality and women empowerment	Target 3.A: Eliminate gender disparity in primary and secondary education, preferably by 2005, and in all levels of education no later than 2015	No women was elected to parliament in the county in 2007-2012 term Ratio of girls to boys in secondary schools is 1:2
Goal 4: Reduce infant mortality	Target 4.A: Reduce by two-thirds, between 1990 and 2015, the under-five mortality rate	Infant mortality rate stands at 66 deaths per 1,000 live births

MDG goal	Targets	County status
		<p>Under-five mortality rate stands at 72 deaths per 1,000 live births</p> <p>Full immunization coverage of children aged 12-23 months is 80-90 %</p>
Goal 5: Improve the maternal health	<p>Target 5.A: Reduce by three quarters, between 1990 and 2015, the maternal mortality ratio</p> <p>Target 5.B: Achieve, by 2015, universal access to reproductive health</p>	<p>Home deliveries stand at 94%</p> <p>Contraceptive acceptance rate 11%</p>
Goal 6: Combat HIV/AIDS, malaria and other diseases	<p>Target 6.A: Have halted by 2015 and begun to reverse the spread of HIV/AIDS</p> <p>Target 6.B: Achieve, by 2010, universal access to treatment for HIV/AIDS for all those who need it</p> <p>Target 6.C: Have halted by 2015 and begun to reverse the incidence of malaria and other major diseases</p>	<p>HIV/AIDS prevalence in the county stands at 6.9%</p> <p>30% of children sleep under a mosquito net</p>
Goal 7: Ensure environmental sustainability	<p>Target 7.A: Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources</p> <p>Target 7.B: Reduce biodiversity loss, achieving, by 2010, a significant reduction in the rate of loss</p> <p>Target 7.C: Halve, by 2015, the proportion of people without sustainable access to safe drinking water and basic sanitation</p> <p>Target 7.D: By 2020, to have achieved a significant improvement in the lives of at least 100 million slum dwellers</p>	<p>Proportion of population with access to safe drinking water is 34.3%</p> <p>Nearest water point is 12 Km</p> <p>Proportion of population with access to sanitation is 18 %</p>
Goal 8: Develop a Global Partnerships	<p>Target 8.A: Develop further an open, rule-based, predictable, non-discriminatory trading and financial system</p> <p>Target 8.C: Address the special needs of landlocked developing countries and</p>	<p>—</p>

MDG goal	Targets	County status
for development	<p>small island developing States (through the Programme of Action for the Sustainable Development of Small Island Developing States and the outcome of the twenty-second special session of the General Assembly)</p> <p>Target 8.D: Deal comprehensively with the debt problems of developing countries through national and international measures in order to make debt sustainable in the long term</p> <p>Target 8.B: Address the special needs of the least developed countries</p> <p>Includes: tariff and quota free access for the least developed countries' exports; enhanced programme of debt relief for heavily indebted poor countries (HIPC) and cancellation of official bilateral debt; and more generous ODA for countries committed to poverty reduction</p>	

