



REPUBLIC OF KENYA

MURANG'A COUNTY

FIRST COUNTY INTEGRATED DEVELOPMENT PLAN

2013-2017



Jan 2014

County Vision and Mission

Vision

To be the leading county in socio-economic transformation

Mission

To transform the county through participative, equitable and sustainable development initiatives for the benefit of all

Table of Contents

List of tables	4
List of maps/ figures	5
Abbreviations and Acronyms	6
Executive Summary	13
1 COUNTY GENERAL INFORMATION	15
1.0 Introduction	15
1.1 1.1 Location and Size	15
1.2. Physiographic and Natural Conditions	16
1.3 Administrative and Political Units	16
1. 4 Demographic Features	19
1.5. Human Development Indicators	26
1.6 Infrastructure and Access	26
1.7 Land and Land Use	29
1.8 Community Organizations/Non-State Actors	30
1.9 Crop, Livestock and Fish Production	30
1.10 Forestry and Agro Forestry	32
1.11 Environment and Climate Change	34
1.12 Mining	36
1.13 Tourism	37
1.14 Industries	38
1.15 Employment and Other Sources of Income	39
1.16. Water and Sanitation	39
1.17. Health Access and Nutrition	40
1.18 Education and Literacy	42
2 COUNTY DEVELOPMENT ANALYSIS	45
2.0 Introduction	45
2.2 Major Development Challenges	45
2.3 Cross-cutting Issues	47
2.1 2.4 Potential Strategic Policy Thrusts	59
3 COUNTY SPATIAL FRAMEWORK	73
3.1 Introduction	73
3.2 Spatial Planning	73
3.3 Human Settlements	74
3.4 Situation Analysis	76
3.6 Mining	85
3.7 Tourism	85
3.10 Industries	88
3.11 Challenges and Constraints	89
3.12 Way Forward	89
3.13 Conclusion and Recommendations	89
4 LINKAGES WITH OTHER PLANS	91
4.0 Introduction	91

4.1	Integrated Development Planning	91
4.2	Legislation on Integrated Planning in Kenya	91
4.3	CDP Linkages with Kenya Vision 2030 and Medium Term Plans	92
4.4	CDP Linkages with the Constitution of Kenya, 2010	93
4.5	Implementation of the Millennium Development Goals at the County Level	94
5	IMPLEMENTATION FRAMEWORK	99
5.0	Introduction	99
5.1	Organizational Flow	99
5.2	Stakeholders in the County	102
6	RESOURCE MOBILIZATION FRAMEWORK	106
6.0	Introduction	106
6.1	Capital Projects Funding	106
6.2	Strategies for Raising Revenue	107
6.3	Assets and Financial Management	108
7	DEVELOPMENT PRIORITY PROGRAMMES AND PROJECTS	110
7.0	Introduction	110
7.1	Agriculture and Rural Development	110
7.2	General Economic, Commercial and Labour Affairs	Error! Bookmark not defined.
7.3	Energy, Infrastructure and ICT (EII)	176
7.4	Health Sector	Error! Bookmark not defined.
7.5	Education Sector	280
7.6	Public Administration and International Relations Sector (PAIR)	300
7.7	Governance, Justice, Law and Order Sector (GJLOS)	313
7.8	Social Protection, Culture and Recreation Sector (SPCR)	325
7.9	Environmental Protection, Water and Housing Sector (EPWH)	339
8	IMPLEMENTATION, MONITORING AND EVALUATION	382
8.0	Introduction	382
8.1	Agriculture and Rural Development (ARD)	382
8.2	Energy, Infrastructure and ICT (EII)	392
8.3	General Economic, Commercial and Labour Affairs	464
8.4	Health Sector	465
8.5	Education	474
8.6	Public Administration and International Relations	477
8.7	Governance, Justice, Law and Order	479
8.8	Social Protection, Culture and Recreation	481
8.9	Environmental Protection, Water and Housing Sector (EPWH)	483
8.1	ANNEXURES	525

List of tables

Table 1: Area and Administrative Units of the County by Constituency	17
Table 2: County Electoral Wards by Constituency	18
Table 4: Population Projection by Age Cohorts.....	19
Table 5: Population Projections for Selected Age Groups	21
Table 6: Population Projections by Urban Centres	23
Table 7: Population Distribution and Density by Constituency/ Sub-county	24
Table 8: Population Projections by Constituency/Sub-County.....	25
Table 9: Industries/ Factories in Murang'a County by type and Sub County	38

List of maps/ figures

Figure 1: Location of Murang'a County in Kenya	15
Figure 2 : Map of Murang'a County	18
Figure 3: Rehabilitation of Mukuyu-Githambo-Kiruri Road.....	27
Figure 4: Financial Institutions in the County	28
Figure 5: Githambo Power Sub- Station.....	29
Figure 6: Banana Growing in Maragwa.....	31
Figure 7: Fruits Growing in the County.....	31
Figure 8: Land Degradation in the County as a Result of Quarrying	35
Figure 9: A Tourist Attraction Site in the County	37
Figure 10: Tourist Hotels in the County.....	38
Figure 11: Maragwa River, a Major Source of Water in the County.....	40
Figure 12: Kambirwa Health Centre (ESP Project)	41
Figure 13: An Adult Class in Progress in Murang'a.....	42

Abbreviations and Acronyms

ACU	Aids Control Unit
ADB	African Development Bank
AI	Artificial Insemination
AIDS	Acquired Immune Deficiency Syndrome
AIE	Authority to Incur Expenditure
ANC	Ante- Natal Care
AP	Administration Police
APHIA II	AIDS, Population & Health Integrated Assistance II
ARD	Agriculture & Rural Development
ART	Anti- Retroviral Treatment
ASAL	Arid & Semi- Arid Lands
ASL	Above Sea Level
AWS	Athi Water Services
BCC	Behaviour Change Communication
BOG	Board of Governors
BPO	Business Processes Outsourcing/ Off- showing
CACC	Constituency Aids Control Committee
CAN	Calcium Ammonium Nitrogen
CBO	Community Based Organisation
CCSP	Community Capacity Support Programme
CCT	County Coordinating Team
CDC	Constituency Development Committee
CDF	Constituency Development Fund
CDP	County Development Profile/ Plan
CEC	County Executive Committee
CFAs	Community Forest Associations
CHW	Community Health Worker
CIDC	Constituency Industrial Development Centre
CIGs	Common Interest Groups
CIP	Community Implementation Plan

CLRC	Community Learning Resource Centre
CMEC	County monitoring and evaluation committee
CMR	Child Mortality Rate
CMT	County Management Team
CO ₂	Carbon Dioxide
CTC	County Technical Committee
DDO	District Development Officer
DIDC	District Information Development Centre
DO	District Officer
DOTS	Directly Observed Treatment Short Course
DPU	District Planning Unit
DRR	Disaster Risk Reduction
ECD	Early Child Development
ECLOF	Ecumenical Loan Fund
EIA	Environmental Impact Assessment
EII	Energy, Infrastructure & ICT
EMCA	Environmental Management & Coordination Act
EPWH	Environment Protection, Water & Housing
ESP	Economic Stimulus Programme
FBO	Faith-Based Organisation
FM	Frequency Modulation
GDI	Gender Development Index
GDP	Gross Domestic Product
GECLA	General Economic, Commercial & Labour Affairs
GHGs	Green House Gases
GIZ	German International Development Agency
GJLOS	Governance, Justice Law & Order Sector
GOF	Government of Finland
GOK	Government of Kenya
HDI	Human Development Index
HG	High Grade Houses
HH	Household
HPI	Human Poverty Index
ICT	Information Communication Technology
IDPs	Internally Displaced Persons

IEBC	Independent Electoral & Boundaries Commission
IEC	Information Education Communication
IMR	Infant Mortality Rate
KCB	Kenya Commercial Bank
KEBS	Kenya Bureau of Standards
KEFRI	Kenya Forest Research Institute
KEMSA	Kenya Medical Supplies Agency
KENHA	Kenya National Highway Authority
KeRRA	Kenya Rural Roads Authorities
KFS	Kenya Forest Services
KIE	Kenya Industrial Estate
KIRD	Kenya Institute of Research & Development
KNBS	Kenya National Bureau of Statistics
KPC	Kenya Power Company
KTB	Kenya Tourist Board
KURA	Kenya Urban Roads Authority
KWFT	Kenya Women Trust Fund
KWS	Kenya Wildlife Services
LATF	Local Authority Transfer Fund
LG	Low Grade houses
LPG	Liquefied Petroleum Gas
LSK	Law Society of Kenya
MCH	Mother & Child Health
MDGs	Millennium Development Goals
MG	Middle Grade houses
MGCSS	Ministry of Gender, Culture & Social Services
MOE	Ministry of Education
MOHEST	Ministry of Higher Education, Science & Technology
MOLD	Ministry of Livestock Development
MOLD	Ministry of Livestock Developments
MOMS	Ministry of Medical Services
MOPHS	Ministry of Public Health & Sanitation
MOPW	Ministry of Public Works
MOR	Ministry of Roads
MOTI	Ministry of Trade & Industry

MOWI	Ministry of Water & Irrigation
MOYA	Ministry of Youth Affairs
MSMEs	Micro- Small & Medium Enterprise
MSPND & V2030	Ministry of Planning and National Development
MTEF	Medium Term Expenditure Framework
MTP II	Medium Term Plan II
MTP	Medium Term Plan
NAAIP	National Accelerated Agricultural Inputs Access Programme
NACC	National Aids Control Council
NCPD	National Cereals & Produce Board
NEMA	National Environment Management Authority
NGOs	Non Governmental Organizations
NHIF	National Health Information Fund
NIMES	National Integrated Monitoring & Evaluation System
NMK	Njaa Marufuku Kenya
NNMR	Neo Natal Mortality Rate
NSEC	National Socio-Economic Council
ODP	Ozone Depleted Products
OOP	Office of the President
OVCs	Orphans & vulnerable Children
PAIR	Public Administration & international Relations
PC	Project Committee
PDP	Provincial Director of Planning
PLWHAs	People Living With HIV/AIDS
PM&E	Participatory Monitoring and Evaluation
PMC	Project Management Committee
PMTCT	Prevention of Mother to Child Transmission
PNMR	Post Natal Mortality Rate
PPP	Purchasing Power Parity
PSDA	Private Sector Development In agriculture
PTA	Parents Teachers Association
RPD	Rural Planning Directorate
SCCU	Sub- County coordinating Unit
SCCU	Sub- County Coordinating Unit
SCEC	Sub- County Environment Committee

SHEP UP	Small Holder, Horticulture Empowerment Promotion Unit Project
SMASSE	Strengthening Mathematics and Science in Secondary Education
SMEP DTM	Small and Micro Enterprises Programme Deposit Taking Microfinance
SMEs	Small & Medium Enterprise
SP	Sector Programme
SPCR	Social Protection, Culture & Recreation
spp	Species
SWOT	Strengths, Weaknesses, Opportunities and Threats Analysis
TB	Tuberculosis
TBA	Traditional Birth Attendant
TOWA	Total War Against Aids
U5MR	Under Five Mortality Rate
UNDP	United Nations Development Programme
VCT	Voluntary Counselling & Testing
VIP	Ventilated Improved Pit (Latrine)
WARMA	Water Resource Management Authority
WEDF	Women Enterprise Development Fund
WRUA	Water Resource Users Association
YARD	Youth Action for Rural Development
YDI	Youth Development Index
YEC	Youth Empowerment Centre
YEDF	Youth Enterprise Development Fund
YP	Youth Polytechnics

Foreword

The Constitution of Kenya 2010 provides for two distinct and interdependent levels of government – the national and the county governments. The Constitution article 220(2) makes it mandatory for every County to prepare Development Plans. The County Governments Act, 2012 states that each county shall prepare a County Integrated Development Plan (CIDP) which shall be the basis for all budgeting and spending of public funds. In addition, every county government is expected to plan for the county and no public funds shall be appropriated outside a planning framework developed by the county executive committee and approved by the county assembly. The county integrated plan focuses on economic, physical, social, environmental and spatial planning.

According to the Public Finance Management Act, 2012 the budget process for county governments in any financial year shall begin with an integrated development planning process which shall include both long term and medium term planning which will in turn inform the county budget estimates and establish financial and economic priorities for the county over the short, medium and long term. The purpose of the CIDPs is to provide comprehensive guidelines in budgeting, project funding, monitoring and evaluation of all the projects for the next five years.

The first CIDP for Murang'a County is a historical milestone. Apart from providing comprehensive guidelines in project identification, implementation and evaluation, it also facilitates proper coordination with the national government and other stakeholders in order to improve the well-being of the county citizens. In addition, the integrated development planning framework formulated will enhance linkage between policy, planning and budgeting.

The projects and programmes in this CIDP were identified through various consultative forums at the county level as provided for in the County Governments Act 2012. This was done through public participation forums which included electronic media sessions through local radio programmes, MTP II consultations as well as those on the county Medium Term Expenditure Framework. At the beginning of every financial year, annual work plans will be drawn to outline projects to be undertaken during that year.

It is my expectation that increased participation by a wide cross section of the people during identification, planning, implementation and monitoring and evaluation of projects and programmes will empower the people of Murang'a to their realize social, political and economic development.

H.E. Mwangi Wa Iria

Governor, Murang'a County

Acknowledgement

The realization of the first Murang'a County Integrated Development Plan was made possible by through the involvement and support of many individuals and organizations. We would like to appreciate the role played by these individuals and institutions. I would like to greatly appreciate our governor, H.E. Mwangi Wa Iria for his financial and moral support for the process.

We are also grateful to the members of the County Executive Committee, Heads and staff of various county and national governments departments, community groups and the private sector for providing information and ideas on programmes and projects in various sectors. We also appreciate the Kenya School of Government consultants, Mr. Samuel Macharia and Mr. Alex Mirara for their technical advice and guidance on the process.

Finally, we would also like to thank the Speaker of the County Assembly, the Clerk and entire Members of the County Assembly for actively participating in forums which enriched the document significantly. Without their support this document could not have been made a reality. God bless you all.

George Kamau

CEC, Finance and Economic Planning

Executive Summary

Murang'a County is one of the created under the Kenya Constitution 2010. It is one of the five counties in Central region of the Republic of Kenya and occupies a total area of 2,558.8Km². It is bordered to the North by Nyeri, to the South by Kiambu, to the West by Nyandarua and to the East by Kirinyaga, Embu and Machakos counties. It lies between latitudes 0° 34' South and 1° 7' South and Longitudes 36° East and 37° 27' East. The county lies between 914m above sea level (ASL) in the East and 3,353m above sea level (ASL) along the slopes of the Aberdare Mountains in the West.

The 2009 Population and Housing Census recorded a population of 936,228 persons for Murang'a County consisting of 451,751 males and 484,477 females and a growth rate of 0.4 per cent per annum. This population is projected to rise to 947,530 in 2012; 958,969 in 2015 and 966,672 persons in 2017. In 2013, Murang'a County had 2,934.95 Km of road. Of these, 387.5 Km are bituminized, 1313.1 Km are gravelled and 1234.3 Km is earth surface. The county has 65Km of railway line which is underutilised.

The major cash crops in the County include tea, coffee, avocado, mangoes, macadamia and horticulture crops, among others. Horticultural crops include tomatoes, cabbages, kales, spinach and French beans while food crops include maize, beans, bananas, sweet potatoes and cassava. Concerning education, the county has 989 pre-schools, 616 primary schools, 263 secondary schools, 48 youth polytechnics, one technical institute two colleges (Murang'a Teachers Training College and Kenya Medical Training College) and one University (Murang'a University). On health issues, Murang'a County has 272 health facilities serving a population of 959,701. It has three level five hospitals, three mission/private hospitals and three nursing homes. There are 21 health centres (public and private), 114 dispensaries (89 public and 25 mission/NGO) and 137 private clinics.

The process of identifying the projects and programmes to be undertaken over the next five years involved the entire county and its citizens in order to find the best solutions to achieve participative, equitable and sustainable long-term development. It aims to co-ordinate the work of local and other spheres of government in a coherent plan to improve the quality of life for all the people living in the County. Through this process the efforts at national and devolved levels of government and other relevant public institutions are coordinated at local level with due consideration to the economic, social, environmental, legal and spatial aspects of development for the benefit of local communities. In addition, the plan aims to protect the right to self-fulfilment within the county communities and with responsibility to future generations.

In developing the CIDP, references were made to the provisions of the County Government Act, 2012; Transition to Devolved Government Act (2012); Urban Areas and Cities Act, 2011; and the Public Finance Management Act (PFMA), 2012. The first chapter describes the general information about the county. Chapter two describes the County socio-economic development challenges and strategies while chapter three gives spatial framework within which development projects and programmes will be implemented. Chapter four describes the CIDP linkages with other county plans, and chapter five provides the institutional frame work for implementing the projects. Chapter six provides the resource mobilization framework while the county development programmes and projects priorities are given in chapter eight. The last chapter outline how programmes and projects will be monitored and evaluated in compliance with Section 108(1)(c) of the County Government Act.

CHAPTER ONE:

1 County General Information

1.0 Introduction

This chapter contains the location and size of the county as well as physiographic and natural condition, physical and topographic features, ecological and climatic conditions. It also highlights administrative and political units as well as demographic features in the county. Further, the chapter describes human development indicators at the county and gives analysis on infrastructure, land and land use, non-state actors, crops, livestock and fish production. It also gives highlights on environment and climate change interventions, mining, tourism, industrial development as well as education and literacy levels in the county.

1.1 Location and Size

Murang'a County is one of the five counties in Central region of the Republic of Kenya. It is bordered to the North by Nyeri, to the South by Kiambu, to the West by Nyandarua and to the East by Kirinyaga, Embu and Machakos counties. It lies between latitudes $0^{\circ} 34'$ South and $1^{\circ} 7'$ South and Longitudes 36° East and $37^{\circ} 27'$ East. The county occupies a total area of $2,558.8\text{Km}^2$.

Figure 1: Location of Murang'a County in Kenya



Source: County Development Planning Office, Murang'a- 2013

1.2. Physiographic and Natural Conditions

1.2.1 Physical and Topographic Features

The county lies between 914m above sea level (ASL) in the East and 3,353m above sea level (ASL) along the slopes of the Aberdare Mountains in the West. The highest areas in the west have deeply dissected topography and are drained by several rivers. All the rivers flow from the Aberdare ranges to the West, South Eastward to join Tana River.

The geology of the County consists of volcanic rocks of the Pleistocene age and basement system rock of Achaean type. Volcanic rocks occupy the western part of the county bordering the Aberdare's while rocks of the basement system are in the eastern part. Porous beds and disconformities within the volcanic rock system form important aquifers, collecting and moving ground water, thus regulating water supply from wells and boreholes.

The topography and geology of the county is both an asset and liability to the county's development. The highest areas form the rain catchment areas from where most of rivers draining the county originate. The terrain is dissected creating the menace of landslides and gully erosion. The numerous streams and valleys necessitate the construction of numerous bridges to connect one ridge to the other; construction and maintenance of roads are therefore made difficult and expensive. Soils emanating from the volcanic activity are generally fertile and important for agriculture. The slopes in the rich volcanic soils on the higher altitudes are particularly suitable for tea growing.

1.2.2. Ecological Conditions

The county is divided into six agro ecological zones. The agro ecological zone one consists of the highest potential zones where forestry, tea and tourism industry form the most important economic activities. Agro-ecological zones two and three are the lowlands east of Aberdares and are generally suitable for both coffee and dairy farming. The flatter area of Makuyu division of Maragwa constituency is characterized by arid and semi-arid conditions. This forms the agro ecological zones 4, 5, and 6. In these zones coffee and pineapple plantations thrive by irrigation.

1.2.3. Climatic Conditions

The County is divided into three climatic regions: The western region with an equatorial type of climate, the central region with a sub-tropical climate and the eastern part with semi-arid conditions.

The long rains fall in the months of March, April and May. The highest amount of rainfall is recorded in the month of April, and reliability of rainfall during this month is very high. The short rains are received during the months of October and November. The western region, Kangema, Gatanga, and higher parts of Kigumo and Kandara, is generally wet and humid due to the influence of the Aberdares and Mt. Kenya. The eastern region, lower parts of Kigumo, Kandara, Kiharu and Maragwa constituencies receive less rain and crop production requires irrigation.

1.3 Administrative and Political Units

1.3.1 Administrative Subdivisions (Sub-county, Divisions and Locations)

Administratively, the county is divided into seven constituencies, namely, Kiharu with a total area of 409.8 square kilometres, Kangema with a total area of 173.6 square kilometres, Mathioya with a total area of 351.3 square kilometres, Gatanga with a total area of 599.0 square kilometres, Kigumo with a total area of 242.1 square kilometres, Kandara with a total area of 235.9 square kilometres and Maragwa with a total area of 466.7 square kilometre.

Table 1 shows the area and administrative units of the Murang'a County by constituency.

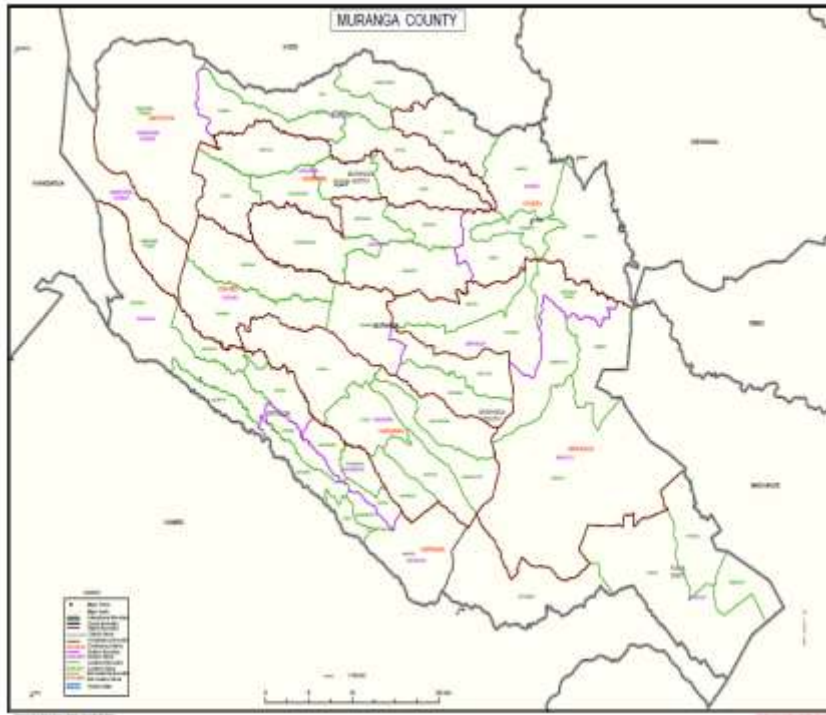
Table 1: Area and Administrative Units of the County by Constituency

Constituency	Land Area(Km ²)	No. of Sub-Counties	No of Divisions	No. of Locations
Kiharu	409.8	2	7	19
Kangema	173.6	1	2	10
Gatanga	599.0	2	7	19
Mathioya	351.3	1	4	12
Kigumo	242.1	1	3	11
Kandara	235.9	1	3	9
Maragwa	547.2	1	3	11
Total	2,558.9	9	29	85

Source: County Development Planning Office, Murang'a (2012)

The County has seven constituencies namely Kiharu, Kangema Gatanga, Mathioya, Kigumo, Kandara and Maragwa. Kiharu Constituency covers Kiharu and Kahuro sub counties while Mathioya covers Mathioya Sub County, Kangema covers Kangema Sub County, Gatanga constituency covers Gatanga Sub County and part of Thika East Sub county, Kigumo covers Kigumo sub county, Kandara covers Kandara sub county and Maragwa covers Murang'a South sub county.

Figure 2 : Map of Murang'a County



Source: Kenya National Bureau of Statistics- 2013

1.3.2 Political Units (Constituencies/ Electoral Wards)

The table 2 shows constituencies and electoral wards in Murang'a County.

Table 2: County Electoral Wards by Constituency

Constituency	Number of County Electoral Wards
Kiharu	6
Kangema	3
Gatanga	6
Mathioya	3
Kigumo	5
Kandara	6
Maragwa	6
Total	35

Source: County Development Planning Office, Murang'a2013

The county has seven constituencies and 35 electoral wards. Kiharu, Gatanga, Kandara and Maragwa constituencies have the highest number of electoral wards with six wards each. They are followed by Kigumo with five wards. Mathioya and Kangema constituencies have the least number of electoral wards with three each.

1.4 Demographic Features

1.4.1 Population Size and Composition

The 2009 Population and Housing Census recorded a population of 936,228 persons for Murang'a County consisting of 451,751 males and 484,477 females and a growth rate of 0.4 per cent per annum. This population is projected to rise to 947,530 in 2012; 958,969 in 2015 and 966,672 persons in 2017. However it should be noted that this figures do not include the population by age cohorts for four locations (Kakuzi, Ithanga, Mitumbiri and Ngelelya) which are administratively in Kiambu County as per census report of 2009. The male: female sex ratio for the county is 48:52. The higher female population in relation to male is attributed to high male emigration to other counties and towns in search of employment and business opportunities.

Table 4 below shows population projections by gender and age cohort for the county.

Table 3: Population Projection by Age Cohorts

Age Cohort	2009 (Census)			2012 (Projections)			2015 (Projections)			2017 (Projections)		
	M	F	T	M	F	T	M	F	T	M	F	T
0-4	57,758	56,251	114,009	58,455	56,930	115,385	59,161	57,617	116,778	59,636	58,080	117,716
5-9	60,903	59,271	120,174	61,638	59,987	121,625	62,382	60,711	123,093	62,883	61,198	124,082
10-14	49,520	58,162	107,682	50,118	58,864	108,982	50,723	59,575	110,298	51,130	60,053	111,184
15-19	49,964	45,324	95,288	50,567	45,871	96,438	51,178	46,425	97,603	51,589	46,798	98,387
20-24	39,934	37,888	77,822	40,416	38,345	78,761	40,904	38,808	79,712	41,233	39,120	80,353
25-29	31,622	36,550	68,172	32,004	36,991	68,995	32,390	37,438	69,828	32,650	37,739	70,389
30-34	28,932	32,310	61,242	29,281	32,700	61,981	29,635	33,095	62,730	29,873	33,361	63,233

Age Cohort	2009 (Census)			2012 (Projections)			2015 (Projections)			2017 (Projections)		
	M	F	T	M	F	T	M	F	T	M	F	T
35-39	25,942	28,755	54,697	26,255	29,102	55,357	26,572	29,453	56,026	26,786	29,690	56,476
40-44	20,525	23,835	44,360	20,773	24,123	44,896	21,024	24,414	45,438	21,192	24,610	45,802
45-49	19,241	23,156	42,397	19,473	23,436	42,909	19,708	23,718	43,427	19,867	23,909	43,776
50-54	14,347	17,083	31,430	14,520	17,289	31,809	14,695	17,498	32,193	14,814	17,638	32,452
55-59	13,170	15,057	28,227	13,329	15,239	28,568	13,490	15,423	28,913	13,598	15,547	29,145
60-64	12,691	13,432	26,123	12,844	13,594	26,438	12,999	13,758	26,758	13,104	13,869	26,972
65-69	8,769	11,039	19,808	8,875	11,172	20,047	8,982	11,307	20,289	9,054	11,398	20,452
70-74	6,853	8,602	15,455	6,936	8,706	15,642	7,019	8,811	15,830	7,076	8,882	15,958
75-79	4,707	6,069	10,776	4,764	6,142	10,906	4,821	6,216	11,038	4,860	6,266	11,126
80+	6,873	11,693	18,566	6,956	11,834	18,790	7,040	11,977	19,017	7,096	12,073	19,170
Total	451,751	484,477	936,228	457,205	490,326	947,530	462,724	496,245	958,969	466,441	500,231	966,672

Source: County Development Planning Office-Murang'a County (2012)

From Table 4 above male population is more than female population for age groups 0 - 9 years and 15 – 24 years. However in all other age cohorts, females are more than males. This trend can be attributed to emigration of male to neighbouring urban areas in search of economic opportunities.

Table 5 below shows the population projections for special age groups in Murang'a County for the period 2012 to 2017.

Table 4: Population Projections for Selected Age Groups

Age Groups	2009 (Census)			2012 (Projection)			2015 (Projection)			2017 (Projection)		
	M	F	T	M	F	T	M	F	T	M	F	T
Under1	21,9 18	21,5 24	43,44 2	22,18 3	21,78 4	43,96 6	22,45 0	22,04 7	44,49 7	22,63 1	22,22 4	44,85 5
Under 5	70,3 51	68,5 73	138,9 24	71,20 0	69,40 1	140,6 01	72,06 0	70,23 9	142,2 99	72,63 9	70,80 3	143,4 41
Primary School Age 6-13	96,4 41	94,7 06	191,1 47	97,60 5	95,84 9	193,4 55	98,78 4	97,00 6	195,7 90	99,57 7	97,78 6	197,3 63
Secondary School Age 14-17	42,8 13	42,0 91	84,90 4	43,33 0	42,59 9	85,92 9	43,85 3	43,11 3	86,96 6	44,20 5	43,46 0	87,66 5
Youth Population 15-29	117, 557	119, 762	237,3 19	118,9 76	121,2 08	240,1 84	120,4 12	122,6 71	243,0 84	121,3 80	123,6 56	245,0 36
Reproductive Age – female 15-49	-	228, 022	228,0 22	-	230,7 75	230,7 75	-	233,5 61	233,5 61	-	235,4 37	235,4 37
15-64(Labor Force)	247, 791	273, 594	521,3 85	250,7 82	276,8 97	527,6 79	253,8 10	280,2 40	534,0 50	255,8 49	282,4 91	538,3 39
65+	27,0 02	35,9 97	62,99 9	27,32 8	36,43 2	63,76 0	27,65 8	36,87 1	64,52 9	27,88 0	37,16 8	65,04 8

Source: County Development Planning Office-Murang'a County (2012)

Below is an analysis of the special age groups population as depicted in Table 5 above.

Under 1 Year (infants): This age group had 43,966 persons in 2012 constituting a 4.6 per cent of the total population. It is estimated to rise to 44,855 persons in 2017. There are more male infants than female indicating a different pattern in the male: female ratio compared to the total population. This may also affect the focus areas in planning for resources to support this age group. These include provision of post natal care services including immunisation programmes and pre-school facilities and services.

The Under Five Years: This age group which includes the pre-school going children was estimated to be 140,601 persons in 2012 and are projected to rise to 143,441 persons in 2017. It is important to note that the male population is also more than the female in this age group. This population will require more investment in pre-school education such as expansion of pre-school facilities and employment of ECD teachers. Also the health demand is expected to increase since the children under five years require more of health care services than the other groups.

Age group 6-13 years (Primary): The primary school going age was 193,455 persons in 2012, constituting a 20.3 per cent of the total population. The figure was expected to rise to 197,363 persons in 2017. There are more girls than boys in this age group and therefore the demand for girls' schools is likely to increase.

Age Group 14-17 years (Secondary): The secondary school going age was 85,929 persons in 2012, a 10.1 per cent of the total population. They are estimated to be 87,665 persons in 2017. This increase of the secondary school going age population will necessitate investment in the existing and new secondary educational facilities and increasing the teaching staff.

Age group 15-29 years (Youthful): The youthful population in the county was 240,184 persons in 2012, constituting a 24.9 per cent of the total population. This age group is estimated to have 245,036 persons in 2017. This implies that there is need to establish youth polytechnics to cater for the proportion that will not qualify for secondary and tertiary education. There will be also need to create employment and other income generating opportunities for this age group.

Age group 15-49 years (Female reproductive age): This age group represents the productive/child bearing age group and is instrumental in determining the total fertility rate and the population growth rate of the county. In 2012, there were 230,775 persons in this age group, constituting a 24.2 per cent of the total population. It is estimated to have 235,437 persons in 2017. Measures should therefore be taken to provide adequate reproductive health services to meet the rising needs of the female reproductive age group.

Age group 15-64 years (labour force): This population accounted for 527,679 persons in 2012, comprising 55.3 per cent of the total population. It is estimated to be 538,339 persons in 2017. The biggest challenge for this age group is to create adequate gainful employment opportunities to enable them contribute meaningfully to economic and social development. Further, it calls for diversification of the economy from agriculture to other sectors by setting up of cottage industries and encouraging growth of the *Jua Kali* Sector. More government resources are being channelled to this age group including Youth Enterprises Funds and

women enterprises funds to enable them to create more employment opportunities for the youth and women.

Urban population

Table 6 below shows the population projections by urban and town centres.

Table 5: Population Projections by Urban Centres

Urban centres	2009 census			2012 (Projections)			2015 (Projections)			2017 (Projections)		
	M	F	T	M	F	T	M	F	T	M	F	T
Murang'a Town	14,069	14,706	28,775	14239	14884	29122	14411	15063	29474	14526	15184	29711
Maragwa Town	12,878	13,496	26,374	13033	13659	26692	13191	13824	27015	13297	13935	27232
Makuyu/Kenol Town	21,701	22,306	44,007	21963	22575	44538	22228	22848	45076	22407	23031	45438
Kiriaini Urban Centre	1,118	1,339	2,457	1131	1355	2487	1145	1372	2517	1154	1383	2537
Kabati Urban Centre	1,529	1,599	3,128	1547	1618	3166	1566	1638	3204	1579	1651	3230
Kangari Urban Centre	1,395	1,415	2,810	1412	1432	2844	1429	1449	2878	1440	1461	2901
Total	52,690	54,861	107,551	53326	55523	108849	53970	56194	110163	54403	56645	111048

Source: County Development Planning Office, Murang'a, 2012

The total population of people living in urban centres is projected to be 108,849 in 2012. Makuyu/ Kenol town has the largest population with 44,538 people followed by Murang'a town with a population of 29,122 people. On urban centres, Kabati has the highest population of 3,166 people followed by Kangari with 2,844 people. Kiriaini has the least population with 2,487 people.

1.4.2 Population Density and Distribution

Table 7 gives the population distribution and density for the constituencies in Murang'a County.

Table 6: Population Distribution and Density by Constituency/ Sub-county

Constituency	2009 (Census)		2012 (Projections)		2015 (Projections)		2017 (Projections)	
	Population	Density (Km ²)	Population	Density (Km ²)	Population	Density (Km ²)	Population	Density (Km ²)
Kiharu	181,076	441	183,262	447	185,474	453	186,964	456
Kangema	76,988	443	77,917	449	78,858	454	79,491	458
Mathioya	88,219	251	89,284	254	90,362	257	91,088	259
Kandara	156,663	664	158,554	672	160,468	680	161,757	686
Kigumo	123,766	511	125,260	517	126,772	524	127,791	528
Gatanga	163,597	273	165,572	276	167,571	280	168,917	282
Maragwa	152,272	278	154,110	282	155,971	285	157,224	287
Total	942,581	368	953,960	373	965,477	377	973,231	380

Source: County Development Planning Office-Murang'a County (2012)

From Table 7, the county had a projected population of 953,960 people in 2012. This population is distributed as follows: Kiharu constituency has the highest population of 183,262 people, constituting 19.21 per cent of the total county population followed by Gatanga constituency with a population of 165,572 constituting 17.36 per cent of the total population. Kandara Constituency is the third most populous with 158,554 people. This is 16.62 per cent of the total county population. The fourth most populous constituency is Maragwa with 154,110 people which is 16.15 per cent of the total county population. The least populated constituency is Kangema with a population of 77,917 people which is 8.12 per cent of the total county population. This is followed by Mathioya constituency with 89,284 people which is 9.36 per cent of the total county population. Kigumo constituency has a population of 125,260 which represents 13.13 per cent of the total population.

Kandara constituency has the highest population density of 672 persons per Km² followed by Kigumo constituency with 517 persons per Km². The third highest is Kangema with a population density of 449 persons/ Km², which is followed by Kiharu constituency with 447 persons/ Km². Mathioya constituency has the lowest population density of 254 persons per Km², followed by Gatanga constituency with 276 persons/ Km². Maragwa constituency is the third least with a population density of 282 persons/ Km².

Table 8 below shows the population projections by Constituency

Table 7: Population Projections by Constituency/Sub-County

Constituency	2009 (Census)			2012 (Projections)			2015 (Projections)			2017 (Projections)		
	M	F	T	M	F	T	M	F	T	M	F	T
Kiharu	87,490	93,586	181,076	88,546	94,716	183,262	89,615	95,859	185,474	90,335	96,629	186,964
Kangema	36,906	40,082	76,988	37,352	40,566	77,917	37,802	41,056	78,858	38,106	41,385	79,491
Mathiyoa	42,126	46,093	88,219	42,635	46,649	89,284	43,149	47,213	90,362	43,496	47,592	91,088
Kandara	75,836	80,827	156,663	76,752	81,803	158,554	77,678	82,790	160,468	78,302	83,455	161,757
Kigumo	59,807	63,959	123,766	60,529	64,731	125,260	61,260	65,513	126,772	61,752	66,039	127,791
Gatanga	80,987	82,610	163,597	81,965	83,607	165,572	82,954	84,617	167,571	83,620	85,296	168,917
Maragwa	74,712	77,560	152,272	75,614	78,496	154,110	76,527	79,444	155,971	77,141	80,082	157,224
TOTAL	457,864	484,717	942,581	463,391	490,569	953,960	468,986	496,491	965,477	472,753	500,479	973,231

Source: County Development Planning office, Murang'a 2012

The constituency with the highest population is Kiharu with 183,262 people followed by Gatanga with a population of 165,572 people. Kangema has the least population with 77,917 people. This could be attributed to the vastness of the constituencies, agricultural potentiality, nearness to basic social and administrative services and employment opportunities in various sectors. The small population size in Kangema constituency could be attributed to the small size of the constituency and emigration of people to other counties in search of employment opportunities.

1.5. Human Development Indicators

Gender Development Index: The County gender development index stands at 0.5357 compared to the national indicator which is 0.4924. This is attributed to empowerment of the girl child and promotion of women rights in the county.

Youth Development Index: The county youth development index is 0.6517 compared to the national indicator of 0.5817. This shows that the county is performing better in terms of youth development. This could be attributed to high literacy levels and proximity to urban and major towns where there are ample opportunities for the youth.

Human Development Index: The county human development index is 0.624 and the national one is 0.561. This implies that the county is performing better in terms of human development. This is attributed to people's positive attitude towards hard work and wealth creation.

Life Expectancy: The life expectancy in Murang'a county stands at 63.4 years, where 67.2 years is for females and 59.65 years is for male. This implies that females live longer than males in the county. At the national level, the live expectancy stands at 56.6 years. This shows that the live expectancy in Murang'a County is higher than the national level.

Literacy Rate: The national literacy rate stands at 71.4 per cent where as that of Murang'a County is 70.1per cent. This implies that the literacy rate at the county is lower than the national one. In the county, the literacy level for male is 73.9per cent while for the female is 66.7per cent. This shows that literacy rate for male is higher than female.

School Enrolment Rate: At the national level, the net Primary school enrolment rate stands at 92.9 per cent whereas the county net Primary school enrolment rate stands at 93.85 per cent. This shows that the net Primary school enrolment at the county level is higher than at the national level. Again, at the county, net set secondary school enrolment rate is 67.2 per cent for both boys and girls.

The county gross enrolment rate in primary schools stands at 97.75 per cent while the gross enrolment rate in secondary schools is 71.04 per cent. At the same time, the county transition rate from primary to secondary school is 70.6 per cent. Additionally the primary school completion rate in the county is 97.13 per cent. This implies that 26.53 points of the primary school pupils who complete primary education do not proceed to second school education. This could be attributed to inadequate day secondary schools to cater for those who qualify to join secondary schools but they cannot afford.

Purchasing Power Parity (PPP): The national PPP stands at 1,436 USD compared to the 1,455.5USD at the county level. This implies that the county is better off compared to the national PPP. This means that an average household size of four is able to spend at least 121USD per month. This shows that on average an individual in the county spends 1 USD per day. While this means that people in the county are living along the poverty line, but in reality 36.3 per cent of the county population lives in absolute poverty.

1.6 Infrastructure and Access

1.6.1 Road, Rail Network, Airports and Airstrips

Physical infrastructure is a basic foundation for national transformation as articulated in the national economic blueprint – Kenya Vision 2030. In 2013, Murang'a County had 2,934.95 Km of road. Of these, 387.5 Km are bituminized, 1313.1 Km are gravelled and 1234.3 Km is earth surface. The county has 65Km of railway line which is underutilised. There is no established air strip in the county; however plans are underway to construct an airstrip at Kambirwa in Kiharu constituency.

Figure 3: Rehabilitation of Mukuyu-Githambo-Kiruri Road



Source: County Development Planning Office, Murang'a- 2013.

1.6.2 Posts and Telecommunications

The county has 800 landline telephone connections provided by Telkom Kenya. It has high mobile network coverage of 97 per cent of the area with the service providers being Safaricom, Airtel Kenya, Orange, and Essar Yu. There are six post offices, three sub-post offices and four courier services operating in the county.

1.6.3 Financial Institutions

There are seven commercial banks in the county (Barclays, Kenya Commercial Bank, Cooperative Bank, Equity Bank, Post Bank, Consolidated Bank and Family Bank), four Micro-finance institutions (SMEP DTM, Faulu Kenya, Kenya Women Finance Trust and ECLOF) and four insurance companies (Britam, Invesco, APA, Kenya Orient and other small agencies). These institutions play a key role in the economic development through provision of financial services to the farmers, business people and the public in general. Apart from providing credit facilities, the financial institutions also advise the local people on the best businesses to venture into in order to get maximum returns. The government uses the financial institutions to channel funds to the vulnerable members of the population such as the social protection fund. The Youth Enterprise Development Fund and Women Development Fund are also channelled to them through financial institutions.

Figure 4: Financial Institutions in the



Source: County Development Planning Office. Murang'a- 2013

1.6.4 Education Institutions

The education sector promotes literacy and provides quality education for the residents of the county. On the other hand, adult education helps in the promotion of adult learning county-wide. The county has 989 pre-schools, 616 primary schools, 263 secondary schools, 48 youth polytechnics, one technical institute (Michuki Technical Institute), two colleges (Murang'a Teachers Training college and Kenya Medical Training College) and one University (Murang'a University College). The quality of education and the facilities provided will be improved to ensure that they produce the kind of human resource that will enable the county accomplish its development aspirations. Efforts will be made to create child friendly schools for quality education since this will guarantee access and improve on retention and completion. In total, 98.3per cent of the secondary schools are connected with electricity but connectivity for the primary schools is lower while 70per cent of the community lives between 1.1Km and 4.9 Km to the nearest primary school.

There is need to standardize the sanitation facilities of the schools by providing flush toilets. There is also need to provide water to all schools which are not yet supplied with water since this county is well endowed with water resources.

1.6.5 Energy Access

The energy subsector promotes environmental friendly, sustainable and renewable sources of energy. There are 33,861households out of 255,696 households with electricity connections. A negligible number, less than 1per cent of households use solar energy. Much needs to be done to expand rural electrification programme to increase the proportion of households with access to electricity. Other main sources of energy commonly used in the county are fire wood, paraffin, charcoal, LPG gas and solar. Emphasis needs to be put on reforestation to replace the trees that are felled in search of wood fuel which is the main cooking fuel in the county in addition to exploring other alternatives of fuel such as biogas.

Figure 5: Githambo Power Sub- Station



Source: County Development Planning Office, Murang'a-2013

1.6.6 Markets and Urban Centres

There are a total of 513 market centres in the county out of which three are classified as towns (Murang'a, Maragwa and Makuyu towns). The number of urban centres in the county are three (Kabati, Kangari and Kiriaini). There are 18,963 registered traders, both retail and wholesale. The wholesalers mostly deal with consumer and hardware products while retail traders, who are in both rural and urban areas, deal mainly with food products.

The trade sub-sector assists in the strengthening of the county joint loans board, promotes training of traders as well as consumer protection through frequent impromptu inspection of traders. The industry subsector is involved with promotion of local investments, identification and development of new enterprises, as well as collection, analysis and dissemination of industrial information. Coffee and tea processing are the main industrial activities in the county while milk cooling plants are also coming.

1.6.7 Housing

In Murang'a County, about 40 per cent of the households live in stone/brick walled houses, 24.3 per cent in mud/wood walled houses while 2.19 per cent live in grass straw/tin walled houses. Most housing units in the county are roofed with corrugated iron sheets (94.38 per cent), while *makuti* and grass roof constitute 0.18 per cent of the households. Most of these housing units have earth floor (60.04 per cent), followed by cement floor at 38.85 per cent. The county has 1,924 Low Grade, 232 Middle Grade, and 184 High Grade government housing units which are not adequate for the government officers deployed in the county.

1.7 Land and Land Use

1.7.1 Mean Holding Size

The county has a total area of 2,558.9Km² of which 11.2Km² is water mass. The arable land is, 2,135 Km² while non-arable land is 163.3 Km². The gazetted forest covers an area of 254.4 Km² is Gazetted forest land while approximately 20 Km² is urban area. The average farm size under large scale holdings is 16 acres. Total acreage under food crop farming is 329,234 acres while that under cash crop farming is 177,636 acres. The land under soil conservation is

33,254 acres; under farm forestry is 270,879 while area under organic farming is 385,364.5 acres.

The main land use activities in the county are: cash crop farming, subsistence farming, livestock keeping, fish farming, housing and forestry.

1.7.2 Per centage of Land with Title Deeds

Murang'a County is predominantly agricultural and, therefore, land holding is considered important. It is estimated that 64.9 per cent of farmers have title deeds while 35.1 per cent do not have title deeds.

1.7.3 Incidence of Landlessness

Majority of the county population own land. Incidence of landlessness is approximately 0.2 per cent. This is as a result of concerted efforts by the government to resettle the landless at Maranjau area in Kambiti Location of Maragwa constituency.

1.8 Community Organizations/Non-State Actors

Majority of the county's population is organized into community self-help groups, and both producer and marketing cooperative societies. There are a number of other non-state actors operating in the county including local and international Non-Governmental Organizations whose objective is to improve the socio-economic well-being of the local people.

1.8.1 Cooperative Societies

The County has 155 registered co-operatives societies of which 120 are active and 35 are dormant. These have a total membership of 332,420 and annual turnover of over Kshs.599 million.

1.8.2. Non-Governmental Organizations

There are 10 active NGOs' operating in the county. Their activities are pegged on the improvement of social and economic wellbeing of the entire population of the county. The key NGOs operating in the county include: Vihda association, G.I.Z, Africa now and YARD, among others.

1.8.3. Self Help, Women & Youth Groups

The county has 1,832 registered self-help groups of which 676 are youth groups and 1,156 are women groups. These groups operate with a view to pooling their resources to uplift the economic and social welfare of the members.

1.9 Crop, Livestock and Fish Production

1.9.1 Main Crops Produced

The major cash crops in the County include tea, coffee, avocado, mangoes, macadamia and horticulture crops, among others. Horticultural crops include tomatoes, cabbages, kales, spinach and French beans while food crops include maize, beans, bananas, sweet potatoes and cassava.

1.9.2. Acreage under Food Crops and Cash Crops

The acreage under food crops and cash crops are 329,234 and 177,636 respectively. The acreage under food crop is almost twice that of cash crop. Food crop farming is practiced in all parts of the county but cash crop farming is practiced in upper zones and in some lower zones of the county.

Figure 6: Banana Growing in Maragwa



Source: County Development Planning Office, Murang'a- 2013

1.9.3. Average Farm Sizes

The average farm size for most of the county's households is 1.4 acres. As a result of this, farmers are not able to produce large quantities of crops to warrant large storage facilities at household level. Nevertheless, the average large scale farm size is 16 acres which are commonly found in the lower parts of the county and in tea, coffee, pineapples, mango and flower estates.

Figure 7: Fruits Growing in the County



*Source: County Development Planning Office,
Murang'a- 2013*

1.9.4. Main Storage Facilities

The storage facilities range from granaries to grain stores and milk coolers. Grain stores are found in NCPB outlets in Maragwa town. Milk coolers are found in milk collection centres in Kigumo, Kangema and Maragwa. Granaries are found at household level due to small quantities of produce. Tea leaves and coffee berries are stored in their respective factories.

1.9.5. Main Livestock Bred

The main livestock bred in the county are cattle, pigs, goat, sheep, rabbits and chicken. Exotic cattle breeds are found in the upper parts of the county while indigenous cattle breeds are found in the lower parts of the county. Dairy and indigenous goats are spread all over the county but they thrive well in the lower parts. Pigs are of different varieties and reared all over the county due to readily available market offered by Farmers' Choice. Rabbits and chicken are reared in response to demand for white meat.

1.9.6. Number of Ranches

The County has one company ranch owned by Kakuzi Limited of approximately 213 Acres. This is a private company listed in the Nairobi Stock Exchange.

1.9.7. Main Fishing Activities

There are no large water masses in the county and therefore fishing is practised in the farms. By 2013, there were 2,380 households practising fish farming with 2,520 fish ponds covering an area of 714,000 m². The main fish species reared are Tilapia and Cat fish.

1.10 Forestry and Agro Forestry

1.10.1 Main Forest Types and Sizes

The county has five indigenous gazetted forests covering a total area of 254.4 Km². They are: *Gatare*, *Karua*, *Kimakia*, *Kiambicho* and *Wanjerere* forests. These forests are divided into two zones; the tropical *montane* forest zone located along the Aberdare ranges and the semi-arid forest zone located in the lower parts of the county. However, there are 204,557 farm forests which are privately owned plantations.

1.10.2 Main Forest Products

The main forest product in the county include: timber (approximated at over 64 million running feet), firewood (over 500,000 stacks) and seedling production of over 63 million. Other minor forest products include grass, bamboo sticks, medicinal herbs, honey and charcoal. The forests are also the major sources of various rivers namely Maragwa, Mathioya North, Mathioya South, Kiama and Thika rivers.

1.10.3 Promotion of Agro forestry and Green Economy

Agro forestry involves tree farming with crops and/or pasture. This entails the planting of trees that do not compete with crops. Green economy involves the production of energy from renewable sources such as bio fuel, solar, wind and biogas. The county has 270,879 acres under farm forestry in 204,557 farms. There are 282,774 people involved in farm forestry with an average of 40 trees per farm.

- a) Income generating activities: Forestry related income generating activities in the county range from tree nursery management activities to sale of forest products. The main types of forest products in the county are timber estimated at 63,994,066 running feet, firewood estimated at 531,025 stacks and production of seedlings estimated at 63,500,000 annually.
- b) Protection of water catchment: Water catchment areas protection activities have been on-going especially in the Aberdares forest. The activities included rehabilitation of degraded sites and catchment areas, river banks stabilization and planting of water friendly trees.
- c) Prevention of soil erosion: Tree planting in farms has helped in preventing soil erosion. Trees hold the soils firmly on the ground and act as wind breakers and increase soil fertility through litter fall from leaves which later form humus. The soil conservation structures namely; Retention ditches, grass strips, trash lines and *fanya juu* are also practiced across the county.
- d) Provision of wood fuel and generation of energy for industries: Tree planting by farmers has been enhanced with the involvement of tea processing industries in establishing tree nurseries and supplying tree seedlings to farmers for planting. These industries buy mature trees from farmers who earn incomes while the industries get a source of wood fuel for their production.
- e) Improved soil fertility by growing fertiliser trees: The departments of Agriculture and forestry have enhanced soil fertility improvement in the county by encouraging farmers to plant nitrogen fixing species of trees such as *Acacias*, *Albizzia spp*, *Lencena spp*, *Sesbania spp* and *Calliandra spp* in order to improve soil fertility through fixing nitrogen in the soil.
- f) Growing of fruit trees for improved nutrition: Farmers have also been planting fruit trees like Avocadoes, Mangoes, Pawpaws, Macadamia and Oranges for commercial and for nutrition purposes. There are Mango and Avocado processing factories in the county. Tea, coffee and Macadamia nuts are also grown on commercial purpose.
- g) Provision of carbon sinks: The carbon trade is an agreement made between a buyer and a seller of carbon credits. Those who reduce emissions or sequester carbon receive payments and those who have to decrease emissions can buy carbon credits to offset their emissions. Carbon offsetting means to compensate emissions which cannot be avoided by paying someone else to save – sequester - GHGs. The prices which are received for one ton of CO₂ vary a lot and depend on the type of market and the type of carbon offset project. The County has not benefitted from the carbon sink programmes or projects for carbon trading. Trees grown on gazetted and un-gazetted land take-up carbon dioxide and produce oxygen in the process of making wood, it is therefore expected that carbon trading projects will be initiated in the county so as to tap this untapped potential.
- h) Beautification activities: Beautification activities in towns, highways, schools and public places have been on-going across the county. Tree planting along highways/streets and in school compounds has been taken up as a programme by the Kenya Forest Service and various groups and individuals. Growing of trees around homesteads is an adopted practice in the county for beauty, shelter and fuel. Each calendar year, over 200,000 seedlings are planted along roads, urban centres and schools and public places
- i) Animal feeds production ventures: Planting of fodder crops across the slopes have also been encouraged as soil conservation method and helps retain soil fertility in

sloppy areas. Planting of fodder crops such as Napier grass, *Leucaena spp* and *Cordia abyssinica spp* have also boosted animal feed production by the department of livestock production.

- j) Growing and processing of tree and crops for medicinal purposes: Medicinal crops like *Amaranth* and trees like *Prunus spp*, *Moringa oleifera spp* and *Warbugia spp* have also been grown especially in areas of Kangema, Kiharu and Maragwa. Local herbalists purchase the raw plant parts for processing and sale within and outside the county.

1.11 Environment and Climate Change

Climate change refers to the significant variation of expected average weather conditions of a given location as observed over a period of at least 30 years. The climate of an area is defined by the interactions of various factors including uneven distribution of solar heating, specific responses of the atmosphere, oceans and land surface. Therefore, climate is paramount in contributing to socio-economic development and determining the availability and distribution of resources like water, wildlife and forests.

1.11.1 Major Contributors to Environmental Degradation in the County

The main environmental pollutants in the county are identified as agrochemicals from agricultural activities and factories, vehicle exhausts, quarrying activities and emissions of Green House Gases (GHGs) into the atmosphere through natural causes and human induced activities and solid wastes from markets and towns. The GHGs disrupt atmospheric balance and global warming therefore heating the earth surface.

Solid wastes include: plastic, polythene papers, glass, human waste, animal waste, organic plant matter, synthetic material, rubber and medical waste. Dumping and management of solid waste to the environment remains a major challenge for the County. Human waste disposal is a challenge in the county as it is only Murang'a Town which is served by a sewerage treatment plant. Makuyu, Maragwa, Kangari and Kangema Towns as well as Kiria-ini, Kahatia, Kandara, Kenol and Kigumo Markets are in dire need of solid waste management facilities.

1.11.2 Effects of Environmental Degradation

Environmental degradation is the reduction or loss of the biological, ecological and economic productivity of the environment or ecosystem. The effects of environmental degradation are being experienced at county level as a result of over exploitation of forests and unsustainable extraction of non-renewable resources. Indiscriminate felling of trees in gazetted and non-gazetted forests has led to destruction of water catchment areas and consequently reducing river recharge base.

Figure 8: Land Degradation in the County as a Result of Quarrying



Source: County Development Planning Office, Murang'a- 2013

1.11.3 Climate Change and its Effects in the County

Climate Change has caused negative socio-economic consequences across most sectors with the most vulnerable being environment, agriculture, livestock, forestry, water, health, energy, fisheries as well as physical and social infrastructure. Climate change is a reality in Murang'a County and has led to prolonged dry spells and drying of river beds in the lower parts of Kiharu and Maragwa constituencies.

Some of the adverse effects of climate change experienced at Murang'a County include: Variation in weather patterns with reduced rainfall and failed crop seasons; Frequent and prolonged droughts and diminishing water resources: Floods/flash floods and landslides: Environmental degradation and habitat destruction; Water bodies have been rescinding due to reduced inflow following the massive destruction of catchment areas: Resurgence of weeds, diseases and pests that are destructive to both human and livestock wellbeing: Loss of biodiversity especially where the ecosystems is fragile. Climate Change has also affected species distribution as an adaptive response. The African elephant (*Loxodonta africana*) found at Aberdares is threatened due to destruction of its habitat and breeding grounds in the forest: Severe famine and hunger causing food insecurity especially in the ASALs regions like Kambiti, Maragwa Ridge. This is exacerbated by over dependence on rain-fed agriculture and rural poverty; Resource use conflicts. Wildlife has been forced to stray from protected areas to farms in search of water and forage thus enhancing human/wildlife conflicts. E.g. at Kaseve hills in Murang'a South there is conflict between the locals and monkeys.

1.11.4 Climate Change Mitigation Measures and Adaptation Strategies

Murang'a County needs to make the necessary and deliberate adjustments to prepare mitigation measures to cope with effects of climate change. Most of the disasters in the county are experienced as a result of extreme weather events due to climate change.

Adaptation comprises all actions aimed at enhancing the coping mechanisms to climate change which cannot be abated or mitigated thus reducing the magnitude of negative effects. These include prevention, tolerance, resilient, change of land use practices, relocation or initiating restoration of degraded environments. There are also damages to infrastructure such as roads, water supply pipes and housings roofing.

Mitigation measures aim at reducing negative impacts occasioned by loss of human life, death of animals, and destruction of infrastructure among others. This is attained through the application of modern and appropriate farming technologies, alternative approaches to mitigate effects, available opportunities and strategies to mitigate climate change. Coping mechanisms to climate change are sector specific allowing relevant and applicable interventions to be formulated and implemented.

Forest cover ensures that carbon sink and sequestration while at same time firming up soil thus preventing soil erosion. Tree planting will be encouraged as a way of enhancing forest cover and reducing environmental degradation. The water 'Supply-side' adaptive techniques involve changing structures, operating rules and institutional arrangements. The water 'Demand-side' adaptive techniques involve water demand management e.g. efficient irrigation, water pricing, and emphasis on conservation, awareness raising campaigns, policies and regulations to encourage efficient use of water. The mitigation and adaptation measures for agriculture include: Diversification of crops to help cope with shifting rainfall patterns, using drought resistance/tolerant crops and promotion of good agricultural practices.

Mitigation and adaptation measures in health sector include: Strengthening the public health institutions to cope with increased occurrence of climate change related diseases e.g. malaria, cholera among others; and Intensifying public health campaigns and public participation on climate change related diseases. The transport mitigation and adaptation measures include: Good maintenance of road network to ensure high efficiency of vehicles and less emissions of GHGs and Enforcement of air quality regulations and standards

The county heavily relies on hydro generated energy which results in frequent power outages and blackouts during the dry spells. Mitigation and adaptation measures may include: diversification of to use of solar energy, wind energy, bio gas and promotion of wood energy efficiency and conservation through using improved stoves at household levels.

1.12 Mining

1.12.1 On-going Activities

The county does not have mining activities except quarrying which is practised in some parts. Quarrying activities include: sand harvesting, excavation of building blocks and ballast and extraction of clay soil for brick making and pottery. It is estimated that 42,900 tonnes of sand are harvested annually. The harvested ballast is estimated at 22,016 tonnes and hard core at 189,770 tonnes annually with 6,971 people involved.

1.12.2 Mining Potential

There are no known potential mineral deposits in Murang'a County. Researchers are however encouraged to continue exploration works in various parts of the county to ascertain if the county has any mineral potential.

1.13 Tourism

1.13.1 Main Tourist Attractions, National Parks/Reserves

The main tourist attraction sites in the county are the *Aberdares* National Park and cultural heritage sites that have a rich history on the origins of the *Agikuyu* people. Such sites are at *Mukurwe wa Nyagathanga* and *Karia Ka Mbari ya Ngware*. Moreover, there are also ideal natural sites for hiking and camping at Rapid Camp, *Aberdare* cottages and sport and leisure fishing sites at *Kimakia* fishing grounds and *Ndakaini* Dam.

Figure 9: A Tourist Attraction Site in the County



Source: County Development Planning Office, Murang'a- 2013

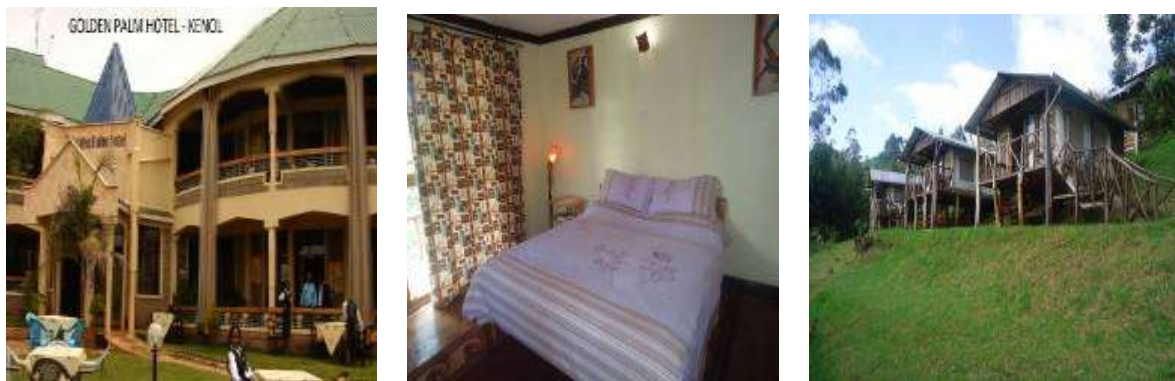
1.13.2 Main Wildlife

The main wildlife in the county are elephants which are the major source of human-wildlife conflicts especially in Mathioya and Kigumo constituencies. This is due to the constituencies' proximity to the *Aberdare* forest which forms the wildlife habitat. Other wildlife in the county is Columbus monkeys and their related species.

1.13.3 Tourist Class Hotels/Restaurants, Bed Occupancy

Due to the untapped tourism potential in the county, there are no tourist class hotels or restaurants. This is because the available tourism packages are often irregular and the tourists usually visit the county during the day and then go to reside in hotels outside the county. However, there are a number of other unclassified hotels and restaurants in the county (e.g. Hotel *Nokras*, Fortune Green and Golden Palm hotel).

Figure 10: Tourist Hotels in the County



Source: County Development Planning Office, Murang'a- 2013

1.14 Industries

Murang'a County does not have big manufacturing industries. However there are several agro-processing factories as shown in the table 9 below:

Table 8: Industries/ Factories in Murang'a County by type and Sub County

Sub- Counties	Industry/ factory by Type						
	Tea	Coffee	Milk	Fruits	Nuts	Animal Feeds	Cottages
Kangema	1	15	2	0	0	0	
Mathioya	2	16					
Murang'a East	3	6			1		
Murang'a South	0	8		1	1	3	5
Gatanga	2	21	0	2	1	0	1
Kandara	1	34	1				
Kigumo	3	38					
Kahuro	1	23					
Total	13	161	3	3	3	3	6

Source: County Development Planning Office, Murang'a- 2013

As per the table 9, most of the industries are agro based industries with coffee being the leading followed by tea factories. Most of the factories produce semi- finished products which are exported to other counties and internationally as raw materials and therefore do not fetch optimum prices. Therefore there is need for the factories to refine and package the end products so that there is optimum returns and creation of more employment opportunities in the county. Only a few factories like Del Monte and Farm Nut produce finished products and hence are the largest employers compared to the others. The county has potential for more industries like those mentioned above, especially mangoes, bananas and milk processing factories. The other potential areas are in pottery, where clay soil is exported to other counties instead of making finished product of clay for export.

1.15 Employment and Other Sources of Income

The agricultural sector accounts for 57 per cent of the labour force in the county. The sector however faces numerous challenges from increasing population and sub-division of land to uneconomical sizes. The potential of this sector to absorb more labour force is expected to decline and it is therefore important that diversification of sources of income and value addition of agricultural produce through processing is promoted and encouraged.

1.15.1 Wage Earners

Wage earners in the county are mainly employed on casual basis either temporarily or seasonally with no job guarantee or security. This group accounts for 18per cent (78,193 persons) of the total employment in the county.

1.15.2 Self Employed

The self-employed are categorized as rural self-employed who account for 34,752 people and urban self-employed who account for 73,849 persons in the county. The self-employment opportunities are expanding with the expansion of towns and market centres in the county due to rural urban migration.

1.15.3 Labour Force

The labour force accounts for 527,679 persons or 55.3 per cent of the total population of the county and is expected to increase to 538,339 persons by 2017. Those in employment account for 434,405 persons. The biggest challenge for this group is to create adequate and gainful employment opportunities. Processing of agricultural produce which accounts for a mere 3.6per cent of those in employment has great potential to form the core labour niche in the county.

1.15.4 Unemployment Levels

The rate of unemployment in the county is approximately 17.67 per cent or 93,241 persons. The county should therefore strive to reduce the unemployment rate by adopting policies and programmes that are labour intensive.

1.16. Water and Sanitation

1.16.1 Water Resources and Quality

Murang'a County's water resources are rivers, shallow wells, springs, dams, boreholes and roof catchment. There are 10 permanent rivers, 400 shallow wells, 75 springs, 30 dams and 100 bore holes that supply water for domestic and agricultural use in the county. All these sources supply 60 per cent of the county population with clean and safe drinking water.

1.16.2 Water Supply Schemes

The county has 27 water supply schemes and about 16 irrigation schemes. Water supply schemes are managed by three different entities. There are some which are managed by the water companies, the department of water and some others are managed by the community members through water project committee. The irrigation schemes, which are managed by the community members, got funding from community own initiatives as well as government and development partners' support.

1.16.3 Water Sources

In the county, the mean distance to the nearest water point is three Km with about 29.4per cent of the households taking five to 14 minutes. Water supply schemes such as the Gatanga community water schemes supply water directly to households at reasonable cost. The county will expand the capacity of water schemes to ensure a minimum of 40per cent of the households are directly supplied with water.

Figure 11: Maragwa River, a Major Source of Water in the County



Source: County Development Planning Office, Murang'a- 2013

1.16.4 Sanitation

In Murang'a County, about 99.78 per cent of the households use toilet facilities. Out of these, 4.97 per cent use flush toilets, 3.97 per cent use VIP latrines and the others use ordinary pit latrines. The majority of people living in the market and trading centres use ordinary pit latrines.

1.17. Health Access and Nutrition

1.17.1 Health Access

The County has 272 health facilities serving a population of 959,701. It has three level five hospitals, three mission/private hospitals and three nursing homes. There are 21 health

centres (public and private), 114 dispensaries (89 public and 25 mission/NGO) and 137 private clinics.

The County has 464 medical personnel working in government health facilities with 312 nurses, 23 doctors, 41 clinical officers, 50 public health officers and 38 laboratory technicians and technologists among others medical personnel and health facilities in the county are inadequate and there is need to improve the situation.

Figure 12: Kambirwa Health Centre (ESP Project)



Source: County Development Planning Office, Murang'a- 2013

1.17.2 Morbidity

In the county, the most prevalent diseases are: malaria/fever (50.5 per cent), flu (20.64 per cent) diarrhoea (11.45 per cent), respiratory tract infections (10.86 per cent) and stomach-ache (6.54 per cent). Morbidity situation in the county may change soon due to increasing number of motor cycle accidents. The health personnel have been spearheading campaigns to reduce the prevalence of the diseases especially for children less than five years.

1.17.3 Nutritional Status

In Murang'a County, five per cent of children under five years are stunted and wasted. But the medical personnel have been intensifying their effort to ensure that the figure comes down.

1.17.4 Immunization Coverage

The immunization coverage in the county stands at 92 per cent. Efforts are being made to ensure that all children are immunized against preventive diseases. The medical personnel have now changed the strategy of waiting for children to be brought to health, by moving from house to house to ensure that no child is left out.

1.17.5 Access to Family Planning Services

Murang'a County has high usage of family planning services especially in urban areas. It is approximated that 86 per cent of urban population has access to family planning services as compared to 33per cent of the rural population. The county should balance between population growth and economic activities since both have a bearing on the welfare of the residents.

1.18 Education and Literacy

Education is the key to human growth and development through the core functions of teaching and learning done in the county institutions. This makes the society more enlightened and therefore contributes to the overall development of human resources in the county.

This is one of the major sectors in the county since the growth and development experienced in other sectors relies on well educated people.

Figure 13: An Adult Class in Progress in Murang'a



Source: County Development Planning Office, Murang'a- 2013

1.18.1 Pre-school Education

The county has 1080 ECD centres with total enrolment of 31,944 pupils and 1,127 teachers. The teacher/pupil ratio is 1:28.

1.18.2 Primary Education

The county has 634 primary schools, 6,324 teachers, total enrolment of 214,986 and a transition rate of 70 per cent. The teacher/pupil ratio is 1:34. In this category there is a shortage of teachers which the county government will have to deal with in order to ensure that we attain the required ratio of 1:20. There is need to improve the transition rates in the county.

1.18.3 Literacy (Population Aged 15 Years and Above)

The county's literacy level stands at 70.1 per cent, where literacy level for male is 73.9 per cent and female is 66.7 per cent. This implies most of the county population can make informed decisions on matters affecting their socio-economic livelihoods.

1.18.4 Secondary Education

The county has 292 secondary schools, 3,206 teachers and a total enrolment of 84,874 students. This represents a gross enrolment of 71.04 per cent. In this category, the government has tried to attain a teacher /student ratio of 1:26. There is need to put more effort in ensuring that gross enrolment is raised to 90 per cent.

1.18.5 Tertiary Education

The county has one science and technology institute (Michuki Technical Training Institute), forty eight youth polytechnics, three accredited colleges and four non accredited colleges. All these are middle level institutions where the youth who don't get opportunities to join the universities go and get skills suitable for the labour market.

CHAPTER TWO:

2 County Development Analysis

2.0 Introduction

This chapter discusses at length the major development challenges facing the County. It further highlights cross cutting issues such as population growth, poverty, environment, HIV and AIDS, gender etc. A SWOT analysis of each cross cutting issues is also provided. Finally a detailed matrix giving an analysis of major development issues, their causes, objectives and the proposed strategies and targets are discussed.

2.2 Major Development Challenges

This section addresses the major medium term and short-term development challenges that the county has to address in order to achieve sustainable economic growth and poverty reduction through more effective management of the development resources. The development challenges that were identified during the Medium Term Plan II consultative meetings include: Poor physical infrastructure, low productivity in agricultural and livestock, inadequate marketing and storage facilities among others.

2.2.1 Poor Physical Infrastructure

Physical infrastructure is an enabler that facilitates the growth of other sectors. Provision and maintenance of existing physical infrastructure and providing a utility sector (water, sewerage and electricity) contribute to economic and social development of the county. This will assist in addressing the poor state of the county's infrastructure that has been caused by mismanagement, heavy rains and poorly developed terrain and valleys. The current state of infrastructure in the county is a major constraint to improved agriculture production and marketing and has contributed greatly to rising levels of poverty. The county has poor and inadequate road network which is sometimes impassable. Delivery of horticultural crops, milk and tea leaves to markets and factories are affected during the rainy season by poor road network. The energy supply is also inadequate. There is therefore need for enhancing infrastructural development and accelerating the speed of completion of infrastructure programmes and projects so as to ensure that they play a catalytic role in county's development. Once this is done, the county residents will greatly benefit in marketing of their produce and in starting agro-processing industries and other economic activities.

The Constituency Roads committees, Kenya Power and Lighting Company and the local authorities will be expected to give priority to increasing the efficiency and quality of the existing infrastructural facilities through routine maintenance and expansion of the existing physical infrastructure. In the energy sub-sector, wood fuel accounts for approximately 80 per cent of the County energy source while rural electricity accounts for only 13 per cent. Priority in the sub sector will therefore be on shifting the pattern of consumption towards the renewable

sources of energy such as hydro, solar and wind in order to enhance environmental protection. Rural electrification requires to be intensified to increase access of electricity as an alternative source of energy in the county.

2.2.2. Poor Marketing Systems

Poor agricultural marketing systems greatly contribute to the low incomes farmers receive for their produce in the county. Middlemen take advantage of the poor marketing channels to exploit farmers. Liberalization of the dairy sector in the 1990s resulted in many cooperative societies collapsing because the restructuring was done without due regard to capacity of the cooperative societies to compete in the open market. A number of cooperative societies have also undergone long periods of mismanagement. A number of farmers produce poultry and horticultural produce but lack proper and organized marketing. Deliberate efforts will be undertaken to organize farmers into effective marketing groups in order to minimize exploitation by middlemen and maximize on the gains from these ventures.

2.2.3. Low Productivity in Agriculture and Livestock

Over 80 per cent of the households in the county depend on agriculture and related activities. The main challenges are that agricultural land is limited and the supply of farm inputs is irregular particularly for non-cash crop growers who are not members of cooperative societies. Prices of the inputs are high and the distribution not well coordinated. Shortages of inputs lead to low productivity in maize, beans, Irish potatoes and cabbages. These being the main staple food crops in the county the socio-economic welfare of the populace are affected since there is always a shortage of these commodities.

Cattle fodder is in short supply due to inadequate rainfall and also because land is scarce. Manufactured feeds for cattle and poultry are too expensive for farmers and this affects the county economy.

2.2.4 Food Insecurity

Murang'a County is food insecure in terms of staple food and sometimes relies on relief food supplies especially in areas at the lower side of the county like Makuyu, Kambiti, Maragwa ridge, Muthithi, Gaichanjiru, Kakuzi, Ithanga and Githuuri Locations. Food insecurity is attributed to several factors that include: inadequate and unreliable rainfall, poor terrain, small parcels of land, poor soil fertility, poor coverage by extension services, and concentration in growing of cash crops such as coffee, tea, high prices of farm inputs and poor storage facilities.

To address the problem of food insecurity, efforts will be made to enhance extension support services, subsidize farm inputs and discourage further sub-division of land. Small horticulture irrigation projects will be initiated while extension services on food preservation, storage and marketing as well as animal production and health will be intensified. Community members will also be enlightened on the available wealth creation opportunities in the county.

2.2.5 Agriculture and Livestock Diseases and Pests

Murang'a County has been regularly affected by livestock and crop disease outbreaks. Livestock diseases are aggravated by movement of livestock from Isiolo and Marsabit counties to Machakos County. Diseases such as foot and mouth and anthrax have affected and led to

deaths of livestock and people in the county. The veterinary sub sector has been carrying out vaccination campaigns and community sensitization to address the problem. The common crop diseases and pests include coffee berry diseases, bollworm, army worms and cassava mosaic. The agriculture and livestock development subsectors have been carrying out extension services to advice farmers on preventive mechanisms and best crop practices. There are also private agro vets that have been sensitizing farmers as well as dispensing agrochemicals to them. Since Murang'a is predominantly an agricultural county, more efforts need to be directed towards addressing these challenges.

2.2.6 Ineffective Coordination of Projects/ Programmes

There is lack of integration in the implementation of most programmes and projects in the county. Currently most sector programmes are planned and implemented independently leading to uncoordinated project implementation and wastage of scarce resources. In addition, the devolved funds programmes fall under different acts of parliament - e.g. the CDF Act, the Local Government Act among others - making project implementation and coordination less efficient in achieving the stated objectives. There is need to ensure harmony in implementation of various projects and programmes. In the new constitutional dispensation, it is hoped that implementation of development programmes and projects at the county level will be streamlined.

2.3 Cross-cutting Issues

The cross-cutting issues in the county include: disaster management, environment conservation and management, gender, the youth, persons with disabilities and Climate change.

2.3.1 Gender

Gender disparities are minimal in primary and secondary education where enrolments are 50per cent for both boys and girls. Women have been discriminated against when it comes to access to ownership of property and finances.

Gender concerns have implications on economic growth and poverty reduction. During the formulation of both sector and sub-sector goals, gender concerns are integrated as there is proof to show that for 80 per cent of women constitute the agricultural workforce but only a small per centage of them hold title deeds to land. This imposes a great constraint on their ability to make major land-related investment decisions including obtaining credit using title deeds as collateral. Gender inequality in ownership and access to productive assets are addressed through the youth and women developments funds and new policy and affirmative action that requires 30per cent of employment positions in the county be reserved for women.

Strategies adopted in this county profile will ensure that both women and men are effectively integrated in the development process at all levels and adopt a gender responsive approach to planning and implementation of development activities. The process should engage more women as they constitute 51per cent of the county's population and they constitute the majority of labour force in the productive as well as the subsistence sectors of the economy.

Strengths	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> Availability of women 	<ul style="list-style-type: none"> Inadequate extension staff; Presence of 	<ul style="list-style-type: none"> Engaging adult literacy teachers as Social 	<ul style="list-style-type: none"> Duplication of projects as various

Strengths	Weaknesses	Opportunities	Threats
empowerment programmes e.g. Women Enterprise Fund, KWFT, <i>Maendeleo ya wanawake</i> groups; Adult literacy education programmes; <ul style="list-style-type: none"> Fairly high literacy level for women; Existence of Department of Gender and Social Development. 	many micro credit advisors who exploit savings and credit groups; <ul style="list-style-type: none"> Poor communication in some parts of the county; Lack of staff in most constituencies; Dependency syndrome amongst community members especially in community service projects e.g. water, dispensaries, schools etc; Lack of representation of women in major forums and county committees and development forums; Women lack collateral for credit. 	Development Assistants alongside their duties to correct the problem of staffing; <ul style="list-style-type: none"> Willingness of donor agencies to support the Department of Gender and Social Development with resources to capacity build the communities for self-reliance; 30 % participation on committees and employment opportunities rule; The constitutional provisions on gender equity. 	communities start projects through devolved funding without proper technical advice from relevant departments; <ul style="list-style-type: none"> Negative cultural practices (through joining of illegal groupings by the youth); Marginalization of the boy child; Entrenched cultural practices that do not favour women empowerment.

2.3.2 Poverty

The county has high poverty levels which according to the 2005/2006 Kenya Integrated Household Budget Survey, about 36 per cent of the population live below the poverty line. The poor are not able to access the basic necessities of life such as food, shelter and education. The food poor constitute 36 per cent of the population with the vulnerable groups that is hardest hit by poverty being women, the unemployed youth, widows and orphans, neglected retired old people, the street children and those living in the marginal areas of the county.

Poverty in the county manifests itself in many ways including inaccessibility to health services, food insecurity, inadequate potable water, lack of good and proper clothing, inaccessibility to proper education and landlessness. The main causes of poverty in the county include the poor physical infrastructure that increases the cost of accessing and marketing of agricultural produce; and low returns from coffee, tea and milk which make it difficult for most of the agricultural community to meet their basic needs. Other causes include: lack of industries; stringent collateral requirements and high interest rates by banks; high prices of farm inputs resulting in low application by farmers; collapse of the major cooperative societies and exploitation of farmers by middlemen.

The county contribution to national poverty is 0.8 per cent. Efforts will therefore be made to reduce poverty through the various sectoral policies, strategies and programmes including interventions to address environmental protection.

Strengths	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> • Available natural resources; • Well educated population; • A good entrepreneurial culture; • Availability of high potential land for Agriculture and Livestock farming; • Strong cooperative movement; • Existence of government agencies at the local level; • Availability of social support services from the government e.g. CKDAP, MDG. 	<ul style="list-style-type: none"> • Underdeveloped physical infrastructure; • Exploitative type of culture; • Reluctance of people to take loans from credit institutions; • Extortion from illegal group; • Involvement of the youth in illegal activities; • Most of the county is semi-arid; • Limited water for irrigation agriculture; • Rampant wrangles within the cooperative movement; • Lack of access to credit; • Poor farming methods. 	<ul style="list-style-type: none"> • Existence of development partners; • Existence of credit institutions; • Existence of youth and women enterprise fund at the constituency level; • Existence of marketing institutions for both agriculture and livestock; • Presence of Poverty alleviation projects e.g. CKDAP, <i>Njaa Marufuku</i>, MDGs. 	<ul style="list-style-type: none"> • Negative cultural practices; • Rampant destruction of the environment; • Wrangles within the cooperative movement; • Poor priority setting for CDF activities; • Land fragmentation; • Poor adoption of modern methods of farming; • Pollution and over-use of available water resources; • Illegal groupings; • Existence of a number of development agencies; • Availability of credit institutions; • Existence of devolved resources.

2.3.3 Disaster Risk Reduction

The major disasters experienced in Murang'a County include: landslides, drought and famine, accidents related to quarrying, frost, human-wildlife conflict, water pollution, forest fires among others. It's therefore important to mainstream disaster risk reduction DRR in the county development planning to help reduce risks, mitigate prepare for and respond to both natural and man-made disasters.

To mitigate on losses due to landslides the government of Kenya through the meteorological department has established a radio station (Kangema FM) which broadcasts in the local dialect to warn communities living in the area whenever there is an imminent landslide. Poor households were also issued with small radios. To mitigate on the deforestation the government through Kenya Forest Service has introduced licences for cutting and transportation of trees. Non –governmental organisations, donors, community bases organisations etc with interest in environmental conservation have come out to educate communities on the importance of conserving the environment. For example, the government through the Millennium Development Goals is implementing schools greening programme. CDF has also been financing tree nursery programmes to boost forest cover in each

constituency. The ministry of agriculture is encouraging farmers in the county to grow high value traditional drought resistance crops e.g. cassava, sweet potatoes, sorghum to ensure food security during dry seasons.

The government through National Environment Management Authority (NEMA) has put up measures to reduce disasters in the quarrying sites through introduction of permits, regular site visits and public education. Some rivers in the county especially those near urban centres and markets are polluted due to poorly managed sewerage and drainage systems. This usually leads to diseases and environmental degradation. NEMA and the ministry of public health and sanitation has been sensitising the public on proper waste treatment and discharge

To curb human-wildlife conflict, the government through the Kenya Wildlife Service has erected a life fence along the Aberdare ranges to control wild animals from moving out of the forests.

Strength	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> • Existence of management authorities that regulate various activities in the county (E.g. NEMA, KWS, KFS, Local authorities, WARMA); • Availability of government officers who can be trained to mainstream DRR into development activities; • Existence of early warning mechanisms by the government officers e.g. Agriculture, water; • Existence of Radio broadcasting services in the hands of the 	<ul style="list-style-type: none"> • Inadequate specific institutions handling disasters; • Inadequate & unreliable funding to management authorities; • Lack of comprehensive legislation enveloping all sectors; • Unreliability of the provided information; • Commercialization of broadcasting services and diversion of intended purposes for commercial gains; • Ignorance from the community on warnings; • Lack of DRR in 	<ul style="list-style-type: none"> • Existence of the current government structures-Room for capacity building on requirements of DRR during planning and implementation stages; • Presence and persistence of disasters/hazards creates a common ground for legislators' willingness to enact relevant legislation supporting DRR; • Room for voluntarism from the community members; • Existence of radio stations broadcasting in local dialect to warn on disaster; • Incorporate DRR into learning curricula; • CBO's & FBO's can be able to organize trainings on DRR to 	<ul style="list-style-type: none"> • Poor enforcement mechanisms; • Conflicts between implementing authorities (E.g. KeRRA in conflict with NEMA & KFS); • Lack of political goodwill; • The magnitude of the disaster may overwhelm the capacity and personnel thereby compounding the felony; • Ignorance on the part of the affected; • Cultural beliefs; • Inadequate resources;

<p>community e.g. Kangema F.M disaster reports;</p> <ul style="list-style-type: none"> • Most schools have clubs & societies that inculcate DRR e.g. scouts & red cross clubs; • Local non state actors & private sector with disaster management equipment e.g. Red cross & G4S; • Availability of devolved emergency kitty e.g CDF. 	<p>school curricula;</p> <ul style="list-style-type: none"> • Poor enforcement mechanisms; • Looting by volunteers/ community members during disasters; • Inadequate training by volunteers; • Small parcels of land. 	<p>the community;</p> <ul style="list-style-type: none"> • Existence of numerous water sources to undertake irrigation; • Existing facilities can be expanded to accommodate most DRR issues; • Existence of devolved funding to fund income generating activities; • Existence of financial institutions availing loans affordable to the community e.g. SACCOs; • Reduction of disaster effects through voluntarism; • Community reception on DRR process. 	<ul style="list-style-type: none"> • Abuse of broadcasting services fuelling conflict; • Crop pests & diseases; • Prolonged Drought; • Over reliance on cash crops threatening food security; • Inadequate sensitization of community living near disaster prone areas.
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2.3.4 Youth

The youth are defined as those aged between 18 and 35 years. This is the productive age group and represents 46per cent of the total population in the county. There are deliberate efforts to include the youth in decision making processes and now the youth are represented in all devolved funds committees. Under the Ministry of Youth Affairs and Sports, the government had embarked on revival of youth polytechnics and initiated the Youth Enterprise Fund where the youth can access loans at interest rates lower than the prevailing market rates. However most of youth are yet to benefit from this fund because of their inability to meet the requirements set to access loans from the Constituency Youth Enterprise Scheme Fund.

The youth are also faced with lack of entrepreneurial skills that can help them access money from financial institutions because of lack of proper training and business skills exposure. A lot of the youth have concentrated on acquiring basic ICT skills at the expense of other skills thus crowding this market.

Other challenges faced by the youth include drug abuse and consumption of illicit brews. This has affected performance of the youth both in schools and outside schools. It has also made them fail to engage in economic activities such as agriculture. Social disorder and moral decay are the end products of this and it further exposes the youth to HIV/AIDS.

The youth are also involved in illegal groupings that have been causing mayhem in the county and in other neighbouring counties. The youth do not like participating in agricultural activities and prefer instead to engage in other activities that promise quick returns.

Strengths	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> • Government's Special funds for the youth; Receptive youth; • Specific ministry for the Youth affairs; • Presence of youth empowerment resource centres. 	<ul style="list-style-type: none"> • Poor disbursement of the Youth enterprise fund; • Unorganized youth groups; • Lack of patience among the youth group members; • Inadequate data on existing youth groups; • Negative attitude to work. 	<ul style="list-style-type: none"> • Presence of Political will to develop the youth potential; • Devolved funds; • Youth Enterprise Fund; • Under-utilized agricultural potentials. 	<ul style="list-style-type: none"> • High levels of unemployment among the youth; • Organized illegal groups; • Rampant drug and substance abuse among the youth; • HIV and AIDS scourge among the youths.

2.3.5 HIV and AIDS

HIV and AIDS pandemic poses a serious threat to the development of the county as the prevalence rate stands at 3.7per cent. The scourge is on the increase virtually in all the constituencies of the county. AIDS related deaths are common and those mainly affected are those within the productive age group of 15-49 years of age. Also, the number of HIV/AIDS orphans is on the increase.

Poverty is viewed as a major cause and consequence of HIV/AIDS. Poverty increases vulnerability of people with HIV, hence there is need to redirect resources towards support services to poor households. The situation is further aggravated by the fact that HIV/AIDS mostly affects people in the productive age leaving minors and the elderly people to take care of households. Progressive gains on poverty reduction may be reversed if concerted efforts are not urgently put in place to bring the HIV/AIDS pandemic under control.

The majority of new HIV infections are transmitted through unprotected sex and drug abuse particularly consumption of illicit brews which is rampant in the county. The most affected are those with untreated sexually transmitted diseases. Programs designed to slow the spread of HIV therefore need to focus on reducing transmission through sexual contact.

HIV/AIDS in the county is also linked to peer pressure and ignorance of the youth based on age and sex distribution and commercial sex due to economic hardships. For HIV/AIDS prevention programmes to succeed, special attention will be directed to these factors.

HIV/AIDS has led to declining productivity of the labour force due to increase in morbidity and mortality and rise in medical expenses, loss of man hours and employment. It has also led to psychological and physical stress due to uncertainty of the future, stigmatization, emotional

stress and depression of families left behind. Programmes geared towards encouraging people to attend voluntary counselling and testing will be undertaken as well as encouraging sector collaboration in programmes and activities directed towards reducing the spread of the virus the activities include PMCT and ART services.

Strengths	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> • Availability of trained personnel; • Increased awareness on basic preventive measures of health; • Existence of support institutions e.g. NGOs and CBOs; • Improved supply of drugs; • Mainstreaming of the fight against HIV and AIDS in all sectors; • Presence of strong NACC structures in the county CTC, CACCs; • Improved financial support from government and other non-governmental institutions; • Highly aware and proactive public. 	<ul style="list-style-type: none"> • Limited financial resources to carry out mobile VCT; • Limited staff in the health institution and for extension services; • Inadequate funding of anti-HIV/AIDS programmes; • Weak M& E systems and capacities; • Poorly staffed VCT centres; • Limited Comprehensive care centres; • Lack of statistical data on PLWHAs & OVCs in the County; • Few Sub-ACUs implementing work place policy on HIV/AIDS. 	<ul style="list-style-type: none"> • Existence of other institutions in the health sector; • Existence of good physical infrastructure; • Awareness of health issues; • Supportive political environment; • Mobile VCT/PMCT services; • Existence of people living positively with HIV and AIDS; • Anti-HIV & AIDS programs such as BCC, TOWA, APHIA Plus; • Training and capacity building; • Cash Transfer Support Programme for OVCs; • Existence of Home Based Care programmes. 	<ul style="list-style-type: none"> • Increased spread of drug resistant strains; • High rural and urban poverty leading to a rise in high risk behaviour e.g. prostitution; • Anti-reform religious and cultural practices; • Unwillingness to adopt safer sexual behavior; • High levels of stigmatization.

2.3.6 Information Communication Technology

ICT is a powerful enabler of development goals due to its unique characteristics to dramatically improve communication and exchange of information and also to strengthen and create new economic and social networks. It is thus very evident that ICT, when well harnessed and focused, has the potential to bring in multiple benefits in the areas of governance, integration of all areas of the economy, development of rural areas and productive improvement thus promoting the livelihoods of the entire population and alleviating poverty.

Business Process Outsourcing has been identified as a key sector under the Economic Pillar of the Kenya Vision 2030. The Vision for the BPO sector is for the country to be “the top off shoring destination in Africa.” It is also expected to become the sector of choice for employment for youth and young professionals. This calls for the county to move quickly to establish the necessary capacity in this sector.

The county recognizes information communication technology as a growth sector that has immense potential for unlocking many opportunities in business, education, agriculture, industry and security. The county has been linked with fibre optic cable where by some of the government offices have been connected through internet. This has led to the operationalization of e-conferencing at the county headquarters and more offices are expected to be connected. The development of this sector will play a crucial role in opening opportunities in business and commerce in the county through easy access to the market information. The County will endeavour to ensure enhancement and expansion of ICT.

Strengths	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> • The availability of an ICT policy; • Existence of several ICT outlets; • Private sector support through training and investment; • Extensive mobile network coverage; • Availability of telecom exchange and landline; • High number of cyber cafes; • Existence of ICT 	<ul style="list-style-type: none"> • Limited financial support to the sector; • Many have not differentiated passive use of ICT and profitable use of the same; • Expensive to access and use information through the internet; • Training on ICT is still low; • There are limited ICT training institutions; • Limited awareness on the importance of ICT in day –to- 	<ul style="list-style-type: none"> • The laying of fibre optic cables is expected to improve on efficiency and reduce cost; • Existence of training institutions in the county; • Large market of users; • Competitive companies. 	<ul style="list-style-type: none"> • Negative use of ICT; • Security and theft through the internet & Associated cybercrimes; • High cost of ICT equipment.

infrastructure; <ul style="list-style-type: none"> • Large youthful population that has embraced the use of ICT. 	day's life; <ul style="list-style-type: none"> • Inadequate computers in most government departments; • Lack of qualified ICT experts. 		
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2.3.7 Security

Security is paramount for peace, law and order to prevail and is conducive for development and investment. It determines how much investment the county will attract and hence the level of economic development. The county is faced with an enormous task due to insecurity especially with the outlawed groups. Despite this challenge, the county has an effective security system, well-endowed resources such as the police stations, police posts, police patrol bases, and Administration Police camps, which are well distributed across the county. With the introduction of community policing, the county has a vibrant community policing unit in all the constituencies.

Strengths	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> • Well trained personnel; • Availability of security institutions e.g. police post and AP camps; • Fund for construction of police post and AP camps by CDF; • Functional District Security Committee; • Community policing. 	<ul style="list-style-type: none"> • Inadequate personnel; • Limited community participation in community policing; • Inadequate Vehicles and other equipments to track the criminals. 	<ul style="list-style-type: none"> • Introduction of community policing; • Collaboration with other agencies in tackling insecurity; • Addressing insecurity by looking at the “wider picture” such as poverty reduction and employment creation initiatives. 	<ul style="list-style-type: none"> • Increased use of ICT in economic and other crimes; • Failure to disclose information by the community; • Population growth without commensurate increase in employment; • Increased sophistication of crimes.

2.3.8 Climate Change

Climate change refers to the significant variation of expected average weather conditions of a given location as observed over a period of at least 30 years. Climate change is caused by emissions of Green House Gases (GHGs) into the atmosphere through natural causes and human induced activities.

Climate change is a reality in Murang'a County and a common phenomenon leading to massive losses across sectors. Some of the adverse effects of climate change experienced in the county include: variation in weather patterns with low rainfall and failed seasons; severe famine and hunger causing food insecurity especially in the ASALs regions like Kambiti, Maragwa Ridge; loss of biodiversity especially at the ecosystems which are fragile like the African elephant (*Loxodonta Africana*) found at Aberdares that is threatened due to destruction of its habitat and breeding grounds in the forest; and resource use conflicts where Wildlife stray from protected areas to farms in search of water and forage e.g. at Kaseve hills in Murang'a South where there is conflict between the local peoples and monkeys.

There is need for Murang'a County to make the necessary adjustments and prepare to cope with effects of climate change and mitigation effects. Most of the disasters in the county are experienced as a result of extreme weather conditions.

Strengths	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> Existence of the metrological department with equipment in the region; Existence of the ministry of special programmes; Existence of disaster management committees and environment committees that address issues on climate change. 	<ul style="list-style-type: none"> Lack of early warning system; Poor facilitation of environment and disaster management committees; Lack of climate change experts at county level; Unreliable data; Inappropriate industrial and farming practices locally and globally. 	<ul style="list-style-type: none"> Capacity to diversify from rain fed agriculture to irrigated agriculture; Monetary gain for farmers in carbon trading; Receptive community in taking up tree planting initiatives. 	<ul style="list-style-type: none"> Competing development priorities for decision makers; Adverse weather conditions; Negative Human activities;

2.3.9 Environmental Conservation and management

Environmental conservation and management is important to county development. The county will strive to ensure that the populace live in a clean, secure and sustainable environment, increased forest cover; reduction of environment-related diseases; promoting environmental conservation; improving pollution and waste management; promoting public-Private partnership improve water and sanitation delivery. Specific strategies include promoting environmental conservation, improvement of pollution and waste management, public-private

sector partnerships in environmental issues, improving efficiency in water and sanitation, delivery and promotion of disaster preparedness in the county.

Environmental conservation and management is a county priority as we focus on the concept of sustainable development. It is important to note that saving the environment, environmental protection and long term economic growth are both complementary and mutually dependent.

Strength	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> • Strong Forest Act NO. 7 of 2005; • Existence of NEMA and formation of Sub county environment committee (SCEC); • A developed Culture of tree planting in the county; • Professionals and technical staff available; • High Public awareness; • Change of attitude; • Involvement of community, Private sector and other stakeholders participation; • Introduction of community forest users group through participatory forest management; • Existing Environment Management and Coordination Act and structures at the county and local levels. 	<ul style="list-style-type: none"> • Inadequate funds; • Shortage of staff; • Limited training opportunities; • Farmers intruding to the riparian zones; • Weak community monitoring of environmental management activities; • Weak enforcement of both NEMA and Forest Acts; • Lack of political goodwill. • • 	<ul style="list-style-type: none"> • Draft forest policy Session paper No. 9 of 2005; • Community Private and other stakeholders involvement; • Availability of land for re-a forestation and rehabilitation; • Promotion of term forestry and extension services; • Promotion of dry-land forestry; • Private sector industrial plantation forest development; • Institutional transformation; • Forest Management planning (Zoning) based the Eco-system approach; • Existence of Development Partners. 	<ul style="list-style-type: none"> • Forest fires; • Game damage to industrial plantation forest; • Pest and disease; • Forest encroachment and excisions; • Soil and water erosion; • Excessive use of polythene papers with poor disposal system.

2.3.10 Persons with Disabilities

In the past, persons with disabilities have been marginalized in all sectors of development in the county. For a long time, these people have been treated as out-casts who cannot add value to economic and developmental processes. But now national campaigns to recognize the role of persons with disabilities have been initiated so as to give them equal opportunities in all aspects of socio-economic development. A major challenge in the county is that there are only two institutions that take care of needs of children with disabilities. These institutions do not offer the training required up to secondary and tertiary level requiring the students to go for further education in other counties. Another challenge is lack of data pertaining to persons with disabilities in the county which affects efforts to cater for their needs.

Strengths	Weaknesses	Opportunities	Threats
<ul style="list-style-type: none"> • Organized groups of people with disabilities; • Informed leaders on people with disabilities; • Learning institutions for people with disabilities. 	<ul style="list-style-type: none"> • Poor planning for people with disabilities; Uninformed members of the community on how to deal with people with disabilities; Lack of relevant training programs for the disabled; Inadequate funding for the people with disabilities; • Lack of data for people with disabilities. 	<ul style="list-style-type: none"> • Presence of devolved funds to assist people with disabilities; • Presence of well-wishers who assist when need arises; • Trust fund for people with disabilities. 	<ul style="list-style-type: none"> • Marginalization of people with disabilities; • Negative attitude towards people with disabilities. •

2.4 Potential Strategic Policy Thrusts

This section gives an analysis of development issues, causes, objectives and potential strategic policy thrusts. The development issues are categorised as per the nine MTEF sectors which are summarised in the matrix below.

Analysis of Development Issues, Causes, Objectives and Strategies

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
Agriculture and rural development	Agriculture	<ul style="list-style-type: none"> • Crop husbandry • Plant disease control • Soil and water conservation 	Low agricultural productivity	<ul style="list-style-type: none"> • Low yield of crop production due to diseases and pests infestation; • Frequent drought occurrences; • Poor irrigation methods; • Inadequate funding for irrigation; • High cost of farm inputs. 	To increase food production in the county and hence food security	<ul style="list-style-type: none"> • Educate farmers on good farming techniques and better storage methods; • Utilize available irrigation water efficiently; • Educate farmers on the advantages of using high yielding seed and sourcing for agricultural credit; • Promote 	<ul style="list-style-type: none"> • Revitalize extension services; • Sensitize farmers on use of quality seeds and field days; • Training on post-harvest management; • Promote value addition; • Improve access to credit facilities; • Encourage a forestation; Introduce high yielding planting materials; • Encourage growing of drought resistant/tolerant crops;

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
						contract farming.	<ul style="list-style-type: none"> • Promote use of compost manure on farms; • Operationalize NCPB in Maragwa town; • Encourage farmers to form groups to purchase inputs in bulk; • Subsidize farm inputs or lower their prices; • Increase the acreage under irrigation.
	Livestock development	<ul style="list-style-type: none"> • Animal husbandry • Animal disease control • Livestock sale yards • County abattoirs • Veterinary services • Animal control and welfare. 	<ul style="list-style-type: none"> • Low livestock productivity; • Poor marketing systems for livestock products. 	<ul style="list-style-type: none"> • Low yield of livestock production due to diseases and pests infestation; • Frequent drought occurrences; • High cost of livestock inputs; • High cost of AI services; • Inactive and under developed cooperative societies dealing 	<ul style="list-style-type: none"> • To improve livestock productivity, marketing channels and value addition to livestock products. 	<ul style="list-style-type: none"> • Educate farmers on better livestock farming techniques; • Revival of livestock product cooperative societies; • Initiation of cottage industries for value 	<ul style="list-style-type: none"> • Intensify animal disease surveillance; • Promote value addition; • Revive livestock cooperatives; • Provide affordable livestock farming inputs; • Open up livestock products marketing

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
				with livestock products; • Unorganized livestock market.		addition.	channels.
	Fisheries	Fisheries development services;	Low productivity.	Lack of quality finger lings for breeding.	Increase fish production and hence enhance nutrition value to the community.	Provision of quality fingerlings.	<ul style="list-style-type: none"> • Sensitize fish farmers on proper fish farming techniques; • Provide quality fingerlings to farmers.
	Cooperative development	Regulation of cooperatives .	<ul style="list-style-type: none"> • Poor management ; • Poor marketing of farm produce; • Theft of coffee berries from factories. 	Unethical practices; Short comings of the cooperatives Act.	<ul style="list-style-type: none"> • Revitalize cooperative societies; • Improve management skills; • Enforce cooperative rules and regulations. 	<ul style="list-style-type: none"> • Promotion of commodity marketing group; • Train management on management and value chain skills. 	<ul style="list-style-type: none"> • Organize farmers into marketing groups; • Train the group leaders on management skills; • Community policing to curb theft of coffee cherries; • Suspension of coffee trade in the national coffee auction.
	Lands	• Land surveying and mapping	Uncontrolled subdivision of land.	Poverty and population pressure on land.	Promote economic use of land resources.	• Mitigation on land fragmentation through	• Sensitize community on economic value of land with

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
		<ul style="list-style-type: none"> Boundaries and fencing. 				land boards; <ul style="list-style-type: none"> Enforce land use policies. 	regard to size and use; <ul style="list-style-type: none"> Land board to put limit on the sub-divisible land sizes.
Energy Infrastructure and ICT	Roads	County roads works.	Poor road network	<ul style="list-style-type: none"> Poor and irregular maintenance; Inadequate funding of road maintenance activities. 	Ensure all roads are motorable throughout the year.	Rehabilitation of roads; Repair and maintenance of roads.	<ul style="list-style-type: none"> Pooling of resources; Engagement of relevant stakeholders in road maintenance; Opening up of new and impassable roads.
	Public works	Storm water management systems in built-up areas.	Dilapidated Foot bridges	Negligence by responsible parties; Harsh weather conditions.	Ensure that bridges are safe for use throughout the year.	Rehabilitation and construction of foot bridges across the county.	Pooling of resources and engagement of all stakeholders.
	Transport	Public road transport;	Neglected railway line & stations and Kambirwa air strip.	Non-use of railway system and the air strip.	Improve air, road and rail transport network for both agriculture and commercial activities.	<ul style="list-style-type: none"> Develop Kambirwa air strip; Rehabilitate Mitumbiri, Maragwa and Kandundu 	<ul style="list-style-type: none"> Mobilize resources for the development of air strip; Bring together all stakeholders in railway transport to strategize on

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
						railway stations.	appropriate use resources in the railway system.
	Energy	Electricity and gas reticulation and energy regulation;	Power rationing and outages.	<ul style="list-style-type: none"> • Dilapidated transformers; • Theft and vandalism of transformers; • Frequent and prolonged droughts. 	Ensure constant and reliable power supply in the county.	<ul style="list-style-type: none"> • Regular maintenance and security provision to transformer; • Develop power stations at Ndakaini, Gatara and Irati River water falls. 	<ul style="list-style-type: none"> • Promote and invest in alternative energy such as solar, wind, biogas; • Regular maintenance of power lines and transformers.
	ICT		Under developed information and communication resource centres.	Low investment in the subsector.	Improve and expand ICT facilities to constituency levels.	Expanding fibre optic cables to constituency levels.	Mobilise stakeholders and partners with a view to initiate installation process.
	Urban areas/Town committees.	<ul style="list-style-type: none"> • Traffic and parking; • Street lighting; • Firefighting and disaster management; 	Lack of Firefighting equipment and station, bus parks.	Inadequate finances.	<ul style="list-style-type: none"> • Enhance disaster management response; • Organized transport system in urban centres. 	To have an operational fire stations and bus parks.	Planning and mobilization or resources.

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
		<ul style="list-style-type: none"> • Control of outdoor advertising; • Cemeteries funeral parlours and crematoria; • refuse removal; refuse dumps; • solid waste disposal. 					
General economic, commercial and labour affairs	Trade	<ul style="list-style-type: none"> • Regulation of fair trading practices; • Development of markets; Trade licences; 	Inadequate trade infrastructure.	Inadequate finances.	Ensure developed and operational trade infrastructure.	Fast track setting up of whole and retail outlet in Maragwa.	Mobilizing both government and private sector stakeholders and resources.
	Industrialization		Lack of manufacturing and service industries.	Lack of industrial and entrepreneurial skills.	To have an industrialized county where youths can get employed.	Training on industrial and enterprise skills.	Set up industrial fund, set aside land and initiate industrial research and development institutions.
	Tourism	Promote	Un tapped	Inadequate	To maximize	To create	<ul style="list-style-type: none"> • Mobilization of

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
		local tourism.	tourism potential	resources; Lack of enabling environment.	county revenue through tourism.	enabling environment for the development of tourism industry.	stakeholders and resources; <ul style="list-style-type: none"> • Sensitize community and other stakeholders on the need to develop and nurture tourism industry; • Promote water sports; • Initiate public-private partnerships in the tourism industry.
	Labour		Lack of industrial court to arbitrate high labour disputes.	No industrial court in the county.	Ensure labour disputes don't affect economic activities in the county.	Establishment of an industrial court at the county level.	Mobilization of resources and establishment of a labour tribunal.

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
Governance , justice, law and order	Provincial administration and internal security.		<ul style="list-style-type: none"> Inadequate police posts and security staff, inadequate offices and housing for provincial administrator. 	Inadequate funding; Inadequate staffing.	To ensure security, law and order in the county are maintained.	To construct and operationalize police posts, provincial administration offices and housing.	Mobilize resources, construction of police posts, offices and houses, recruitment of security staff.
			Insecurity.	<ul style="list-style-type: none"> High unemployment; High Poverty levels; Inadequate security personnel; Illicit Brews and drug abuse; Poor land tenure system. 	Protection and maintenance of citizens rights;	Infrastructure improvement; Increase the security personnel; Intensify patrols.	Intensify community policing; Sensitize members of the public to have confidence in the security machinery.
	Immigration and registration of persons.		Lack of awareness on civil registration exercise by the county residents.	Ignorance and lack of sensitization.	Ensure residents have birth certificates and all deaths are registered.	Ensure that all births and deaths are registered.	Mass sensitization of the public on civil registration activities; Introduction of mobile registration centres.
Environmental protection, water and	Environment	<ul style="list-style-type: none"> Forestry; Control of air and 	Environmental degradation.	<ul style="list-style-type: none"> Poor farming methods leading to soil erosion 	To stop environmental degradation.	<ul style="list-style-type: none"> Increase the area under forest cover; 	<ul style="list-style-type: none"> Promote community tree nurseries;

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
housing		noise pollution; • control of public nuisances.		and Leaching; • Deforestation; • Quarrying and Sand harvesting; • Poor drainage; • Overgrazing; • Poor soil conservation methods; River pollution.		<ul style="list-style-type: none"> • To involve people living around the forest in forest conservation; • Sealing of quarries; • Intensify soil conservation methods; • Improve farming methods; • Improve drainage systems. 	<ul style="list-style-type: none"> • Encourage Formation of community forest conservation committees along forests; • Promotion of soil conservation initiatives; • Protection of water catchments areas; • Control air pollution e.g. tea and other smoke emitting factories, noise in towns and urban areas, etc; • Construction of hospital incinerators.
	Water and irrigation	Water and sanitation services	Inadequate water supply.	<ul style="list-style-type: none"> • Increased demand for domestic and irrigation water; • Insufficient water for irrigation; • Decreasing levels of water in the rivers; 	<ul style="list-style-type: none"> • Improve access to clean and safe water for domestic use and irrigation; • Improve efficiency in the use of irrigation 	<ul style="list-style-type: none"> • Increase access to clean and safe domestic water; • Train residence on roof 	<ul style="list-style-type: none"> • Train water users groups on management and conflict resolution; • Development of wells and springs; • Training on

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
				<ul style="list-style-type: none"> • High cost of developing gravity schemes and bore holes. 	water.	harvesting technology; <ul style="list-style-type: none"> • Provision of adequate and reliable water; • Conservation of catchments areas. 	water harvesting technology; <ul style="list-style-type: none"> • Rehabilitate stalled and start new water projects; • Minimise wastage of water by using appropriate technology; • Construction of new irrigation systems; • Construction of water recycling plants in major towns; • Promote standard car wash techniques that save on water such as use of steam jets.
Health	Health	<ul style="list-style-type: none"> • Health facilities and pharmacies ; • Ambulance services; 	<ul style="list-style-type: none"> • Inadequate access to quality Health care services. 	<ul style="list-style-type: none"> • Poorly equipped health facilities; • High incidences of human disease; • Inadequate health facilities; 	<ul style="list-style-type: none"> • To have a healthy community for accelerated economic growth hence economic 	<ul style="list-style-type: none"> • To Intensify community health education; • Equipped health facilities and 	<ul style="list-style-type: none"> • Provide adequate health facilities; • Equip all health facilities with modern equipment and

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
		Promote primary health; Licensing and control of sale of food to the public;		<ul style="list-style-type: none"> • Inadequate health education; • Inadequate health personnel. 	development.	trained personnel.	<ul style="list-style-type: none"> • drugs; • Promote preventive health services; • Increase training for community health workers; • Rehabilitate and upgrade the existing health facilities and put up new ones.
Education	Education	<ul style="list-style-type: none"> • Pre-primary education; • village polytechnics; • Home craft centres; • libraries. 	Declining education standards.	<ul style="list-style-type: none"> • Inadequate education facilities; • Under developed education infrastructure; • Child labour in the coffee and tea zones; • Poor role modelling from illegal groups; • Lack of motivation among staff; • High dropout rates; • Understaffing; • Apathy on education; • Negative attitude 	<ul style="list-style-type: none"> • Improve quality of education offered in the county; • Increase access to primary and secondary levels; • Increase access to tertiary colleges and youth polytechnic; • Strengthening adult education. • 	<ul style="list-style-type: none"> • Increase the number of schools (primary and secondary, tertiary colleges, youth polytechnics, and adult education learning centres). • 	<ul style="list-style-type: none"> • Improve existing physical facilities; • Form educational task forces in the constituencies; • Sensitization on the need for getting good education; • Improve disbursement of bursaries to needy children; • Reduce the staff to pupil ratio; • Encourage holding of educational

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
				towards education.			stakeholders meeting; • Depoliticize education.
Public administration, and international relations	Planning and Finance	County planning; Statistics.	Inadequate office space, logistics problems and low staffing.	Adequate resource allocation.	To provide conducive work environment.	To provide conducive work environment.	Mobilization of resources; Construction of offices; Recruitment of staff.
Social protection, culture and recreation.	Youth affairs and sports;	<ul style="list-style-type: none"> • Sports and cultural activities and facilities; • Museums; • cultural activities; • Public entertainment; • public amenities. 	Un employment, drug and substance abuse, illegal sects.	<ul style="list-style-type: none"> • Lack of organized labour market; • Lack of skills required in the job market; • Peer pressure and idleness. 	<ul style="list-style-type: none"> • Creation of employment opportunities for the youth; • Ensure a drug free society where youth potential has been maximized. 	<ul style="list-style-type: none"> • Ensure labour market is organized and structured to cope with increasing demand for jobs; • To Revitalize industrial sub sector, in order to create jobs for the youth. 	<ul style="list-style-type: none"> • Redesigning youth programmes and projects; • Improve financial accessibility to youths who wish to acquire skills and venture into business; • Establishment of rehabilitation centre for drug abuse victims.
	Gender children and social	Childcare facilities.	Gender inequalities in resource	Outdated cultural beliefs and practices.	To have a county where men and women	• To ensure that all positions in	• Sensitization of the community on gender

County Development Issues, Causes, Objectives and Strategies							
MTEF Sector	Sub-Sector	Link to County Functions	Issues/ Problems	Causes	Development Objectives	Immediate Objective	Potential Strategic Policy Thrusts
	development.		allocations and leadership.		have equal rights.	the county have one third gender representation; <ul style="list-style-type: none"> To ensure that resource allocation in the county are evenly distributed. 	issues; <ul style="list-style-type: none"> Empowerment of women to take up leadership positions.
	Special programmes		HIV and AIDS scourge; IDPs.	Poverty; Unemployment; Land/resource ownership disputes.	To have an HIV and AIDS free and food secure county.	<ul style="list-style-type: none"> Reduce HIV and AIDS prevalence rate; Integration of IDPS in the community. 	<ul style="list-style-type: none"> Intensify sensitization campaigns on HIV/AIDS; Increase the uptake of ARV in the county; Promotion of PMCT; Sensitize community on resource sharing.

CHAPTER THREE:

3 County Spatial Framework

3.1 Introduction

Pursuant to section 38 of the Cities and Urban Areas Act, A city or urban area shall prepare an integrated city or urban area municipal development plan consisting of an assessment of the current social, cultural, economic and environmental situation in its area of jurisdiction; a determination of community needs, aligning them to the requirements of the Constitution; protection and promotion of the interests and rights of minorities and marginalized groups and communities; a shared vision for its development and that of the county as a whole; an audit of available resources, skills and capacities; prioritization of the identified needs in order of urgency and long-term importance; and integrated frameworks and goals to meet the identified needs; Section 37 prescribes that a city or urban area integrated development plan shall be aligned to the development plans and strategies of the county governments. This chapter presents a spatial plan for the county. It presents the necessary coordination between the various sectors.

3.2 Spatial Planning

Kenya's national goal is to attain rapid and sustained economic growth and development in all regions of the country. This is well stated in the key policy documents namely: the Economic strategy for Employment and Wealth Creation, Poverty Reduction Strategy Paper, the National Development Plan and Kenya vision 2030 blue print. The policy documents have also been done with appropriate regard to the Millennium Development Goals (MDG).

To put into effect this desired goal the government has put in place a number of programmes including the direction of financial resources to the counties through: the Constituency Development Fund, the Roads Development Fund, the Local Authorities Transfer Fund (LATF), and Education Bursary Fund and now the Commission for Revenue Allocation etc.

There are also a number of development agencies undertaking diverse activities in the county i.e. government line ministries, quasi-government development agencies, NGOs, CBOs, FBOs and private investors. But without an appropriate spatial frame for coordinating the activities of these agencies projects may be planned and implemented by each agency on its own assessment of local needs with little concern for the development planning framework or public participation. In this way, material resources will be wasted and facilities will operate at less than their maximum effectiveness and unnecessary costs will be incurred in the provision of infrastructural facilities and services because economic planning may be mainly sectoral and not incorporate sufficiently the spatial aspects of development at the national, regional and local levels.

Spatial planning has become urgent in Kenya especially within the context of paradigm shift from district based funding towards county development funding. County spatial planning can help step down global and national development policies to become relevant at the local level. It can also help in linking economic planning (budgets) to spatial planning which has been identified as the major cause of underdevelopment in the country despite massive investments over the years. Experience from Nyandarua, Mombasa Mainland South/Kwale and Kisumu/Nyando has shown that spatial

planning will be a useful tool in setting development priorities of a region and coordinating implementation of these priorities amongst a multiplicity of actors.

The Muranga County Spatial Plan will provide the needed overall integrated spatial framework for coordinating the various development efforts by different agencies so as to have sustainable development within the county.

Objectives of county spatial planning include:

- (i) To identify the spatial distribution of the resources within the county, their level of utilization and potential;
- (ii) To assess the existing infrastructure their current conditions, capacity and projected demand;
- (iii) To identify fragile ecosystems and suggest intervention measures for their protection and conservation;
- (iv) To investigate human settlement trends and propose an appropriate hierarchy or urban centers that will spur rural development;
- (v) To assess capacity of the existing institutions and organizations and suggest strategies to enhance their performance;
- (vi) To suggest an integrated spatial framework that will guide the sustainable utilization of the regional resources and to bring services closer to the people;
- (vii) Spur rural-urban inter-linkages and hasten economic growth and development; and
- (viii) Suggest priority areas for intervention.

3.3 Human Settlements

A settlement refers to a permanent or temporary community in which people live. It can range from a small number of dwellings grouped together to the largest of cities with the surrounding urbanized areas. An analysis of human settlement patterns in a region is critical in planning terms. The pattern of human settlement in a region is influenced by the population dynamics of that area and the two have an embryonic relationship. Other factors influencing human settlement include soil fertility, availability of productive resources, other natural resources and general production capacity, level of economic development e.g. location of industry and urbanization among others.

Settlements change in size and form and respond to the changing economic and social development needs of the surrounding areas. 11% of the population consisting of 108849 people live in the 513 urban centres in the county while 89% are in the rural areas consisting of 845,111 people.

In Murang'a County, about 40 per cent of the households live in stone/brick walled houses, 24.3 per cent in mud/wood walled houses while 2.19 per cent live in grass straw/tin walled houses. Most housing units in the county are roofed with corrugated iron sheets (94.38 per cent), while *makuti* and grass roof constitute 0.18 per cent of the households. Most of these housing units have earth floor (60.04 per cent), cement floored houses make up 38.85 per cent of the housing units. The county has 1,924 Low Grade, 232 Middle Grade, and 184 High Grade government housing units which are not adequate for the government officers deployed in the county.

3.3.1 Human Settlement Policy

In Kenya, the Human Settlement Policy is espoused in the detailed Human Settlement Strategy of 1978. This strategy is an overall framework for the management of urban growth and location of Physical Development in the urban and rural areas of Kenya so as to develop “a coherent system of human settlement”. Five strategies were outlined to achieve the above:

- The development of service centres;
- The development of growth centres;
- The development of an integrated transportation and communication system;
- Rural Development; and
- The development of appropriate standards for urban infrastructure

The main objectives of the above strategies are:

- To continue to promote the maximum development of the rural areas to improve living standards for the majority of the people;
- To establish a more even geographical spread of urban physical infrastructure in order to promote more balanced economic growth throughout the nation and a more equitable standard of social services between different areas;
- To encourage the expansion of several large towns in addition to Nairobi and Mombasa in order to promote regional growth thereby providing more alternatives for the absorption of the migrant population and the problems arising from excessive concentration in these towns;
- To continue to develop a complementary network of communication so as to improve accessibility between centers of economic and social development;
- To adopt standards of urban infrastructure which more closely relate to what can be afforded by the country as a whole; and
- To continue improving the planning machinery and co-ordination between developmental agencies, which are responsible for planning, decision making, financing, implementing and administering a wide variety of services.

3.3.2 Functions of Human Settlements

Ideally, human settlements perform the following functions:

Service Function: Settlements facilitate the provision of schools, health services, public utilities, commercial banks, co-operatives, administration among other important services. These services not only serve the people in the towns but also those in the surrounding areas.

Economic Function: They also provide employment opportunities e.g. within industries, commercial and the above service functions. They provide market for the local produce, which stimulates the conversion from subsistence to a cash economy. It also creates material advancement in both rural and urban centers through production of manufactured goods.

Residential Function: Human settlements also provide a residential function for people working in non-agricultural employment.

3.3.3 Historical Development of the Region

Muranga County is found within the former Central Province. It represents an area that was originally known as Fort Hall District in colonial times. It was one of the five districts of Central Province. The others were Nyeri, Kiambu, Nyandarua, and Kirinyaga Districts.

Muranga District was sub-divided into locations whose boundaries changed many times during the colonial period. The county composed mainly of land referred to as Kikuyu Reserves in which the Kikuyu were restricted during colonial times. At independence in 1963, the district was renamed Muranga District which consisted of seven divisions namely Gatanga, Kahuro, Kandara, Kangema, Kiharu, Maragwa and Mathioya.

3.4 Situation Analysis

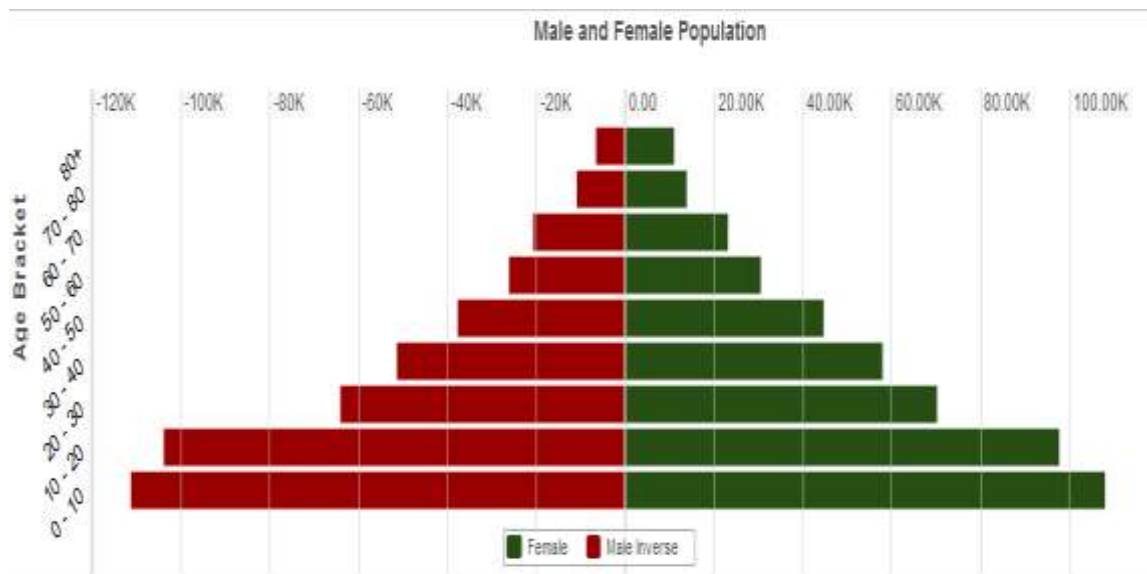
The county is a predominantly agricultural area with coffee, tea and dairying forming the major cash generating farm activities. Electricity coverage is estimated to be approximately 30%. The county has a road coverage of 2934.95 kilometres of which 387.5km are bituminized, 1313.1km are graveled and 1234.3km are earth roads. Literacy levels are above 90% and the purchasing power parity stands at 1436US Dollars i.e. an average family of four is able to spend 121 USD per month.

3.4.1 Rural and Urban Settlements Settlements

Muranga County displays very dense rural settlements in which land subdivision into narrow strips of land are very common. Since most of the county consists of ridges and valleys, land parcels are mostly subdivided in such a way that each parcel has access to a road on one side and a river/stream on the opposite side. Subdivision into sizes that are not agriculturally viable is not uncommon. Some of the subdivisions do not meet the requirements for registration hence are not registered.

There are a total of 513 market centres in the county. Major shopping centers include Kahati, Kahuro, Kandara, Kangari, Kangema, Kamahuha, Kenol, Kigumo, Kiriaini, Kirwara, Makuyu, Maragwa and Saba Saba. 89% of the population in the County is rural based while 11% is urban, thus making agriculture the main economic activity in the county. Under the Urban Areas and Cities Act, 2011, Muranga town which hosts the County Headquarters has been classified as a township while other town centers have been unclassified. Previously three of the centres were classified as towns (Murang'a, Maragwa and Makuyu towns) and three as urban centres (Kabati, Kangari and Kiriaini). There are 18,963 registered traders, both retail and wholesale. The wholesalers mostly deal with consumer and hardware products while retail traders, who are in both rural and urban areas, deal mainly with food products

The population of the town consists mainly of a young population with more than 50% of the people being below the age of 30 years. The population structure is indicated in the following figure



Source: Kenya Open Data

3.4.2 Emerging Issues: Urban Settlements

- Indiscriminate solid waste disposal
- Urban sprawl/ Unplanned settlements
- Inadequate recreational facilities
- Poor road conditions
- Mixed Developments
- Inadequate water supply
- Pollution (land, air, and water)
- Inadequate housing units
- Poor waste water disposal
- Over-reliance on agro-based industries
- Inadequate sanitation facilities e.g. public toilets, waste receptors, waste disposal sites
- Stagnation of urban centres
- There is no strong industrial base
- Inadequate/Lack of public facilities such as cemeteries, health facilities

3.4.3 Possible Solutions

- Planning of the urban centres
- Road improvement
- Upgrading of water supply systems
- Development of housing projects
- Urban renewal

- Development of sewage systems
- Industrial diversification
- Enforcement of by – laws by the County Government
- Provision of sanitation facilities

3.4.4 Functional Roles of Urban Centres

Urban centres are usually hubs of innovations and enterprises. These centres are also sources of employment both in the formal and informal sectors. They also serve as entry and exit points for commodities such as farm produce and consumer goods

3.4.5 Urban-Rural Linkages

Strong urban-rural linkages are vital for the development of any region as they determine the flow of goods and services. These linkages are often aided by a good transportation network and a functional industrial base. Ideally, the rural and urban areas complement one another in spurring development in the region. The rural areas are suppliers of basic foodstuffs and raw materials. The rural areas also offer labour for urban-based activities. There are strong linkages between Muranga Town and other urban centres such as Kangema and Kahuro. Some of the towns especially those located on the Nairobi – Nyeri Highway e.g. Kenol and Makuyu have an easier access to the city than to the county headquarters

All weather linkages exist between urban centers and rural areas because most of the rural roads, which are considered tea access roads, are graveled. However, the conditions of some of the existing roads are poor thus increasing the cost of transportation. Demand by the population for non-food commodities, farm inputs and services by the agricultural sector as well as demand for foodstuff by the urban dwellers can only be met if there is an existing and coordinated urban-rural linkage.

3.4.6 Linkages between Muranga and Neighbouring Counties

The linkage between Muranga County and the neighbouring Nyeri, Kirinyaga, Kiambu, Embu and Machakos Counties is easy through all weather bituminized roads. However, the linkage with Nyandarua County which is a food rich area is through taking a loop via Nairobi or Nyeri and Nyahururu due to the location of Aberdare National Park between the two counties, through which passage is restricted.

It is notable that the proximity of Nairobi City (approximately 100kms with a tarmac road) has to some extent restricted the rate of growth of Muranga town. The transport system between the town and the city is fluent with a sufficient number of public service vehicles (*matatus*) plying the route.

3.5 Water and Sanitation in the county

There are 5 water and sanitation companies in Murang'a county namely: Muwasco, Gatawasco, Muswasco, Kahuti, Kandara. Ithanga water supply was handed over from Thika East and is now also part of Murang'a.

3.5.1 Gatamathi water and sanitation (Located in Mathioya Sub-County)

	Water Supply Scheme	Water Sources	Water Resources And Quality	Distances from the nearest point	Sanitation	Remarks
1.	Gatango	North Mathioya River. 4km inside Abardare forest	<p>Fine sand particles and forest leaves.</p> <p>Chemicals found in the water are acceptable to the WHO/KEBS standards.</p> <p>Biological analysis indicate 4MPN at the intake</p>	4 km	None	No treatment works. Constant pipeline blockages and meter blockages. To minimize the blockages, a sieve structure was installed at first Tank at Kairo Market 4km from the first consumer. Requires sedimentation tanks at the intake site.
2a.	Mathioya	Hembe a tributary of North Mathioya River. 1km from the Abardare forest edge	<p>Fine sand particles and forest leaves.</p> <p>Chemicals found in the water are acceptable to the WHO/KEBS standards.</p> <p>Biological analysis indicate 4MPN at the first consumer</p>	3km	None	Partial treatment done-chlorination. Converted the existing 800m ³ concrete tank into a sedimentation tank in order to settle most of the sand and forest leaves. Requires sedimentation tanks

2b.	Mathioya	Hembe	Good quality	5.5km Not functional		Part of Mathioya Water Supply which used to pump water to residents near the forest boundary. High costs of pumping lend to abandonment of the system and gravity system is in the way where an intake was constructed last year. Requires sedimentation tanks
3.	Proposed Gaturi Water Project	North Mathioya River. To be at Gitereki in Kiru Ward/Division.	Pollution is more than the one in the forest edge.	22km to the first consumer at Gakurwe	Non	The source to be in Mathioya district where water can gravitate to Gakurwe which is the first market in Gaturi and in the boundary of Mathioya and Gaturi. It is also the highest point in Gaturi hence water can flow by gravity in all areas.the river is not polluted

3.5.2 Gatanga Water company

	Water Supply Scheme	Water Sources	Water Resources And Quality	Distances from the nearest point	Sanitation	Remarks
1	Gatanga	two intakes Thika and	a)Thika River abstraction-	On average	Pit latrines and septic	Started in 1972 by the community, gravity.

	Water Supply Scheme	Water Sources	Water Resources And Quality	Distances from the nearest point	Sanitation	Remarks
	(AWSB)	Kimakia ; two boreholes Gathanji and Kiunyu.	<p>2000m³ per day.</p> <p>b)Kimakia River abstraction-3000m³ per day.</p> <p>c)Kiama forest abstraction-not in use.</p> <p>d)Kiunyu borehole-24m³ per hour-not fully utilized.</p> <p>e)Gathanji borehole-11m³ per hour.</p> <p>f)Kiawahiga - 20m³ per hour-not in use requirespower connection.</p> <p>g)Gakurari - 5m³ per hour not in use, requires power connection.</p> <p>Proposed water resources</p> <p>a)Kiama</p>	100m	tanks. No sewage system.	Serves upper areas of Gatanga. Supplies 189 km ² i.e. kihumbuini, Gatanga, Kigoro Divisions and parts of Kariara division.

	Water Supply Scheme	Water Sources	Water Resources And Quality	Distances from the nearest point	Sanitation	Remarks
			<p>lower sides - 1000m³ per day.</p> <p>b)Kimakia lower sides - 2000m³ per day.</p> <p>c)2 No. boreholes at Thuita and Kagongo in Kihumbuini.</p> <p>Quality: in the past, coliform levels were within WHO standards, but now the coliform count has gone up hence quality is questionable.</p>			
2	Construction of 2 No. Convectional water treatment works.		Two No. contact tanks required (capacity 450m ³) for chlorine dosing.			Works of capacity 4000m ³ per day has been forwarded to Athi water services board for funding.

3.5.3 Mathioya

	Water Supply Scheme	Water Sources	Water Resources And Quality	Distances from the nearest point	Sanitation	Remarks
	Kahuti (in kangema)	a)Phase I – from river Mathioya south (Tuthu) b)Phase II – from river Mathioya south (Rwathia) – c)Phase III – from river Mathioya south (Tuthu) – d)Phase IV – from river Maragua (Ichichi) – e)Total	Disinfected at source by chlorination for Tuthu phase (I) & (II) and phase (iv) while Rwathia source is subjected to full treatment.		No sewerage system but use septic tanks-20%, VIP toilets - 35%and local toilets -45%. An Exhauster is availed t by Tana Water Services Board at a fee.	a)4,000m ³ /day b)(Rwathia) – 8,500m ³ /day c) (Tuthu) – 3,500m ³ /day d) (Ichichi) 4,000 m ³ /day e)Total per day production 600,000m³/month
		Other water sources in Kangema include rivers: Maragua Mathioya South, Mukungai, Kayahwe, Boyo spring				

3.5.4 Murang'a South Water and Sanitation Company (Muswasco)

	Water Supply Scheme	Water Sources	Water Resources And Quality	Distances from the nearest point	Sanitation	Remarks
	Kandara water scheme	a)Thika River b)Kiriciungu river c)10 NO. Boreholes	Partially treated		VIPs latrines but no Sewerage	50% of people served
	Kigumo water supply	Irati river	Treated		VIPs latrines but no Sewerage	80% of people served
	MURANGA SOUTH a) Sabasaba water supply	1.Sabasaba river 2. Borehole	Treated	-more of Murang'a south gets water from the Kigumo water supply	VIPs latrines no Sewerage	20% of people served
	b) Maragua water supply		Partially treated	-Maragua town gets water from the Kigumo water supply Kenol gets from Kandara supply	VIPs latrines. no Sewerage	20% of people served

3.6 Mining

The county does not have mining activities except quarrying which is practised in some parts. Quarrying activities include: sand harvesting, excavation of building blocks and ballast and extraction of ball clay in Rurii, Kigetuini and Gakoigo. It is estimated that 42,900 tonnes of sand are harvested annually. The harvested ballast is estimated at 22,016 tonnes and hard core at 189,770 tonnes annually with 6,971 people involved. There is need to have a geologist for the county identify the potential of mineral resources in the county, map the mining zones and develop a mining guideline for Murang'a County.

3.7 Tourism

The main tourist attraction sites in the county are the *Aberdares* National Park and cultural heritage sites that have a rich history on the origins of the *Agikuyu* people. Such sites are at *Mukurwe wa Nyagathanga* and *Karia Ka Mbari ya Ngware*. Moreover, there are also ideal natural sites for hiking and camping at Rapid Camp, *Aberdare* cottages and sport and leisure fishing sites at *Kimakia* fishing grounds and *Ndakaini* Dam.

3.8 Wildlife

The main wildlife in the county are elephants which are the major source of human-wildlife conflicts especially in Mathioya and Kigumo constituencies. This is due to the constituencies' proximity to the *Aberdare* forest which forms the wildlife habitat. Other wildlife in the county is Columbus monkeys and their related species.

3.9 Environment

3.9.1 Major Contributors to Environmental Degradation

- Improper land use planning and Management
- Lack of town planning and uncontrolled development
- Encroachment and Destruction of wetlands and water catchment areas
- Poor waste management
- Loss of forest/tree cover
- Uncontrolled mining (sand harvesting, quarrying and extraction of ball clay)

3.9.2 Effects of Environment Degradation

- Landslides and mass wasting
- Blockage of water ways and sewerage system
- Water and land pollution
- Collapse of mining areas leading to deaths
- Unreliable rainfall patterns
- Invasion of new pests, diseases and weeds
- Soil, water and air pollution

- Drying up of rivers and waterbeds
- Flooding
- Soil erosion
- Congestion in towns and constrictions of access roads
- Incompatible and unsustainable development

3.9.3 Effects of Climate Change in the County

- Variation in weather patterns with reduced rainfall and failed seasons
- Frequent and prolonged droughts and diminishing water resources
- Floods/Flash floods and landslides
- Environmental degradation and habitat destruction
- Resurgence of weeds, diseases and pests
- Loss of biodiversity especially at the ecosystems which are fragile
- Severe famine and hunger causing food insecurity especially at the ASALs regions like Kambiti, Maragua Ridge, etc.
- Resource use conflicts e.g. Human/Wildlife Conflicts

3.9.4 Climate Change Adaptation Strategies and Mitigation Measures

These include prevention, tolerance, resilient, change of land use practices, relocation and initiating restoration of degraded environments in the County. Right policies and actions must be put in place across all sectors and deliberate investments and improved budget allocation towards environment management. This will provide holistic and collective response and synergy in order to maximise positive impacts. Adaptation strategies must involve community participation in environmental management activities because they must make appropriate adjustments in their livelihood approaches.

Mitigation measures are attained through the application of appropriate technologies, alternative approaches, available opportunities and strategies. These efforts will promote green economy and sustainable development. Coping mechanisms are sector specific allowing relevant and applicable interventions to be formulated and implemented. These include:

Forestry

Forest cover ensures carbon sink and sequestration while firming up soil thus preventing soil erosion. Tree planting is the most effective way of enhancing forest cover and reducing environmental degradation. The county has five indigenous gazetted forests covering a total area of 254.4 Km². They are: *Gatare, Karua, Kimakia, Kiambicho* and *Wanjerere* forests. These forests are divided into two zones; the tropical *montane* forest zone located along the Aberdare ranges and the semi-arid forest zone located in the lower parts of the county. There are also 204,557 farm forests which are privately owned plantations.

Water

The adaptive techniques developed and applied are either 'supply-side' or 'demand-side'. 'Supply-side' adaptive techniques involve changing structures, operating rules and institutional arrangements.

'Demand-side' adaptive techniques involve water demand management e.g. efficient irrigation, water pricing, and emphasis on conservation, awareness raising campaigns, policies and regulations to encourage efficient use of water.

The coping strategies include;

- Water re-use, recycling and avoid unsustainable uses.
- Low cost improved technologies
- Leak detections by water suppliers
- Constructed artificial wetlands, bogs and slow moving streams as low cost water treatment option.
- Integrated watershed planning and management.

Other specific coping strategies include:

Agriculture

- Diversification of crops to help cope with shifting rainfall patterns
- Farmers switch from regular crops to drought resistance/tolerant crops which requires less water
- Apply controlled irrigation to safeguard the excessive use of water resources thus reducing the amount of water available for other human uses and natural systems.
- Promotion of good farm practices e.g. use of efficient nitrogen fertilizers and increased yields.
- Use of alternative fuels such as bio-diesels, on-farm energy generation, etc.
- Reduced tillage systems
- Cover cropping
- Development of local markets.

Health

- Strengthening the public health institutions to cope with increased occurrence of climate change related diseases e.g. malaria, cholera among others.
- Intensifying public health campaigns and public participation on climate change related diseases.

Transport

- Constructions of road bypass fly-over and ring roads thus reducing traffic congestion and reduce high fuel usage/wastage as well as subsequent emission of GHGs.
- Good maintenance of road network to ensure high efficiency of vehicles and less emissions of GHGs.
- Adoption of mass public transport
- Improved telecommunication to reduce motor transport
- Timely tuning of vehicles to reduce emissions
- Use of non-motorized transport
- Enforcement of air quality regulations and standards

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Energy

- Diversification of energy supply such as electricity, wind, etc.
- Promote energy efficiency and conservation through using improved stoves at household levels.
- Biomass substitution using biogas
- Up-scale the exploitation of renewable energy sources
- Improving efficiency of water use and pricing
- Improving energy efficiency
- Switch to less carbon-intensive fossil fuels
- Increased use of low- and near-zero-carbon energy sources
- Sequestering CO₂ through the enhancement of natural and biological sinks
- Carbon dioxide capture and storage

Early warning data and information should be availed and disseminated in order to enhance preparedness. Disaster preparedness is critical in order to mitigate the effects which result to environmental disasters.

Promoting best environmental practices such as water harvesting, cleaner production technologies, ecological footprint, terracing for soil conservation and water retention also enhance crop yield and food security.

3.10 Industries

Murang'a County does not have big manufacturing industries. However there are several agro-processing factories as shown in the next table:

Industries/ Factories in Murang'a County by type and Sub County

Sub- Counties	Industry/ factory by Type						
	Tea	Coffee	Milk	Fruits	Nuts	Animal Feeds	Cottages
Kangema	1	15	2	0	0	0	
Mathioya	2	16					
Murang'a East	3	6			1		
Murang'a South	0	8		1	1	3	5
Gatanga	2	21	0	2	1	0	1
Kandara	1	34	1				
Kigumo	3	38					
Kahuro	1	23					

Total	13	161	3	3	3	3	6
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Source: County Development Planning Office, Murang'a- 2013

3.11 Challenges and Constraints

The major challenges experienced by government service providers towards fulfilling their mandates are;

- Limited financial resources to finance the activities set out in the annual work plan.
- Unavailability of spatial data due to cost of acquiring data or no records of the same exists.
- Format in which available data is in. data is available in analog format which is difficult to transform into digital format.
- Lack of modern planning equipments e.g. Modern planning software (GIS), plotters, scanners and high capacity computers.

3.12 Way Forward

Organization of the county space is first priority for sustained and equitable development. Land is a key resource and thus it must be planned to ensure optimum utilization whilst protecting the environment. Uncontrolled parceling (Land fragmentation) of land and unguided urban growth will eat into productive agricultural zones and expose the county to food deficiency hence net importer.

With devolution, the anticipated increase in population, investment and resource use must be guided. The department has and will continue to prepare Physical Development Plans to guide established urban areas and engage in a County Strategic/ Integrated spatial Plan. This will indicate zones and their appropriate land uses based on evaluated potential. Depending on availability of funding, the department is capable of completing two (2) Physical Development Plans for small to medium centers while one plan for municipality and townships can annually.

The office plans to complete Matunda Local Physical Development Plan, Chekalini Development Plan and Lugari Development Plan currently underway. Effort will also be placed to pursue approval of revised or newly prepared plans for approval as per the list of yet to be approved table.

3.13 Conclusion and Recommendations

Physical Planning is holistic process and so demands cooperation from all stakeholders. If this cooperation is extended to the department it would go a long way in ensuring timely fulfillment of its mandate and also public appreciation of the outcome. In order for to achieve the targets spatial plans and contribute fully to the realization of their objectives, the above mentioned constrains should be addressed by relevant stakeholders.

CHAPTER FOUR:

4 Linkages with other Plans

4.0 Introduction

This chapter discusses the County Integrated Development Plan linkages with the Kenya Vision 2030 and the Constitution of Kenya. The linkage of the County Development agenda with the Millennium Development Goals is highlighted.

4.1 Integrated Development Planning

Integrated development planning is a process through which efforts at national and devolved levels of government and other relevant public institutions are coordinated at local level, and through which economic, social, environmental, legal and spatial aspects of development are brought together to produce a plan that meets the need and aspirations of the citizens. The CIDP is the principal strategic planning instrument which guides and informs all planning, budgeting, management and decision making processes in a county.

4.2 Legislation on Integrated Planning in Kenya

4.2.1 The County Government Act 2012

County governments are required to prepare 5-year integrated county development plans and the annual county budgets to implement them according to the County Governments Act 2012. Under Section 102 of the Act, county planning is expected to provide a platform for unifying planning, budgeting, financing programmes, implementation, and performance review. A county planning unit shall be responsible for coordinated integrated development planning. In addition, county planning shall serve as a basis for engagement between county government and the citizenry, other stakeholders and interest groups.

According to the Act a county government shall plan for the county and no public funds shall be appropriated without a planning framework developed by the county executive committee and approved by the county assembly. It also states that the county planning framework shall integrate economic, physical, social, environmental and spatial planning. In addition to an integrated county development plan, each county is expected to have the following:

- i. A County Sectoral Plan;
- ii. A County Spatial Plan; and
- iii. A City and Urban Areas Plan.

These county plans (section 107(2)) “shall be the basis for all the budgeting and planning in a county”.

4.2.2 Public Finance Management Act (PFMA), 2012

The PFM Act 2012 provides for effective and efficient management of public resources. Section 125 of the Act requires the budget process for county governments in any financial year to consist of integrated development planning process which include long term and medium term planning as well

as financial and economic priorities for the county over the medium term. Section 126 of the Act further obligates each county government to prepare an integrated development plan that includes strategic priorities for the medium term that reflect the county government's priorities and plans, a description of how the county government is responding to changes in the financial and economic environment; and, programmes to be delivered.

4.2.4 Urban Areas and Cities Act, 2011

Urban Areas and Cities Act (2011) is also emphatic on the need for 5 year integrated development planning and the need to align annual budgeting to the plan. These plans are separate from those of the county. In section 36(2) it states that “an integrated urban or city development plan shall bind, guide, and inform all planning for development and decision-making and ensure comprehensive inclusion of functions.”

4.3 CDP Linkages with Kenya Vision 2030 and Medium Term Plans

Sessional Paper Number 10 of 2012 on Kenya Vision 2030 is the National Policy Economic Blueprint that entrenches Kenya Vision 2030 as the long term development strategy for Kenya. The Kenya Vision 2030 aims to transform Kenya into a modern, globally competitive, middle income country providing a high quality of life to all its citizens. Kenya Vision 2030 is a product of highly participatory, consultative and inclusive stakeholder's process conducted throughout the country and in all sectors of the economy.

The Vision is anchored on three key pillars: economic; social; and political. The Economic Pillar aims to achieve an average Gross Domestic Product (GDP) growth rate of 10 per cent per annum and sustain the same till 2030 in order to generate more resources to reinvigorate the economy to meet its envisaged goals and aspirations. The key sectors in this pillar include: tourism, agriculture and livestock, manufacturing, wholesale and retail trade, Business Process Outsourcing (BPO) and financial services. A seventh sector, oil and mineral resources, has now been added taking cognizance of the recent related developments.

The Social Pillar seeks to build a just and cohesive society with social equity in a clean and secure environment. The main sectors under this pillar include education and training, health, water and irrigation, environment, housing and urbanization, gender, sports, youth and culture.

The Political Pillar aims at realizing a democratic political system founded on issue based politics that respect the rule of law, and protects the fundamental rights and freedoms of every individual in the Kenyan society.

The three pillars are anchored on a number of foundations which serve as enablers that create an environment that is geared towards the realization of Vision 2030. These include: macroeconomic stability; continuity in governance reforms; enhanced equity and wealth creation opportunities for the poor; infrastructure; energy; Science, Technology and Innovation; Land Reforms; Human Resource Development; Security and Public Sector Reforms. An additional enabler, national values and ethics, has been included following the passing of the Constitution of Kenya 2010.

The Kenya Vision 2030 is designed to be implemented in successive five year Medium Term Plans. The first plan covered the period 2008-2012. The current Medium Term Plan (MTP 2013-17) is the second in a series of successive 5-year plans under which the Kenya Vision 2030 is to be implemented. The second MTP 2013-2017 draws on lessons learnt in implementing the first MTP. It seeks to implement the flagship projects identified under Vision 2030 over the five year period

together with incomplete flagship and other projects and programmes in the previous Medium Term plan. It will also take due cognizance of the devolved structure of government following promulgation of the Constitution of Kenya 2010 and recent discovery of oil and mineral resources.

The broad key priority areas which will be the focus of the Second MTP include: employment creation; development of human resource through expansion and improvement in quality education, health and other social services; reducing the dependence of the economy on rain fed agriculture through expansion of irrigation; higher investment in alternative and green sources of energy; improving the economy's competitiveness through increased investment and modernization of infrastructure; increasing the ratio of saving, investment and exports to GDP; implementation of key Kenya Vision 2030 Flagship projects including development of LAPSSSET Corridor; improving national security; promoting national values and ethics; and continue implementing the Constitution including devolution.

County Government Act, 2012, stipulates that county government shall plan for the county and no public funds shall be appropriated outside a planning framework developed by the County Executive Committee and approved by the County Assembly. This Act along with the Public Financial Management Act, 2012, therefore calls for preparation of a County Integrated Development Plans (CIDPs) which must be aligned to the National Development Plan. In view of this, County Integrated Development Plans and other plans provided in the County Government Act will be aligned to Kenya Vision 2030 and the Medium Term Plan 2013-2017. As such CIDPs will provide the essential linkages of the National and County Governments by facilitating the implementation of Vision 2030 flagship projects as well as other projects and programmes that will ensure implementation of Kenya Vision 2030 at both levels of Government.

County governments therefore must embrace the Kenya Vision 2030 and Medium Term Plans during preparation of county development plans. In particular, they are envisaged to support implementation of Vision 2030 flagship projects that may be domiciled in or cut across the counties. In addition, counties will need to identify specific projects and programmes for implementation over the medium term period towards achievement of the Kenya Vision 2030 and MDG goals.

The County Development Profiles form the basis for county planning and development process by providing the requisite benchmarks and information required for preparation of the CIDPs.

4.4 CDP Linkages with the Constitution of Kenya, 2010

The Constitution of Kenya (2010) prescribes national values and principles of governance which include sharing and devolution of power. It creates a two-tier government: a national government and 47 county governments. The Fourth Schedule delineates the functions of the national and county governments.

A total of 14 functions have been devolved to the counties. The main ones include: county planning and development; agriculture; county health services; control of air pollution, noise pollution, other public nuisances and outdoor advertising; cultural activities, public entertainment and public amenities; county roads and transport; animal control and welfare; trade development and regulation; pre-primary education and village polytechnics; specific national government policies on natural resources and environmental conservation; county public works and services; fire fighting services and disaster management; and, control of drugs and pornography. Emphasis is also made for the counties to ensure participatory development and capacities are developed at the county and community level.

Five laws which provide the framework for devolution have been enacted, namely: Urban Areas and Cities Act, 2011; The County Governments Act, 2012; The Transition to Devolved Government Act, 2012; The Intergovernmental Relations Act, 2012 and The Public Finance Management Act, 2012.

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

The County Governments are composed of the County Executive Committee and County Assemblies. The County Executive Committee is expected to supervise the administration and delivery of services to citizens as well as conceptualize and implement policies and county legislation. The County Assembly is a legislative organ and will play an oversight role on all County public institutions including the urban areas and cities. The County Governments are required to prepare the County Integrated Development Plans to enable prioritization of socio-economic development issues at the local level. This is mandatory before the funding of county projects and programmes.

The County Development Profile seeks to provide the baseline information which will guide the execution of the foregoing functions.

4.5 Implementation of the Millennium Development Goals at the County Level

The Millennium Development Goals (MDGs) are internationally accepted standards for measuring progress towards poverty alleviation. They were agreed upon at the UN Millennium Summit in 2000 where world leaders made and adopted a declaration to free *all men, women and children from the abject and dehumanizing conditions of extreme poverty*'. The eight MDGs to be met by 2015 are drawn from this declaration.

The eight MDGs have time-bound targets and indicators for measuring progress in the areas of: poverty alleviation, education, gender equality and empowerment of women, child and maternal health, reducing HIV/AIDS and communicable diseases, environmental sustainability, and building a Global Partnership for Development.

Kenya is one of the signatories to the Declaration and is committed to achieve the MDGs. The MDGs based planning in Kenya was launched in 2004. The Vision 2030 and its first Medium Term Plan (MTP 2008-2012) fully incorporated the MDGs. This commitment has resulted in commendable progress in achieving a number of these goals though some are still facing challenges. As we pursue development agenda at the county level, we need to fast track the achievement of these goals.

With only two years to the end of the MDGs period, a group of world leaders appointed by the UN Secretary General are working together to find the best way to tackle global agenda on development after 2015. The post 2015 agenda will have shared responsibilities for all countries and with the fight against poverty and sustainable development at its core. This agenda will be cascaded in the Medium Term Plans and County Integrated Development Plans in order to build upon commitments already made and contribute to the acceleration of achievement of the targets both at the national and county levels.

4.5.1 Status of implementation of MDGs at the county level

The Millennium Development Goals (MDGs) are being implemented at the county level by the various public and private sector. The government channels grants to the grassroots which include CDF, LATFs, CDTF, the Bursary Funds, Orphans & Vulnerable Children cash transfer, Cash Transfer for older persons, Poverty Eradication Fund,

TOWA Funds, Youth and Women's Enterprise Development Funds among others to core MDGs sectors in the county such as Education, Health and Water to aid in attaining these goals. The status of implementation of the eight goals is indicated below:

i) Goal 1: Eradicate extreme poverty and hunger

The percentage of people living below poverty line has been on a rising trend due to frequent natural calamities, high inflation rates and poor infrastructure and adverse climatic conditions. The county's poverty rate stands at 36 per cent of population living below a dollar a day. Though this is higher than the national target of 21.5%, it is lower than the national average which stands at 45.9 per cent. The high poverty level could be attributed to high rate of unemployment level which stands at 54.8 per cent of the total labour force. This high rate is attributed to lack of employment opportunities since there are very few industries in the county to absorb the existing large labour force. However, though poverty levels are high, the county is food secure with a malnutrition rate of 5%, which is relatively low compared to the national average of 20.9% compared to a national target of 16.2%. In order to fight poverty in the county there is need for more initiatives towards job creation and resilient alternative livelihood like agro processing.

ii) Goal 2: Achieve Universal Primary Education

The net primary school enrolment rate in the county is 93.85 per cent whereas the completion rate stands at 97.13 per cent. Though these percentages are above the national levels of 92.5 per cent enrolment and 91.2 per cent completion, the net enrolment can however be increased further if mandatory primary school education is enforced. The literacy rate in the county stands at 78 per cent, which is lower than the national average of 79.5 per cent. This indicates that there is need to provide for adult education in order to attain the national target of 100 per cent.

iii) Goal 3: Promote Gender Equality and Empower Women

The proportion of girls to boys in both primary and secondary schools in the county is 0.98:1 and 0.97:1 respectively. This portends that the difference is minimal. The share of women in wage employment in the non-agriculture sector stands at 33.9 per cent. This means that the men are more engaged in employment in the non-agricultural sector.

iv) Goal 4: Reduce Child Mortality

Infant mortality rate stands at 31 per 1000 live births against a national average of 52 per 1000 live births. The mortality rate for children under five is 59 per 1,000 live births against the national average of 74 per 1,000 live births. Whereas these rates are lower than the national averages, they are still higher than the county targets of 21 per 1000 live births for infant mortality and 33 per 1000 live births for the under five mortality. This rate can however, be reduced further if home deliveries are reduced so that they can be attended to by skilled personnel at medical facilities.

v) Goal 5: Improve Maternal Health

The maternal mortality rate in the county stands at 350 per 100,000 live births compared to the national average of 488 per 100,000 live births. This rate can be attributed to a high rate of antenatal care coverage in the county which stands at 84 per cent against a target of 90 per cent. Whereas the county figure may be lower than the national figure, it is still far below the national target of 147 per 100,000 live births.

The proportion of births attended to by skilled personnel in the county stands at 61.6 per cent while the national average stands at 43.3 per cent against a target of 90 per cent. This indicates a significant gap in meeting the national target. There is therefore need to train community health workers in attending to home deliveries in order to also minimize the maternal mortality rate.

The contraceptive prevalence rate in the county stands at 73.4 per cent against the national figure of 45.5 per cent and surpasses the national target of 60 per cent. There is also a substantial unmet need for family planning which stands at 26.5 per cent. Whereas, it may not be the sole reason for the low population growth rate in the county, the high uptake of contraceptive use in the county has contributed to the slow population growth rate.

vi) Goal 6: Combat HIV and AIDS, Malaria and Other Diseases

The county population aged 15-24 years with comprehensive correct knowledge of HIV/AIDs stands at 90 per cent and this can explain the low HIV/AIDs prevalence of 2.4 per cent against a national target of less than 2 per cent within the same age group. Those with advanced HIV/AIDS infection and with access to antiretroviral drugs stand at 42.2 per cent.

Incidences and death rates associated with malaria stands at 0 per cent in the county against the national average of 31 per cent whereas the proportion of Tuberculosis cases detected and cured under directly observed treatment short course (DOTS) stands at 86.6 per cent against a national figure of 85.43 per cent.

vii) Goal 7: Ensure Environmental Sustainability

The county has a recorded forest cover of 11.6% which surpasses the minimum internationally agreed target of 10 per cent. This can be attributed to many programmes on afforestation and agro forestry that have been initiated in the county for a number of years. However, there is severe threat of massive deforestation arising from huge demand for wood fuel from the many tea factories in the county.

The proportion of population using an improved drinking water source in the county is 60 per cent as compared to the national figure of 60.2 per cent. There is however, potential to attain the national target of 75 per cent if additional resources were allocated for community water supply projects.

The proportion of population in the county using an improved sanitation facility is 99.7 per cent way above the national average of 82 per cent and the national target of 96 per cent.

viii) Goal 8: Develop A Global Partnership for Development

The goal deals with how the county relates with the global environment. This is evidenced by the many international NGOs and other development agencies operating in the county which include Save the Children International, World Vision, VSF, Oxfam, Mercy corps, and WFP. These NGO's and development agencies have continued to partner with government departments to accelerate

development in health, education sectors and livestock sub-sector. With the current trends it is unlikely that the target will be met by the year 2015.

CHAPTER FIVE:

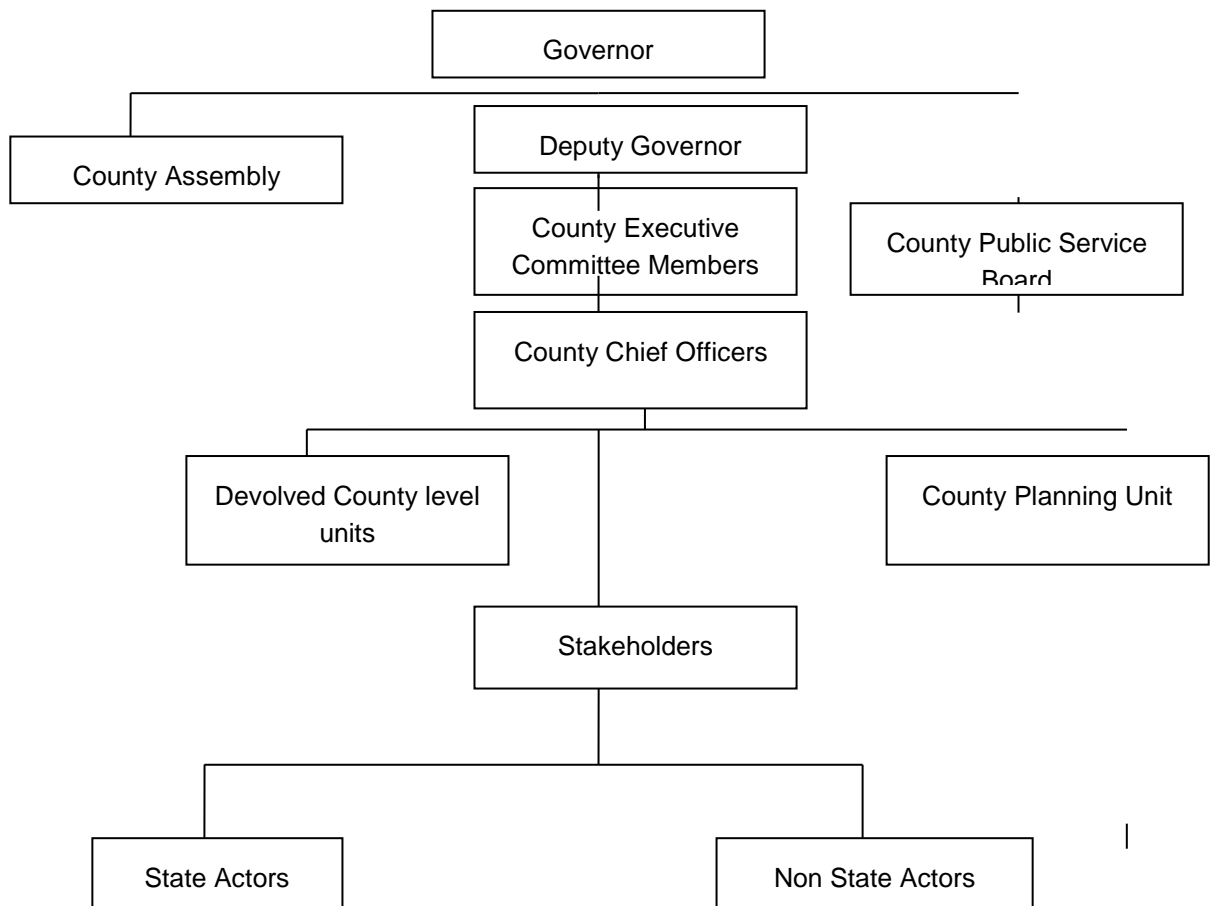
5 Implementation Framework

5.0 Introduction

The chapter outlines the institutional framework and organizational flow that will be followed in implementing the plan. It also outlines the stakeholders in the County, and the roles that they play and how their functions are accommodated to avoid duplication of efforts.

5.1 Organizational Flow

The chapter outlines the institutional framework and organizational flow that will be followed in implementing the plan. It also outlines the stakeholders in the County, and the roles that they play and how their functions are accommodated to avoid duplication of efforts.



Governor: The county governor and the deputy county governor are the chief executive and deputy chief executive of the county respectively. The Governor will provide:

- (i) Leadership in the county's governance and development.
- (ii) Leadership to the county executive committee and administration based on the county policies and plans.
- (iii) Promote democracy, good governance, unity and cohesion within the county.
- (iv) Promote peace and order within the count.
- (v) Promote the competitiveness of the county.
- (vi) Accountable for the management and use of the county resources while promoting and facilitating citizen participation in the development of policies and plans, and delivery of services in the county.

The county assembly shall:

- (i) Vet and approve nominees for appointment to county public offices as may be provided for in this Act or any other law;
- (ii) Perform the roles set out under Article 185 of the Constitution;
- (iii) Approve the budget and expenditure of the county government in accordance with Article 207 of the Constitution, and the legislation contemplated in Article 220 (2) of the Constitution, guided by Articles 201 and 203 of the Constitution;
- (iv) Approve the borrowing by the county government in accordance with Article 212 of the Constitution;
- (v) Approve county development planning

County Executive Committee shall:

- (i) Supervise the administration and delivery of services in the county and all decentralized units and agencies in the county;
- (ii) Perform any other functions conferred on it by the Constitution or national legislation;
- (iii) Carry out any function incidental to any of the assigned functions.
- (iv) In the performance of its functions, a county executive committee shall have power to determine its own programme of activities and every member of the committee shall observe integrity and disclosure of interest in any matter before the committee

County Chief Officers are responsible to the respective county executive committee members for the administration of a county department and are the authorized officers in respect of exercise of delegated power.

County Treasury: Is responsible for developing and implementing financial and economic policies in the county; preparing the annual budget for the county and coordinating the preparation of estimates of revenue and expenditure of the county government; coordinating the implementation of the budget of the county government; mobilizing resources for funding the budgetary requirements of the county government and putting in place mechanisms to raise revenue and resources; managing the county government's public debt and other obligations and developing a framework of debt control for the county.

The County Treasury is also supposed to consolidate the annual appropriation accounts and other financial statements of the county government in a format determined by the Accounting Standards Board; acting as custodian of the inventory of the county government's assets except where provided otherwise by other legislation or the Constitution; ensuring compliance with accounting standards prescribed and published by the Accounting Standards Board from time to time; ensuring proper

management and control of, and accounting for the finances of the county government and its entities in order to promote efficient and effective use of the county's budgetary resources; maintaining proper accounts and other records in respect of the County Revenue Fund, the County Emergencies Fund and other public funds administered by the county government; monitoring the county government's entities to ensure compliance with PFM Act 2012 and effective management of their funds, efficiency and transparency and, in particular, and proper accountability for the expenditure of those funds.

In addition, the County Treasury should assist county government entities in developing their capacity for efficient, effective and transparent financial management, upon request; providing the National Treasury with information which it may require to carry out its responsibilities under the Constitution and the PFM Act 2012; issuing circulars with respect to financial matters relating to county government entities; advising the county government entities, the County Executive Committee and the county assembly on financial matters; strengthening financial and fiscal relations between the national government and county governments in performing their functions; reporting regularly to the county assembly on the implementation of the annual county budget; and taking any other action to further the implementation of the PFM Act 2012 in relation to the county.

Devolved County Level Units: The devolved units are responsible for the development of policies and plans; service delivery; developmental activities to empower the community; the provision and maintenance of infrastructure and facilities of public services and facilitation and coordination of citizen participation in the development of policies and plans and delivery of services.

County Planning Unit: The County Planning Unit shall;

- (i) Coordinate integrated development planning in the county
- (ii) Ensure integrated planning within the county
- (iii) Ensuring linkages between county plans and the national planning framework
- (iv) Ensuring meaningful engagement of citizens in the planning process
- (v) Ensuring the establishment of a GIS based database system

Stakeholders: Are responsible for prioritizing county programmes and projects while ensuring sustainability and ownership. They may also fund programmes and projects. Citizen participation in the development and implementation of policies is mandatory. The county government should ensure that the citizens have timely access to information, data, documents, and other information relevant or related to policy formulation and implementation.

Devolved County Level Units: The units are responsible for policy formulation, guidance, service provision and enforcement of rules and regulations. The units are also responsible for prioritizing in their operational areas.

5.2 Stakeholders in the County

Stakeholder	Roles
Agro-chemicals and seed companies	Farm trials, trainings, supply of chemicals, seed distribution
Cabinet office	Ensure quality and timely approval of policies
CDF	Provision of funds, promotion of services to community
County governments	Promotion of investments and improvement and maintenance of infrastructure
Farmers	Participate and get involve in conservation of environment and water. Application of technology
Financial institutions/ Private sector	Provision of mortgages for development of housing units; Provide finances for development of houses.
Government agencies	Provide policy direction, financing, supervision and implement programmes; Classification of roads and laying of infrastructure; Provision of extension and advisory services to stakeholders; Regulation and safeguard rights of employees; Provide loans to traders
KEBS	Products quality control
KEFRI	Conduct research and disseminate finding to other stakeholders
Kenya Dairy Board	Regulation of milk marketing
Kenya National Bureau of Statistics (KNBS)	Collection and dissemination of consumable data for planning purposes
KFS	Regulate and protect the forests; Provide training to farmers; Raising of seedlings and distribution to farmers in addition to planting of trees; Maintain roads with their area of jurisdiction.
KIE, KTB	Provide funding for infrastructural development and Implement projects in this sector.
KIRDI	Research and Technology transfer

KWS	Regulation of wildlife service subsector; Protection of wildlife; Maintain roads with their area of jurisdiction.
Local community	Identify needs and prioritise them; Ownership and provision of security to the infrastructure
Micro-Finance Institutions	Provision of credit
National Aids Control Council	Provide policy guidance on halting and the reversing the spread of HIV/AIDS; Support OVCs and People Living with HIV/AIDS
National Council for Persons with Disability	Enhance capacity of disabled person's organizations, institutions and individuals; Support educational institutions for physically challenged
NEMA	Enforcement of environmental laws and regulations
NGOs, CBOs, FBOs	Capacity building of farmers in project planning and management and technical training; Assist in provision of tree seedlings to farmers; Assist in environmental conservation.
Parliament	Formulation and passage of sector laws & policies, provision of conducive legal environment
Private Sector	Investment in hotels and industries; Finance, provision of services financing infrastructure
Research stations	Promotion of new technologies & trainings, soil testing, Livestock and crop research
SMEs	Uptake of business opportunities
Stockists	Provision of quality farm-inputs
Trade unions	Promotion of sound HR management & Development and welfare of workers; Champion the rights of employees;
Transport Service Providers	Provide public transport services to all stakeholders
WARMA	Regulate use of water resources

Water service providers	Providing clean drinking water to the population; Maintenance of water supplies system.
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CHAPTER SIX:

6 Resource Mobilization Framework

6.0 Introduction

Without adequate financial resources to finance both development and operational expenditure a county cannot deliver on its mandates. This chapter contains a budget projection required for managing Murang'a county government. It also indicates the resources that are available for capital projects development; strategies for raising revenue; and their projections for the plan period. In addition, strategies for asset management, financial management, and capital financing are included. This includes, but not limited to, strategies to expand the revenue generation, resource sharing with the central government, means of attracting external funding.

6.1 Capital Projects Funding

The County Government Act 2012 obligates the county government by to ensure harmony of the integrated development plan with the national plans, and other sub-county plans such sectoral plan, spatial plans and urban and city plans which are located in the county.

Capital project funding will be done through annual budgetary allocation as a per centage that does not fall below 30% of the total expenditure, loan financing, leases, and public private partnership. Section 18 (1) of private public partnership act (2013), provides that a contracting authority that intends to finance, operate, equip or maintain an infrastructure facility or provide a service may enter into a project agreement with any qualified private party for the financing, construction, operation, equipping or maintenance of the infrastructure or development facility or provision of the service of the Government as long as approval is sought from the cabinet secretary.

Project identification and prioritization will be undertaken within the framework of PFM Act and County Government Act, below is a projection of the cash available for capital project within the next five years assessed at 30% of total revenue.

Particulars	2013/14	2014/15	2015/16	2016/17	2017/18
Local Revenue	1,300,000,000.00	1,560,000,000.00	1,872,000,000.00	2,246,400,000.00	2,695,680,000.00
Central Government Allocation	3,917,437,529.00	4,113,309,405.00	4,318,974,876.00	4,534,923,620.00	4,761,669,800.00
Total Revenue Available	5,217,437,529.00	5,673,309,405.00	6,190,974,876.00	6,781,323,620.00	7,457,349,800.00

Total Available for Projects	1,565,231,258.70	1,701,992,821.50	1,857,292,462.80	2,034,397,086.00	2,237,204,940.00
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Source: County Government Budget Estimates 2013 (up to 2013/2014)

6.2 Strategies for Raising Revenue

The Kenya Government is increasingly constrained in mobilizing the required financial and technical resources to cope with the rising demand for development projects and provision of services. Rapid population growth has compounded the pressure on the existing infrastructure and other services hence the need for the county government to develop strategies to raise more revenue. The County Government shall use the following strategies.

(a) Local Revenue

The county intends to carry out a comprehensive study that will among other things rationalize the existing traditional revenues as previously was being collected by defunct local authorities, come up with new sources as guided by the now expanded mandates and develop more IT enabled systems to seal leakages. A performance based system is also being implemented to make revenue collectors more accountable. These measures are expected to grow local revenue at an average of 20% within the next five years while at the same time ensuring the principle of equity, certainty and ease of collection are observed.

Particulars	2013/14	2014/15	2015/16	2016/17	2017/18
Local Revenue	1,300,000,000.00	1,560,000,000.00	1,872,000,000.00	2,246,400,000.00	2,695,680,000.00

(b) Central Government funding

Based on the Commission on Revenue Allocation, County Government of Murang'a is expected to receive Kshs.4,321,883,032.00 for the FY 2013/14. This allocation has been arrived at based on the county population (45%), poverty index (20%), land area (8%) basic equal share (25%) and fiscal responsibility (2%). The allocation is expected to gradually increase as more functions are transferred to counties from the central Government. Prudent public resource management as stipulated in the PFM Act 2012 will determine the amount the county receives in future on fiscal responsibility.

The budget process for county governments consists of an integrated development planning process, which include both long term and medium term planning. The integrated plan establishes financial and economic priorities for the county over the medium term and makes an overall estimation of the county government's revenues and expenditures.

For projection purposes central Government are projected to grow by at least 5% per annum.

Particulars	2013/14	2014/15	2015/16	2016/17	2017/18
Central Government	3,917,437,529.00	4,113,309,405.00	4,318,974,876.00	4,534,923,620.00	4,761,660,000.00

Allocation					
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(c) Development Partners financing

In realization of the critical need to mobilize resources from development partners and other stakeholders the county has put in place a department to spearhead this crucial task. Direct grants, asset financing models public private partnerships, and low interest loans are all being considered. There are also plans to undertake reasonable infrastructural development in the County so as to attract private investors.

6.3 Assets and Financial Management

Section 153(1) of the PFM act provides for management of assets in a manner that is responsible so as to ensure that a county Government achieves value for money in acquiring, using or disposing those assets. In compliance, an asset identification study is underway that will involve listing, verification of ownership, valuation of the said asset and compilation of a register. The asset register will be managed using ICT. Regular repair and maintenance will be carried out to extend their useful life in addition to regular verification.

The National Treasury is expected to design and prescribe an efficient financial management system for the national and county governments to ensure transparent financial management and standard financial reporting as contemplated by Article 226 of the Constitution. The County Treasury, subject to the Constitution, will monitor, evaluate and oversee the management of public finances and economic affairs of the county government including developing and implementing financial and economic policies in the county; preparing the annual budget for the county and coordinating the preparation of estimates of revenue and expenditure of the county government; coordinating the implementation of the budget of the county government; mobilizing resources for funding the budgetary requirements of the county government and putting in place mechanisms to raise revenue and resources.

The County Treasury will also ensure compliance with accounting standards prescribed and published by the Accounting Standards Board from time to time. It will also ensure proper management and control of, and accounting for the finances of the county government and its entities in order to promote efficient and effective use of the county's budgetary resources.

CHAPTER SEVEN:

7 Development Priority Programmes and Projects

7.0 Introduction

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

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

For each of the MTEF sectors, the national sector vision and mission are stated. In addition, the county's response to the sector vision and mission and the role of the stakeholders are explained. Finally, the short term and medium term priorities identified during the second Medium Term Plan (2013-2017) county consultations are presented as new proposals. Cross Cutting issues in each sector are also included.

7.1 Agriculture and Rural Development

This is one of the main sectors in the county. It comprises of the following sub-sectors in the county: Agriculture, Livestock Development, Cooperative Development and Marketing, Lands, Fisheries Development, Forestry and Wildlife, and related Research and Development.

7.1.1 Sector Vision and mission

Vision

An innovative, commercially-oriented and modern Agriculture and Rural Development sector

Mission

To improve livelihoods of Kenyans through promotion of competitive agriculture, sustainable livestock and fisheries sub-sectors, growth of a viable cooperatives sub-sector, equitable distributions and sustainable management of land resources and sustainable management of forestry and wildlife resources.

7.1.2 County Response to the Sector Vision and Mission

In response to sector vision and mission the county will continue to create an enabling environment for agricultural and rural development through review of existing policy framework, promotion of market and product development, facilitating increased productivity and improved agricultural outputs, and promoting development of livestock production and fisheries. The county through extension services is also striving to control vector and livestock diseases through promotion and application of environmentally friendly products. The living standards of small-scale farmers are improved through the formation and strengthening of co-operative societies to assist in marketing of both agricultural and livestock products. Extension services have been scaled-up to equip farmers with knowledge to enable them to maximize their output, improve storage to reduce post-harvest losses, value addition and soil conservation. Transfer of technology from research institutions is being passed on to farmers to boost their production in agriculture and livestock. Economical and sustainable use of land resources is encouraged.

7.1.3 The Role of Stakeholders in the Sector

The following are the stakeholders in the sector

Stakeholder	Roles
Agro-chemicals and seed companies	Farm trials, trainings, supply of chemicals, seed distribution
Research stations	Promotion of new technologies & trainings, soil testing
Faith Based Organizations	Trainings, provision of planting inputs
Micro-Finance Institutions	Provision of credit
Government Departments	Government provides overall policy direction and an enabling environment various departments help in mobilization, service delivery, trainings, enforcement
NGOs	Involved in capacity building and financial assistance
CDF	Provision of funds, promotion of services to community
Stockists	Provision of quality farm-inputs
Farmers	Application of technology

7.1.4 Sector resources, constraints, achievements and strategies

Prorities	Resources	Development Constraints	Previous Development Achievements	Development Strategies
•	<ul style="list-style-type: none"> Numerous rivers, water pans, dams, Human resources Favourable climate, Agro-processing factories. (coffee, tea , nuts among others), animal feeds, milk processing, forests, livestock, New technologies (green houses), Existence of co-operatives and associations such as the Maragua Horticulture Farmers' Co-operative and Maragua Banana Association. High population of 200,000 dairy cattle. Gakoigo stakeholders' show Fish farming - water is available for fish ponds; Fruit processing plant can be completed so as to realize its full potential; Availability of land for establishment of market centre; and Availability of Natural Resources. 	<ul style="list-style-type: none"> Poor road network, inadequate electricity connectivity, inadequate internet connectivity, poor marketing system, High cost of farm inputs, High cost of AI services, Land fragmentation, poor urban planning,/uneconomical land sizes, poor quality of breeding stock, poor value addition, Low investment in agriculture and agri- based industry. Coffee theft Over reliance on rain fed agriculture. Lack of disease and vector control program (anthrax, swine fever) Lack of disease control zones Decline of manpower in farms due to alcoholism and drug abuse by the youth; and Contamination of water sources hence food products having toxins. 	<ul style="list-style-type: none"> Introduction of drought tolerant crops, increased use of fertilizer, Diversification; Improved food security (subsidized fertilizer); Capacity building farmers; Milk cooling facilities; Private AI providers; Crop varieties which are disease tolerant; Technology to reduce soil acidity; Hatcheries; Technology shop for sale of TC bananas; Laboratories (soil testing, TC bananas); Increased dairy cattle population; Increase Dairy goats; AI services Improved Increase acreage of pasture land; Increase adoption of greenhouse farming; Increased demand of animal health services; 	<ul style="list-style-type: none"> Value addition, Timely delivery of subsidized farm inputs, increase investment in agriculture/agri-based industries, Improved technologies; improve infrastructures (ICT. Road network, electricity connectivity and reliability) Upgrading breeds (Cattle and Poultry) Modern agricultural technologies. Contract production Connect small scale farmers to the market and exploit the existing market proximity (Nyeri and Thika) Establish cold and dry storage. Introduce new cash crops such as sunflower and cotton Value addition for milk Pork, Poultry and beef processing – County Ranch Abattoir

7.1.5 Projects/ Programmes

The county has one flagship project and 33 other projects in the agriculture and rural development sector. There are no stalled projects in this sector. There are however, no outstanding projects but the county has 11 new projects.

(i) On-going Projects / Programmes:

Crop Production

Stalled Projects in Department of Crop Production

Project	Location	Objectives	Description of activities
Completion of Three sub County Agricultural Offices	Mathioya, Kahuro and Kigumo	Improved work environment, office facilities	Plastering,landscaping, windows ceilings,painting,flooring,furnishing
Rehabilitation of Old Kandara Ward/Sub County Agricultural Office	Kandara sub county headquarters	Improved work environment,	Painting and partitioning
Completion of Hostel and Operationalization of Thai village model demo farm and training centre	Gikindu,Kiharu sub county	Dry land training institution completed, FTC started and operationalised	Completion of hostels one floor and farm operatiolaised
Completion of Rice processing plant	Githuri/Kimathi ,Kiharu sub county	Promotion or rice farming	Build a warehouse and install mill
Suport to Mango processing plant	Gikindu,Kiharu	Promotion of mango value addition and production	Equipment bought and installed
Completion of Kagumoini horticulture horticulture grading shed	Kandara	Promotion of banana farming	Completion and fencing plus equipment
Completion of Grain drying and storage facility	Makuyu	Promotion of maize and control of aflatoxins	Warehouse built and tractor bought
Completion of Cassava value addition plant	Maragua Ridge	Promotion ofcassava production and value addition	Equipment bought and installed
Completion of Kamuhuha hoticultutal crops grading shed	Kamahuha in Maragua	Promotion of banana farming	Completion and fencing plus equipment
Completion of constituency water pans	County wide	Promotion of water harvesting for food security	Excavation and commissioning of community water dams

Proposed/New Projects

New project Location	Priority Ranking	Objectives	Targets	Description of activities
Soil analysis and biotechnology Laboratory (Kenyatta ATC in collaboration with Murang'a university)	1	Improve fertilizer use & information among farmers	1	Put up new facility
Agricultural mechanisation station started Gikindu (Kiharu)	1	Promote mecahanised farming	1	Tractors,harrows and seeders
Construction of New County Agricultural Offices (Kiharu Sub County SCAO office)	1	Work environment improved	1	Demolish existing sub county office and put modern 3 story facility for offices
Construction of New County Agricultural Offices (Kandara SCAO office)	2	Work environment improved	1	New building put up
3 in Gatanga 1 in Maragwa 3 in Kahuro 4 in Kigumo 2 in Kandara	2	Work environment improved	13	New building put up for new wards
Upgrading of ward offices 4 in Mathioya 2 in Maragua	2	Work environment improved	6	Rehabilitate existing offices
Development of Kenyatta ATC model farm (Kenyatta ATC)	1	Training of farmers in modern agriculture	1	Start new demo plots on perennials
Strategic Grain Reserve Depot (Maragua)	1	Improve food security	1	Lease NCPB store in Maragua. And procure food reserve on revolving fund basis
New mega water pans /dams (County wide)	1	Water harvesting and food security improved	8	Rehabilitate existing ones/ new ones
1.Rolling out of the Commercial irrigated horticulture (County wide) and 2.Traditional high value crops sector (Lower Zones)	1 1	Commercialised ware housing concept started	1	Grain centres done, and farmers capavity build
Processing of growing contracts with farmers	1	Agribusiness promoted	various	Capacity building and partnerships

based on commodities (County wide)				build
* Linking irrigation plan with crop production (County wide)	1	Agribusiness promoted	various	Partnership and capacity enhanced
*Establishment and streamlining of supply chain logistics for commodities (County wide)	1	Agribusiness promoted	2	Initiate cold chain storage & marketing facilities/sheds
Establishment of concepts for public private partnership in Crop production (County wide)	2	Agribusiness promoted	1	Legal framework in place. Partnership and capacity enhanced
Registration of public investment company to handle enterprise promotion in agro marketing (County wide)	1	To raise funds for investment	1	Registration of company and mobilization of communities
Vegetable canning factory (County wide)	1	Processing of vegetables promoted	1	Warehouse and equipment acquired
Value chain mapping for major crops/enterprises to enhance opportunities in agro marketing and production (County wide)	1	Agribusiness promoted	various	Capacity building of communities and partnerships enhanced
Banana value addition plant (Banana Growing Regions)	1	Processing of bananas promoted	1	Warehouse and equipment acquired
Support to County industrial parks initiative through raw material production and supply (County wide)	1	Production of raw materials for industry enhanced	1	Extension services enhanced. Farmers training enhanced
*Fruit(mango) processing plant (County wide)	2	Processing of mangoes/avocados and other fruits promoted	1	Warehouse and equipment acquired
Grain handling facility and food strategic reserve (County wide)	1	Grains production enhanced	1	Warehouse constructed
Development of agro brand for County products to enhance agro marketing and detailed	1	Agribusiness promoted	various	Brand developed and promoted

marketing strategy (County wide)				
Promote agro marketing structures for farmers (County wide)	1	Agribusiines/marketing promoted	11	Constructed sorting and grading shed
Development of Nitch marketing strategy for specific products to enhance agro marketing (County wide)	1	Agribusiines/marketing promoted	2	Marketing and adverting strategy and operationalised
Promotion of local and international standards compliance (KENYA GAP & GLOBALGAP) (County wide)	1	Export horticulture promoted	various	Staff and farmers capacity built. Co operative assisted to register marks of quality
Mango development programme Lower Murang'a	1	Support mango production	various	Support topworkinh and seeflings production
Grain Development programme (County wide)	1	Support promotion of grains for improved food security	8	Seed support and research promotion on grains and pulses
Macadamia Development programme (County wide)	1	Production and marketing promoted promoted	8	Research promotion on macadamia crop and seedling promoted
Coffee Development programme (County wide)	1	Carbon development program and mapping	8	Promote use of green products in coffee production,support seedling production and topworking programe

Flagship projects

Sub-Sector Projects

Sub-sector ObjectiveNo. 1 Enhanced accessibility of affordable input and credit to farmer.			
Project Name Location	Objective	Targets	Description of Activities
Farm input subsidy programme	Increase access to agricultural inputs	1.Number of beneficiaries accessing the inputs 1 bag @2000	
County agricultural development fund for innovation and food security support 2014-015/	Enhance food security and crop development	Fund established,Total credit amount accessible and granted to small scale producers	
Stabilization fund (Coffee)	Coffee development		
Coffee Development fund	Coffee development		
Nuts Development Fund	Nuts Development		
Tea Mgt Fund	Tea Development		

Sub-sector Objective no. 2: Create enabling environment for agricultural development			
Project Name Location	Objective	Targets	Description of Activities
Develop county legal and regulatory Frame work on coffee, Tea, General horticulture, Avocado, Macadamia.	Regulate the sub sectors to improve performance	No. of Finalised policy documents and bills	
Develop a concept paper for public private partnerships	Enhance private sector participation led economy	Frame work developed	
Register an Investment Company	Enhance public participation in wealth generation	company registered and number recruitment	

Sub-sector Objective 3: Increase agricultural productivity and outputs			
Project Name Location	Objective	Targets	Description of Activities
Agricultural shows and Exhibitions	Disseminate appropriate and new technologies to clients	No. of shows and exhibitions held Sub counties exhibitions	
Soil analysis and Biotechnology lab.	Improve agricultural productivity	Laboratory established	
Promotion of new and emerging Crop.	Improve agricultural productivity and food security	No. of emerging crops promoted. No of beneficiaries participated	
Integrated horticultural crops under irrigation(The Village Model)	Effient utilization of resource base to improve productivity	No. of horticultural crops integrated. No. of beneficiaries participating	
Support programme for Thai village model demonstration farm and training centre.	Disseminate appropriate technology and build capacity to the client Training fund	No of demos established No. of farmers trained	
Promotion of innovative extension services (Hybrid T&V).	Enhance effectiveness and efficiency in extension service delivery. (Farmers training and capacity development)	No. of farmers reached	
Promotion of Rice production.	Enhance food and nutritional security through diversification	Increase in area of area under rice Production per ha	
Establishment of central nurseries at Kenyatta ATC and Thai village farmer capacity centre.	Enhance access and availability of clean and quality planting materials.	No of nurseries established No of seedlings produced	
Support programme for Kenyatta ATC model demonstration farm and training centre.	Disseminate appropriate technology and build capacity to the client		
Agricultural mechanisation station	New station started at Thai village and equipment (Tractors, ploughs harrows,seeders bought)	No of tractors and other equipment bought	
Improvement of the banana value chain	Enhance productivity ,quality and profitability of the banana industry	Percentage increase in the marketable volumes Percentage increase in the hectarage under	2.4M

		Banana production No. banana processed products	
Improvement of the mango value chain	Enhance productivity, quality and profitability of the mango industry	Percentage increase in the marketable volumes Percentage increase in the hectarage under mango No. mango processed products	
Promotion of green house production technology	Enhance adoption of green house production technology	No. of farmers adopting the technology No. of beneficiaries participating Percentage increase in production and income from the technologies.	
Revitalization the avocado industry	Enhance productivity ,quality and profitability of the avocado industry	Percentage Increase in yield per tree Percentage increase in the volumes of marketable grades/class Percentage Increase in payment to producers per kg of produce delivered	
Completion of stalled constituency water pans pans10,000-40,000 Cubic		Improve food security in dry area	
Initiation of Mega >50,000 cubic meters		upscale food security through harvesting run off	
Promotion of Hydroponics in seed development	Enhance productivity and and disease control	No of units developed and number of farmers trained	
Promotion of Urban Agriculture technologies.(Establishment of kitchen gardening ,madara gardens,Hanging gardens and wet beds for promotion of nutrition)	Increased nutrition among families	No of Demonstration sites and farmers trained	
Promotion of energy conservation technologies (Kuni Mbili,Food warmers, Wood lots,Rocket jikos)	Environmental conservatiobn	No of installed units	

Sub-sector Objective No. 4: Promote market access and product development.			
Project Name Location	Objective	Targets	Description of Activities
Enhancing Agri business promotion	Promote shift from subsistence to commercial agriculture	Number of farmers with business plans, planned farms and engaging in commercial agriculture	
Construction of prototype market in every constituency	Enhance produce marketing in the county	Number of units done in constituencies whose markets not modern	
Establishment of strategic grain reserve.	Enhance food and nutritional security of the people of Muranga County	Tonnage of produce bought and sold	
Establishment of Kenya assembly market hub	Improve market access and income	Assembly market hub established No. of commodities assembled Volumes of commodities assembled	
Establish fruit processing, banana and vegetable canning factory	Enhance market access and product development	Factory established Types of fruits processed Volume of fruits processed	
Establish of horticulture produce processing plant (target export horticulture)	Enhance market access and product development	Plant established Types of horticultural crops processed Volume of horticultural crops processed	
Establish of coffee milling plant at Maragua	Increase return from coffee industry through value addition	Milling plant established Volume of coffee milled and marketed Percentage increase in returns to farmers	
Establish of Cooling storage plant facility.-10	Reduce post harvest losses through increased shelf life.	No of cooling plants established Volumes of produce stored	
Promote safe and responsible use of agrochemical (General MRL compliance)	Ensure food quality and safety Enhance environmental protection	No of producers trained and registered for compliance	

Integration of Traditional High Value Crops into warehousing(seed production)	Enhance access and availability of planting materials to farmers. Enhance income generation Enhance food and nutritional security through diversification	No. of completed warehouses Types of THVCs integrated No. of beneficiaries participating	
Spot rural access road repair and maintenances in horticultural zones	Improve market access	40 km rural access road rehabilitated	
Establishment of Kenyatta ATC Agro processing unit.	Building Promote entrepreneurship in agroprocessing through capacity	Agroprocessing unit establishment	
Establishment of rice processing unit (kiharu, gatanga, maragwa, Kigumo)	Enhance food and nutritional security through diversification	Rice mill established Volume of Rice milled	
Establishment of cottage banana processing plant for training of upcoming entrepreneurs at SabaSaba.	Enhance market access and product development	Factory unit established. Volume of banana commodity	
Cassava value addition plant maragua ridge	Enhance market access and product development	Value addition machine installed	
Establishment of Cottage Mango value addition centre Kiharu-One	Improve market access and income through home cottage approach in kahuro	A mango produce processing centre Volume of product made	
Establishment of agro processing incubation centre Kangema-1	Promote entrepreneurship in agro processing through capacity building and youth empowerment	Equipped incubation centre. No of youth trained No of enterprise Developed	
Promote of cottage sunflower production and establishment processing plant Maragua and Kigumo -2	Improve access to edible oil and byproducts for increased incomes	NO of farmers growing Processing Processing plant established Volume of oil extracted	
Completion of Gathaiti coffee pulping factory-Kahuro sub county.	Improved market access through value addition in coffee	Volume of coffee processed and marketed	
Establishment of growing contracts with buyers	Commodity marketing enhancement	Number of contracts signed	
Establishment of supply chain logistics for commodity promotion (Streamlining of supply of farm inputs network strategy)	Reduction of process costs and improved efficiency in input access and affordability	Strategy done and implemented	

Value chain mapping in key commodities in agriculture starting with vegetables/French beans and bananas, tea, coffee and other cash crops	Enhancing value chain functions and opportunity creation	Number of chains mapped	
Support to county industrial park initiative through raw material production	Enhanced value addition	linkages developed and Volume of produce supplied as raw materials	
Development of an agro based and detailed market strategy	Consolidation of market strategy	Strategy in place and implemented	
Develop a niche marketing plan for key high value crops	Develop segment approach	plan in place and implemented	

Sub-sector Objective no. 5: Promote sustainable land use and environmental conservation			
Project Name Location	Objective	Targets	Description of Activities
Promote and manage agroforestry farming systems	Protect the land resource base	Percentage increase in area under agro forestry	
Promote soil and water management	Promote sustainable land utilization	No. of catchments conserved	
Establish carbon trading projects	Sustainable utilization of natural resources Provide alternative income source	No of beneficiaries participating No. of Platforms Formed No. Carbon Units traded	

Sub-sector Objective No. 6: Enhance institution efficiency and effectiveness in implementation and service delivery.			
Project Name Location	Objective	Targets	Description of Activities
Construction and furnishing of office facilities.	Improved work place environment	CDA office CDA office furnished Completion-3 SCAO Construction 2 new SCAO offices New Ward Offices-16 wards	

Phase lifting of Kenyatta ATC	Improved work place environment	Rehabilitation of pavements and walk ways Construction of new hostel Construction of gate Rehabilitation of the dinning hall	
Completion of Thai village hostels	Improved work place environment	Completed hostel	
Provision of Transport Facilities,	Enhance extension service delivery through improve staff mobility	Vehicles- CDA and 3 SCAOs Motor cycles-100 units	
Integration of ICT in extension	Improved information access and dissemination of agricultural technologies	Procure 100 laptops	
Develop and retain a well trained human resource	Staff training and development	No.of staff trained and recruited	
Feasibility studies for all crops.(Crops Census)	Provide information for planning implimentationand tracking progress		

Irrigation sub sector

Sub-sector Objective1: To complete all the fifteen ongoing small holder irrigation projects and three projects that are fully designed in the next three years.			
Project Name Location	Objective	Targets	Description of Activities
Kimathi	Irrigation water supply to communities	Intake work, Water conveyance	
Thathawa	Irrigation water supply to communities	Intake work, Water conveyance	
Gikindu	Irrigation water supply to communities	Intake work, Water conveyance	
Gacharu	Irrigation water supply to communities	Intake work, Water conveyance	
Gaitega	Irrigation water supply to communities	Intake work, Water conveyance	
	Irrigation water supply to communities	Intake work, Water conveyance	
Nyanjigi	Irrigation water supply to communities	Intake work, Water conveyance	
	Irrigation water supply to communities	Intake work, Water conveyance	
Iharu	Irrigation water supply to communities	Intake work, Water conveyance	
	Irrigation water supply to communities	Intake work, Water conveyance	
Gatundu	Irrigation water supply to communities	Intake work, Water conveyance	
Boboti	Irrigation water supply to communities	Intake work, Water conveyance	
Ruchu	Irrigation water supply to communities	Intake work, Water conveyance	
Kibarabari	Irrigation water supply to communities	Intake work, Water conveyance	
Gikindu Kandabibi	Irrigation water supply to communities	Intake work, Water conveyance	
Mirichu Murika	Irrigation water supply to communities	Intake work, Water conveyance	
Riakomo	Irrigation water supply to communities	Intake work, Water conveyance	
Kamuiru	Irrigation water supply to communities	Intake work, Water conveyance	

Sub-sector Objective2: To undertake a detailed survey and design for all the twenty eight proposed irrigation projects within the next three years.

Sub-sector Objective2: To undertake a detailed survey and design for all the twenty eight proposed irrigation projects within the next three years.			
Project Name Location	Objective	Targets	Description of Activities
Kanyenyaini	detailed survey and design	Design documents	
Gacharaigu	detailed survey and design	Design documents	
Kaihi	detailed survey and design	Design documents	
Mithanga/ Gachogi	detailed survey and design	Design documents	
Mukurwe wa Nyagathanga	detailed survey and design	Design documents	
Mukurwe Mweru	detailed survey and design	Design documents	
Mirira	detailed survey and design	Design documents	
Kiangochi	detailed survey and design	Design documents	
Kiangage	detailed survey and design	Design documents	
Kamiraba	detailed survey and design	Design documents	
Mukigia	detailed survey and design	Design documents	
Kamukabi/Gatumbi/Gachocho	detailed survey and design	Design documents	
Mucika	detailed survey and design	Design documents	
Mugiki	detailed survey and design	Design documents	
Ajibika	detailed survey and design	Design documents	
Kioneki	detailed survey and design	Design documents	
Gakoe	detailed survey and design	Design documents	
Kiawanjumbi	detailed survey and design	Design documents	
Witeithie	detailed survey and design	Design documents	
Mbagiki	detailed survey and design	Design documents	
Gitiri	detailed survey and design	Design documents	

Gakima	detailed survey and design	Design documents	
Iria Kiriga	detailed survey and design	Design documents	
Gathwariga	detailed survey and design	Design documents	
Ndaka-ini Wanduhi	detailed survey and design	Design documents	
Kambiti area	detailed survey and design	Design documents	
Ikundu/Ititu	detailed survey and design	Design documents	

Environmental Protection, Water and Housing Sector

Projects Names Location	Priority ranking	Objectives	Targets	Description of activities
Mirichu –Murika Irrigation project.		To expand the project to serve Mugoiri, Githagara, Kiria, Gatundu locations.	Consultation for partnership for expansion	Expansion
Water Dam for Irrigation at Gatara.		To supply irrigation water to Murarandia, Mugoiri, Mbiri and Wangu.	1	Construction
Water Dam for Irrigation at upper Mathioya River		To supply water for irrigation to cover Kiru, Kamacharia and Gaturi.	1	Construction
Kimathi Irrigation project		To extend the project		Surveying and mapping
Gituri-Gaitega irrigation project		To extend the project		Piping
Gacharu-Muchungucha water project		To extend the project		Piping
Gitei water project		To extend the project		Piping
Kiamboka irrigation project				
Gikandu irrigation project		To extend the project		Piping
Thathawa Irrigation Project		To extend the project	To cover phase three	Piping
Gikindu Irrigation Project		To extend the project		Piping
Gakaki Irrigation Project		To extend the project		Piping and construction of reservoir tanks
Gachiragu Irrigation Project		To supply water for irrigation from Mathioya River at Gachiragu coffee factory to serve upper Gaturi		Startup (construction of intake and piping)

Wangu Irrigation Project		To supply water for irrigation to cover the entire Wangu ward		Startup (construction of intake and piping)
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Livestock

Subsector goal: To enhance food security and safety, generate incomes and create employment for county growth and socio-economic development.

Sub-sectoral Objective 1: Enhance food security and safety

Strategies:

- 1.1 Dairy breeding project at Mariira
- 1.2 Feed mill project
- 1.3 Hatching units' project
- 1.4 Pasture and Fodder project
- 1.5 Dairy Goat breeding project
- 1.6 Rabbit production project

Sub-sectoral Objective 2: Income generation

Strategies:

- 2.1 Milk coolers project
- 2.2 Milk processing plant
- 2.3 Pigs improvement project
- 2.4 Bee keeping project
- 2.5 Mutton and Chevon production
- 2.6 Emerging Livestock project

Sub-sector Objective 3: Employment creation

Strategies

- 3.1 Dairy cow ownership (One youth one cow) project
- 3.2 Livestock development fund project
- 3.3 Njaa Marufuku Murang'a Fund

Sub-sector Objective 4: Improved service delivery

Strategies

- 4.1 Office blocks construction
- 4.2 Vehicles Purchase
- 4.3 Motor cycles purchase
- 4.4 ICT Equipment purchase
- 4.5 Employ additional extension staff
- 4.6 Carry out Livestock census

Sub-Sector Projects

Sub-sector Objective1:Food security and safety			
Projects Location	Objective	Targets	Description OF Activity
Dairy breeding project	Increase population of high yielding dairy cows	Zero grazing unit established 200 dairy cows procured	
Feed Mill Project	Avail affordable quality animal feeds to farmers	1 Feed mill constructed 12000 tons of feeds produced per year	
Egg Hatching units (Incubator) project	Improved nutritional status of households	Increased population of indigenous birds by 20% 16 incubators procured	
Pasture and Fodder project	Avail high quality fodder and pasture	1000 acres of Pasture planted 1 tractor & its equipment acquired 24 Fodder bulking sites established 16Hydroponic units installed	
Dairy goat Breeding project	Increase dairy goat milk	Number of dairy goats to increased by 25% 2 processing plant installed	
Rabbit production project	Improve nutritional status of households	Increased population of rabbits by 100%	

Sub-sector Objective2: Income generation			
Projects	Specific objective	Indicators	Description of Activities
Milk coolers project	Bulking of dairy cattle milk	35 coolers installed	
Milk processing plant	Milk value addition	One milk processing plant operationalized	
Pig improvement project	Avail quality breeding stock to farmers	5000breeding stock procured	
Pig products Value addition pilot plant			
Bee keeping project	Exploit honey production potential	5000 hives per year acquired Additional 100tons refined honey produced Refinery operationalized	
Mutton and Chevon project	Increase mutton and Chevon production	5000 Dorpersheep and 5000 goats procured	
Emerging livestock project (Guinea fowls)	Youth and Vulnerables empowerment	350 groups keeping guinea fowls	
Emerging livestock products marketing			

Sub-sector Objective3 : Employment creation			
Projects	Objective	Targets	Description of Activites
Cow ownership (1 youth 1 cow)	Youth empowerment	105 improved dairy animals procured per year -75 zero grazing units constructed	
Livestock development fund	Credit access for resource poor	1000 resource poor farmers access credit every year	
(Livestock inputs grant fund)	Giving seed capital to vulnerables	70 groups accessing the fund	20M

Sub-sector Objective 4 : Improved service delivery			
Projects Location	Objective	Targets	Description of Activites
Office blocks	Effective administration services	9 office blocks	
Vehicles	Improved coverage of our clientele	10 vehicles	
Motor cycles	Improved coverage of our clientele	35 motor cycles	
ICT equipments	Enhanced e extension and data management	9 (computers, printers, smart phones, laptops, projectors, digital cameras)	
New extension staff	Improved farmer staff ratio from 1:	100new staff employed	
Staff training & Capacity building	Improved extension techniques	35 technical staff trained/capacity build	
Livestock extension Services	Effective and efficient technology transfer	3200 households reached Staff training, seminars, workshops, tours	
Livestock census	Validation and documentaion of livestock figures & technology	Comprehensive livestock database	
Publicity & Promotion			

Veterinary Sub Sector

Goal:

To provide high quality veterinary services in order to safeguard livestock and human health, improve livestock productivity; promote trade and industrial growth in a sustainable environment.

Objective 1: Control of Livestock Disease and Pests

Strategies:

- 1.1 Vaccination
- 1.2 Disease surveillance
- 1.3 Vector and pest control

Objective 2: Increase Livestock Productivity

Strategies

- 2.1 Upgrading livestock breeds
- 2.2 improving extension services
- 2.3 Enhance Inspectorate services

Objective 3: Improve access to market

Strategies

- 3.1 Quality livestock and livestock product assurance
- 3.2 Training of stakeholders
- 3.3 Value addition

Objective 4: Safeguarding human health

Strategies

- 4.1 Meat Inspectorate services
- 4.2 Environmental conservation
- 4.3 Control of zoonotic diseases

The following are the Projects/ Programmes in the veterinary sub- sector.

On-going Projects / Programmes:

Project Name Location	Objectives	Target	Description of Activities
Livestock vaccination campaign	Improve animal health and Productivity	Coverage 70% Against anthrax, blackquarter, foot and mouth, lumpy skin disease, rift valley fever, rabies	Two vaccination campaign per year county wide
Veterinary extension and inspectorate services	Improve animal health and Productivity by providing new technology	Inspect all the agro vets in the county; Offer advice to 80 % of the livestock farmers.	Recruitment of extension officer Procure vehicles and motorcycles Inspection of agro vets Inspection of AI centres Farm visits; Farmers' trainings and field days.
Veterinary Public Health	Safeguard human health Maintain high sanitary standards in slaughter facilities Meat Inspection	Inspect all meat consumed in the county Upgrade Makuyu and Muranga slaughter house to category A Upgrade Kangema slaughter house to category B	Inspect and licence all slaughter houses and meat carriers
Leather Development	Production of high quality hides and skins Curing of hides and skins Construction of a tannery	Improvement of grade 1 from 80% to 95 % Increase avenues of revenue generation	Training and licensing of flayers; Inspection and licensing of bandas and stores.

Sub-sector Objective1: livestock disease control			
Project Name Location	Objective	Targets	Description of Activities
Vaccination of livestock against diseases	Prevention of livestock diseases of economic importance	No. of animals vaccinated	
Tick control	Control tickborne diseases	No. of dips rehabilitated	
Tsetse control	Eradication of Tsetse and Control of trypanosomosis	No. of traps set No. of flies trapped Amount of pour-on used	
Poultry vaccination	Prevention of Newcastle disease	No. of indigenous chicken vaccinated	

Refurbishments and equipping of veterinary laboratories	Diagnosis of livestock diseases	No. operational laboratories	
Construction of veterinary offices at Mathioya, Gatanga, Kangema and Kigumo and refurbishment of offices at Kiharu, Kandara, Kahuro and Murang'a South.	Provide enabling working environment.	Number of offices built/refurbished	
Staff recruitment	Employ 10, Veterinary Officers, 40 Livestock Health Assistants, 30 support staff to improve service delivery for all programmes and projects	Number of staff recruited	

Sub-sector Objective2: Increase livestock productivity			
Project Name & Location	Objective	Targets	Description of Activities
AI Project	Upgrade dairy cattle breeds	No. of inseminations done	
Veterinary extension and inspectorate services (Includes purchase of equipment, vehicles and motor bikes).	Educating livestock farmers on best livestock keeping practices Quality assurance of inputs	No. of farm visits No. of agrovets and private veterinary practices visited and inspected.	

Sub-sector Objective3: Facilitate access to market			
Project Name & Location	Objective	Targets	Description of Activities
Veterinary public health	Upgrade slaughter houses at Murang'a town , Makuyu and Kangema Provision of meat inspectorate services	No. of upgraded slaughter houses No. of carcasses inspected	
Construction of pig and poultry slaughter houses in each subcounty	Availing of slaughter points closer to the livestock producers Promotion of piggery and poultry farming	No. of slaughter houses constructed	
Leather development	Production of high quality hides and skins Value addition to hides and skins	% of grade one hides and skins produced. Tannery constructed and operational	

New/Proposed projects

Project Name Location	Priority Ranking	Objectives	Target	Description of Activities
Artificial Insemination Services Project		Upgrade and improve dairy cattle breeds Control reproductive diseases Increase productivity	4 insemination centres per ward	Train Inseminators Purchase AI equipments Purchase Motorcycle Construction of AI crushes Construction/hiring of AI offices Staff and farmers training
Tick control Services (Revival of Dips)		Reduction of tick borne diseases incidence Improve quality of hides and skins.	Revive 12 cattle dips county wide Maragwa-1, Kandara-1, Kigumo-1, Mathioya-1, Kiharu-6, Kahuro-2	Rahabilitation of cattle dip Training of cattle dip Management committees; Training of farmers through field days. Purchase acaricide
Refurbishment and Equipping veterinary laboratory in Maragwa and Kiharu sub county		Provide livestock diagnostic services in the county.	Provide two fully equipped county laboratories in Maragwa and Kiharu.	Refurbishment of the lab structures Procurement of lab equipment.
Indegenous poultry vaccination		Reduces incidences of Newcastle disease outbreaks	500,000 indegenous poultry vaccinated	Procure vaccines Immunization
Contruction of Pig and Poultry/rabbit Slaughter house		Safeguard human health Maintain high sanitary standards in slaughter facilities Enhance access to market	One pig and one poultry/rabbit slaughter house for every sub county	Construction of slaughter houses
Construction , refurbishment and equipping of sub county offices		Provide good office accommodation	Avail good veterinary offices in 8 sub counties	Construction of four offices at Kangema , Kigumo, Mathioya and Gatanga Refurbishment of office at Maragwa, Kahuro, Kiharu, Kandara

Tsetse Fly and Trypanosomosis control		To reduce tsetse flies and livestock trypanosomosis	80% reduction of tsetse and tryps in kiharu, Gatanga and maragwa.	Setting tsetse traps Use pour on insecticides on livestock. Screening and treatment of livestock. Training livestock owners.
Purchase of vehicles and motorbikes		Improve service delivery	10 Double cabin pick ups and 100 motor bikes	Purchase of vehicles and motor bikes
Staff recruitment		Improve service delivery	10 Veterinary Officers, 40 Animal Health Assistants, 30 support staff	Employment of new staff

(ii) Stalled Projects-

There are no stalled projects

Fisheries Development

Vision

To be the leading county in production and management of fishery resources

Mission

To facilitate sustainable management and development of fishery resources

Sector Goal: To ensure increased and sustainable fish production and utilization by properly managing the county fishery waters.

Sectoral strategic issues:

- Create an enabling environment for development of fisheries sector.
- Promote responsible and sustainable utilization of fisheries resources taking into account environmental concerns
- Promote development of sustainable aquaculture.
- Promote fish safety and quality assurance, investment in value addition and marketing.
- Improve fishery infrastructure.
- Enhance the capacity of the department
- Ensure customer satisfaction.

Sector Objectives: To maximize the contribution of fisheries to the achievement of county development objectives especially poverty reduction, food security, employment creation, youth empowerment and rural incomes through effective private, public and community partnerships

Sub-sector: Aquaculture Development

Subsector goal: To encourage investments in small, medium and large scale commercial aquaculture for domestic and export markets through public and private sector initiatives.

Sub-Sectoral: Objectives

To contribute to food security and poverty reduction in the county

Strategies:

- 1.1: To promote public and private sector investments in the production of quality and affordable seed and fish feeds
- 1.2: To create an enabling environment for development of fisheries sector
- 1.3 To facilitate marketing of aquaculture products through development of physical infrastructure and information systems.
- 1.4 The county government will enhance capacity through training of personnel, improvement of demonstration and resource facilities.

Sub sectoral objectives 2: To create employment and income generation enterprises for rural development

Strategies:

- 2.1 To develop and enforce fish handling standards that minimize post harvest losses
- 2.2 To proactively encourage joint ventures between county entrepreneurs to promote responsible fish handling and preservation measures to minimize post harvest losses
- 2.3 To encourage value addition to fish products and identification of niche markets.

Sub-Sector on-going projects

Sub-sector Objective1: To contribute to food security and poverty reduction in the county			
Projects Location	Specific Objective	Indicators	Description of Activites
Development of aquaculture. County wide(Fish farming enterprise productivity program)FFEPP	<ul style="list-style-type: none"> - Establish 600 liner ponds for institutions - Establish 1500 earthen pond to individuals farmers - Establish 400 ponds for fish farmers groups - To establish stockist for fishing gears, liners and equipments - To procure 7 feed pelletizing machines for each sub-county. - To capacity build the fisher folk. - To employ youth(Kazi kwa Vijana) 	<ul style="list-style-type: none"> -No of ponds constructed -No of beneficiaries/ institutions and farmers groups. -No of established stockiest -No of pelletizing machine -No of trainings carried out -No of youth employed 	
Dam and river line fisheries development countywide (Economic recovery poverty alleviation in regional dev.)JERPARD	<ul style="list-style-type: none"> - To increase area under fish production - To promote reclamation of public wetlands - To increase no of fisher groups - To increase rural incomes and reduce poverty. - Establishment of co-management groups - Capacity building - To promote eco-tourism and recreation fisheries 	<ul style="list-style-type: none"> No of dams rehabilitated-30 No of wetlands reclaimed No of fisher groups To reduce poverty from current 36 % -No of co-management groups established No of recreation facilities established (sport fishing clubs recreation dams.) 	
Rehabilitation of fisheries infrastructure	<ul style="list-style-type: none"> - Rehabilitation of existing departmental seed production farm. - Rehabilitation of Kimakia fish camp 	<ul style="list-style-type: none"> -Rehabilitated fish seed production farm. -Fully rehabilitated Kimakia fish camp. 	

Sub-sector Objective2: To create employment and income generation enterprises			
Projects Location	Specific Objective	Indicators	Description of Activites
Development of investments in value addition and marketing(ERPARD)	<ul style="list-style-type: none"> - To construct 8 mini processing plants for each constituency - Capacity building. 	<ul style="list-style-type: none"> No of mini processing plants No of fisher folk trained. 	

New projects

Sub-sector Objective1: To contribute to food security and poverty reduction in the county				
Project Name	Priority Ranking	Objectives	Targets	Description of activities
Development of fisheries infrastructure		<ul style="list-style-type: none"> - To establish fish multiplication center - To establish a hatchery 	<ul style="list-style-type: none"> -Established center. -Established hatchery 	
Construction of buildings (non residential) in all sub-counties. (offices, warehouses parking yards),		<ul style="list-style-type: none"> - To create a centre for county government service delivery on fisheries activities. - To house sub-county fishery staff and county government equipments. - To construct a parking yard. - To construct store/warehouse 	<ul style="list-style-type: none"> No of sub-county offices constructed No of stores/warehouse No of equipments 	
Monitoring control and surveillance (MCS).		<ul style="list-style-type: none"> - To establish county residue monitoring plan (for export market). - To establish upstream controls. - To ensure compliance with county conservation and management measures and legislation. - Law enforcement 	<ul style="list-style-type: none"> -No of upstream controls carried out -Have an established county residue monitoring plan -No of county legislation on management conservation enforced. 	

Sub-sector Objective2: To create employment and income generation enterprises				
Project Name	Priority Ranking	Objectives	Targets	Description of activities
Development of fish safety, quality assurance e investments in value addition and marketing		<ul style="list-style-type: none"> - To develop 8 cold chains facilities - Development of 8 market auction sheds - Development of fish quality standards - Capacity building. - Eat more fish campaign 	<ul style="list-style-type: none"> No of cold chains No of markets sheds No of standards enforced No of trained No of campaigns done 	
Procurement of motor vehicles, boats and communication equipments		<ul style="list-style-type: none"> - To procure 9 double cabin motor vehicles and 18 motor cycles - To procure 2 outbound engines and 2 boats. 	<ul style="list-style-type: none"> No of vehicles procured No of motor cycles No of outbound engines No. of boats 	
Development of Human resource capital(employment)		<ul style="list-style-type: none"> - To employ technical staff target 46 - To employ support staff target 24 	<ul style="list-style-type: none"> No.of technical staff employed No of support staff. Employed 	

Staff Training and capacity building		<ul style="list-style-type: none"> - To train staff to acquire new and modern skills in Aquaculture - To train and gazette fish inspector, quality assurance and marketing managers 	<p>No of staff members trained</p> <p>No of fish inspectors trained and gazzetted</p>	
Aquisition of land		<ul style="list-style-type: none"> - To create area for development of retail fish market, stalls, Auction sheds and processing units. 	<p>Area of land acquired in the 8 sub counties</p>	

Forestry Sub-Sector

The following are the other Projects/ Programmes in the forestry sub-sector

Name of project Location	Objectives	Target	Description of Activities
Wanjerere Forest Station Kangema	Intensify forest protection activities.	Construct 4 forest roads barriers.	Erection of barriers.
Plantation Development Mathioya & Kahuro	To increase forest and tree cover for sustenance of natural vegetation.	Establish one tree nursery in every forest station and forest offices.	Offering technical advice to farmers; Promotion of tree nursery management and tree planting in institutions.
Agro-forestry Projects County wide	To avail adequate seedling and encourage tree planting.	Produce 2 million seedlings from 3 tree nurseries in each of the 70 wards annually.	Establishment of individual and communal tree nurseries.
Green zone development support projects County wide	To empower communities economically to avoid forest destruction.	70 % of population living along the Aberdares forest.	Supporting communities in initiating nature based income generating activities such as tree nursery management, fish farming etc. through seed capital.
Natural resource management	To empower communities economically to avoid forest destruction.	70 % of population living along the Aberdares forest (in CFAs).	Provide inputs for tree nursery establishment, seed harvesting, seedling purchase by KFS and maintenance of forest with CFAs through training and role sharing.

Ongoing Projects

The ongoing projects include:

Projects Location	Objective	Targets	Description of Activities
Agro forestry and woodlots development covering 50,000.00 Ha.	Increased access to tree products and increase income	Hectares of trees planted in the county	
Rehabilitation of degraded sites through tree planting covering 500 Ha.	Increase tree cover in the county	Hectares of land rehabilitated through tree planting	
Purchase and distribute 5,000 energy saving stoves	Reduce household fuel wood consumption	No. of household using energy saving stoves	
Capacity building on tree planting for 10,000 farmers	Increased access to tree products and increase income	No of farmers trained	
Support planting of 4,000,000	Increase tree cover and	No. of seedlings planted	

seedlings in schools.	incomes	in the schools	
Establish 20 hectare of tree parks and arboreta	Increase tree cover	Hectares of tree parks and arboreta established	
Put 2000 ha. Of trees and woodlots under carbon trade	Increase incomes	Area of forest under carbon trade	
Plant 2000,000 medicinal plants & herbs.	Increase incomes & access to medication	No. of seedlings planted	
Establish 2000 ha. of bamboo	Reduce tree cutting and increase forest cover and incomes	Hac. planted	
Set up 200 biogas and bio latrine plants	Reduce tree cutting and increase tree cover and income	No. functional plants	
Propagate 500,000 fruit trees	Increase income and Nutrition	No. of surviving fruits trees	
Amenity & Urban tree planting in 125 sites	Tree cover increase and beautification	No. of sites planted	
Tree resource survey 24 Surveys	Establish tree cover changes	Surveys done and data Processed	
Exchange visits for farmers (250 farmers)	Capacity building in tree farming	No. of participants in visits	
Infrastructure and Equipment (offices, furniture, vehicles, computers & phones)	Improve efficiency in extension management	No. of offices/ equipment/ furniture purchased	
Monitoring & Evaluation, annual : 40 reports	Assess the progress & plan for future	Reports	
Eco-lodge in Wanjerere Forest Station (private)			

Sub- sector projects

Sector Objective 1			
Projects	Objective	Targets	Description of Activites
Forest surveillance, patrols and security(30000ha)	Protection of existing forests	Area protected (Ha)	
Rehabilitation of 250 Ha. of degraded forest through tree replanting	Restore forest cover	Area of forest rehabilitated (Ha)	
Construction of 5 eco-lodges in forest	Improve incomes	Lodges (No) constructed in forest	
Nature – Based IGAS Implementation 20 projects	Improve incomes for communities	IGAS (NO) completed and functional	
Forest infrastructure and equipment provision(3 vehicles,	Improve infrastructure and access to equipment	KM of Roads improved, No of	

4 roads, 2 offices)		offices constructed	
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Sector objective 2			
Projects Location	Objective	Targets	Description of Activites
Establish and manage 100 hectares of forest plantations	Increased access to tree products and	Hectares of trees established and managed	
Manage 1500 hectares of forest plantations	Increased ccess to tree products Revenue Generation	Hectares of trees managed	
Train 200 and saw millers on wood recovery Technology	Reduce tree cutting and wood consumption	No. of saw millers trained	

Sector objective 3			
Projects Location	Objective	Targets	Description of Activites
Agro forestry and woodlots development covering 50,000.00 Ha.	Increased access to tree products and increase income	Hectares of trees planted in the county	
Rehabilitation of degraded sites through tree planting covering 500 Ha.	Increase tree cover in the county	Hectares of land rehabilitated through tree planting	
Purchase and distribute 5,000 energy saving stoves	Reduce household fuel wood consumption	No. of household using energy saving stoves	
Capacity building on tree planting for 10,000 farmers	Increased access to tree products and increase income	No of farmers trained	
Support planting of 4,000,000 seedlings in schools.	Increase tree cover and incomes	No. of seedlings planted in the schools	
Establish 20 hectare of tree parks and arboreta	Increase tree cover	Hectares of tree parks and arboreta established	
Put 2000 ha. Of trees and woodlots under carbon trade	Increase incomes	Area of forest under carbon trade	
Plant 2000,000 medicinal plants & herbs.	Increase incomes & access to medication	No. of seedlings planted	
Establish 2000 ha. of bamboo	Reduce tree cutting and increase forest cover and incomes	Hac. planted	
Set up 200 biogas and bio latrine plants	Reduce tree cutting and increase tree cover and income	No. functional plants	

Propagate 500,000 fruit trees	Increase income and Nutrition	No. of surviving fruits trees	
Amenity & Urban tree planting in 125 sites	Tree cover increase and beautification	No. of sites planted	
Tree resource survey 24 Surveys	Establish tree cover changes	Surveys done and data Processed	
Exchange visits for farmers (250 farmers)	Capacity building in tree farming	No. of participants in visits	
Infrastructure and Equipment (offices, furniture, vehicles, computers & phones)	Improve efficiency in extension management	No. of offices/ equipment/ furniture purchased	
Monitoring & Evaluation, annual: 40 reports	Assess the progress & plan for future	Reports	

Stalled Projects:

Kiambicho Forest Office and Forester's house

Environment

On going Projects Projects

Sub-sector Objective1: Integration of principles of sustainable development into the county's policies and programmes.			
Projects Location	Specific Objective	Indicators	Description of Activites
Rehabilitation of degraded sites	Restore degraded sites	No. of sites rehabilitated	
Designate sanitary landfills	Proper waste mgt	No. of landfills in place	
Acquisition of garbage transport vehicles	Proper waste mgt	No. of vehicles bought	
Acquisition of Backhole/or Bulldozers	Proper mgt of waste	No. acquired	
Construction of waste transfer stations/Refuse chambers	Proper mgt of waste	No. of chambers constructed	
Biogas projects at household level(Subsidy)	Clean energy/waste mgt	No. of units installed	
Acquisition of Exhausters (PPP with water companies)	Proper waste mgt	Exhausters acquired	
Advocacy and enforcement of Environmental laws	Establish legal environmental committee	Committee established	
Environmental Planning and assessments	Prepare county environmental action plan	Action plan in place	
Construction of county environmental office		Office constructed	

Sub-sector Objective2:			
Project Name Location	Objective	Targets	Description of Activities
Acquisition of vehicles	Improvement service delivery	Vehicles acquired	
Publicity and promotion	Awareness creation	No. of events held	

(ii) New Projects (Environment)

Project Name	Priority Ranking	Objectives	Targets	Description of activities
Rehabilitation of degraded sites such as quarry. (County wide)	1	Environmental restoration	Rehabilitate degrade sites	Replanting, Erosion Control
Designated Landfills (County wide)	1	Effective solid waste management	Establish a dumpsite	Procurement

Project Name	Priority Ranking	Objectives	Targets	Description of activities
Acquisition of exhausters.PPP/LIAISON with wter companies (County wide)	1	Effective toilet waste disposal	Purchase exhausters	Procurement, Training
Advocacy and enforcement of environmental laws. (County wide)	1	Awareness on Environmental matters	Advocacy campaigns	Media campaigns, posters etc
Increase tree planting. (County wide)	1	Increase tree cover	Plant trees	Tree planting
Sensitization on water treatment measures as a measure on operation of water wells and boreholes. (County wide)	2	Awareness on water treatment	Education Campaigns Advocacy campaigns	Media campaigns, posters, training sessions etc
Introduction of water bowsers by water companies.	2	Increased access to clean water	Increasing the number of families accessing clean water	Water trucking
Zoning of towns/urban planning.		Designate activities to sections of the towns	All towns planned	Cartography
Rehabilitation and conservation of Dams/wetlands.	2	Increased access to water	Increasing the number of families accessing water	Dredging, desilting
Expansion, rehabilitation and Construction of water supply systems	2	Increased access to water	Increasing the number of families accessing clean water	Construction works

Lands Physical Planning (Spatial Planning)

1.1 Vision

To be an efficient and effective department for delivery of well planned land use systems for vibrant, functional and sustainable towns, cities and regions

1.2 Mission

Provide an integrated spatial framework for sustainable socio-economic development through research, policy and land use planning

1.3 Purpose of Physical/Spatial planning

Generally physical planning is supposed to ensure order, harmony in all development on land sea and air for economy and efficiency.

County spatial planning help in linking economic planning (budgets) to spatial planning which, has been identified as the major cause of underdevelopment in the country despite massive investments over the years. Whatever projects that have been proposed by various sectors must find appropriate location and expression as per spatial plan and adhere to county policies on spatial development. Physical planners prepare plans for the settled areas i.e towns. However, there is increased need to plan both towns and rural areas as they are mutually interdependent. There is need to control growth of towns and continued subdivision of land into small and uneconomical parcels. In addition some areas that are either of ecological and/or cultural importance require to be conserved. It is against this background that spatial planning becomes a major undertaking for Murang'a County.

1.4 Goals

1. Implementation of vision 2030 flagship projects relevant to the department
2. Preparation of County integrated development plans
3. Preparation local physical development plans (Urban area plans)
4. Facilitation of provision of secure land tenure
5. Preparation of county spatial plans.

1.5 Objectives

- 1) Capacity building/empowerment of land sector
- 2) Administer land in a transparently through use of ICT, develop e-land information system
- 3) Ensure equitable access to land to promote livelihoods
- 4) Work with National government institution to secure land rights to promote investment
- 5) Oversight on land and physical development disputes
- 6) Control of development and housing typologies Enforcement
- 7) Conservation and protection of ecologically sensitive areas.

Objective 1 Capacity building/empowerment of land sector

Strategies

- Create an enabling environment for land, housing and urban development sector through:
 - Staffing and rationalization of staff setting up offices in major urban areas
 - Training and development
 - Equipping through Setting up a GIS lab, vehicles,
 - Development of contract documents for procurement of planning services
 - Ensure customer satisfaction through service charters.

Objective 2: Administer land in a transparent manner through use of ICT.

Strategies

Develop land information system/data base for all land transactions and plans

Objective 3: and 4 Ensure equitable access to land to promote livelihoods; Work with National government institution to secure land rights to promote investment

Strategies

- Prepare Local physical development plans
- Set aside land for public purposes i.e markets, health, schools, jua kali etc
- Prepare part development plans for alienation.
- Acquisition of land that was illegally acquired in conjunction with NLC
- Prepare zoning regulations /plans
- Set aside zone for low income earners
- Form public private partnerships

Objective 5 Oversight on land and physical development disputes

Strategies

- Operationalise the County Physical Planning Liaison committee
- Enforcement of decisions made by the land court

Objective 6: Control of development and housing typologies

Strategies

- Setting up of development control and enforcement unit
- Harmonize development control standards, regulations, guidelines
- Implementation of all prepared plans
- Re-planning of all town plots set aside during colonial era (popularly known as T-Plots)
- Secure land tenure to promote viable investments

Objective 7: Conservation and protection of ecologically and culturally sensitive areas.

Strategies:

- Map all ecologically sensitive areas including dams
- Map all culturally important areas
- Secure all the areas and channel to appropriate sector
- Control/ prevent encroachment of these areas

There are a total of 513 market centres in the county. Major shopping centers include Kabati, Kahuro, Kandara, Kangari, Kangema, Kamahuha, Kenol, Kigumo, Kiriaini, Kirwara, Makuyu, Maragwa and Saba Saba. 89% of the population in the County is rural based while 11% is urban, thus making agriculture the main economic activity in the county. Under the Urban Areas and Cities Act, 2011, Muranga town which hosts the County Headquarters has been classified as a township while other town centers have been unclassified. Previously three of the centres were classified as towns (Murang'a, Maragwa and Makuyu towns) and three as urban centres (Kabati, Kangari and Kiriaini).

Urban centres are usually hubs of innovations and enterprises. These centres are also sources of employment both in the formal and informal sectors. They serve as centres for distribution of agricultural inputs and markets for agricultural produce.

1.6 Land Projects

On Going Projects

Strategic Programme			
Projects Location	Specific Objective	Indicators	Description of Activities
Preparation of regional and local physical development plans	To provide a basis for investment and use of land in urban and rural area.	<ul style="list-style-type: none"> Develop and implement communication strategy. 	<ul style="list-style-type: none"> Issue notice of intention to plan Reconnaissance survey Stakeholders connotative meetings Prepare base maps Collect data and analyze Prepare draft to stakeholders Incorporate comments Publish and gazette Approval by the minister.
Registration of Land transactions.	To ensure security of land tenure and facilitate investment.	<ul style="list-style-type: none"> Security of tenure, Title deeds issued AIA and Revenue collected. 	<ul style="list-style-type: none"> Ascertain land rights Register titles Register Land transactions Replace damaged/worn out land documents Compile an inventory of all leased County land for rent revision Asset valuation Valuation for stamp duty
Resolution of land disputes	To minimize conflicts and improve land markets	<ul style="list-style-type: none"> Secure tenure 	<ul style="list-style-type: none"> Resolve land boundaries disputes Clear pending land disputes Reconstitute and train members of Land Control boards.
Improve work environment	To meet increased demand for land services and enhance service delivery.	<ul style="list-style-type: none"> New land registries established Land registries refurbished 	<ul style="list-style-type: none"> Refurbish existing registries Construct new land offices to accommodate land registries.
	To improve performance of officers and enhance service delivery	<ul style="list-style-type: none"> Improved work environment 	<ul style="list-style-type: none"> Organize workshops and seminars for continuous professional development Enhance IT and

			<p>other skills among eh staff Encourage multitasking among cadres that cut across the departments e.g. Clerks</p> <ul style="list-style-type: none"> • Recognitions / appreciation of the staff through rewards and make commendation letters, promotions, special duty allowances, acting allowances
Mapping and updating of topography maps	To generate, maintain, update and disseminate geographical data for land use planning.	<ul style="list-style-type: none"> • Update and maintained maps and plans to support land registration • Updated topographical and urban maps • 	<ul style="list-style-type: none"> • Establish GIS database compatible with RIMS • Revise and update existing topographical maps • Carry out mapping of the uncovered areas • Geo – reference Preliminary Index Maps diagrams (PIDs) and Registry Index Maps • Publish and disseminate survey data • Harmonize land reference numbering systems

New Projects

New project	Priority Ranking	Objective	Targets	Description of Activities
Revision of Murang'a town zoning plan		To coordinate the process of spatial development in the town	20 year plan	
Revision of Kangema development plan		To guide and link development within the region	20 year plan	
<ul style="list-style-type: none"> • Staffing and rationalization of staff • Training • Purchase at least 2 vehicles for planning functions • Equipping through Setting up a GIS lab • set up offices in major urban areas 		<p>Capacity building/empowerment of land sector</p> <p>Setting up of development control and enforcement unit</p> <p>Harmonize development control standards, regulations, guidelines and fees and charges</p>	<p>Organogram</p> <p>Increased efficiency</p> <p>transparent land</p> <p>Digitized data</p> <p>Service charter</p>	

<ul style="list-style-type: none"> • Develop land information system/data base for all land transactions and plans • Development of contract documents for procurement of planning services • .Ensure customer satisfaction through service charters. • Control of development and housing typologies • Operationalise the County Physical Planning Liaison committee and other conflict resolution mechanisms e.g land court 				
<p>Preparation of county spatial plans</p>	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Promote appropriate and efficient land use • Provide a spatial depiction of social and economic development programmes • To contain urban sprawl • To contain unfettered spread of rural settlements • To safeguard agricultural land • To safe guard water towers and catchments • To protect wetlands, riparian reserves, etc. • To manage human-wildlife conflicts, etc. • To identify the spatial distribution of the resources within the county, their level of utilization and potential; • To assess the existing infrastructure their current conditions, capacity and projected demand; • To identify fragile ecosystems and suggest intervention measures for their protection and conservation; • To investigate human settlement trends and 	<ul style="list-style-type: none"> • sustainable and harmonious development outcomes • enhanced efficiency in services deliver and access 	<ul style="list-style-type: none"> •

		<p>propose an appropriate hierarchy or urban centers that will spur rural development;</p> <ul style="list-style-type: none"> • To assess capacity of the existing institutions and organizations and suggest strategies to enhance their performance; • To design an integrated spatial framework • Spur rural-urban inter-linkages 		
Operationalisation of Kenol Zoning Plan		<p>To improve the image of the town as a vibrant service town for recreation with hotel and light industries Make town livable</p>	<p>Well planned functional town Acquired public places and open air markets and bus parks</p>	
Re-planning of Kangari Town Kangari Local Physical Development plan		<p>Reduce congestion and disorder in Kangari Regularization of developments Security of tenure</p>	<p>Improved connectivity and accessibility of residences, places of work, recreational/social places</p>	
Re-planning of Kandara Town Kandara Local Physical Development plan			<p>Adequate open spaces and recreational sites Development control and Housing typologies Secure land rights to promote investments in urban centres</p>	
Re-planning town plots (T-plots)		<p>Improve accessibility (connectivity) Use of land more efficiently</p>	<p>Functional plots</p>	
Preparation of Kiruara/gatura/ gatanga local physical development plan				
Ndakaine town to be planned as a tourist resort centre				
Prepare part development plans for public land		<p>Secure public land</p>	<p>Development of public facilities</p>	

<ul style="list-style-type: none"> • Mapping all ecologically sensitive areas including dams • Mapp all culturally important areas • Secure all the areas and channel to appropriate sector • Control/ prevent encroachment of these areas 		<p>Conservation and protection of ecologically and culturally sensitive areas</p>	<p>Establishment of cultural centres Secured dams and water catchment areas</p>	
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Co-operative Development and Marketing Sub-Sector

The following are the other programmes/ projects in the co-operative development and marketing sub-sector.

Project Name & Location	Objectives	Targets	Description of Activities
Education and Training (County wide)	To enhance cooperative movement through education with a view to improving management.	Train 100,000 members of 130 co-operative societies; Recruit new membership of 50,000.	Conduct members' education day; Conduct HIV/AIDs awareness meeting; Conduct pre-cooperative training.
Registration of New Societies County wide	Promote new cooperatives through registration.	Hold 10 sensitization workshops; Registration of 15 new cooperative societies.	Conduct member education days, workshops and seminars for sensitization.
Reviving of dormant cooperative societies	To strengthen cooperative societies in the county and enhance marketing of members produce.	Revive 21 dormant cooperative societies.	Sensitization of community; Training and restructuring the management of affected cooperative societies.

ii) New Project

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
AI Dairy Breeding (County wide)	1	Successful and healthy breed from AI	1 per ward	Purchase of heifers
Animal Health Programme (County wide)	1	Healthy livestock breed	To cover all wards	Development of policies and structures, diagnostic laboratories, vaccine production and control laboratories.
Breeding Farms (County wide)	1	Increase in hybrid livestock and hybrid crops becoming disease resistant due to cross breeding	10 Breeding Farms per constituency	Stocking Building capacity
Animal feeds program (County wide)	1	Livestock is provided with quantity and quality feeds to increase production	Animal feeds programmes county wide	Purchasing quality feeds
Develop an irrigation master plan (County wide)	1	A detailed irrigation master plan	1 irrigation master plan	Gathering data Finalizing plan

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Establish supply chain logistics (County wide)	1	A streamlined agricultural supply chain process with no bottlenecks	County wide	Gathering data
Establish growing contracts with buyers (County wide)	1	Number of contracts signed with the potential buyers	County wide	Contacting buyers and signing ontracts
Set up dairy breeding programme cow ownership (County wide)	1	Optimum crop output	10 per ward	Publicity Purchasing and distribution Monitoring
Establish Hatchery (2 per sub county)	1	Consistent supply of produce Improved quality due to due to genetic modifications	10	Contruccion works Equipping
Coffee processing plant (County wide)	1	An established plant operating and owned by Murang'a County	1 plant	Tendering Operationalizing
Milk Processing plant (County wide)	1	An efficient milk storage facility	1 per ward	Tendering Operationalizing
Develop framework for PPP's (County wide)	1	A concept paper on the strategies of having a value adding public and private partnership.	1 framework for PPP's	Writing concept paper
Register an investment company (County wide)	1	A registered and operational investment company	1 company	Registration
Vegetable canning plant (County wide)	1	Established operational vegetable canning plant	1 canning plant	Tendering Construction works
Tea Value Addition (County wide)	1	Improved value chain and increased earnings from Murang'a tea	County wide	Assessmet of current value and identifying gaps
Develop banana value addition plant (County wide)	1	Functional plant in place	1 project paper	Tendering Construction works
Set up county Industrial Park (County wide)	1	An established and operational Agricultural industry in Muranga	1 Agro-Industrial Park	Tendering Construction works
Processing contractual agreement (County wide)	1	Signed contractual agreements from the potential buyers	1 Agreement	Contracts with buyers

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Fruit Processing Plant	1	An operational fruit processing plant	1 Fruit Processing Plant	Tendering Construction works
Establish a grain handling facility (County wide)	1	Functional facility		
Fish Cold Chain (County wide)	1	An efficient fish storage cold chain	1 Fish Cold Chain	Tendering Construction works
Develop and implement a branding and marketing strategy (County wide)	1	An agro brand and a detailed marketing strategy	1 branding and marketing strategy	Paper on branding and marketing
Agro-marketing structure (County wide)	1	Improve gains from agriculture	Agro-marketing structure	Developing structure implementation
Identify markets for specific agro-products (County wide)	1	Established niche for Murang'a products in local and international markets.	Identify markets	Map out markets Promotion
Develop and implement local and international GAP standards (County wide)	1	Documented local and international GAP standards	Local and international GAP standards	Implement standards
Formation of Cooperatives: <ul style="list-style-type: none"> • milk producers cooperatives • motorcycle/ boda boda cooperative • Horticulture cooperatives • Women cooperatives • Youth cooperatives • Saccos (County wide)	1	Registration and functioning of the new Cooperatives	Cooperatives in all key sectors	Conduct member education days, workshops and seminars for sensitization.
Establish a Cooperative Development Fund	1	Strengthen cooperatives	1 fund	Registration Operationalization
Savings investment cooperative (County wide)	1	Accumulation of saving by the citizens of Murang'a	1 savings investment cooperative	Registration Recruitment of members
Restructure the entire coffee value chain sector (County wide)	1	Improvement of the coffee sector and the farmer is awarded the rightful share	Reengineer the coffee sector	Organizational analysis
Set up stabilisation fund	1	Secure co-operatives against	1 Fund	Registration

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
(County wide)		bankruptcy		
Develop an electronic management system in the Co-operatives (County wide)	1	Traceability of transactions conducted in the co-operatives.	1 system	Procurement Implementation

iii) Stalled projects

There are no stalled projects in this sector.

(iv) Out Standing Projects/Programmes

The sector does not have any outstanding project/ programme

Persons with disabilities

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Provide relief seeds for planting for persons with disability.				
Subsidize fertilizers for persons with disabilities and other vulnerable group.				
Provide energy saving stoves for conservation of environment.				
Provide seedlings for tree planting.				

Proposed Ward Projects

Agriculture and Rural Development (ARD)

Project/Location	Priority Ranking	Objectives	Targets	Description
Fresh Produce /Horticulture Market				Construction of Kagumoini Fresh Produce /Horticulture Market, pack house, cold room and go down facilities.
Collection Centers				Establishment collection centers for Avocado Co-operative Society and for other farmers.
Milk Coolers				Construction of a cooler at Kagaa Shopping Centre for Dairy Farming Sacco; establishment of two milk coolers at Kamukabi and at Karinga.
Artificial Insemination (AI)				Establishment of AI centers in all sub-locations to provide AI services.
Coffee Research Centre				Establishment of Coffee Research Centre at Kagina Coffee Factory.
Irrigation				Provision of water for irrigation purposes in each home, establishment of irrigation projects along sabasaba &

				Thaara rivers and Luchole ward; expansion of irrigation projects in Gakeki, Mirichu and Kiamboka regions; construction of boreholes in Mithini, Mwitumberia, Mugumoini, Gathaiti, Muhohoyo, Rural, Ngurunga and Ndabatabi.
Fertilizer and seedlings				Purchase of fertilizer and seedlings for farming and provision of subsidies.
Fish ponds				Construction of fish ponds
Dams / Water Collection Sites				Rehabilitation and excavation of dams / water collection sites.
Processing / Value Addition				Construction of processing plants for juice processing (oranges and mangoes); establishment of mango and avocado processing plants; construction of processing factories for fruit factory at Mithini area, horticultural factory in Makuyu area and banana factory in Makuyu; honey processing machines to be established at Mithini , Gathaiti, Mutithi ,Kirimiri and Makuyu areas; value addition for avocados, bananas at Kiria market, value addition for cassava, establishment of meat cooling and processing unit to cater for fish, poultry and rabbit; purchase of land for set up of value addition plant for tea factories in the county; compensation of KTDA for 65 acres of land at Gituamba farm for investors and establishment of milk processing plant.
Market				Establishment of markets for agricultural produce and establishment of a body to co-ordinate & market horticulture
Forestry				Seedlings for forestry and water conservation at Abedare Forest through planting trees projects.
Bee keeping industry				Establishment of bee keeping industry.
Energy				Energy conservation activities.

Offices				Construction of sub- county agricultural offices.
Livestock				Rearing of dairy goats, dairy cows, rabbits and pigs.
Fish farming				Establishment of at least 1000 fish ponds starting with public schools
Tick Control				Tick control for all livestock
Fodder				Growing fodder for animals
Factory				Revival of Kaha-ini coffee factory
Storage				Cereals store to be established around Kirimiri area
Tree Nursery				Tree nurseries to be established in Kanyururu. Kirimiri, Mithini, Kihara and Mutithi areas.
Fields				Set up of fields in Makuyu town, Mithini trading centre and Mutithi
Agricultural Support for persons with disabilities				Provide relief seeds for planting to persons with disability, subsidize fertilizers for persons with disabilities and other vulnerable group, provide energy saving stoves for conservation of environment and provide seedlings for tree planting
Soil erosion				Set up of cutoffs to prevent soil erosion

Other Sub County Projects

Projects Names Location/Division/Constituency	Priority ranking	Objectives	Targets	Description of activities
Green houses in every ward		To promote intensive and modern farming techniques	2 in every ward	Purchase and installation

Public Participation

1. Farming and rearing of animals has become an expensive venture. Farmers are unable to hire labour for farm activities
2. Destruction of crops by wild life was identified as a challenge by many producers.
3. Irrigation of farms is a key priority all over the county. This can greatly improve agriculture in general and counter famine within the region.
4. Availability of affordable fertilizer to farmers is a top priority for farmers in Kahuro. The farmers currently access fertilizers from Sagana. There is need for subsidized fertilizer. This will improve the income levels and provide a good base for taxation
5. The county government should consider bailing out coffee farmers who are currently in debt
6. The county government should support the use of modern farming practices such as the use of greenhouse technology. Women and youth groups should be supported in these ventures.
7. Coffee farming in Muranga should be championed by the county government since it has the potential to uplift many people out of poverty.
8. Kiria in Garu irrigation project requires financing to purchase pumps to boost irrigation of crops. Similarly, Mugo Secondary School requires water pumps for their tanks. Karuru district has a challenge in accessing water for irrigation. The district has two water tanks purchased by CDF which are currently not utilized.
9. Livestock feeds should be made accessible and affordable to producers
10. The county government should assist producers to access market for their produce. There is need for markets for avocados and mangoes which are plentiful in the county.
11. Veterinary services for livestock - Veterinary staff should be accessible to producers and be able to make visits to homestead to vaccinate animals and offer Artificial Insemination services.
12. Co-operatives for the livestock producers should be established

7.1.6 Strategies to Mainstream Cross-Cutting Issues

Agriculture and Rural Development sector will ensure all cross cutting issues are mainstreamed in programmes and projects within the subsectors. The sector will therefore promote empowerment and participation of women, youth and other vulnerable groups in its activities. This will lead to reduced crime rates, increased employment opportunities and hence increased income.

The sector will continue to sensitize the community on the dangers of contracting HIV/AIDS and disaster management through workshops and seminars undertaken by various sub sectors. Enterprises such as dairy goats, kitchen gardens, traditional vegetables and fish farming which can provide nutrition to the infected people will be promoted. Through promotion of value addition of the agricultural produce, farmers will be able to fetch more from the market and thus reduce poverty as well create employment to the ever increasing population.

The focus of the sector will also be tailored towards technologies and enterprises that are friendly to the environment. This will include sensitizing farmers on the need to plant indigenous trees at the expense of water consuming exotic blue gum trees. Importance of protecting water catchment areas to improve water conservation will be promoted.

The sector will embrace ICT services as link with other sectors in the county and outside the county. With the use of ICT the sector will benefit a lot through E-commerce in marketing of its products. The sector will also access most of the information worldwide through use of ICT. Environmental conservation will be addressed through appropriate use of agro chemicals, forest conservation, good animal husbandry and appropriate farming methods.

7.2 General Economic, Commercial and Labour Affairs

The sector is represented in the county by the following sub sectors: trade, tourism, industrialization and labour.

7.2.1 Sector Vision and Mission

Vision

A globally competitive economy with sustainable and equitable socio-economic development, where citizens operate freely across borders

Mission

To promote, coordinate and implement integrated socio-economic policies and programmes for a rapidly industrialising economy.

7.2.2 County Response to the Sector Vision and Mission

In response to the sector Vision and Mission, the county have promoted enterprises which attract tourism through seminars and rehabilitation of tourist attraction centres like *Kimakia* fishing camp and *Mukurwe Wa Nyagathanga*. Aberdares eco-tourism has also been promoted as tourism attraction centre. The county has been encouraging manufacturing industries especially those which are value adding as well as promoting traders through awareness creation, development and nurturing of entrepreneur skills and investment culture, provision of consultancy and counselling services, disbursement of loans and construction of business market centres. The county has encouraged growth of wholesale and retail trade both in the urban and rural areas. The sector has been working closely with sub counties, the provincial administration and youth department to bring youth together with a view of assisting them to come up with income generating projects.

7.2.3 Role of Stakeholders in the sector

The following are the roles of stakeholders in the GECLA sector.

Stakeholders	Role
Department of Tourism, Labour, Trade and Industry	<ul style="list-style-type: none"> Provide policy guideline and funding for infrastructural development and do promotions. Regulation and safeguard rights of employees Provide loans to traders
KIRDI	<ul style="list-style-type: none"> Research and Technology transfer
KIE, KTB	<ul style="list-style-type: none"> Provide funding for infrastructural development Implement projects in this sector.
KEBS	<ul style="list-style-type: none"> Products quality control
Trade unions	Champion the rights of employees
Private Sector	Investment in hotels and industries
SMEs	Uptake of business opportunities
Weights and Measures Department	Promotion of fair trade and consumer protection
Workers Association e.g FKE	Champion the rights of government workers
Micro and Small Enterprise Authority (MSEA)	To promote, creation and development of micro, small and medium enterprises
Business community, hoteliers and investors	Uptake of new investment opportunities provided
NGOS, CBOS AND Civil society	Supplement the county government in resource mobilization, community mobilization, dissemination, service provision and capacity building
Local community	Planning and implementation, monitoring and evaluation of projects
Suppliers	Supply of goods, services and works
Kenya Wildlife services	Promoting tourism in the county
Kenya Forest service	Regulating of Timber industry

7.2.4 Projects / Programmes

The county has two flagship projects and three other projects in the general economic, commercial and labour affairs sector. There are several stalled projects in this sector. There are outstanding projects but the sector has six new projects.

Trade Sub-Sector

On-Going Projects and Programmes

(a) Other Projects/Programmes

The following are the other Projects/ Programmes in the trade sub-sector.

Project Name & Location	Objectives	Targets	Description of Activities
Joint Loans Board county wide	Increase the efficiency of the board; Provide credit to MSMES.	Issue Kshs. 2 billion in loans annually; Recover at 100 % of the issued loans.	Receiving applications; Vetting applications and holding joint boards; Hold meetings to approve loan applications; Set up loan recovery exercise by issuing notices to defaulters and contracting department collection.
Micro, Small and Medium Enterprises Training county wide	To improve entrepreneurial skills of small business people.	Train 2800 traders in each of the 7 sub-counties	Recruiting traders for the training; Liaising with institutions offering traders courses; Carryout traders need assessment.
Mapping of businesses county wide	To come up with county traders data bank.	Mapping and categorizing business and trades in all trading centres in the county.	Itemizing all the business in the whole county; Administering survey questionnaires to the local authorities; Collecting the questionnaires and analysing the information.
Establish Physical Metrology Laboratory County HQ	Traceability of standards	Build and equip 1 Laboratory at the County Headquarters	Setting up fully equipped Physical Metrology Laboratory
Investment mapping County wide	To come up with County investment opportunities data bank	Mapping and categorizing investment opportunities in all the 7 sub-counties	Itemizing investment opportunities in the county. Employing consultants and experts to do the mapping
Resource Information Center County wide	Availability of information of trade and investment	Putting up resource Centers in the sub-counties	Construct resource centers in all the sub-counties. Equipping the resource centers

Setting up fully equipped weights and measures office County HQ	Increased consumer confidence and protection	Equip 1 weight and measures office	Tendering and procurement of all required equipment
Facilitate MSEs to participate in local, regional and international exhibitions and trade fairs County wide	To enhance MSEs access to markets	1000 MSEs facilitated to attend trade fairs and exhibitions	Conduct MSE market research, survey and analysis Identify suitable MSE operators Vet the exhibits and recruit exhibitors Identify and procure suitable venues Transport exhibits to venues Participation of MSEs in local & international trade fairs
Develop, upgrade/re-design the worksites to adapt to the market needs County wide	To create a conducive work environment for MSEs	Develop, upgrade/redesign existing MSEs worksites in the county	Map out existing MSE worksites Develop master plans and standard drawings for MSE worksites Procure and execute works Allocate worksites to MSEs Undertake monitoring and evaluation
Develop MSEs industrial parks County wide	To expose MSEs to technology and knowledge transfer	Develop Industrial parks in all the Sub counties	Identify and zone out suitable areas for development of industrial parks Develop master plans and standard drawings Procure and execute works
Acquisition of motor vehicles	Improved service delivery	Purchase 4 vehicles with one specialised mobile workshop	Tendering and procurement

(c) Flagship Projects

Project Name & Location	Objectives	Targets	Description of Activities
Trade Sub Sector			
Wholesale and retail outlet in Maragua Sub County	To strengthen informal trade through in infrastructure, training and linking to wider local and global markets.	1 wholesale hub.	Construction of a wholesale hub.
Industrial Development Centre All constituencies, countywide	Promotion of Jua kali artisans.	7 CIDCs.	Construction and equipping of CIDCs.

Prepared Plans for Market Centers

a) Approved local physical development plans and part development plans

Plan Reference Number	Centre Name	Plan Description	Type	Status	Approval Number
C192/71/1	Kandara	Kandara Development Plan	LPDP	Approved on 17/10/1973	No 1
C192/77/1	Kandara	N.H.C Rentals	PDP	Approved on 29/10/1980	No 2
C192/79/1	Kandara	Catholic Church	PDP	Approved on 15/09/1979	No 4
C192/80/1	Kandara	P.C.E.A Church	PDP	Approved on 22/01/1981	No 3
C192/88/1	Kandara	Extension To Post Office	PDP	Approved on 24/06/1988	No 5
C512/75/1a	Maragua	Maragua Development Plan	LPDP	Approved on 25/10/1979	No 1
C512/78/1	Maragua	Post Office and Telephone Exchange	PDP	Approved on 13/02/1980	No 3
C512/010/01	Maragua	Economic Stimulus Wholesale Market	PDP	Approved on 28/10/12	No 4
C743/79/1	Kaharati	Kaharati Development Plan	LPDP	Approved on 09/06/1981	No 1
C56/81/1	Kamahuha	Kamahuha Development Plan	LPDP	Approved on 07/10/1981	No 1
C522/84/1	Kabati	Kabati Development Plan	LPDP	Approved on	No 1
C1024/85/1	Kangari	Kangari Development Plan	LPDP	Approved on 05/12/1986	No 1
C852/82/1	Githumu	Githumu Development Plan	LPDP	Approved on 17/05/1985	No 1
C100/78/1	Makuyu	Makuyu Development	LPDP	Approved on	No 1

		Plan		27/05/1981	
C100/80/1	Makuyu	M.O.T & C Camp	PDP	Approved on 27/05/1981	No 2
C100/85/1	Makuyu	Slaughter house	PDP	Approved on 11/02/1986	No 3
C100/81/1	Makuyu	Government Pool Housing	PDP	Approved on 30/04/1986	No 4
C1166/86/1	Gakungu	Gakungu Development Plan		Approved on 10/02/1987	No 5
C1851/06/02	Kenol	District Headquarters And Primary School	PDP	Approved	No 1
C1851/	Kenol	Chief's Camp And Dispensary	PDP	Approved on 24/09/2007	
C2410/07/02 C2410/07/02	Nguthuru	A.P Post, Dispensary, County Council Housing Scheme	PDP	Approved on 03/04/2009	No 1
C279/77/1	Kariua	N.H.C Rental Houses	PDP	Approved on 14/03/1978	No 1
C129/84/1	Saba Saba	Petrol Service Station	PDP	Approved on 17/07/1984	No 3
50/67/25	Maragua Ridge	Abattoir Hides And Skins	PDP	Approved On 09/02/1968	50/67/25
Blk 279	Maragua ridge	Maragua Ridge Village	LPDP	Approved on 08/04/1963	No 50/63
C279/77/1	Kigumo	N.H.C Rental Houses	PDP	Approved on 14/03/1978	No 1

b) Pending local physical development plans

PLAN REFERENCE NUMBER	CENTRE NAME	SITE DESCRIPTION	TYPE	STATUS	APPROVAL
C129/012/03	Saba Saba	Formalization of P.C.E.A Gakarati Church and Gakarati Primary School	PDP	Published	Pending
C2410/2012/01	Nguthuru	Nguthuru Local Physical Development Plan.	LPDP	Published	Pending
C2413/2009/01	Muthithi	Muthithi/Gikomora Zoning Plan	LPDP	Not Published	Pending
C2525/011/01	Kariua	Formalization of Kariua Open Air Market, Social Hall And Dispensary	PDP	Published	Pending
C192/011/01	Kandara	Formalization of Government Houses	PDP	Published	Pending
C100/011/02A	Makuyu	Formalization of Government Pool Houses	PDP	Published	Pending
C100/012/01	Makuyu	Ministry of Roads Camp	PDP	Published	Pending

C100/012/02	Makuyu	Marema Cattle Dip	PDP	Published	Pending
C100/012/05	Makuyu	Telkom Kenya Exchange	PDP	Published	Pending
C512/95/1	Maragua	Existing Residential Plot, Muslim Girls, Ministry of Public Works	PDP	Published	Pending
C512/012/01	Maragua	Formalization of Maragua Primary School, Maragua Secondary School And Maragua Technical Institute	PDP	Not Published	Pending
C512/011/01	Kabati	Telkom Kenya Site	PDP	Published	Pending

c) Major open air markets

Comments:

- Construction of sheds on the open air markets re
- Parking bays to be included in the markets
- Where there no markets, there should plans to acquire land for the building of the same

Promotion of such markets supports informal sector development. The markets should have bus parks and Jua Kali sites to enhance harmony and functionality

Name of market		Division	Operating Days	Products
1	Makuyu	Makuyu	Sun and Wed	Farm produce, livestock, textiles
2	Kamahuha	Makuyu	Tue and Sat	
3	Saba Saba	Makuyu	Mon and Fri.	
4	Kambiti	Makuyu	All days	
5	Kandara	Kandara	Mon and Thur	
6	Ng'araria	Kandara	Wed and Thur	
7	Kagundu-ini	Kandara	Fri and Tue	
8	Githumu	Kandara	Wed and Sat	
9	Gacharage	Kandara	Sun	

10	Kabati	Kandara	Wed and Sat	
11	Kirere	Kigumo	Wed and Sat	
12	Mareira	Kigumo	Tue and Sat	
13	Kangari	Kigumo	Thur	
14	Kigumo	Kigumo	Sun	
15	Maragua	Maragua	Sun.	
16	Muthithi	Maragua	Mon and Fri	
17	Kihoya	Kangema	Sun	
18	Kanyenya-ini	Kangema	Sun	
19	Rwathia	Kangema	Sun	
20	Ichichi	Kangema	Wed & Sun	
21	Kiamara	Kangema	Sun	
22	Karugia	Kangema	Sun	
23	Kiria-ini	Mathioya	Mon & Thur	
24	Gakira	Kangema	Tue & Fri	
25	Mukuyu	Kiharu	Wed & Sat	
26	Mithini		Sun	
27	Kirwara	Gatanga	Wed	
28	Gatura	Gatanga	Fri	
29	Ndunyu Chege	Gatanga	Sun	
30	Kaguku	Gatanga	Wed & Sat	

31	Ngelelya	Gatanga	Sunday	
32	Como	Gatanga	Thursday	

(ii) Stalled

The following are stalled projects:

- Kangema Wholesale market
- Mukuyu Market

(iii) Out Standing Projects/Programmes

The sector has no outstanding projects/ programmes

Tourism

Project Name	Rank Priority	Objectives	Targets	Description of Activities
Develop a tourism county marketing, branding strategy and communication.	1	Increase in the number of local and international tourists coming to Murang'a	1 tourism county marketing and branding strategy	Developing and implementing strategy
Map and develop tourism sites, circuits and events	1	Identification of tourist attractions and events in Murang'a	tourism circuits in all wards	Mapping sites Developing sites
Develop hotels and conferencing facilities consider PPP e.g. with KICC	2	Increase employment/business opportunities and living standards	Develop hotels and conferencing facilities all wards	Tendering Construction works
Promotion & marketing of Mukurwe Wa Nyagathanga and other heritage sites (Kiharu)	1	Enriching the Gikuyu heritage hence becoming a tourism attraction.	1 site	Publicity
Develop motor sports in the county	2	Attraction of participants and spectators from different parts of the country to Murang'a	1 motor sports proposal	Developing proposal Implement proposal
Establishing animal orphanage	2	Promote tourism	2 sites of animal	Construction of 2 animal

(Kangema and Kiharu)			orphanage	orphanages
Promotion & marketing Gakoigo Stadium (Games and agricultural shows) Kiharu)	2	Interest from football Clubs to play in Murang'a	Promotion & marketing 1 Stadium	Marketing
Develop high altitude sports training	2	Attracting high profile runners to training in Murang'a	High altitude sports training	Marketing Training
Develop a feasibility study and potential investors in cable cars.	2	Attracting a potential investor in financing the cable cars	Develop 1 feasibility study and potential investors in cable cars.	Feasibility study Marketing
Identify and cluster NGO's to align to County objectives.	1	Alignment of NGO's objectives with the county goals	Identify and cluster 10 NGO's to align to County objectives.	Identify NGOs Cluster
Commercialisation of the sale of sand and quarry products.	1	Lucrative income for the county	250M	Develop 1 paper on commercialisation of the sale of sand and quarry products.
Develop Investor incentive packages	1	An elaborate and informative concept paper which can convince an investor to finance projects in Murang'a	Develop incentives for attracting investors	Concept paper
Develop a PPP engagement framework	1	Mutual benefits are enjoyed between the public and private partnerships	Develop 1 PPP engagement framework	Engaging private firms Developing framework
Create a county investment corporation	1	Establishment of an investment corporation	Develop 1 county investment corporation	Registration
Improve water billing and collection system	1	Improved water billing and collection system	Facilitate 1 stakeholder session for players in the water sector	Stakeholder session for players in the water sector in the county
Engage with energy generating companies for revenue contribution.	1	Improved revenue to the County government	All energy generating companies in the County	Meetings with energy generating companies

Map up and develop automated collection strategies for all agro-cess based businesses	1	Establishment of clearly defined automated collection strategies for all agro-cess based businesses.	All wards	Develop strategies Implementation
Develop legislate revenue optimization bills	1	Creation of a harmonized legislative revenue optimization bills	All wards	Develop, harmonize and legislate revenue optimization bills
Increase sources of revenue from donors and development partners	1	Establishment of a structure for leveraging on donor facilities and external funding	Develop 1 structure	Structure to help leverage on donor facilities and external funding
Hold investor conference	1	Attracting investors into the county	Hold 1 investor conference	Engage in publicity strategies such as: <ul style="list-style-type: none"> • Websites • Media Advertisements • Brochures and Flyers
Profile carbon sinks and apply for carbon credits	1	Venturing in carbon credits	1 Application	Application
Develop harmonized tariffs for production based businesses.	1	Agreed tariffs with businesses	All wards.	Map businesses Meetings to agree on tariffs
Carry out resource mapping, exploration and valuation	1	Successful resource mapping and valuation of discovered minerals	All wards	Map resources, explore, value, exploit
Develop a tourism county marketing, branding strategy and communication.	1	Increase in the number of local and international tourists coming to Murang'a	Strategizing and branding 1 tourism county marketing	
Map and develop tourism sites, circuits and events	1	Identification of tourist attractions and events in Murang'a	tourism circuits in all wards	
Develop hotels and conferencing facilities consider PPP e.g. with	1	Increase employment/business opportunities and living standards	Hotels and conferencing facilities	

KICC			developed in all wards	
Promotion & marketing of Mukurwe Wa Nyagathanga and other heritage sites	1	Enriching the Gikuyu heritage hence becoming a tourism attraction.	1 site established	
Develop motor sports in the county	1	Attraction of participants and spectators from different parts of the country to Murang'a	Proposed 1 motor sports developed	
Establishing animal orphanage	1	Promote tourism	2 sites of animal orphanage established	
Promotion & marketing Gakoigo Stadium (Games and Agricultural shows)	1	Interest from football Clubs to play in Murang'a	1 Stadium marketed and promoted	
Develop high altitude sports training	1	Attracting high profile runners to training in Murang'a	High altitude sports training	

Industrialization

Name of project Location	Objectives	Target	Description of Activities
Wholesale and retail outlet in Maragua Sub County	To strengthen informal trade through in infrastructure, training and linking to wider local and global markets.	1 wholesale hub developed	
Industrial Development Centre	Promotion of Jua kali artisans.	7 CIDCs developed	
Joint Loans Board	Increase the efficiency of the board; Provide credit to MSMES.	2 billion value of loans disbursed	
Micro, Small and Medium Enterprises Training	To improve entrepreneurial skills of small business people	2800 MSEs trained in the 7 sub-counties	
Mapping of businesses	To come up with county traders data bank.	Businesses mapped and categorized in the whole county	
Establish Physical Metrology Laboratory	Traceability of standards	1 physical metrology laboratory built and equipped	
Investment mapping	To come up with County investment opportunities data bank	Investment opportunities mapped and categorized	
Resource Information Centers	Availability of information of trade and investment	7 resource centers established and equipped	
Setting up fully equipped weights and measures office	Increased consumer confidence and protection	1 weights and measures office equipped	
Facilitate MSEs to participate in local, regional and international exhibitions and trade fairs	To enhance MSEs access to markets	1000 MSEs facilitated to attend trade fairs and exhibitions	
Develop, upgrade/re-design the worksites to adapt to the market needs	To create a conducive work environment for MSEs	Worksites developed and upgraded	
Develop MSEs industrial parks	To expose MSEs to technology and knowledge transfer	Industrial parks developed in all the Sub counties	
Develop a feasibility study and potential investors in cable cars.	Attracting a potential investor in financing the cable cars	1 feasibility study developed for cable cars	
Carry out resource mapping, exploration and valuation	Successful resource mapping and valuation of	All wards covered	

	discovered minerals		
Create a county investment corporation	Establishment of an investment corporation	1 county investment corporation developed	

Persons with disabilities

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Tax exemption All persons with disabilities who operate businesses themselves should be exempted from paying taxes including Levies Work permits Trade licenses				
Reservation of trading spaces in all markets and stalls for persons with disabilities which are accessible and disability friendly.				

Public Participation

Stakeholders and members of the public should be consulted in the taxations policies formulated by the county government. Tax is very expensive for many farmers who want to sell their produce

7.2.5 Strategies to Mainstream Cross-Cutting Issues

Deliberate efforts will be put in place to reduce poverty levels for those engaged in this sector through acceleration of trade and industrial activities. Industries will be required to maintain the health, safety and environmental requirements to avert disasters in places of work. HIV and AIDs programmes at work place will be initiated and made integral part of routine work.

Promotion of tourism in the county will create new job opportunities and markets for farm products. By embracing ICT the sector will promote cultural tourism products as a brand and market county tourism locally and internationally.

In mainstreaming of cross cutting issues, the subsectors will provide training for women and youth engaged in sector related activities. All subsectors will integrate security issues in their activities in order to sustain growth and promote more investment.

7.3 Energy, Infrastructure and ICT (EII)

The sector is represented in the county by the following sub sectors: County government, roads, transport, energy, public works, and information and communication.

7.3.1 Sector Vision and Mission

Vision

A World class provider of cost-effective physical and ICT infrastructure facilities and services

Mission

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

7.3.2 County Response to the Sector Vision and Mission

To attain the vision and the mission, the county has continued to implement the annual road works programme in collaboration with other stakeholders to put in place the necessary infrastructure for rapid socio-economic development. The county will intensify routine maintenance of road network in and upgrade the earth road to all weather roads. Efforts have been made to expand the rural electrification programmes to cover most trading centres and expand ICT coverage to improve communication to open up commerce and trade. ICT is expected to ensure that information has been disseminated to the masses and also provide the public with correct information and create/portray a good image of the government. Most government department house ICT equipment but they are not fully utilized and the emphasis will be therefore on upgrading ICT skills and expanding existing facilities. The county will work closely with the existing research institutions to Develop ICT skills.

7.3.3 Role of stakeholders

The following are the roles of stakeholders in the EII sector.

Stakeholder	Role
Government agencies	Provide policy direction, financing, supervision and implement programmes. Classification of roads and laying of infrastructure
County governments	Promotion of investments and improvement and maintenance of infrastructure
Private sector	Finance, provision of services provision of infrastructure
Local community	Identify needs and prioritise them.

	Ownership and provision of security to the infrastructure
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7.3.4 Sector resources, constraints, achievements and strategies

Priorities	Resources	Constraints	Achievements	Strategies
	Murram, quarrying materials for road construction and maintenance, business oriented people, tea coffee cess, devolved funds , numerous river which generate hydro power ,	Inadequate funding; Steep terrain rendering rehabilitation costly; Poor harmonization of road work plans between KeRRA, KENHA, KURA, tea and coffee cess committees, local authorities and CDF committees; Encroachment that inhibit roads development. Frequent power outages; Transformer Vandalism Rampant theft of computers. High operation costs.	Increased electricity connectivity through REP, Routine maintenance of all roads, provision of ICT training and supply of ICT equipment to some institutions of learning, Increased access to computers through zero rating of ICT equipment by the government	Harmonize all road works in the county; Mobilize donor; programmes on road improvement; Public education on maintaining roads. Public education; Involve consumers on policing on power lines and transformers; Connect more consumers. Increase use of internet services in the county; Proper dissemination of information at all levels

7.3.4 Projects/ Programmes

The county has no flagship project but has 19 other projects in the energy, infrastructure and ICT sector. There are no stalled projects in this sector. There are six new projects in the sector, but there are no outstanding projects/ programmes.

On-going Projects/ Programmes

a) Flagship Projects

There are no flagship projects in this sector.

b) Other Projects/Programmes:

Energy

I. New project proposals

Project Name	Priority ranking	Objectives	Targets	Description of activities
Develop and implement a rural electrification master plan (County Wide)	1	A Rural electrification master plan		
Construct a biogas plant (County Wide)	1	Provide alternative source of power	1	Construction Piping
Construction of 5Mw power plant (County Wide)	1	Increased access to cheap sustainable source of energy	1 in the county	Construction Electromechanical works
Installation of power to all institutions in the County (County Wide)	1	Increased access to sustainable source of energy	All institutions not connected	Power line Connections
Alternative energy sources for house holds (County Wide)	1	Provide alternative sources of energy	County wide	Research Construction Training Installation
Provision and maintenance of new and existing floodlights (Major Towns)	1	Improved security	All major towns	Purchasing Installation Maintenance
Review and restructure water management systems (County Wide)	2	A streamlined and efficient water management system for drinking and irrigation	Working system for all wards	Review of current system Restructuring
Revive Kabirwa Airstrip (Kiharu)	2	To improve transport of agricultural produce	1 airstrip	Feasibility study for Kabirwa airstrip

Other Projects

Project Name	Priority ranking	Objectives	Targets	Description of activities
Develop a road network master plan (County wide)	1	To have a feasible road network master plan	1 master plan	Developing of plan
Develop a maintenance program for existing roads (County wide)	1	To have all the existing roads rehabilitated	Maintain all roads	Map all roads Develop programme Maintenance works
Acquire construction equipment	1	To have serviceable construction equipment	As per the needs	Tendering

(County wide)				
Develop cost effective material acquisition program (County wide)	1	Acquiring the required material at the desired/budgeted cost	1 programme to help purchase enough materials	Develop and implement programme
Maintaining Parking Bays (County wide)	1	Accessible parking bays for citizens in Murang'a	All major towns	Tendering Construction works
Provision of boda boda sheds (County wide)	1	Completed boda boda sheds	All major towns	Tendering Construction works
Develop a water master plan (County wide)	1	A feasible and comprehensive water master plan for the county	County wide	Develop plan Implement
Management of transport system (County wide)	1	An organised transport system that will reduce the number of accidents	1 system covering all wards	Development of plan Implementation Monitoring
Rehabilitation of old county hall chambers (County HQRS)	1	Conversion to a modern auditorium meeting room	Reduction of conference charges	Documentation tendering Construction supervision
Renovate existing markets (County wide)	2	Renovation of markets in Murang'a	All markets	Tendering Renovation works
Expansion of existing drinking water distribution network(County wide)	1	An established and operational water and distribution network.	County wide	Tendering Construction works
Rehabilitate and expand the sewer system (Murang'a townships)	2	A well connected sewer drainage system.	1 sewer drainage	Tendering Construction works
Automation system for project management (County wide)	2	An automated system for managing projects	All projects	Tendering Construction works
Generate electricity using mini-hydro, solar and wind energy (County wide)	1	To increase energy sufficiency	Increased electricity supply	Construction works
Installation of electricity to all schools (County wide)	1	To supply all school with electric power	All schools electrified	Installation works
Develop ICT Centres and improve connectivity (County wide)	1	Improve ICT connectivity	All counties connected to Fibre optic	Construction works
Develop and rehabilitate sub county offices	1	Improve service delivery of the public	Conducive working environment	
Construction of foot bridges	2	Accessibility to various location	Major settlement area	
Provision of equipments for project implementation	1	Improve servicedelivery	Rapid result initiative	

Fire station and equipment	1	Training Provision of 3 fire engines	Fire station in the HQ Fire Equipments	Procurement of fire engines and equipments documentation
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Infrastructure Roads

I. On going Project

The following are the ongoing Projects/ Programmes in the roads sub- sector

Project Name & Location	Objectives	Targets	Description of Activities
Kahaini-Mukarara-Roads E504/E508/E1556/E1559; Gatanga Constituency.	To improve and rehabilitate the roads to all weather status.	To gravel 32 Km of roads.	Graveling; Culverting; Protection of works; Drainage works.
Road c67/D413 Thika – Gatura and Gatanga – Ndakaini roads; Gatanga Constituency.	Improve communication between Thika and Gatanga agricultural area.	Rehabilitation of 50Km.of road to bitumen standard.	Re-carpeting; resealing; Drainage works.
Improvement to paved standard of Mackenzi-Kandara Road; Kandara Constituency.	To improve mobility and road conditions.	Tarmac 6.7 Km.	Site improvement; pavement construction and surface dressing to improve road to paved standards by contract.
URA 40 Bridge (C70 Kamurugu - E510 Kaguthi); Kandara Constituency.	To improve mobility and road conditions.	Construct box culvert of 10m x 4.0m x 2.0m.	Construction of box culvert; Backfilling the approaches; Improving bad road section.
E1570 (E530 Kagira – D416 Kariua); Kandara Constituency.	To improve mobility and road conditions.	8.54 Km.	Light bush clearing; Drainage works; Striping and grubbing; Reshape by labour; Excavate in soft material.
E514 (Nguthuru- Gakui); Kandara Constituency.	To improve mobility and road conditions.	12.9 Km	Setting out; Light bush clearing; Drainage works; Reshape by labour; Striping and grubbing; Gravel patching.
URA 40 (C70 Kamurugu - E510 Kaguthi); Kandara Constituency.	To improve mobility and road conditions.	8.2 Km	Setting out; Light bush clearing; Drainage works; Reshape by labour; Gravel patching; Striping and grubbing.
E510 (Kaguthi – Gacharage); Kandara Constituency.	To improve mobility and road conditions	8.8 Km	Setting out; Light bush clearing; Drainage works; Reshape by labour; Gravel patching; Striping and grubbing.
E1573 (Kandara – Karimawaro); Kandara constituency.	To improve mobility and road conditions.	2.14 Km	Setting out horizontal alignment; Light bush clearing; Striping and grubbing; Drainage works; Reshape by labour; Gravel patching; River training works.

Project Name & Location	Objectives	Targets	Description of Activities
RAR24 (Kandara – Makindi – Karimamwaro); Kandara constituency	To improve mobility and road conditions	12 Km	Setting out horizontal alignment; Light bush clearing; Stripping and grubbing; Drainage works; Reshape by labour; Gravel patching; River training works.
E513 (C70 Kahaini – D415 Kiranga); Kandara Constituency.	To improve mobility and road conditions.	6.3 Km.	Setting out horizontal alignment; Light bush clearing; Stripping and grubbing; Drainage works; Reshape by labour; Gravel patching; River training works.
E516 (Karugia – Nguku – Turuturu); Kandara Constituency.	To improve mobility and road conditions.	22 Km.	Setting out horizontal alignment; Light bush clearing; Stripping and grubbing; Drainage works; Reshape by labour; Gravel patching.
E1555 (Kibereke-Naaro); Kandara Constituency.	To improve mobility and road conditions.	5 Km.	Light bush clearing; Stripping and grubbing; Drainage works; Reshape by labour; Gravel patching.
E530 (Muruka-Githima); Kandara Constituency.	To improve mobility and road conditions.	10 Km.	Light bush clearing; Stripping and grubbing; Drainage works; Reshape by labour; Gravel patching.
Githiga – Kanyenyaini E 523; Kangema Constituency	Improve mobility and production of tea.	8Km.	Upgrade to bitumen standard.
Mihuti – Wanjerere – Kihoya E543; Kangema Constituency.	Improve mobility and production of tea and other subsistence crops.	32.42Km.	Upgrade to bitumen standard.
Njumbi – Mioro E546; Mathioya Constituency.	Improve mobility, production of coffee and tea and other subsistence crops.	14.9Km.	Improve drainage and gravel the road.
Gakonya – Mahuaini – Boyle E559/E554; Kiharu / Mukurueini Constituency.	Improve mobility, production of coffee & linking Mukurueini with Murang'a	10Km.	Upgrade to bitumen standard
Improvement to paved standards of Road D416/E518/URA1; (Kabati-Kariua-Mareira); Kandara Constituency.	To improve mobility and road conditions.	32 Km.	Site improvement, pavement construction and surface dressing to improve road to paved standards by contract.
C70/D414/E509 (A2 Thika-Gacharage-Githumu-Kangare); Kandara Constituency.	To improve mobility and road conditions.	7Km.	Rehabilitation of the road to paved standards.
D414 (Githumu – DB Thika).	To improve mobility and road conditions.	8Km.	Site improvement, pavement construction; Surface dressing to paved

Project Name & Location	Objectives	Targets	Description of Activities
			standard by contract.

III. Proposed Projects/New Projects

GATANGA WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL. (Gathuthu Access Road)	GATANGA		Improve accessibility especially in remote areas	2.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround Ditch Excavation
URP 21 (Kiriti - Gachogu Access Road)	GATANGA		Improve accessibility especially in remote areas	3.0	Light Grading Gravel Patching Culvert Installation 600mm with surround Ditch Excavation
UNCL. (Gathangari Access Road)	GATANGA		Improve accessibility especially in remote areas	2.0	Heavy Grading Gravel Patching Hardcore fill Culvert Installation 900mm with surround Culvert Installation 450mm
UNCL. (Kaweru Access Road)	GATANGA		Improve accessibility especially in remote areas	1.0	Road Formation Gravel Patching Culvert Installation 900mm with surround
UNCL. (Kiariuwa Access Road)	GATANGA		Improve accessibility especially in remote areas	1.5	Heavy Grading Gravelling Culvert Installation 600mm with surround Ditch Excavation
URA 57 (Kagiri Access Road)	GATANGA		Improve accessibility especially in remote areas	3.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround
UNCL. (Kianguru Access Road)	GATANGA		Improve accessibility especially in remote areas	1.5	Heavy Grading Gravel Patching Culvert Installation 600mm with surround
UNCL. (Turuga Access Road)	GATANGA		Improve accessibility especially in remote areas	1.5	Heavy Grading Culvert Installation 600mm with surround

URA 22 (Mbaki-ini Access Road)	GATANGA		Improve accessibility especially in remote areas	4.0	Heavy Grading Culvert Installation 600mm with surround
UNCL. (Kigunyu/Gatitu/Ruthiru Access Road)	GATANGA		Improve accessibility especially in remote areas	3.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround
E503 (Kahunyo - Kiriaini - Nagara-Kiama River)	GATANGA		Improve accessibility especially in remote areas	10.0	Light Grading Culvert Installation 600mm with surround Culvert Installation 450mm with surround
UNCL. (Rwegetha Sec. School Access Road)	GATANGA		Improve accessibility especially in remote areas	1.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround
E1561 (Itugi Ithatu/Kiriaini/Mbari Ya Ruga Access Rd)	GATANGA		Improve accessibility especially in remote areas	6.0	Light Grading Gravel Patching Culvert Installation 600mm with surround
URA 7 (Rwegetha/Mabae/Kiriara Access Roads)	GATANGA		Improve accessibility especially in remote areas	5.7	Light Grading Gravel Patching Culvert Installation 900mm with surround Gabion Installation Rockfill to Gabions

ITHANGA WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activities
E532 (Hakangasha - Kaguku - Kahuroko)	ITHANGA		Improve accessibility especially in remote areas	24.0	Cut to fill in soft material Culvert Installation 600mm with surround Culvert Installation 900mm with surround & Headwalls Heavy Bush Clearing Cut to fill in hard material Construction of Scour Checks (Masonry)
URF 35 (Jn. E532 St. Teresa's -	ITHANGA		Improve accessibility especially in remote	6.5	Heavy Grading Gabion Installation (2 x 1

Ngurunga Pri. - Muthithi Farmers Co-op.)			areas		x 1)m Rockfill to Gabions
UNCL. (Jn. E532 - Kirathani - Mama Gachie)	ITHANGA		Improve accessibility especially in remote areas	2.0	Culvert Installation 600mm with surround & Headwalls Light Grading Heavy Bush Clearing
UNCL.(Jn. E532 - Ha Kimani Gachie)	ITHANGA		Improve accessibility especially in remote areas	2.5	Heavy Grading
UNCL. (Jn. E532 - Mungetho - Ha Wamuraya)	ITHANGA		Improve accessibility especially in remote areas	2.5	Light Grading Culvert Installation 600mm with surround & Headwalls Drift Construction by contract
UNCL. (Jn. E532 Apostolic Church - Kamuiru)	ITHANGA		Improve accessibility especially in remote areas	2.0	Culvert Installation 600mm with surround & Headwalls Heavy Grading Gabion Installation (2 x 1 x 1)m Rockfill to Gabions
URF 23 (Jn. E532 CDF Office - Mwanja Mbogo - Kanduri Pri. School)	ITHANGA		Improve accessibility especially in remote areas	8.7	Excavation of Ditch Gabion Installation (2 x 1 x 1)m Rockfill to Gabions Culvert Installation 900mm with surround & Headwalls Culvert Installation 600mm with surround & Headwalls Light Grading Drift Construction by contract
UNCL. (Jn. E532 Kaguku - Cornerstone)	ITHANGA		Improve accessibility especially in remote areas	2.0	Culvert Installation 1200mm with surround & Headwalls Light Grading Culvert Installation 600mm with surround & Headwalls Gravel Patching Selected Granular Fill Materials
UNCL. (Hussein - Nyaitira)	ITHANGA		Improve accessibility especially in remote areas	2.0	Light Grading Culvert Installation 600mm with surround & Headwalls

URF 22 (Jn. E532 - Ithanga Sec. School - Rurii)	ITHANGA		Improve accessibility especially in remote areas	5.4	Culvert Installation 900mm with surround & Headwalls Culvert Installation 600mm with surround & Headwalls Light Grading
UNCL. (Ngeleiya - Gachagi)	ITHANGA		Improve accessibility especially in remote areas	2.0	Light Grading Culvert Installation 600mm with surround & Headwalls
UNCL. (Jn. URA 18 - Rubiru - Mavoloni)	ITHANGA		Improve accessibility especially in remote areas	3.0	Light Grading Culvert Installation 600mm with surround & Headwalls Culvert Installation 1200mm with surround & Headwalls

MUGUMOINI WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL. (Hon. Njoroge Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	0.5	Heavy Grading Gravel Patching
URA 43 (Laini - Gatoka Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	2.7	Light Grading Gravelling
URA 9 (Kimatu - Nganga-ini Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	2.5	Light Grading Gravel Patching Culvert Installation 600mm with surround
UNCL. (Gatunyu - Kahurura Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	2.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround
UNCL. (Kigio - Matinga Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	0.5	Heavy Grading Gravel Patching
UNCL. (Kigio - Junction Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	0.5	Heavy Grading Gravel Patching Culvert Installation 600mm with surround
UNCL. (Kigio - Ha Pius Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	0.5	Light Grading Gravel Patching

					Culvert Installation 600mm with surround
UNCL. (Mununga - Ngeca Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	3.0	Heavy Grading Gravel Patching
UNCL. (Kahiti Mugumo Ndogo - Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	2.0	Heavy Grading Gravel Patching
URA 20 (Giatutu - Shopping Centre Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	2.5	Light Grading Gravel Patching
UNCL. (Four Quarry - Mithandukuini Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	3.0	Heavy Grading Gravel Patching
URA 50 (Ithangarari Access Road)	MUGUMOINI		Improve accessibility especially in remote areas	2.5	Light Grading Gravel Patching Culvert Installation 600mm with surround
UNCL. (Gatunyu Shoping Centre)	MUGUMOINI		Improve accessibility especially in remote areas	2.0	Heavy Grading Gravel Patching Culvert Installation 450mm with surround
URP 10 (Jn. C67 - Rwaitira)	MUGUMOINI		Improve accessibility especially in remote areas	2.0	Light Grading Gravel Patching Culvert Installation 450mm with surround Culvert Installation 600mm with surround
UNCL. (Samuru)	MUGUMOINI		Improve accessibility especially in remote areas	1.5	Heavy Grading Gravelling
E1552 (Kigio - Gatunyu)	MUGUMOINI		Improve accessibility especially in remote areas	4	Culvert Installation 1200mm with surround Hardcorefill Gravel Patching

KARIARA WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
D414 (Gataka-ini - Karangi - Kimandi)	KARIARA		Improve accessibility especially in remote areas	6.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround Construction of Box culvert by Contract
URA 53	KARIARA		Improve accessibility	2.0	Heavy Grading

(Ndunyu Chege - Gitiri (Gathwariga)			especially in remote areas		Gravel Patching Culvert Installation 600mm with surround
UNCL. (Kimandi - Ngerechi - Kiawamarwa - Wanyaga)	KARIARA		Improve accessibility especially in remote areas	6.0	Heavy Grading Gravelling
UNCL. (Kiganjo Pri. - Rukindu)	KARIARA		Improve accessibility especially in remote areas	2.0	Heavy Grading Gravelling
E1557	KARIARA		Improve accessibility especially in remote areas	5.0	Road Formation Gravelling
UNCL. (Macanani-ini Gathugu Foot path)	KARIARA		Improve accessibility especially in remote areas	2.0	Manual Road Reshaping Culvert Installation 600mm with surround
UNCL. (Kiarutara Ithanji Road)	KARIARA		Improve accessibility especially in remote areas	2.5	Heavy Grading Gravelling
UNCL. (Kamatiri Road)	KARIARA		Improve accessibility especially in remote areas	2.0	Light Grading Gravel Patching
UNCL. (Kiarutara - Kagongo)	KARIARA		Improve accessibility especially in remote areas	2.0	Heavy Grading Gravel Patching
UNCL. (Karangia Footpath)	KARIARA		Improve accessibility especially in remote areas	2.0	Manual Road Reshaping Construction of Cascades Stone Pitching Channels (drainage)

KAKUZI MITUBIRI WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL. (Ithanga - Chaume - Kihato Road)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	10.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround
UNCL.(Ithanga - Kahuho Road)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	20.0	Heavy Grading Culvert Installation 600mm with surround
UNCL. (Ithanga Gaichanjiru Road)			Improve accessibility especially in remote areas	10.0	Heavy Grading Culvert Installation 600mm with surround
D 424 /E 491. (Kitito - Macvast Road)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	14.0	Heavy Grading Gravel Patching

E 492. (Kitito - Kahonoki Road)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	7.3	Heavy Grading Bridges repair
UNCL. (Macvast - Ngatho Junction)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	5.0	Construction of Vented Drifts Hardcore fill
UNCL. (Muti - Kwa Paul Road)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	5.0	Heavy Grading Gravel Patching
UNCL. (Mukundi - Power Line)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	4.0	Heavy Grading Hardcore Fill Drift Repair (Muti) Construction of Vented Drifts(Gatitika)
UNCL. (Kakuzi - Greystone - Mwana Wi Kiio - Gatwikira)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	18.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround Bridges repair(Gatuikira, Kabuku & Thamuru)
UNCL. (Kakuzi - Nanga)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	10.0	Heavy Grading Culvert Installation 900mm with surround Hardcore fill
UNCL. (Shauri - Kihukambi - Kahuho - Stima)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	15.0	Heavy Grading Gravel Patching
UNCL. (Mwana Wi Kiio - Salvation Army)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	5.0	Gravel Patching Culvert Installation 600mm with surround
UNCL. (Kihiu - Kenya Cutlings Road)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	3.0	Gravel Patching
UNCL. (Kihiumwiri Land Scheme) - Access roads	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	35.0	Heavy Grading
UNCL. (Mwana Wi Kiio Land Scheme)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	60.0	Heavy Grading Culvert Installation 1200mm with surround

UNCL. (Greystone - Nanga Road)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	5.0	Heavy Grading Gravel Patching Culvert Installation 600mm with surround
UNCL. (Kwa Ndoge Road)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	3.0	Culvert Installation 1200mm with surround
UNCL. (Tara - Githioro)	KAKUZI MITUBIRI		Improve accessibility especially in remote areas	3.0	Heavy Grading

MURUKA WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL-Old A2 Makenji-Nguthuru Sec.E514 Gatumbu	MURUKA		Improve accessibility especially in remote areas	6km	Bush Clearing Tree & Stump removal Heavy grading
UNCL E514 Gicira-Kagenyo -Kanyiriini Catholic	MURUKA		Improve accessibility especially in remote areas		Heavy grading
UNCL Old A2 Njumbi-Makindi-D415 Makenji	MURUKA		Improve accessibility especially in remote areas	3km	Bush Cleaning
UNCL -D415 Kiranga-Kirurumo - Kiawambutu Primary	MURUKA		Improve accessibility especially in remote areas	4km	Bush Cleaning Tree & Stump removal Heavy grading Excavate in Hard material
UNCL R24 Kiawamtatu-Ithiru-Kamwaro	MURUKA		Improve accessibility especially in remote areas	2km	Bush Cleaning Heavy grading
UNCL-R24 Gatitu-Ngiriini-E515 Giachui	MURUKA		Improve accessibility especially in remote areas	4km	Bush Cleaning Heavy grading
R24-E514 Mwaniamhuri-Kiawambutu-E514 Mburu Nganga	MURUKA		Improve accessibility especially in remote areas	5km	Bush Cleaning Light grading
UNCL Mutura-Gituamba-Gaciriver-E513 Ngirima	MURUKA		Improve accessibility especially in remote areas	4km	Bush Cleaning Heavy grading Gravelling
UNCL	MURUKA		Improve accessibility		Bush Clearing

D415 KirangaFactory- Morison- Karumu Primary			especially in remote areas	4km	Tree & Stump removal Heavy grading
UNCL D415 Makuti-Rukira- Gataiyu-	MURUKA		Improve accessibility especially in remote areas	6km	Bush Clearing
Muruka Secondary	MURUKA		Improve accessibility especially in remote areas		Heavy grading Gravelling Tree & Stump removal
UNCL D415 Makuti-Muiru- Kiruthi D415	MURUKA		Improve accessibility especially in remote areas		Heavy grading
UNCL D415 Gituri(ha maina)- Thugi River	MURUKA		Improve accessibility especially in remote areas	1km	Bush Clearing Tree & Stump removal Heavy grading
UNCL D415 Muruka Dispensary -Thugi River(Quarry)	MURUKA		Improve accessibility especially in remote areas	2km	Bush Clearing Tree & Stump removal Heavy grading

RUCHU WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
E509 DB Thika E511 Kinyona (Mungaria- Githumu	RUCHU		Improve accessibility especially in remote areas	10 Km	Bush Cleaning Side Drains Scour Checks (Masonry) Culvert Desalting and Installation Headwall (Masonry) Gravel Patching
E1558 E510 Gathwariga-E509 Gitare	RUCHU		Improve accessibility especially in remote areas	6.2 Km	Bush Clearing Side drains scour checks (masonry) culvert desalting Reshaping(2Km) Gravelling
UNCL D414 Makuti- Gichakayo/Muigariua	RUCHU		Improve accessibility especially in remote areas	3 Km	Bush clearing Stripping & Grubbing Reshaping River training Side drains

					scour checks (masonry) culvert installation with surround headwall (masonry) Gravelling
UNCL C70 Ndurumoini-E1569 Gako	RUCHU		Improve accessibility especially in remote areas	4 Km	Bush clearing Heavy grading Gravelling

NGARARIA WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
Uncl. C70 Ngararia-E1555 Naaro	NGARARIA		Improve accessibility especially in remote areas	2.5Km	Bush Clearing Tree & stump removal Heavy grading River training Gravelling Excovate hard material
UNCL. C70 Kawendo-E513 Kariru	NGARARIA		Improve accessibility especially in remote areas	4.2Km	Bush clearing Heavy grading
UNCL. E513-Kariru-Kirarii- Ngararia Pri.	NGARARIA		Improve accessibility especially in remote areas	1Km	Bush clearing Tree & stump removal Heavy grading
Uncl URA2 Kaloleni-Kahara- Gitige	NGARARIA		Improve accessibility especially in remote areas	2km	Bush Clearing Tree & stump removal Heavy grading
UNCL. C70 Kwamarima-E1555 Naaro-Kiriko	NGARARIA		Improve accessibility especially in remote areas	2.3Km	Bush Clearing Tree & stump removal Heavy grading Gravelling
Uncl E581 Mugecha Jct.- Kibuu Nursery kwa Muite	NGARARIA		Improve accessibility especially in remote areas		Bush clearing Tree & stump removal Heavy grading
Uncl. E513 St. Christine Pri- Mwachigi farm	NGARARIA		Improve accessibility especially in remote areas	2Km	Bush clearing Tree & stump removal Heavy grading
UNCL. E513 Motel/Giathita- E1555 Joviol school	NGARARIA		Improve accessibility especially in remote areas	1.8Km	Bush clearing Tree & stump removal Heavy grading
UNCL.	NGARARIA		Improve accessibility	2Km	Bush clearing

URA Z Hamweji-Ngararia/Naaro C70			especially in remote areas		Tree & stump removal River training Heavy grading
UNCL. Kaburugi-Kanjama-Kwa Muite	NGARARIA		Improve accessibility especially in remote areas	4km	Bush Clearing Heavy grading Gravelling
UNCL. Waitua Rd. - Kiriko Road	NGARARIA		Improve accessibility especially in remote areas	6km	Bush Clearing Tree & stump removal Heavy grading
Uncl Kawendo Pri-Kahara village-Gitige	NGARARIA		Improve accessibility especially in remote areas	2Km	Bush clearing Tree & stump removal Heavy grading

ITHIRU WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
E1574 D415 Orphanage- E1568 Mukuria	ITHIRU		Improve accessibility especially in remote areas	6Km	Bush Clearing Side Drains Scour Checks (Masonry) Culvert desalting Gabion installation Rock fill to gabion Reshaping Gravelling
UNCL. E1574 Gatundu-Githuya/Kiriko/Irima	ITHIRU		Improve accessibility especially in remote areas	6km	Bush clearing Tree & stump removal Grubbing Heavy grading side drains Scour checks (masonry) Gravelling Culvert installation with surround Headwall (masonry) Horizontal alignment

GAICHANJIRU WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
E516 C71 Karugia-Githima-	GACHANJIRU		Improve accessibility		Ditch/mitre drain/catch water drain excavation Heavy bush clearing

Nguku-C70 Gituya			especially in remote areas		Light manual reshaping Gravel patching Gabion installation Rock fill to gabion Head wall (Masonry) Scour checks (masonry)
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KAGUNDU-INI- WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL. E1575 Kareti sec sch. Gatuikira	KAGUNDU-INI		Improve accessibility especially in remote areas	2.5km	Bush Clearing Tree and stump removal Heavy grading Gravelling
UNCL. Old A2 Kabati- Gitathi-D416 Uachegecha	KAGUNDU-INI		Improve accessibility especially in remote areas	12km	Bush Clearing Tree and stump removal Heavy grading Gravelling

RWATHIA WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
NYAGATUGU-KIBAGE- KAGAITA- KIIRINI-RWATHIA	RWATHIA		Improve accessibility especially in remote areas	16	heavy bush clearing road reshaping(grading) opening of road with shovel installation of culvert diamater 900mm
Kayu shopping centre- Kagondo River	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading) opening of road with shovel installation of culvert diamater 600mm
Wa G.G Acess road- Kihoya- Kiawambogo	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading) opening of road with shovel installation of culvert diamater 900mm
Nyachi-Gikomboki road	RWATHIA		Improve accessibility especially in remote areas	4.2	heavy bush clearing road reshaping(grading)

			areas		opening of road with shovel installation of culvert diameter 900mm
Gichobo-Matuiku road - Gihuru-Mucharika	RWATHIA		Improve accessibility especially in remote areas	8	heavy bush clearing road reshaping(grading) installation of culverts 900mmm
Ndegwa -Ngunguru-gachami-micharange	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading) installation of culvert diameter 600mm opening of road with shovel
Kiawambogo-Nderi-ini-Kiruthi kiira-ini- Rwathia	RWATHIA		Improve accessibility especially in remote areas	7	heavy bush clearing road reshaping(grading) road opening with shovel installation of culvert diameter 600mm
Kenya Njeru-Githiabu-Kahuro-Gatwe-Karurumo	RWATHIA		Improve accessibility especially in remote areas	5.6	heavy bush clearing road reshaping(grading) installation of culvert diameter 600mm
Gutuamba-Tatu-Kamugwongo	RWATHIA		Improve accessibility especially in remote areas	5	heavy bush clearing road reshaping(grading) installation of culvert diameter 900mm
Makueni-Irura-ini- kwa wakanyingi	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading) installation of culvert diameter 600mm
Wanjerere Catholic church- Thangathe rvr-Kiangari	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading) opening of road with shovel installation of culvert diameter 600mm
Mwisho wa Raha-Inatake water	RWATHIA		Improve accessibility especially in remote areas	6	heavy bush clearing road reshaping(grading) installation of culvert diameter 600mm
Githini-Kiangari	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading)
Kiamungi-Githiru	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading)

Damaris-Barara road- Kirundu-ethan rd	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading) road opening with shovel installation of culvert diamater 600mm
Kiawambogo-Mutara- Tuthu	RWATHIA		Improve accessibility especially in remote areas	8	heavy bush clearing road reshaping(grading) installation of culvert diamater 600mm
Tuthu shopping centre- Wainaina	RWATHIA		Improve accessibility especially in remote areas	4	heavy bush clearing road reshaping(grading) installation of culvert diamater 600mm
Gichobo-Githunguri- Mucharika	RWATHIA		Improve accessibility especially in remote areas	8	heavy bush clearing road reshaping(grading)

MUGURU WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
Njana foot bridge - boyorvr	MUGURU		Improve accessibility especially in remote areas	2.5	Improvement of access I) Bush clearing II) Manual reshaping Constructionof foot bridge
Kiangombe-Thangathi foot bridge rvr	MUGURU		Improve accessibility especially in remote areas	1.5	Improvement of access I) Bush clearing II) Manual reshaping Constructionof foot bridge Protection of gully
Ndiara foot bridge	MUGURU		Improve accessibility especially in remote areas	2	Improvement of access I) Bush clearing II) Manual reshaping Constructionof foot bridge
Jct E540 irima-kanorero kangema pry sch-Gaite- Gikura	MUGURU		Improve accessibility especially in remote areas	15	heavy bush clearing road reshaping(grading) opening road with shovel Installation of gabions Rock fills to gabion installation of culvert diamater 600mm
URP1 Karikonda- githunguri karugia-karirau	MUGURU		Improve accessibility especially in remote areas	9	heavy bush clearing road reshaping(grading) installation of culvert diamater 600mm

					installation of gabions Rock fill to gabion
Irima-Gatitu-Kiamuthe tea buying centre	MUGURU		Improve accessibility especially in remote areas	5.5	heavy bush clearing road reshaping(grading) opening road with shovel installation of culvert diamater 600mm
Karugia Kari-ini-Shella	MUGURU		Improve accessibility especially in remote areas	2.9	heavy bush clearing road reshaping(grading) installation of culvert diamater 600mm
Jct E 539 Gaito- Thieikwa Gikura-Mbari	MUGURU		Improve accessibility especially in remote areas	7.5	heavy bush clearing road reshaping(grading) road opening with shovel installation of culvert diamater 600mm
Jct C70 Irima -Matuku- ini Gakoigo Church	MUGURU		Improve accessibility especially in remote areas	10	heavy bush clearing road reshaping(grading) installation of culvert diamater 600mm
JCT E 539Githunguri- Ndune-Cera	MUGURU		Improve accessibility especially in remote areas	5	heavy bush clearing road reshaping(grading) road opening with shovel installation of culvert diamater 600mm
Jct E539 Gaito-Ngari Shem	MUGURU		Improve accessibility especially in remote areas	5	heavy bush clearing road reshaping(grading) road opening with shovel installation of culvert diamater 600mm
Ihiga-ini-Ndugururu	MUGURU		Improve accessibility especially in remote areas	4.5	heavy bush clearing road reshaping(grading) road opening with shovel installation of culvert diamater 600mm
Jct E539 Kangondu- Gitindiri	MUGURU		Improve accessibility especially in remote areas	6	heavy bush clearing road reshaping(grading) road opening with shovel installation of culvert diamater 600mm
Jct D422 Kioho-Mirichu Githiga-	MUGURU		Improve accessibility especially in remote areas	2.5	heavy bush clearing road reshaping(grading) installation of culvert diamater 900mm

KANYENYA-INI WARD ROADS ESTIMATES

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
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KARURUMO FOREST-MUGUMO-INI MATHWE BOUNDER-KIHARU	KANYENYA-INI		Improve accessibility especially in remote areas	14.2	heavy bush clearing opening road with shovel heavy road reshaping(grading) installation of culvert diameter 900mm installation of culvert diameter 600mm
JCT GWASHEM-KARURA	KANYENYA-INI		Improve accessibility especially in remote areas	6	heavy bush clearing opening road with shovel heavy road reshaping installation of culvert diameter 600mm
KIBUTHA SHOPPING CENTRE-GITHIRU-GITHIGA	KANYENYA-INI		Improve accessibility especially in remote areas	8	heavy bush clearing opening road with shovel heavy road reshaping(grading) installation of culvert diameter 600mm
JCT T 3653 KAHINGAI-MUTARO-KIAHUHO T.B.C	KANYENYA-INI		Improve accessibility especially in remote areas	7.5	heavy bush clearing Heavy roads reshaping(grading) installation of culvert diameter 600mm
JCT E 1587 KIENI-KINGUI JCT-E511	KANYENYA-INI		Improve accessibility especially in remote areas	4	heavy bush clearing opening road with shovel installation of culvert diameter 600mm
IHIGA-KAYAWE RVR-MUGUMO-INI T.B.C JCT E 523	KANYENYA-INI		Improve accessibility especially in remote areas	5	heavy bush clearing opening road with shovel installation of culvert diameter 600mm
JCT E523 GACHOROMA-MUTUYA-INI	KANYENYA-INI		Improve accessibility especially in remote areas	4	heavy bush clearing Heavy roads reshaping(grading) installation of culvert diameter 600mm Installation of gabions Rock fill to gabions
JCT E 523 KIHUTI-INI-MBARI YA HITI	KANYENYA-INI		Improve accessibility especially in remote areas	5.2	heavy bush clearing Heavy road reshaping(grading) opening road with shovel installation of culvert

					diameter 600mm
JCT D422 KAWARIUA-IRIA YA KAGUGU JCT D422	KANYENYA-INI		Improve accessibility especially in remote areas	4.3	bush clearing road opening with shovel Heavy road reshaping(grading) Installation of culvert diameter 600mm gravelling,spreading,wate ring and compation Gravelling(quarry waste)

GATURI WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL. JCT D429 Ithare - Matongu Pri school	GATURI		Improve accessibility especially in remote areas	1.8KM	Bush Clearing Heavy grading
UNCL. Matongu-Jct 429 Kimathi Market	GATURI		Improve accessibility especially in remote areas	1.6KM	Bush Clearing Culvert installation Ø600 with surround Heavy grading
UNCL. Kimathi market - Gachura	GATURI		Improve accessibility especially in remote areas	1.7KM	Culvert installation Ø900 Heavy grading Bush clearing
UNCL. JCT D428-Kaigwa Primary school	GATURI		Improve accessibility especially in remote areas	0.3KM	Heavy grading Gravel Patching
UNCL. JCT D428-Murio Wanda Cattle Dip-Mathioya River	GATURI		Improve accessibility especially in remote areas	1KM	Heavy grading Bush clearing
UNCL. JCT D428 Green-Ndurumo	GATURI		Improve accessibility especially in remote areas	1.2KM	Heavy bush clearing Heavy grading Gravel patching
UNCL. JCT D428 Kiambuigi Markert - Murio Cattle dip	GATURI		Improve accessibility especially in remote areas	2.0KM	Bush clearing Heavy grading
UNCL. JCT. R.AR8 Gatari Catholic - R.A.R 8 Kabuta	GATURI		Improve accessibility especially in remote areas	2.6KM	Bush clearing Heavy grading
UNCL. JCT.D428 Hakamama-JCT E554 Kabui Primary School	GATURI		Improve accessibility especially in remote areas	1.6KM	Bush clearing Light grading Scour Checks

					Gravel Patching
UNCL. JCT.E554 Gichue-JCT R.A.R8 Gathanji	GATURI		Improve accessibility especially in remote areas	2Km	Bush clearing Heavy grading Culvert installation Ø900 Dozer
UNCL. JCT D428 Gakurwe market -JCT 426 Kwamambere	GATURI		Improve accessibility especially in remote areas	0.8KM	Bush clearing Gravel Patching Heavy grading
UNCL. JCT E554 A.C.K gatitu-JCT 540 Thuru Thuru	GATURI		Improve accessibility especially in remote areas	3Km	Bush Clearing Culvert installation Ø600 Heavy grading
UNCL. JCT D428 Kahigaini-Gacirago Coffee Factory -URP Gaitheri	GATURI		Improve accessibility especially in remote areas	2.1KM	Bush clearing Culvert installation Ø600 with surround Heavy grading
UNCL. JCT D428 Hakamama - JCT E553 Geitwa	GATURI		Improve accessibility especially in remote areas		Light grading Scour checks
UNCL. Kimathi School- Gituahiu	GATURI		Improve accessibility especially in remote areas	0.8Km	Culvert installation Ø 900 Bush clearing Heavy grading Gravel Patching
UNCL. JCT.R.A.R9 Kigetuini sch-A.C.K Kimathi	GATURI		Improve accessibility especially in remote areas		Heavy bush clearing Grading heavy Dozer Gravel Patching Light bush clearing
UNCL. Mwirua-Kangure Forest	GATURI		Improve accessibility especially in remote areas	5.0KM	Gravel Patching Heavy grading without water Ditch/mitre drain/catch water drain excavation Culvert cleaning-partially blocked-600mm Culvert installation 600mm with surround

MBIRI WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL Gikandu Market- Gakindu	MBIRI		Improve accessibility especially in remote areas	3KM	Light bush clearing Gravel patching Heavy grading Culvert installation 600mm with surround
JCT440 Ndikwe- Gathangaini	MBIRI		Improve accessibility especially in remote areas	1KM	Light bush clearing Gravel patching Filling harecore Heavy grading Culvert installation 600mm with surround
UNCL JCT D426 Kambirwa pri sch- Maragua River	MBIRI		Improve accessibility especially in remote areas	3.1KM	Light bush clearing Gravel patching Heavy grading Culvert installation 600mm with surround
Ngaini-Kanjuya	MBIRI		Improve accessibility especially in remote areas	14.0KM	Light bush clearing Heavy grading Gabion installation Gravel patching Rock fill to gabions Culvert clearing-partially blocked-600mm Culvert installation

MURARANDIA WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL. Matharite Town- Kayahwa Kanyenyaini	MURARANDIA		Improve accessibility especially in remote areas	2KM	Grading (heavy) Bush Cleaning Culvert installation Ø600 with surround Gravel patching
UNCL. Kamwiyoni Village-Gathamba Tea Buying Centre	MURARANDIA		Improve accessibility especially in remote areas	1.5KM	Bush Clearing Gravel Patching Light Grading

UNCL. Jct E522 Karuini-Jct D440 Murarandia	MURARANDIA		Improve accessibility especially in remote areas	4KM	Grading (Heavy) Gabion installation Rock fill to gabions Gravel patching
UNCL. Jct.D440 Gatuya-Jct E525 Kahithe Secondary school	MURARANDIA		Improve accessibility especially in remote areas	3.3KM	Bush Clearing Grading (Heavy) Culvert installation Ø600m with surround Gravel patching
UNCL. Jct.D422 Angola Tea buying centre - Kaganda Sec School	MURARANDIA		Improve accessibility especially in remote areas	2Km	Bush Clearing Heavy grading Gravel patching Culvert installation Ø900mm 1line

MUGOIRI WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
E524 Kahuro-Githagara	MUGOIRI		Improve accessibility especially in remote areas	3KM	Bush Cleaning Grading Culvert cleaning Gravel patching
UNCL. Yamugwe- Rugaita-Mirichu Pri school	MUGOIRI		Improve accessibility especially in remote areas	5KM	Bush Cleaning Grading
UNCL. Githagara- Kiumba-Githioro- Mitarakwa coffee factory	MUGOIRI		Improve accessibility especially in remote areas	10KM	Bush clearing Culvert clearing Gravelling Grading
UNCL. Gititu-Kiria- Ngaru-Muchuugucha	MUGOIRI		Improve accessibility especially in remote areas	10KM	Bush clearing Heavy grading Culvert installation Ø600
R.A.R 5 Mugoiri-Mbari ya hiti-Gitiri-Kahuro	MUGOIRI		Improve accessibility especially in remote areas	6km	Bush clearing Light grading Gravelling
UNCL Kiaguthu-Kiboi- mutitu	MUGOIRI		Improve accessibility especially in remote areas	3Km	Bush clearing Heavy grading

					Culvert installation Ø900
UNCL Mutunduru - Dr.Kiano Sec Chool	MUGOIRI		Improve accessibility especially in remote areas	1.5Km	Bush clearing Heavy grading
UNCL Kagira-Yamugwe	MUGOIRI		Improve accessibility especially in remote areas	1.5Km	Bush clearing Heavy grading Culvert installation Ø600
UNCL Gitiri - Githunguri	MUGOIRI		Improve accessibility especially in remote areas	4Km	Bush clearing Heavy grading
UNCL Gititu-Kamaguta-Kiratina	MUGOIRI		Improve accessibility especially in remote areas	4Km	Bush Clearing Heavy grading Culvert installation Ø600 Gravel Patching
UNCL Githiro-Munyutha-Kiria(JCT D421 Kagumo School	MUGOIRI		Improve accessibility especially in remote areas	6Km	Bush clearing Heavy grading Culvert installation Ø600 with surround
UNCL Mugoiri High Sch-Kinyoho-Mbari ya Hiti	MUGOIRI		Improve accessibility especially in remote areas	3KM	Bush clearing Heavy grading

TOWNSHIP WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
Project Name	Location/Wards	Priority/Ranking	Objectives	Targets	Description of Activities
UNCL Mumbi-Kambwe	TOWNSHIP		Improve accessibility especially in remote areas	2KM	Gravel patching Heavy grading without watering
UNCL Huhi Petrol Station-Mjini-Mukuyu	TOWNSHIP		Improve accessibility especially in remote areas	3KM	Light Bush Clearing Ditch/mitre drain/catch water drain excavation Gravel patching Culvert installation 600mm with surround
UNCL Mukuyu-Majoyce	TOWNSHIP		Improve accessibility especially in remote areas	2KM	Light Bush clearing Gravel patching Heavy grading
UNCL Kandu-Kiharu	TOWNSHIP		Improve accessibility especially in remote areas	1.5Km	Heavy grading Culvert installation Ø600 with surround
URA 6 Maragi-Embassy	TOWNSHIP		Improve accessibility especially in remote areas	5.5KM	light Bush clearing Gravel patching Heavy grading

					Culvert installation Ø600 with surround
JCT E534 Miyembeini-Karindundu Quarry	TOWNSHIP		Improve accessibility especially in remote areas	3KM	Light bush clearing Gravel patching Heavy grading with watering or compaction instructed by the Engineer

WANGU WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL Gathinja Market- JCT E1584/1585 Muirigo	WANGU		Improve accessibility especially in remote areas	4.5KM	Light Bush Clearing Heavy grading
UNCL Koimbi Market - JCT E1584/1585 Wanjengi cofee factory	WANGU		Improve accessibility especially in remote areas	1.5KM	Ligh Bush Clearing Gravel Patching Heavy Grading
UNCL (Loop) Koimbi Pri Sch-Koimbi A.C.K Church	WANGU		Improve accessibility especially in remote areas	4.7Km	Ligh Bush clearing Heavy grading Culvert installation 600mm with surround
UNCL JCT E537 Gitui- Gackaru-Gitige A.C.K Church	WANGU		Improve accessibility especially in remote areas	2.5km	Light Bush clearing Heavy grading
UNCL Kayahwe River(R.A.R 5A)-Kirogo Sec	WANGU		Improve accessibility especially in remote areas	3.3KM	Light Bush clearing Gravel patching Heavy grading
UNCL Jct E537 Gitui- Gacharu-Gitige A.C.K Churuch	WANGU		Improve accessibility especially in remote areas	2.5KM	Dozer Gravel patching Stone &Post checkdam
E539 Karichiungu Coffee Factory- Mukingai River	WANGU		Improve accessibility especially in remote areas	4.2KM	Light bush clearing Stone &Post checkdam Heavy grading without watering Gabion installation Gravel patching Rock fill to gabions

					Culvert cleaning-partially blocked-600mm
UNCL JCT E539 Mukungai-JCTC72 Mukangu	WANGU		Improve accessibility especially in remote areas	2Km	Light Bush clearing Gravel patching Heavy grading without watering Culvert installation 900mm with surround
UNCL Hangumba-Gitui-Gatheru-Gatundu	WANGU		Improve accessibility especially in remote areas	4.5KM	Light Bush clearing Heavy grading without water Scour checks Gabion installation Rock fill to gabions Culvert installation 600mm
UNCL JCT.C72 Gitweku-Mbari yaThuku	WANGU		Improve accessibility especially in remote areas	6.5KM	Light Bush clearing Gravel patching Heavy grading without watering Culvert installation Ø600 mm with surround
E437 JCT.D423 Maragi-Weithaga	WANGU		Improve accessibility especially in remote areas	16KM Rock fill to gabions	Light Bush clearing Heavy grading without watering Gabion installation Culvert cleaning - partially blocked - 600mm

KAMACHARIA

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL.41 Keni-Kairi-Gachirago	KAMACHARIA		Improve accessibility especially in remote areas	12 Km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
UNCL.32 Kagwanja Pry Sch-URA2-Kamacharia	KAMACHARIA		Improve accessibility especially in remote areas	3Km	Light Bush Clearing

					Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Jun D428 Kagwanja-Kairi -P C E A Church	KAMACHARIA		Improve accessibility especially in remote areas	2km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. D428 Kamacharia-Ihiga-via mbari ya ngechu	KAMACHARIA		Improve accessibility especially in remote areas	7km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL 5 Keni-Kamune	KAMACHARIA		Improve accessibility especially in remote areas	2.2km	Light Bush Clearing Ditch Cleaning Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
UNCL 62 Kihoni factory-Gaithunu Pry Sch	KAMACHARIA		Improve accessibility especially in remote areas	3Km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Tvuri dispensary-Karugiro-Iria-ini	KAMACHARIA		Improve accessibility especially in remote areas	8km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Mbari ya Nyaga-Karugiro cf-Thuita Pry Sch	KAMACHARIA		Improve accessibility especially in remote areas	6km	Light Bush Clearing Heavy grading without watering or compaction instructed

					by the Engineer Culvert Installation 600 mm with surround
UNCL. Ngurweini-Gatura	KAMACHARIA		Improve accessibility especially in remote areas	6km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
UNCL. Jun E553 Iruri-Jun URA4-Thuita	KAMACHARIA		Improve accessibility especially in remote areas	4km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 900 mm with surround Culvert Installation 600 mm with surround
UNCL. D428 Hajoseph-Gacibi	KAMACHARIA		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Kamacharia-Kiburu-Gacibi	KAMACHARIA		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 900 mm with surround
UNCL. Ngurue-ini-Kianjoki-Gatura	KAMACHARIA		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Wakabene-Kiria-Rwarai	KAMACHARIA		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround

KIRU WARD

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
UNCL. URA2 Ruma ruma -New city	KIRU		Improve accessibility especially in remote areas	5 Km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. E540 Managa- ACK Church	KIRU		Improve accessibility especially in remote areas	0.2Km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. E540 Kagumoini-URA2 Kagumo-ini	KIRU		Improve accessibility especially in remote areas	1.3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
URP25 Bagdad- Warugara Shopping Centre	KIRU		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
URP25 Kirigu-ini Kaharo tea buying centre	KIRU		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL Equity Kiria-ini- Ngarange C70	KIRU		Improve accessibility especially in remote areas	2Km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer

					Culvert Installation 600 mm with surround
E540 Kagumoini-E540 Managa	KIRU		Improve accessibility especially in remote areas	1.6km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL.14 541 Kiriko-E541 Kiriko Pry Sch.	KIRU		Improve accessibility especially in remote areas	0.8km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
UNCL. C70 Waranga-Kiru Sch.	KIRU		Improve accessibility especially in remote areas	1.2km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
UNCL. URP25 Irima TCC-Gachuha bridge-Gatiki	KIRU		Improve accessibility especially in remote areas	2.5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Kiangugi-Mwangathia Shopping Centre	KIRU		Improve accessibility especially in remote areas	2.8km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Maria-ini - Ireke village	KIRU		Improve accessibility especially in remote areas	2km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Gitwe-Kairo-Kabokoe	KIRU		Improve accessibility especially in remote areas	3km	Light Bush Clearing

			areas		Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. E511 Kihari-Ndundu-ini	KIRU		Improve accessibility especially in remote areas	3.5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Jct E511 Kiamuturi-Nguru-ini	KIRU		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Jct E511ruru-Jun E511 Hembe	KIRU		Improve accessibility especially in remote areas	5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. E511Miro-T3651 Kiamahindu TCC	KIRU		Improve accessibility especially in remote areas	3.5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. T3651 Muthangari-Muthangari Pry Sch-Kiriti ACK Church	KIRU		Improve accessibility especially in remote areas	1km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround

Gitugi

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
E542 Gondo-Kanjahi	Gitugi		Improve accessibility	6.7 Km	Light Bush Clearing

			especially in remote areas		Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Cleaning-Partially blocked-600mm Culvert Cleaning-Fully blocked-600mm Culvert Installation 600 mm with surround
UNCL. C70 Mihuti-Kirimiga	Gitugi		Improve accessibility especially in remote areas	4Km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
UNCL. D427 Wangondu-D427 Muiri-ini	Gitugi		Improve accessibility especially in remote areas	2.4km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. E1592 Karia-ini - E1592 Thakumi	Gitugi		Improve accessibility especially in remote areas	1.5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. Access-Ya Karengo-Nyangiti-Police &H/C	Gitugi		Improve accessibility especially in remote areas	2.2km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
UNCL. D427 Kanoru-Mukui	Gitugi		Improve accessibility especially in remote areas	2Km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround

UNCL. E1592-Gitugi-Gitugi H/Centre & DO'S	Gitugi		Improve accessibility especially in remote areas	0.2km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Installation 600 mm with surround
E1594 Thuitu-Kanjahi	Gitugi		Improve accessibility especially in remote areas	6.7km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Gravel Patching Culvert Cleaning-Partially blocked-600mm Culvert Cleaning-Fully blocked-600mm Culvert Installation 600 mm with surround
UNCL. D427 Muirimi-Mathioya	Gitugi		Improve accessibility especially in remote areas	1.5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. E546-Mutunguru-Kiandarwa-Kagongo	Gitugi		Improve accessibility especially in remote areas	4km	Light Bush Clearing Culvert Installation 600 mm with surround
UNCL. C70 Kangunu C.Factory-Kairi-ini	Gitugi		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. D427 Nyagacheru-Mathioya-Kaheta	Gitugi		Improve accessibility especially in remote areas	2.5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. E1594 Chui-Karuku-Kiruyu	Gitugi		Improve accessibility especially in remote areas	3km	Light Bush Clearing Heavy grading without

					watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. D427 Gitugi- E1594 Kirembu	Gitugi		Improve accessibility especially in remote areas	2km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. E1592 Gitugi- Kihiti-ini	Gitugi		Improve accessibility especially in remote areas	1km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. D427 Kang'ongi- lhara	Gitugi		Improve accessibility especially in remote areas	2.5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. D427 King'etho- Kinguri	Gitugi		Improve accessibility especially in remote areas	3.0km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround
UNCL. 58 E1592 Kambara-Kangui	Gitugi		Improve accessibility especially in remote areas	2.5km	Light Bush Clearing Heavy grading without watering or compaction instructed by the Engineer Culvert Installation 600 mm with surround

Nginda Ward

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
G1 Maragua Hosp-Jct D419	NGINDA		Improve accessibility especially in remote areas		Light Bush Clearing Unblocking cross culvert 600mm diameter

					Light Grading Gravel Patching
Unclassified 1 Jct G1 Gikidu-Jct D419 Nginda	NGINDA		Improve accessibility especially in remote areas		Heavy Bush Clearing Unblocking cross culvert 600mm dia. Heavy Grading Gravel Patching Culvert Installation 600mm dia Scour Checks Installation(Masonry)
Unclassified 2 Jct E528 Irembu Mrt -Nyerere ACK Chrch	NGINDA		Improve accessibility especially in remote areas		Light Bush Clearing Unblocking cross culvert 600mm dia. Light Grading Gravel Patching Culvert Installation 600mm dia Culvert Installation 900mm dia
E527 Jct D419 Karimaini-JctE528 Kaharo	NGINDA		Improve accessibility especially in remote areas		Light Bush Clearing Unblocking cross culvert 600mm dia. Heavy Grading Gravel Patching
Unclassified 4 Jct E528 Kaharo-Kaagio	NGINDA		Improve accessibility especially in remote areas		Light Bush Clearing Culvert Installation 900mm dia Heavy Grading Gravel Patching
Unclassified 7 Jct E528 Itaaga-Kareti	NGINDA		Improve accessibility especially in remote areas		Heavy Bush Clearing Culvert Installation 600mm dia Heavy Grading Gravel Patching with Quarry Waste
Unclassified 8 Jct E528 Kirundo-Jct E528 Kwa Mbui	NGINDA		Improve accessibility especially in remote areas		Light Bush Clearing Culvert Installation 600mm dia Heavy Grading Gravel Patching
Unclassified 9 Jct D420 Nginda Girls-D421 Iregi	NGINDA		Improve accessibility especially in remote areas		Light Bush Clearing Culvert Installation

					600mm dia Light Grading Gravel Patching
Unclassified 14 Jct D421 Gakoigo-Ikondo	NGINDA		Improve accessibility especially in remote areas		Light Bush Clearing Scourchecks Installation(Masonry) Light Grading Gravel Patching
Unclassified 17 Jct E529 Gataga-Jct D420 Kigoru	NGINDA		Improve accessibility especially in remote areas		Heavy Bush Clearing Culvert Installation 600mm dia Heavy Grading Gravel Patching with Quarry Waste Scourchecks Installation(Masonry)

MAKUYU Ward

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
E532 Jct D424 kirimiri- Kangacha shopping	MAKUYU		Improve accessibility especially in remote areas	11.2	Fill material Light Grading Gravel Patching Culvert Installation 900 mm with surround Gabion Installation
Unclassified 2 Jct E532 Miuu-Jct D424 Kakuzi	MAKUYU		Improve accessibility especially in remote areas	16	Fill materil on box culvert approches Light Bush Clearing Heavy Grading Gabion boxes Culvert Installation 600mm with surround
Unclassified 3 Jct URA 7-Ndera Pry Sch - Ciumbu Mrt	MAKUYU		Improve accessibility especially in remote areas	1.4	Light Bush Clearing Culvert Installation 600 mm with surround Heavy Grading Gravel Patching
URA 7 Makuyu Girls sec-D424 Makuyu	MAKUYU		Improve accessibility especially in remote areas	3.5	Culvert Installation 600 mm with surround Fill material Light Grading Light Bush Clearing Gravel patching
Unclassified 6 Jct RAR 21 Pundamili-Ngathaga	MAKUYU		Improve accessibility especially in remote	4.6	Light Grading

pry sch			areas		Gravel patching Head wall Repair
Unclassified 7 Jct URA 8 Makuyu-Pundamilia Mrt	MAKUYU		Improve accessibility especially in remote areas	2.6	Light Grading Gravel patching
Unclassified 8 Jct D424 makuyu-D424 Pundamili stage	MAKUYU		Improve accessibility especially in remote areas	2	Light Grading Gravel patching

KAMBITI Ward

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
Unclassified 2-Jct A2 Kwagendo-Masina A	KAMBITI		Improve accessibility especially in remote areas		Light Bush Clearing Scour checks Installation Heavy Grading Gravel Patching Gabion boxes (2m*1m*1m)
Unclassified 3-Jct URA 28 Kanoo-Gitune	KAMBITI		Improve accessibility especially in remote areas		Heavy Bush Clearing Culvert Installation 600 mm with surround Heavy Grading Fill material Gabion boxes (2m*1m*1m)
Unclassified 4-Jct URA Slaughter-Jct A2 Kasethe	KAMBITI		Improve accessibility especially in remote areas		Heavy Grading Heavy Bush Clearing
Unclassified 5-Jct A2 Kwa Jacob-Gitune	KAMBITI		Improve accessibility especially in remote areas		Heavy Grading Fill material Culvert installation 900 mm with surround(twin) Heavy Bush Clearing
Unclassified 7-A2 Kambiti Pry Sch- Muthaga Farm	KAMBITI		Improve accessibility especially in remote areas		Heavy Grading Heavy Bush Clearing Fill material
Unclassified 9-Jct 533 Ngaruya-Wakoge	KAMBITI		Improve accessibility especially in remote areas		Heavy Grading Gabion boxes (2m*1m*1m) Culvert installation 900 mm with surround(twin) Heavy Bush Clearing

					Box Culvert
Unclassified 10-Jct 533 Githioro-Muthaga	KAMBITI		Improve accessibility especially in remote areas		Light Bush clearing Light Grading Gravel Patching
Unclassified 11-Jct 533 Kiambamba-Mataka River	KAMBITI		Improve accessibility especially in remote areas		Light Bush clearing Light Grading Gravel Patching

KIMORORI Ward

Project Name Location	Location/Ward	Priority Ranking	Objective	Target KM	Description of Activites
Unclassified 1-A2 Mitin- Kakuzi-Kanyagu	KIMORORI		Improve accessibility especially in remote areas	8	Heavy Grading with watering & compaction Fill material Ditch/Mitre drain /catch water drain excavation Heavy Bush Clearing Gravel Patching with quarry waste Culvert Installation 900 mm with surround Gabion Installation
Unclassified 2-A2-Kenol- Mangoto	KIMORORI		Improve accessibility especially in remote areas	3.5	Culvert Installation 900 mm with surround Heavy Grading Gravel Patching with quarry waste Fill material Gabion installation
Unclassified 3-Jct E1577 Kagaa - Makeu	KIMORORI		Improve accessibility especially in remote areas	2.5	Culvert Installation 900 mm with surround Light Bush Clearing Heavy Grading Gravel Patching with quarry waste
Unclassified 4-Jct D416 - Githanji Pri. School	KIMORORI		Improve accessibility especially in remote areas	3	Light Bush Clearing Culvert Installation 600 mm with surround Heavy Grading
Unclassified 5-Jct D416 CCF Mithi - Magoto - Ngimu	KIMORORI		Improve accessibility especially in remote areas	3	Light Bush Clearing Culvert Installation 600 mm with surround Heavy Grading

ICHAGAKI Ward

Project Name	Location/Ward	Priority Ranking	Objectives	Target (KM)	Description of Activities
Unclassified 1-C71 St Mary -Jct E530 Mugumoini	ICHAGAKI		Improve accessibility especially in remote areas	4	Light Grading Gravel Patching Culvert installation 900 mm with surround(twin) Light Bush Clearing Unblocking cross culvert 600mm dia.
Unclassified 2-C71 Maragua-Jct URA 23 Mathuthini	ICHAGAKI		Improve accessibility especially in remote areas	2.8	Culvert Installation 600 mm with surround Light Bush clearing Light Grading Gravel Patching
URA 27-D424 Itherui -E 1581 Kaharati Pry Sch	ICHAGAKI		Improve accessibility especially in remote areas	5.1	Light Grading Light Bush Clearing Gravel patching Culvert Installation 600 mm with surround
URA 36-Jct E529 Itara-Kiriti-E 528 Githambara	ICHAGAKI		Improve accessibility especially in remote areas	3	Light Bush Clearing Fill material Gravel patching Gabion boxes (2m*1m*1m) Installation
URA70-E530 Munguini-E1582 Githuya	ICHAGAKI		Improve accessibility especially in remote areas	2.5	Light Bush Clearing Light Grading Gravel patching
Unclassified 3-Jct D419 Gikomora-Gitige-Jct D419 Muthithi	ICHAGAKI		Improve accessibility especially in remote areas	2.6	Light Bush Clearing Light Grading Gravel patching
Unclassified 4-Jct E530 Maragua-Ikuyu-Mugumo-ini	ICHAGAKI		Improve accessibility especially in remote areas	2	Heavy Bush Clearing Light Grading Gravel patching
Unclassified 5-Jct E530 Githugu-Kiamakumi	ICHAGAKI		Improve accessibility especially in remote areas	2.1	Heavy Bush Clearing Light Grading Gravel patching Culvert Installation 600 mm with surround
Unclassified 7-Jct E529 Kamira-Jct D418 Muthithi	ICHAGAKI		Improve accessibility especially in remote areas	3.3	Light Bush Clearing

					Light Grading Gravel patching Culvert Installation 600 mm with surround
Unclassified 8-Jct E529 Ichagaki Boys-Jct E528 Irembu	ICHAGAKI		Improve accessibility especially in remote areas	1.5	Light Bush Clearing Light Grading Gravel patching Culvert Installation 600 mm with surround
Unclassified 9-E529 Ichagaki Mrt-Jct E1582 Githuya	ICHAGAKI		Improve accessibility especially in remote areas	2.3	Light Bush Clearing Light Grading Gravel patching
Unclassified 10-E530 Kianjiru-ini-Mugumo-Gititu	ICHAGAKI		Improve accessibility especially in remote areas	1.2	Light Bush Clearing Light Grading Gravel patching
Unclassified 11-Jct URA 36-Jct D419 Gikomora	ICHAGAKI		Improve accessibility especially in remote areas	1.8	Heavy Bush Clearing Heavy Grading Gravel patching Culvert Installation 600 mm with surround
URA 23-C71 Muthuthini-D424 Small Earth	ICHAGAKI		Improve accessibility especially in remote areas	2.7	Light Bush Clearing Light Grading Gravel patching Unblocking cross culvert 600mm dia.
URA 25-C71 SDA-D424 Itherui	ICHAGAKI		Improve accessibility especially in remote areas	4.2	Light Bush Clearing Light Grading Gravel patching Unblocking cross culvert 600mm dia.

KAMAHUHA

Project Name	Location/Ward	Priority Ranking	Objectives	Target	Description of Activities
UNCL. Hamambo-Jct Kahaini Primary school	KAMAHUHA		Improve accessibility especially in remote areas	300Mt	Gravel patching
UNCL. Hakamundu-P.C.E.A Wathiani	KAMAHUHA			3KM	Gravel Patching

UNCL. Muteithania-Gathuri-Gaturi-Karugia	KAMAHUHA			5KM	Bush clearing Grading Gravel Patching Culvert installation
UNCL. Hakabii-Wathiani Primary School	KAMAHUHA			2KM	Gravel patching
UNCL. Igikiro-Ndorome	KAMAHUHA			5.5KM	Bush Clearing Grading Gravel patching
UNCL. Kamahuha-Thara Bridge	KAMAHUHA			1KM	Gravel patching
UNCL. 1 Jct URA 67 Igikiro-Nyongo-Jct Iganjo	KAMAHUHA			3 Km	Gravel Patching Heavy grading without watering Construction of scour checkss(masonry) Light Bush Clearing
UNCL. 3 Jct URA 67 Iganjo-Quarry	KAMAHUHA			1Km	Fill material Heavy Bush Clearing Gabion installation
E1581 C71 Kaharati-D424 Kamahuha-C71 Saba	KAMAHUHA			2.30km	Gravel Patching with compaction
UNCL.7 Kiha PCA Church-Jct D 424 Kamahuha	KAMAHUHA			3.30km	Light Bush Clearing Light Grading without watering Gravel Patching Culvert Installation 600 mm with surround
UNCL 8 Kamahuha mrt-Kahaini lwr-Jct E1581	KAMAHUHA			2.40km	Light Bush Clearing Light Grading without watering Gravel Patching
UNCL.11 Jct E1581	KAMAHUHA			2km	Heavy Bush Clearing

Kahaini upper-Jct E1581 Nyagati					Light Grading without watering Gravel Patching Culvert Installation 600 mm with surround
UNCL.14 Karathe Mosque-Railway line Thuita Pry Sch	KAMAHUHA			1.50km	Light Bush Clearing Light Grading without watering Gravel Patching
UNCL.16 Jct E1581 Railway-Jct 1581 Sabasaba	KAMAHUHA			3.30km	Heavy Bush Clearing Heavy grading without watering Gravel Patching

KIGUMO WARD

Project Name	Location/ Ward	Priority Ranking	Objectives	Target (KM)	Description of Activities
GACHOCHO-TURUTURU(R22)	KIGUMO		Improve accessibility especially in remote areas	6.5	Gabion installation Rock fill to gabion Heavy grading Gravelling Stone and post check dam
GAKARE-MARUMI	KIGUMO		Improve accessibility especially in remote areas	2	Light grading Gravelling
KII INI- KAMKUNJI	KIGUMO		Improve accessibility especially in remote areas	2	Survey works Heavy grading Bush clearing
KAREGA-SUTA	KIGUMO		Improve accessibility especially in remote areas	1.2	Heavy grading Gravelling
MATHARE INI-ITHAYA RIVER	KIGUMO		Improve accessibility especially in remote areas	2	Survey works Heavy grading Bush clearing
KIGUMO POLYTECHNIC-KIGUMO PRIMARY	KIGUMO		Improve accessibility especially in remote areas	3	Bush clearing Survey works Heavy grading
MUTHITHI-MATHAREINI(E516)	KIGUMO		Improve accessibility especially in remote areas	7.5	Heavy grading Gabion installation Rock fill to gabion Bush clearing

					Gravelling
KIRERE-MUTUNGURU	KIGUMO		Improve accessibility especially in remote areas	3	Heavy grading Post and stone check dams Bush clearing Survey works
PIUS MUIRURI ACESS ROAD	KIGUMO		Improve accessibility especially in remote areas	1.5	Heavy grading gravelling
KIRIAGORO-IRATI	KIGUMO		Improve accessibility especially in remote areas	2	Survey works Heavy grading Post and stone check dams
THAGAINI-MARUMI	KIGUMO		Improve accessibility especially in remote areas	4	Heavy grading Bush clearing Survey works
KIGUMO-APOLO	KIGUMO		Improve accessibility especially in remote areas	3	Bush clearing Heavy grading Survey work

KANGARI WARD

Project Name	Location/Ward	Priority Ranking	Objectives	Target (KM)	Description of Activities
TAMBUA-KANGARI	KANGARI		Improve accessibility especially in remote areas	3	Bush clearing Heavy grading Gravelling
KANYORE-IRIGUINI	KANGARI		Improve accessibility especially in remote areas	3.2	Bush clearing Heavy grading Scour check installation Gravelling
KANYORE-KAKOINE	KANGARI		Improve accessibility especially in remote areas	5	Bush clearing Heavy grading Gravelling
MURURI INE-MARIRA	KANGARI		Improve accessibility especially in remote areas	7	Bush clearing Heavy grading Gravelling
MARIRA SEC-KIHOKO	KANGARI		Improve accessibility especially in remote areas	3	Heavy grading Gravelling Scour check installation
KATUNDO-MBURU INE	KANGARI		Improve	3	Survey work Bush clearing

			accessibility especially in remote areas		Heavy grading Gravelling
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KINYONA WARD

Project Name	Location/Ward	Priority Ranking	Objectives	Target (KM)	Description of Activities
KAREGA-KAMUNGANGA, MUNUNGA	Kinyona		Improve accessibility especially in remote areas	22	light grading Gravelling Bush clearing

MUTHITHI WARD

Project Name	Location/Ward	Priority Ranking	Objectives	Target	Description of Activities
HEHO-GACHATHI-KAMBI BUNGE (URA 54)	MUTHITHI		Improve accessibility especially in remote areas	10.5	Survey work Scour check installation(masonry) Culvert installation 900mm diameter with surround Heavy grading Bush clearing gravelling
NJORA-NJORA FACTORY(URA 710)	MUTHITHI		Improve accessibility especially in remote areas	2.1	Survey work Scour check installation(masonry) Heavy grading Gravelling Bush clearing
KIAHITI-GITHUNGURI	MUTHITHI		Improve accessibility especially in remote areas	4.5	Light grading Gravelling Culvert installation 600mm diameter with surround Scour check installation (masonry) Survey work

KAHUMBU WARD

Project Name	Location/Ward	Priority Ranking	Objectives	Target	Description of Activities
KIAMBOGO ACCESS ROAD	KAHUMBU			3	Culvert installation 600mm diameter with surround Heavy grading with watering and compaction Gravel patching Bush clearing
MWEMA ACCES ROAD	KAHUMBU			4	Culvert installation 600mm diameter with surround Heavy grading with watering and compaction Rock fill to swamp Gravel patching
MWOTOTO ACCESS ROAD	KAHUMBU			2	Culvert installation 600mmdia with surround Heavy grading with watering and compaction
RWATHIA GIKUNDU-KAHUHO	KAHUMBU			3	Culvert installation 600mm diameter with surround Culvert installation 900mm diameter with Surround Stone and post check dams Gravelling Gabion installation Rock fill to Gabion Bush clearing H/grading
KANDANI-NDONGA KAIRI ACCESS ROAD (URA 38)	KAHUMBU			9	Heavy grading with watering and compaction
Jack Mbogoini access road	KAHUMBU			3	Culvert installation 600mm diameter with surround Stone and post check dams Heavy grading with watering and compaction Bush clearing

					Rock fill to swamp Gravel
MUGUMOINI- MBARI YA KIOGO ACCESS ROAD	KAHUMBU			1.2	Bush clearing Culvert installation 600mm diameter with surround Post and stone check dams Heavy grading with watering and compaction Gravel
KARABAI GATUNGU ACCESS ROAD	KAHUMBU			4	Culvert installation 600mm diameter with surround Gabion installation Rock fill to gabion Post and stone check dams Heavy grading with watering and compaction Bush clearing
KAGWETHU- KAMUNGU KAGONGA ACCESS ROAD	KAHUMBU			3.5	Culvert installation 600mm diameter with surround Post and check dams Heavy grading Bush clearing
GUTUNDUNGURU- KAGONGA MBOGOINI ACCESS ROAD	KAHUMBU			3	Gabion installation Rock fill to gabion Culvert installation 600mm diameter with surround Scour check installation(masonry) Heavy grading Gravel
Githioro Karuri bridge road	KAHUMBU			4	Culvert installation 600mm diameter with surround Catch water drain excavation Gabion installation Rock fill to gabion Heavy grading Gravel
KAHARIRO- MWERA ACCESS ROAD	KAHUMBU			4	Scour check installation Heavy Grading
GITHEMBE KIRIGU	KAHUMBU			4	Culvert installation 600mm diameter with surround Gabion installation Rock fill to gabion Post and stone check dams Heavy grading with

					watering and compaction
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ii) Stalled projects

There are no stalled projects.

(iii) Out Standing Projects/Programmes

The sector has no outstanding projects/ programmes.

Infrastructure - Electricity

Proposed projects Include:

Village	Public Facilities in Village	Amount (Kshs)	HT (m)	Tx (kva)	LV (m)	Location
Karinga	Kaagu and ngewa tea buying center	2,619,190	1250	1x25	50	Kinyona
Kagundu	1. Tumaini ndara and gituamba tea buying center. 2 Mukoe,Kiaro tea buying center.	2,515,990		4*25	50	Kinyona
Karinga Karabai	Karabai tea buying	2,672,139	1450	1x25	50	Kinyona
Kinyona Karera ngoru gichuka.	1.Karera ngoru to gichuka tea buying	2,567,900		3*25		Kinyona
Gikoe	1. Ndune and ititu tea buying. 2. Gachengo shopping center 3. Irati and kagimbiini tea buying center 4. mienyere and kimenywa tea buying	1,916,654	750	3x25	50	Kamukab i
Rarakwa Weru	1. Weru tea buying. 2. Gakumburu tea buying 3. Nyanyeni tea buying. 4. Nyona tea buying	2,127,112	900	4x25	50	Kamukab i
Central gacharage	mahehe tea buying	1,807,340	750	1x25	50	Gachara ge
Upper gacharage	1. Gathukiini and kiayoga tea buying. 2. Thenge ini tea buying, 3. Kabuteti tea buying. 4. Njoguini tea buying	1,887,832	680	6x25	50	Gachara ge
Central gacharage	Muchagatha and rwanaga tea buying	1,452,410	500	2x25	80	Gachara ge
Kinyona Thenge-ini	Thengeini tea buying	1,581,273	650	1x25	50	Kinyona
Gikoe 2	1. Ndune and ititu tea buying 2. Ngonda solace line 3. Giathuku and ndiara	843,146	0	7x25	50	Kamukab i

	tea buying center					
Gacharage	Cumbiri and gaitukia tea buying	839,136	0	2x25	50	Gacharage
Rarakwa		714,599	0	1x25	50	Kamukabi
Central gacharage	1. Mairungi tea buying 2. Muchagatha, mairungi, rwanyaga na wamunga tea buying 3. Haraka and itikaru tea buying 4. Kamahiga and ngurumo tea buying 5. Ngorogocho and githunguri tea buying	3,607,173	1750	10x25	50	Gacharage
Gatumbi	Kanyiriri and kiandegwa tea buying	2,500,989		2*25		Gachoch o
Ndugamano	Ndugamano churches and kariti	3,567,009		3*25		
		33,219,892	8,680	12x25	630	

5. Security Lights

Provide security lights to the following shopping centers to stimulate local businesses and enhance security.

Githembe Shopping Centers	Weru tea buying center	Ass Chief Camp Kibutha	Kiringiti Village
Kahaini Shopping Centre	Ihiga tea buying center	Ithiru tea buying center	Kang'arathi tea buying center
Ngararia Shopping Centre	Ititu tea buying center	Kamakua A & B	Ichich primary
Kibereke Shopping Centre	Kamaguchu tea buying center	Kiriko tea buying center	Kanua gathi village
Kaburugi Shopping Centre	Kariaini tea buying center	Kianjuru tea buying center	Independent church
Kibuu Shopping Centre	Kahuaga tea buying center	Kirangi tea buying center	Githiga AP Post
Mathuri Shopping Centre	Rutara tea buying center	Kiewi tea buying center	Gatang'ara Seveth day church
Hilton Shopping	Kandatha tea buying	Mwihoko tea buying center	Gituikira tea buying center

Centers	center		
Kahaini Shopping Centre	Mukungi tea buying center	Chief Camp Karuru	Kibutha Seventh day church
Karuiro Shopping Centers	Kibutha Primary School	Wathiru tea buying center	Kiangotho tea buying center
Gachocho Shopping Centers	Wangara shopping center	At Mathuri ya Kati	At Kahera Market adjacent area
Gatumbi Shopping Centers	Githae shopping center	At Kibuu ya Kati	At Gitige village and adjacent area
Rarakwa Shopping Centers	Kagundu Shopping Centers	At Kawendo P.C.E.A Church and adjacent areas	At Kahera Market adjacent area
Muito Shopping Centers	Between – Gitiri and mburi ya Hiti	Irawa village	In mwitumberia banana buying centre
Gikoe Shopping Centers	Between – Githagara and mitarakwa coffee factory	Gatundu village	Kirimiri social hall
Gacharage Shopping Centers	Between ndituri and kiria through mugumoini	Gitaro village	Kianjugu ACK church
Mukoma Shopping Centers	Kamoro village	Kiumba village	Karima kogi church
Gakuyu Shopping Centers	Gathiru village	Mwitumberia catholic and Anglican churches	Mithini polytechnic
Kandari Shopping Centers	In all primary schools	All tea buying centers Kandari Ward	In all nursery schools
Mukoe Shopping Centers	Magomano Shopping Centers	Boro Shopping Centers	Gichuka Shopping Centers
Karinga Shopping Centers	Mugumi-ini Shopping Centers & Chiefs Camp		

Information and Communications Technology (ICT)

Vision:

To deploy appropriate Information and Communication Technologies (ICT) as the enabler of operations and quality service delivery within the next five years

Mission:

To transform the County into a modern entity that utilizes state of the art technology to improve efficiency and effectiveness of its operations, delivering first class service to its people.

Goal:

To ensure the County has in place cost effective ICT services that will improve the service delivery processes to support successful provision its services.

Objectives:

The ICT strategic objectives are to:

- a. Manage-ICT use and security issues in a comprehensive and coordinated way
- b. Improve the technical infrastructure to facilitate communication and automation of key business functions
- c. Build implementation capacities and change management
- d. Document and implement database management principles
- e. Improve interaction with stakeholders

Sectoral strategic issues:

Each strategic objective is translated into implementation strategies and plans as follows:

- a. Policies, Procedures and Processes
- b. Hardware and communication strategy
- c. ICT Governance and Capacity Building Strategy
- d. Data and Information Strategy
- e. Public Access Strategy

Information Communication Technology (ICT) Projects

I. Proposed /On Going Project

Name of project & Location	Objectives	Target	Description of Activities
Objective 1:			
Development of County ICT policy and strategy	Manage-ICT use and security issues in a comprehensive and coordinated way	Policies, Procedures and Processes	
Objective 2:			

Acquisition of equipment and Establishment of networks	Improve the technical infrastructure to facilitate communication and automation of key business functions	Hardware and communication strategy	
Objective 3:			
Capacity Building on ICTs	Build implementation capacities and change management	ICT Governance and Capacity Building Strategy	
Objective 4:			
Development of an Enterprise Resource Planning (ERP) software	Document and implement database management principles	Data and Information Strategy	
County Human Resource Information System	Automate HR Records	County database	
Digitalization of HR Records	Scan and store HR records	Scanned records	
Objective 5:			
Design and development of County website	Improve interaction with stakeholders	Public Access Strategy	

II. New Projects Proposals

Project Name	Priority ranking	Objectives	Targets	Description of activities
Design and launch website (Head Quarters)	1	Operational and up to date website	1 website	Designing Launching
Extension of fiber optic cable to all major towns (County wide)	1	To improve internet connectivity	All major towns	Laying the cable
Constructing and equipping ICT and documentation centers (County wide)	1	To enhance connectivity and access of information by the citizens	Construct and equip 35 ICT Centers in county Constituency; Train 500 youths in each ward	Capacity building on youth on business and IT development skills, online training courses and accessibility of e-government services and literature materials
Installation of satellite communication network in public institutions (County wide)	1	To enhance connectivity	Provide communication gadgets to all public institutions	Provision of telecommunication gadgets (HF radio) for institutions not

				covered by telephone network
Provision of speedy internet equipment (County wide)	1	Enlighten the communities	All ward headquarters. All schools in the sub-county	Establishment of ICT laboratory in schools and institution Inclusion of ICT in curriculums
Increase network coverage across the county by all service providers (County wide)	1	To enhance connectivity	Connectivity in all wards in the County	Installation of communication of masts
ICT training and capacity building (County wide)	2	All County staff become conversant with ICT	As per the established needs	Trainings
Telephony connection project sub-county (County wide)	2	Establishment of a LAN and WAN for sharing between the county and sub-county.	County wide telephone connection	Tendering Lan and Wan connectivity
Establish a county communication center (Headquarters)	1	Management of media communication and branding of the county government	1 county communication centre	Construction works Equipping
Establish sub county communication center	2	Management of media communication and branding of the county government	8 sub county communication centre	Construction works Equipping
County communication and marketing strategy (Headquarters)	1	Improved communication and county brand	County Communication strategy	Developing strategy Implementation
Establish BPO center for Murang'a (Kiharu)	2	Increase employment levels	1 BPO center	Tendering Construction works Equipping
Installation of CCTV surveillance system (County wide)	2	To enhance Security	County offices	Supply Install, Maintain, communication of security issues
Recruitment of ICT staffin accordance with the organisation structure	1	For developed management of ICT infrcustructure		
Establish Murang'a County TV & Radio (Kiharu)		Information dissemination with a view of marketing the county as a whole	1 TV station 1 Radio Station	Obtain specification

Proposed Ward Projects

Water

New project	Priority Ranking	Objectives	Targets	Description of activities
1. Irrigation water to be supplied to all the four locations of the ward namely				
2. Kinyona location with a population of 6600 at 2009 census				
3. Gacharage location with a population of 6672 at 2009 census				
4. Kamukabi location with a population of 7823 at 2009 census				
5. Gachocho location with a population of 7686 at 2009 census				
6. Ngutheru water project				
7. Makenyi water project				
8. Gatumbo water project				
9. Kanyirini water project				
10. Githama water project				
11. Githamba water project				
12. Muywi-riaro water project				
13. Gataiyu water project				
14. Mutundu water project				
15. Wanyerere Water Project – Extension of main pipeline to serve Kanguru to Burara, Nyagatungu to Kihoya. Kanguru Rwathia to Kenyanjeru				

16. Kahata Water Project – Expansion and extension to serve Kanini tea buying center area kahingae				
17. Rwathi gravity irrigation water project water source intake Aberdare forest to serve the whole ward				
18. Spring protection – Mugwangare Thangathi				
19. Gia Agachika				
20. Gia Kahuro				
21. Bari Ya Manda				
22. Achera (Bari)				
23. Bari Ya Gichae				
24. Abjika water project				
25. Kirichugu water project				
26. Borehole Drilling at Gatinyu, Kigio and Ithangararu				
27. Rukira water project				
28. Ngirima water project				
29. Kiranga water project				
30. Gatitu water project				
31. Kiawambubu water project				
32. Mbuko water project				
33. Gathangari water project				
34. Githaeini water project (Pipe)				

35. Gataguagwo water project (Pipes and Tank)				
36. Kanyenyaini Irrigation project (Reserve tank)				
37. Rwambogo water project (Pipes & Intake)				
38. Rehabilitation of wells				
39. Kagaa – Kagunduini Water Project				
40. Kagira – Gatituini – Kariua Water Project				
41. Ngurweini Location Water Project				
42. Kagumoini Location Water Project				
43. Ndiriini Water Project				
44. Manjuu Water Borehole – Proposed				
45. Kiriimi dam one				
46. Mugira dam				
47. Pundamilia dam				
48. Gitwe – Kanderendu – Kimutho Water Project – Piping				
49. Upgrading and piping borehole water in kamahuha				
50. Drilling borehole at/around kaha-ini primary school				
51. Kibarabari water project				
52. Kamurungu – Ngararia – Kahaini main water pipe of 10 inches to supply clean drinking water to the whole of Ngararia complete with 3 water reservoirs (The				

project proposed is already with the Minister and Director of water in the county) – Cost 45 Million				
53. Irrigation water – required if a big reservoir at Kibereke shopping centre is constructed and supply water through gravity flow to the whole of Ngararia ward				
54. De- silting of Ngararia Coffee Factory Dam				
55. Giathanini gravity water wells in the following sub locations				
56. Kaguku				
57. Mianyani				
58. Giathanini				
59. Upgrading/piping water through kalia water project				
60. Proposed water project at kawaharura Hills/saba saba river to serve the entire kamahuha and other wards				
61. Rwanganga borehole				
62. Mugumo-ini borehole				
63. Kandari borehole				
64. Mugumo				
65. Ngililya				
66. Mukundi				
67. Mbiri ward domestic water supply				

68.				
69. Supply of domestic water to Mbiri/Wangu and Mugoiri wards				
70. Gikandu domestic water supply				
71. Gakurwe domestic water supply				
72. Wangu Domestic water				
73. Revive Borehole at Koimbi Chief's camp				
74. Supply of domestic water by MUWASCO to the entire Mbiri ward				
75. Supply of domestic water by KAWASCO to Mbiri/Wangu and Mugoiri wards.				
76. Supply of domestic water by MUWASCO				
77. To supply domestic water to upper Gatari				
78. To supply domestic water by KAWASCO to cover the entire Wangu ward				
79. To supply domestic water				
New project	Priority Ranking	Objectives	Targets	Description of activities
1. Kihara well				
2. Maji koboko well				
3. Kirimiri well				
4. Gaichanjiru well				
5. Kaeseve well				
6. Mazuri well				
7. Mutithi well				

8. Karima kogi well				
9. Kianjugu well				
10. Rural well				
11. Kihara well				
1. Karega-Gachocho-Gatumbi- Mununga-Kinyona-Njabini Road.(Bitumen)				
2. Kangari -Matco-Kinyona-Mununga Ichichi Kanyenyaini(Bitumen)				
3. Kangari- Kiamaingi-Kinyona(Bitumen)				
4. Mariira Gakira-Ngonda(Bitumen)				
5. Ikumbi Pri- Karinga - Gacharage-Kinyona(Murram)				
6. Irati-Boro-Forest(Murram)				
7. Mununga-Gikigie-Mukoma-Forest(Murram)				
8. Gachocho-Ndugamano-Kariti-Magomano)(Murram)				
9. Irate River-Gatumbi(Murram)				
10. Provide 11 Brigdes To Be Used Along Maragwa And Irati Rivers In Various Points To Connect Murarandia, Kanyenyaini, Kangari, Kigumo And Mugoiri Wards				
11. Gatunyu – Ngangaini access road 2 Km (Heavy grading and Gravelling)				
12. Gatunyu – Joeska access road (Grading, Gravelling and Culvert				

Construction)				
13. Gatoka – Keaina Primary School Access Road (Manual Labour, Gravelling and Culvert Construction)				
14. Main Road – Gatunyu Primary School access road (Grading, Gravelling)				
15. Kigio - Rwaitira access road (Grading, Gravelling)				
16. Gatunyu – Akorino Church access road (Grading, Gravelling)				
17. AIPCA Gathangari – Kabuere 4Kms				
18. Kirurumo – Gacomo – Karia 5Kms				
19. Naroo – Ngirima Nusery 3Kms				
20. Mururini – Mbuko – Gatitu 4Kms				
21. Nacharuthi- Mithiga- Kiunyu River 3Kms				
22. Mururini – kiunyu River – Ngirima 4Kms				
23. Miruka Main Coffee Factory – Thuai River 3Kms				
24. Kware – Gitareni – Thuai River 4Kms				
25. Njumbi – Ngutheru Pri School 5Kms				
26. Njoga – Ngutheru Sec School 3Kms				
27. Ruria Catholic church – Gatandi River 2 Kms				
28. Gikigie – Karuru – Opening and Grading				

29.	Gachai - Karuru - Opening and Grading			
30.	Mugumoini – Magwe -Gravelling			
31.	Kibutha Shopping Center – Gathiru – Gravelling			
32.	Kahingae – Kiahuho – Gravelling			
33.	Kieni – Kigoi Opening and Grading			
34.	Ihiga – Kayahwe - Opening and Grading			
35.	Kieni Buying Center – Kiangothi – Opening			
36.	Gachoroma – Mutuyaini – Gravelling			
37.	Kawanuwa – Hawanja – Gravelling			
38.	Huyutie – Kirighiungu – Gravelling			
39.	Weru- Gathuku – Gravelling			
40.	Kiriti – Kangari - Opening and Grading			
41.	Kiharo – Igwe – Gravelling			
42.	Weru – Gitaro – Gravelling			
43.	Kawariuwa – Ngoeni Church – gravelling and gabion			
44.	Kanyenyaini – Kiyuyi – Karurumo – Ichichi – Tarmacking (Connects Kangema and Kigumo Sub Counties			
45.	Gathureb - Opening and Grading			
46.	Kanuagathi - Gikumbo - Opening and Grading			
47.	Kwawaronda – Kihotie – Gravelling			

48.	Kianyenyeye – Forest – Opening				
49.	Gatitu – Gitare - Opening and Gravelling				
50.	Githumu – Muirini – Mungimia – Kirigithu - 15km				
51.	Makuti (githumu0 – Gichakayo – Muigarua – 4km				
52.	Gichaigi – ini junction – Kiangare – kiruga – gituru junction 8km				
53.	Githumu (hospital) – Munoru school – Thika bridge 2km				
54.	Matiliku – Wa Mungai Ngurunga Road – Heavy Grading, Drainage, Gravelling, Drifts				
55.	K. Kimani – Gachie Kongo Road – Heavy Grading, Drift				
56.	Ngurunga – Wa Muriu – Muhoro Road – 2 drifts, Expansion, Grading				
57.	Kimotho – 81 – Rwagura Road – Grading, Expansion Culvert Installation				
58.	Mwania Mbogo Primary – Kihoto Road 3kms – Grading, Culvert Installation				
59.	Giathanini – Muronjo Road – 1.5kms – Gravelling and Culvert Installation 600m				
60.	Mama Emma – Kimani Waithaka Road – Grading, Expansion and Gravelling				
61.	Amos Road – Dickson – Kamuru				

Road – Grading, Culvert Installation				
62. Harda SEC Road to Nyatira – 2.5kms – Grading and Drift				
63. Muchoki Road – Damsite – 1.5kms – Grading , Culverts				
64. Kaguku Kawethei Road – 1.5kms - Drift, Grading, Gabions, Expansion				
65. Mianyani Primary – Kahuruko Road - 2kms – Culverts, Grading				
66. Mugumo – Ndukamojo - Round Hii Road –1.5kms - Grading, Culverts				
67. Kephas – Mugumo Road – 3kms – Heavy Grading , Culverts, Drainage				
68. CDF – Ithanga Primary Road- Rurie Road – 4kms – Grading, Culvert, Drainages				
69. Kitooni – Gachagi Road – 3kms – Culvert Installation, Grading, Gravel				
70. Ngililya Kariara Road – 4kms –Drift, Grading, Culverts, Expansion				
71. Ngililya Muthanga Kitooni Road – 3kms – Grading, Drift				
72. Mukundi – Banana Road – 3kms- Drift, Grading				
73. Water Kiosk – Chief Kamande Road – 3kms – Culverts, Grading				
74. Gachagi – Muti – 2kms – Culverts,				

Grading				
75. Ngililya Secondary School – Ngui Road – 3kms – Grading, Culverts				
76. Kabuta shopping center – Matungu – Mathioya river _ most need culvers and foot bridges				
77. Upper kaigwa – Mwirua 2.5km				
78. Kigongo primary – Itara – Mibauni 2km				
79. Kagwathi – Githima – Ititu 3km				
80. Kaigwa – Kiamuri – Kaweru mkt				
81. Kangwaci – Kigongi – Mwirua				
82. Mitundu – Matongu primary				
83. Kigetuiini – Giatha – Karia				
84. Ha muceke – Karwe				
85. Riakainge – Kagundu				
86. Ha matenge – Gatembu – Mitundu				
87. Mugeka dispensary – Gakira				
88. Kabui – Ngiini				
89. Mbari ya kamundu – gachirago				
90. Gaitheri – kwa nyoro				
91. Githanga – Kiambugi				
92. Thuita – Kwa wadauti				
93. Mugeka – Kigandaini				
94. Kabui – Kahero – Mathioya				

95. Corongi – Kwa mathu				
96. Kamwaha – Gwa kigotho – Mwirua river				
97. A.C.K church karaha				
98. Karugia – Ngurweiru Road - 10 kms				
99. Mutoho – Kagumoini – Gaichanjiru Road – 10kms				
100. Ngurweini – Kagina Road – 5kms				
101. Ndiriini – Ngureini Road – 6kms				
102. Ndiriini – Kagunduini Road – 6kms				
103. Ndiriini – Kagina Factory Road - 6kms				
104. Kongos Road – 6kms				
105. Makindu – Gituya Road – 5kms				
106. Kigua Road – 3kms				
107. Kimathanju – Kagumoini Road – 4kms				
108. Gaitanga – Kagumoini Road – 4kms				
109. Muthitha – Ngurweni - Gakoigo Road – 6kms				
110. Gakoigo – Mariaiini – Karugia Road – 10kms				
111. Gakoigo – Mariaiini – Mutoho Road – 8kms				
112. Manjuu – Mutoho Road- 8kms				
113. Gaichenjoh Primary School – Gitambo - Mutoho –				

11kms				
114. Kagaa – Giathambu – Road – 3kms				
115. Kagina – Ihururu Road – 3kms				
116. Kaharati/Mai mahiu/kwa job road – 2km Grading, gravel patching, bush clearing				
117. Kaharati – kalia road – 3km – Heavy grading/Dozing, gravel, patching				
118. Maganjo – mumbu road – (2) 6km – Grading, patching, bush clearing gravelling				
119. Iganjo – Dorome junction – 3km - Grading, gravel patching, bush clearing				
120. Gitare Tea buying center – Karindi – Kaharo Thika bridge – 8km				
121. Ngurumo ya thika(range) form site coffee – Githumu 10km				
122. Kaharo junction – Rwashe plot – Site coffee factory – 5km				
123. Kanguro – Ngoe range 6km				
124. Magomano center – Kibage – Ruowa 4km				
125. Gachirage center – Gachirage dispensary – 3km				
126. Magomano – Mukuria – Maraira				
127. Muiri-in plot – kiamatheri bridge 1km				

128. Maraira farm – Rugaita 3km				
129. Rwashe plot – Kagu road 3km				
130. Gichakayo – kiawangeny (Path & bridge)				
131. Gichagi – ini junction – Kangare – Kiruga – Gituru 8km				
132. Magomano – Mukuria – Maraira 6km				
133. Magomano plot – Kibage – Ruowa 4km				
134. Gitare primary school – Mukanzu coffee factory 1km				
135. Githumu plot – Karang 3km				
136. Kangurugute tea buying center – Gichiga primary school – chicu junction 7km				
137. Mukangu primary school – Kahiga plot foot path & bridge				
138. Ngararia Shopping Centre– Hawamngi / Naaro Secondary School Road – 3kms – Grading, Murraming, Culverts, Bush Clearing				
139. Kabumgi – Kanjim – Kibuu access road – 3kms - Grading, Murraming, Clearing of bushes				
140. Ha Mereka access road– Jovio – Naaro road – 2kms - Murraming, Bush clearing				
141. Kiriko police station – Mahutia Ha Charagu – 3kms - access road – Murraming				

142. Ha Gitebu – Kahera access road – 2kms - Murraming, Culverts				
143. Githiini – Kawendo road – Kahera Village – 2.5kms - Grading, Murraming, Culverts, Bush Clearing				
144. Kaburugu Primary – Kamutungi – Mathiru – Mugecha Secondary School – 5km - Grading, Murraming, Culverts, Bush Clearing				
145. Kibereke – Kariko – Ha Charagu – 3kms - Grading, Murraming, Bush Clearing				
146. Kiriko – Naaro road – 3kms - Grading, Murraming, Bush Clearing				
147. Gitige – Kahara access road – 2kms - Grading, Murraming, Bush Clearing				
148. Kwa hiti – Gitiri road – 2kms - Grading, Murraming, Bush Clearing				
149. Ngararia Secondary – Kirarii – Ha Muraya access road – 3kms - Grading, Murraming, Bush Clearing				
150. Waitua – Waitua P.C.E.A – Naaro road – 3kms - Grading, Murraming, Bush Clearing				
151. Ngururia Shopping Centre – Githiini (Ngararia Coffee Factory) rural access road – 2kms - Bush Clearing, Heavy Grading, Murraming, Culverts				

152. Kahuro – Githagura bridge 3km				
153. Githagothora kiumba – Mitarakwa coffee factory 10km				
154. Yamugwe – Rugaita – Mirichu stop 5km				
155. Gititu – Kiria – Ngaru – Muchungucha 6km				
156. Mugoiri – Mburi ya hiti – gitiri – Kahuro 6km				
157. Kiaguthu – Kiboi mutito 3km				
158. Mutunguru – Dr. kiano – Komba 3km				
159. Gitiri – Githunguri 2km				
160. Mburi ya hiti – Mesopotamia 3km				
161. Gititu – Kamaguta – Kiratina 4km				
162. Githioro – Munyutha – Kiria 3km				
163. Ndutumi – Mugumoini 2km				
164.				
165. Nduturi – Karima 2km				
166. Kiratina – Miumu – Gititu – Sheet 1 4km				
167. Gititu – Kamagut – Kiratina 2km				
168. Githioro – Maragua 6km				
169. Gathiru – mbari ya mbogo 1.5km				
170. Yamugwe – Gitindo – Kamoro 2km				
171. Yamugwe – Gachie – Kagira – Kiyo 10km				

172. Kwa paul kambuku 2km				
173. Gitaro primary school access road 1km				
174. Gatundu primary school access road 1km				
175. Kiaguthu – Gtahamana 1km				
176. Githagera – Gathima – Kiumba pry 2km				
177. Kiboi – Kahithe access road 1km				
178. Kaharo – Kiayatta pry 2km				
179. Mirichu – Mbari ya kiiru – Matito 2km				
180. Ngaru – Gakira – Kwa njeri 2km				
181. Staff – JJ access 1km				
182. Gatani – Mbari ya hiti 1.5km				
183. Miembeini kiriti – Nyandini 2.5km				
184.				
185. Gitiri – Kianjogu road 2km				
186. Mutithi ngurunga , Mutithi kinoo , Makuyu gathaiti roads 187.				
188. All feeder roads in makuyu location				
189. All freeder roads in kirimiri location				
190. Gakira – Mariura Sec – Gathaith Acess Road – Murraming				
191. Mariira F.T.C – Wakibugi access road – Murraming				
192. Ikumbi – Irima – Mukuna access road –				

Murraming				
193. Njiiris – Nguruweini – Gituri access road – Murraming				
194. Sabasaba – Gakuyu – Githembe road – Tarmac – 20km				
195. Gakarati – Mbogoini – Mugomoini road – Murram – 13km				
196. Kandari – ndonga – Kairi road – murram – 14km				
197. Gatunguru – Kagongo – Kamungu road – murram – 3km				
198. Kahairo – Mwara – Kanjugu road – Murram – 3km				
199. Kahuho – Rwarithi – 3km Murram				
200. Mwema 3.1km murram				
201. Kambogo 1.1km murram				
202. Mwototo 2.1km murram				
203. Kagwathi – Ndonga – kagongo 4.1km murram				
204. Githembe karuri bridge 1.2km murram				
205. Mbari ya kuon'go 2.4km murram				
206. Main Road: Miuu ya Ng'ang'a to Mukundi – 24kms – Gravelling, Expansion, Grading, Culverts, Gabbion, Rock Filling, etc				
207. Kaguku Tree Road - Ngurunga Hills – 20kms – Culvert, Grading				
208. Kaguku – Kiriko Road – 4kms –				

Grading, Culvert Installation, Gravelling				
209. Kanduri Primary - Mwanja Mbogo – Grading, Gravelling, Drifts				
210. Hon. Njuguna – Wa Thuo Road – 3kms, Grading, Gravelling, Culvert Installation				
211. Gatemi – Wa Wairimu – Kiriko - Expansion, Grading, Culverts				
212. Apostolic – Kamuiru Road - Grading, Culverts, Drifts to Cross				
213. Gachuhi – Mwanja Road – 5kms - Expansion, Grading, 2 drifts, gravelling				
214. Gaichanjiru – Kagira – Kariua Road – 10kms				
215. Kagaa – Ngurweini Road – 2kms				
216. Kagumoini – Ngurweini Road – 2kms				
217. Mannguu – Makiani Road – 3kms				
218. Gituya – Githaitu Road – 3kms				
219. Ndirini – Kagira Road – 4kms				
220. Ngurweini – Kwanyeni Road – 4kms				
221. Inter-roads - sababa markets (village). Total 5km – Grading gravel patching				
222. Pepakwa – rwangunu rd – 4km – Heavy grading, gravel patching, bush				

clearing				
223. Rwanguni – kalia rd 4km - Heavy grading, gravel patching, bush clearing				
224. Kamahuha – gatanga rd 5km- Heavy grading, gravel patching, bush clearing				
225. Hezekiels – Amani’s – Railway - Manyatta rd – 5km Heavy grading, gravel patching, bush clearing				
226. Ndathi’s – mihuro’s(rurii) Rd – 3km Heavy grading, gravel patching, bush clearing				
227. Reconstruction of Dorome – Maranjau Bridge				
228. Murraming feeder roads to horticultural rich areas of wathiani/Gathuri/kahai ni/Kihumbu/Karathe – 20km				
229. Roads to be graded & bush cleared				
230. KORA SUBLOCATION				
231. Thuthuru – Mukui Road				
232. Gachiko Road – Mukui Road				
233. Njanjara Road – Gitugi Road				
234. Kora Road – Kora Factory				
235. Managu Shopping – Bagdad Road				
236. Warugara Road – Njanjara Factory				

237. Githai Shopping – Thuthuri River				
238. Hahunja Road – Kagumoini Shopping Center				
239. Igiriko – Dorome road - 5km – Grading, gravel patching, bush clearing				

Bridges

1. Gachai – Kayura Rd – Culvert Bridge				
2. Rwaithi – Gakarati				
3. Karurumo – Kianjuru - Bridge				
4. Ihiga – Mugumoini - Foot Bridge				
5. Gitwikira – kioho – Bridge				
6. Tundumu – Weru - Foot Bridge				
7. Kangari – Ngoeni - Foot Bridge				
8. Githagara – kaighungu bridge				
9. Githogora – faringwe foot-brdge (box culverts)				
10. Kahuro - Kanyota footbridge				
11. Mbari ya kiongo				
12. Karurumo – Ichichi - Bridge				
13. Damaged foot bridges: i. Iganjo maranjau bridge i. Kiha/siranga bridge i. Kiha/nyati B bridge				
14. Kahuro - mirichu footbridge				
15. Kahuro – Gitiri footbridge				
16. Mitarakwa – Gatundu footbridge				

17. Maragwa kwa ngeru footbridge				
18. Mirichu – Kinyona footbridge				
19. Githagara – kaighungu bridge				
20. Kagwathi – Ndonga				
21. Kandari – ndonga				

Culverts

1. Umbui road – 5 culverts				
2. ACK road umbui – 5 culverts				
3. Umbui – kimondo road – 5 culverts				
4. Kiri road – 5 culverts				
5. Kamethi road – 7 culverts				

Additional Proposed Projects

Projects Names Location/Division/Const ituency	Ward	Objectives	Targets	Description of activities
Karuma Bridge	Mbiri	To promote access and link areas	Upgrade and widen bridge	Construction
Gaitega-Gacharu Bridge	Mbiri	To promote access and link areas	Upgrade and widen bridge	Construction
Gaitega-Thengeini Bridge	Mbiri	To promote access and link areas	Upgrade and widen bridge	Construction
Makutano-Gikuo Bridge	Mbiri	To promote access and link areas	Upgrade and widen bridge	Construction
Gaitega-Maragi Bridge	Mbiri	To promote access and link areas	Upgrade and widen bridge	Construction
Irioko ria Kamondu- Machagara Bridge	Mbiri	To promote access and link areas	Upgrade and widen bridge	Construction
Kaimbugi-Gaitwa Bridge	Gaturi			
Green-Ndurumo Bridge	Gaturi			
Kabui-Kambara bridge	Gaturi			
Karia-Unjiru Bridge	Gaturi			
Kaigwa-Kiamuri Bridge	Gaturi			
Mugeka-Geitwa Bridge	Gaturi			
Gaturi-Gicii Bridge	Gaturi			
Karia-Kagandu Bridge	Gaturi			
Kambirwa-Mirira Road	Mbiri	To improve access road network		Gravelling
Kambirwa-Gikuo Road	Mbiri	To improve access road network		Gravelling
Muthigiriri-Marewa Road	Mbiri	To improve access road network		Gravelling

Maragwa A-Maragwa R Road	Mbiri	To improve access road network		Gravelling
Kambugi Gikindu Secondary-Junction Road	Mbiri	To improve access road network		Gravelling
Thailand –Main Road	Mbiri	To improve access road network		Gravelling
Thanju-Kanjoya-Rapid Road	Mbiri	To improve access road network		Gravelling
Thangathi-Githuri-Karumia Road	Mbiri	To improve access road network		Gravelling
Kanjoya-Thangathi Road	Mbiri	To improve access road network		Gravelling
Gikandu-Kiawanjugu Road	Mbiri	To improve access road network		Gravelling
Gikandu-Kiawira Road	Mbiri	To improve access road network		Gravelling
Karembu-Gikandu Shopping Road	Mbiri	To improve access road network		Gravelling
Thunde-Gaitega Road	Mbiri	To improve access road network		Gravelling
Karaha-Gituri Road	Mbiri	To improve access road network		Gravelling
Mukuyu-Kongoini-Kambirwa Road		To upgrade road network to Bitumen.		Tarmacking
Mumbi-Kambwe Road		To upgrade road network to Bitumen.		Tarmacking
Mumbi-Kandudu-Muthigiriri Road		To upgrade road network to Bitumen.		Tarmacking
Murang'a Town-University-St. Mary Road		To upgrade road network to Bitumen.		Tarmacking
Kaweru-Mukurweini-Gakurwe Road		To upgrade road network to Bitumen.		Tarmacking

Mugeka-Gitwa-Thuita Road		To upgrade road network to Bitumen.		Tarmacking
Gaitheri-Thuita-Kamune Road		To upgrade road network to Bitumen.		Tarmacking
Gaicharago-Kairi-Gakurwe Road		To improve access road network		Gravelling
Gwa Kamama-Mukurweini Road				

Public Participation

1. The road to Gatundu primary school to be tarmacked
2. Mugoini wa Teri – the road from Muragwa bridge to Kiria to be tarmacked
3. The road from Kenol to Muranga town should be rehabilitated and tarmacked
4. Waititu to Kiria road requires construction of drainage systems. The road also requires to be murramed to enable usage during raining season
5. Mareti road to be murramed
6. Kagumo Bare ya Hiti road to be constructed from the funds allocated
7. Poor roads construction has interfered with water supply. Some water pipes have been damaged during road construction. During the rainy season, some of the roads flood which lead to destruction of crops.
8. All weather roads should be rehabilitated to enable accessibility to different regions in Kahuro
9. The railway network from Ilewa to Kabuku to be constructed
10. Quarry road needs rehabilitation
11. Gitaro - Muru wa Nyoni road to be rehabilitated
12. The road from Mugoini secondary school to junction of Gatundu primary school requires rehabilitation
13. Kiria to Bogo road needs to be rehabilitated.
14. Caravats should be provided to roads that flood that destroy produce
15. Kahuro to kwa Njogu road should be rehabilitated to enable accessibility. The bridge on this road is very narrow (Muriurio). The bridge requires barriers to avoid flooding during the rainy season.
16. Youth Polytechniques in Kahuro should be provided with computers to enable usage and expose the youth to ICT in the region
17. Mugoini secondary school to be provided with computers
18. Computers and IT staff to be deployed in learning institutions
19. Rural access roads should be rehabilitated
20. Access roads should be murramed especially those that lead to public schools to avoid flooding and allow access accessibility during the rainy season
21. Installation of Culverts should be properly planned to avoid damage of crops to people's farms
22. Bridges
23. Electricity for each homestead
24. All public institutions to have electricity

25. Transformers to be installed – in form of public private partnership
26. Education of people of energy saving jikos
27. Biogas production – educations, production and experts
28. A website for launching complains or suggestions
29. Dissemination of information
30. Communication through a county radio station and county newspaper
31. Supply of water for irrigation and usage
32. Rehabilitation of water supply for irrigation and usage in Ruchu area (Ikumbi, mukuria and Kibage)
33. Need for a water pipeline – Njiris Gituru pipeline, Kangari Gichagiri pipeline.

Persons with disabilities

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Provide foot paths for people with disabilities for those using wheel chairs and white canes for the blind.				
Reserved parking for persons with disabilities				
In every public building, there should be a lumb for people with are physically challenged to be able to access all public facilities including buildings.				
Construction of reserved toilets for people with disabilities				

7.3.5 Strategies to Mainstream Cross– cutting Issues

In collaboration with the various stakeholders in the sector, prominence will be given in coverage of cross-cutting issues such as HIV/AIDs, unemployment, environmental matters, gender and poverty. The sector will use its comparative advantage in networking to avail the message to the masses. Adverts and posters will also be used to fast track and relay of information to the target community. The sector will play crucial role in creating employment opportunities for youths in service industry especially the energy, ICT, roads and transport subsectors. Disaster management and security response will also be enhanced through good road, transport and communication networks. During construction of roads and buildings, environmental impact assessment will be conducted to ensure any adverse effects on environment are mitigated.

7.4 Health Sector

The sector is represented in the county by 2 sub sectors; Public Health and Sanitation and Medical services.

List of Abbreviations Health CIDP

AIDS	Acquired Immunodeficiency Virus
CBOs	Community Based Organisations
CCC	Comprehensive Care Centre
CEC	County Executive Committee
CHMT	County Health Management Team
CHWs	Community Health Workers
CIDP	County Integrated Development Plan
CPR	Contraceptive Prevalence Rate
DHIS2	District Health Information System 2
ESP	Economic Stimulus Programme
FANC	Focused Anti Natal Care
FBOs	Faith Based Organisations
FIF	Facility Improvement Funds
FP	Family Planning
HEI	HIV Exposed Infant
HIV	Human Immunodeficiency Virus
HMT	Health Management Team
HQS	Headquarters
IMIS	Integrated Management Information Systems
IMR	Infant Mortality Rate
ITNs	Insecticide Treated Mosquito Nets
KNASP 4	Kenya National AIDS Strategic Plan 4
MCH	Maternal Child Health
MDGs	Millennium Development Goals
MMR	Maternal Mortality Rate
MNH	Maternal Neonatal Health
MOU	Memorandum Of Understanding
NCDs	Non Communicable Diseases
OPD	Out Patient Department
PLWHIV	Person Living With HIV
PPP	Public Private Partnership
SBA	Skilled Birth Attendance
TB	Tuberculosis

7.4.1 Sector Vision and Mission

7.4.1.1 Vision

A healthy and nationally competitive county

7.4.1.2 Mission

Deliberately build progressive response and sustainable technologically driven evidence based and client centered health system for accelerated attainment of highest standard of health to all Kenyans.

Sector goal:

Better health in a responsive manner

Sectoral strategic Issues:

1. Equity in distribution of health services and interventions
2. A people centred approach to health and health interventions
3. A participatory approach in delivery of interventions
4. A multi sectoral approach to realizing health goals
5. Efficiency in application of health technologies
6. Social accountability

Sector Objectives:

1. Eliminate communicable diseases
2. Halt and reverse rising burden of NCDs
3. Reduce the burden of violence and injuries
4. Provide essential health care
5. Minimize exposure to health risk factors
6. Strengthen collaboration with health related sectors

7.4.2 County Response to the Sector

In response to the sector vision and mission, the county aims at improving access to quality health care to the community. Focus has been on reduction of infant mortality rate and maternal mortality through upgrading of local facilities to offer maternity services that help the rural communities' access pre and post natal maternal services. The county has focused on sustaining the 2 % prevalence of malaria in the lower zones of the county, TB, HIV/AIDS and other communicable diseases and non-communicable diseases. A lot of emphasis has been placed on health education, training of community health workers and partnership between the government and other service providers in provision of preventive services.

The County health sector strategic plan and annual work plans will be informed by this County integrated development plan.

7.4.3 Role of stakeholders

The following are the roles of stakeholders in the health sector.

Stakeholder	Role
National government	To give policy guidelines for the sector.
County	Development of health infrastructure Development of Human resource Procurement of health commodities
County Health administration	Overall policy direction in the County
County Public service board	Human resource management
Department of Public health	Preventive and promotive health services
Department of Medical services	Curative and rehabilitative health services
Regulatory bodies	Professional regulation
Health insurance providers	Provide medical health insurance.
Community	Participate in preventive medical activities and programmes and cost share in medical services
FBOs/ CBOs	Supplement government efforts in provision of medical services
Private Sector	Provide and increase access to medical services
Development partners	Complement national and county government to implement health programs and provide services.

7.4.4 Sector resources, constraints, achievements and strategies

Resources	Constraints	Achievements	Strategies
Devolved funds	- Inadequate funds	- Introduction of health sector service fund(HSSF)	- Improved funding - Public private partnership
Human resources	- Poor motivation of health workers - Inadequate staffing - Unmet training needs - Poor disaster preparedness	- Capacity building of the staff - Employment of ESP staff - Staff recruitment e.g. casuals using FIF - Employment of staff by partners	- Hiring of additional healthcare workers to alleviate shortage; - Public private partnership - Capacity building - Formulate a contingency plan for preparedness response and management of disaster emergencies
Commodity management	- Little or /no Resources allocation to implementing agencies - Erratic supply of commodities - Inadequate storage facilities	- Adoption of pull system - Competitive procurement of commodities	- Inter-sectoral collaboration - Automation of supply chain - Establishing county and sub counties warehouses
Infrastructure	- Poor infrastructure and equipment, - Inadequate Resources allocation - Poor data management	- Support from partners - Introduction of FIF - Introduction of DHIS 2	- Decentralization of health services - Involvement of more partners - Increased allocation from county government - Automating Health Information System

7.4.5 Projects/ Programmes

The county has seven flagship projects and other projects in the health sector. There are several stalled projects in this sector. This sector also has outstanding project and new projects.

(i) On-going Projects /Programmes:

The county has the following incomplete health infrastructures /which need to be furnished and equipped.

Project Name & Location	Objectives	Targets	Description of Activities
water installation, tiling of maternity wing	Kirogo health centre	Murang'a	water installation, tiling of maternity wing
staff quarters	Nyakianga health centre	Murang'a	staff quarters
maternity block, CCC clinic	Kanyenya-ini health centre	Murang'a	maternity block, CCC clinic
incenerator	Kihoya health centre	Murang'a	incenerator
staff quarters	Gikui health centre	Murang'a	staff quarters
electification, painting of MCH block	Kiamara health centre	Murang'a	electification, painting of MCH block
MCH block	Gitugi health centre	Murang'a	MCH block
water installation,electricity	Nyangiti health centre	Murang'a	water installation,electricity
staff quarters (renovation)	Kiria health centre	Murang'a	staff quarters (renovation)
maternity block	Githagara health centre	Murang'a	maternity block
staff quarters (renovation)	Gatara health centre	Murang'a	staff quarters (renovation)
staff quarters electification, painting, completion of maternity block	Wanjengi health centre	Murang'a	staff quarters electification, painting, completion of maternity block
completion of ESP building	Kambirwa health centre	Murang'a	completion of ESP building
maternity block	Mugeka dispensary	Murang'a	maternity block
maternity block	Gatheru dispensary	Murang'a	maternity block
laboratory block	Gathaithi dispensary	Murang'a	laboratory block
maternity block	Murarandia dispensary	Murang'a	maternity block
laboratory block	Maragi dispensary	Murang'a	laboratory block
staff quarters, renovation of maternity block	Tuthu dispensary	Murang'a	staff quarters, renovation of maternity block
maternity block	Ichichi dispensary	Murang'a	maternity block
maternity block, outpatient wing	Kiairathe dispensary	Murang'a	maternity block, outpatient wing
equipping laboratory	Kanjama dispensary	Murang'a	equipping laboratory
laboratory block	Gacharage-ini dispensary	Murang'a	laboratory block
laboratory block, ,maternity	Kagumo-ini dispensary	Murang'a	laboratory block, ,maternity
latrines	Rwathia dispensary	Murang'a	latrines
maternity block	Kambiti dispensary	Maragua	maternity block

staff quarters	Kaharo model health centre	Maragua	staff quarters
maternity block	Kianjugu dispensary	Maragua	maternity block
laboratory block	Gikono dispensary	Maragua	laboratory block
maternity block, laboratory	Mihango dispensary	Maragua	maternity block, laboratory
maternity block, laboratory	Gitathi dispensary	Maragua	maternity block, laboratory
maternity	Kamahuha dispensary	Maragua	maternity
laboratory block	Mutithi dispensary	Maragua	laboratory block
maternity	Katipanga dispensary	Maragua	maternity
renovations	Maranjau GK prison dispensary	Maragua	renovations
OPD clinics	Kandara health centre	Maragua	OPD clinics
	Muruka dispensary	Maragua	
maternity	Naaro dispensary	Maragua	maternity
laboratory block, store	Githunguri dispensary	Maragua	laboratory block, store
laboratory block	Nguthuru dispensary	Maragua	laboratory block
maternity block, kitchen	Kariti dispensary	Maragua	maternity block, kitchen
maternity block	Kariua dispensary	Maragua	maternity block
OPD (condemned)	Kagumoini dispensary	Maragua	OPD (condemned)
laboratory block	Ngararia dispensary	Maragua	laboratory block
renovations	Mukoe dispensary	Maragua	renovations
laboratory block	Mukuria dispensary	Maragua	laboratory block
verandah renovations	Gacharage dispensary	Maragua	verandah renovations
laboratory	Ruona dispensary	Maragua	laboratory
maternity block and OPD	Kagundu-ini dispensary	Maragua	maternity block and OPD
maternity block	Ngurue-ini dispensary	Maragua	maternity block
paediatric ward, maternity	Kigumo health centre	Maragua	paediatric ward, maternity
water tank	Sabasaba health centre	Maragua	water tank
MCH painting and ceiling	Muthithi dispensary	Maragua	MCH painting and ceiling
maternity block	Kanderendu dispensary	Maragua	maternity block
maternity block	Gikoe dispensary	Maragua	maternity block
toilets	Mununga dispensary	Maragua	toilets
maternity block	Mairi dispensary	Maragua	maternity block
laboratory block	Gatiaini dispensary	Maragua	laboratory block
maternity block	Irigiro dispensary	Maragua	maternity block
laboratory block	Mugumo-ini dispensary	Maragua	laboratory block
stores and kitchen	Gatura health centre	Maragua	stores and kitchen
maternity block painting, kitchen, laboratory	Kigoro dispensary	Maragua	maternity block painting, kitchen, laboratory
laboratory block	Ithangarari dispensary	Maragua	laboratory block
MCH/FB block	Kihumbu-ini dispensary	Maragua	MCH/FB block
double pit latrines, drugs store	Kiarutara dispensary	Maragua	double pit latrines, drugs store
OPD and staff quarters	Gituamba dispensary	Maragua	OPD and staff quarters

Maternity block	Kiunyu dispensary	Maragua	Maternity block
laboratory block	Wanyage dispensary	Maragua	laboratory block
ceilings (7 rooms), maternity block (fencing and gate)	Ndaka-ini dispensary	Maragua	ceilings (7 rooms), maternity block (fencing and gate)
laboratory block	Giatutu dispensary	Maragua	laboratory block
stores	Gatunyu dispensary	Maragua	stores
stores	Kinyangi dispensary	Maragua	stores
patient's toilets	Ithanga dispensary	Maragua	patient's toilets
maternity block (renovation)	Mitubiri health centre	Maragua	maternity block (renovation)

Other on going Projects

The following are the other programmes/ projects in the Public health and medical services sub-sector

Project Name & Location	Objectives	Targets	Description of Activities
HIV/AIDS prevention and management	To reduce the HIV prevalence from 3.9% to 1.9% and HIV/AIDS incidence from 1900 by 50% by 2018 To enroll all HIV/AIDS patient to care and treatment To eliminate mother to child transmission of HIV	Number of new cases Number of PLWHIV on care and treatment No. of un infected HEI	
TB prevention and management	To intensify TB case finding and notification from 195/100,000 to 200/100,000 To increase the TB cure rate from 86.5 % to 90%	Number of New cases diagnosed Number of TB patient cured	
Prevention and management of Diabetes hypertension cervical and breast cancer	Routine Screening of high risk Groups on Diabetes hypertension cervical and breast cancer Creating awareness on diabetes hypertension cervical and breast cancer Provision of accessible comprehensive care including dialysis		
Establish a trauma and orthopedic Centre including ambulance services	Prompt and skilled management of trauma patients Capacity building of staff on handling trauma clients		
Enforce the occupational health and safety Act	To reduce No. of occupational related injuries		
MNH	Enhancement of focused antenatal care, skilled delivery and newborn care Reduce infant mortality rate from 34/1000 to 20/1000 by 2018		
Establishment of alcohol and	Establish 2		

substance abuse rehabilitation Centre Improved nutrition intervention	Alcohol and substance abuse rehabilitation Centre. Reduce number of malnourished children		
Water treatment at household level	To increase number of household with access to safe water from current 23% to 70%		

ii. New projects/programmes

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description of Activities
Muriranja's District Hospital				<ul style="list-style-type: none"> - Casualty Department - Equipping of existing wards with 150 beds and 30 cots - Construction of a second borehole - Painting and Repair of different departments - Re-roofing remaining hospital departments i.e. to remove asbestos and replace them with galvanized sheets. - staff-quarters- Renovating and additional houses - Construction of missing wards and departments as follows: <ul style="list-style-type: none"> - Male Surgical and Female Surgical - Children's wards Ages 5 years -13 years - Paediatric wards: Below 5

				<ul style="list-style-type: none"> years admitted alongside their mothers - Psychiatric wards i.e.: Male ward/Female ward - Fencing entire hospital compound - Construction of disability friendly toilets and walkways - Construction and equipping of a dental unit ward
Kirogo				<ul style="list-style-type: none"> - Incinerator - Installation of tiles - General renovation
Githagara				<ul style="list-style-type: none"> - Staff quarters - Maternity(Material on site- from HSSF money)
Gatara				<ul style="list-style-type: none"> - Staff houses - Incinerator - Installation of tiles to the remaining part of maternity - fencing
Wanjengi				<ul style="list-style-type: none"> - Incinerator - Construction of laboratory - Completion of maternity - Painting and electrification of staff houses
Kiria				<ul style="list-style-type: none"> - Boardroom/store - Renovation of staff houses
Gathaiti				<ul style="list-style-type: none"> - Staff quarter - Fencing - Incinerator
Githambo				<ul style="list-style-type: none"> - Electrification of the health facility - Incinerator

				<ul style="list-style-type: none"> - Storage tank - Fencing gate - Service charter - Drugs
Matharite				<ul style="list-style-type: none"> - Maternity - Staff quarters - Provision of tiles - Fencing - Incinerator
Murarandia				<ul style="list-style-type: none"> - Maternity - Staff quarters - Laboratory equipments - Fencing - Incinerator
Gitaro				<ul style="list-style-type: none"> - Laboratory equipments - Gate - Fencing - Water tank - Maternity - Incinerator
Gatheru				<ul style="list-style-type: none"> - Water tank - Maternity - Incinerator
mukangu				<ul style="list-style-type: none"> - Incinerator

Other Proposed New Projects

Project Name Location	Priority Ranking	Objectives	Targets	Description Of Activities
Carry out an audit of health facilities (County wide)	1	Realize actual information on the number, condition, and status of health facilities	All health facilities	Visiting all facilities and gathering data
Develop a plan to upgrade Murang'a hospital into a referral hospital in collaboration with institutions of higher learning (Kiharu)	1	A completed plan to upgrade Murang'a hospital.	Upgrading 1 hospital	Tendering Construction works Equipping MOUs
Hiring of medical staff for the County health services (County wide)	1	Improve health service delivery	Employ ideal staff and technical officers	Audit Recruitment Appointment
Capacity Building and Training on needs assessment. All existing staffs (inclusive of new recruits). (County wide)	1	Improve service delivery	As per needs assessment	Trainings

Project Name Location	Priority Ranking	Objectives	Targets	Description Of Activities
Collaborate with other health sector stake holders (County wide)	1	Public health programmes are successfully implemented through stakeholder partnerships	As per needs assessment	Identify partners Develop proposal Engage partners
Provision of ambulances for the county hospitals and all wards (County wide)	1	To effectively deliver healthcare services	As per service assessment need	Purchase of ambulances
Upgrading of dispensaries to health centers (County wide)	1	To improve health services	All gazetted dispensaries	Improving physical infrastructure, provision of medical equipment and hiring of staff
Construct new dispensaries (County wide)	1	To improve access to health services	As per established need	physical infrastructure, provision of medical equipment and hiring of staff
Pharmaceuticals-purchase and supply of quality drugs as per facility workload in every facility in the county. (County wide)	1	For treatment of ailments thus improving the quality of lives.	Quarterly supply to avoid stock out	Procurement
Non-pharmaceuticals, Plants and equipment (County wide)	1	For treatment of ailments thus improving the quality of lives	As per facility needs	Procurement
Design and operationalize an insurance programme for the vulnerable groups. (County wide)	1	Project Paper to design an insurance programme for the vulnerable groups in the county	All vulnerable groups	Identify and register vulnerable groups Insurance cover
Establish a diagnostic center in Murang'a hospital (Kiharu)	1	To provide comprehensive, advanced medical diagnostic services	1 diagnostic center	Development of project paper Implementation of the project
Implement Community health strategy (County wide)	2	Completed and comprehensive Community health strategy	Implement the Community health strategy	County Community health strategic plan
Fundraising program for Health (County wide)	2	Health financing	100M	Priority setting Budgetting
Automate Pharmaceutical/Non pharmaceutical commodities -Information Management System (County wide)	1	Streamlined pharmaceutical and non-pharmaceutical management system in hospitals	All hospitals	Tendering Operationalization
Establish a renal center in Murang'a Hospital (Kiharu)	2	Offer renal services	1 renal center	Tendering Construction works Equipping

Project Name Location	Priority Ranking	Objectives	Targets	Description Of Activities
Establish an eye center (Kandara)	2	Offer ophthalmological services	1 eye center	Tendering Construction works Equipping
Establish a Trauma centre at Makuyu(Maragua)	1	Offer comprehensive management of trauma patients	1 trauma centre	Tendering Construction works Equipping
Master plan (County wide)	1	Planned development	All the 7 tier 3 hospitals	Tendering an develop
County health headquarters (Kiharu)	1	Proper coordination of health activities	Office block for CEC and CHMT	Tendering, construction equipping
Utility vehicles and means of transport (All)	1	Facilitate movement	1 utility vehicle per tier 3 facility 1 utility vehicle per sub county HMT 3motorcycles per ward 5 bicycles per ward	Tendering
MORTUARY services	1	Provide quality mortuary services	1 mortuary per tier 3 hospital	Tendering
Cemetery (All)	1	Mapping and aquisition of land meant for cemetry.		Rehabilitation of existing cemeteries Demarcation, fencing and beautification

Persons with disabilities

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Every district hospital to have assessment facilities for PWD's complete with doctors and physiotherapy equipment.				
Every district hospital to have assessment facilities for people with disabilities with three medical doctors and physiotherapy facilities.				
Orthopedic workshop in Muriranja sub-county hospital				
Cancer screening machines in Maragua for serving cancer patients with albinism				
All hospitals to be equipped with sunscreen lotions to serve albinos in the county.				
The following hospitals to have assessment centers to serve the sub-counties. Kigumo sub-county Kirwara Hospital in Gatanga Kandara Hospital in Kandara Sub-county Mathioya				
Every hospital be equipped with epileptic/fits medicine				
To have one optical hospital in the county				

Proposed ward projects

Health Sector

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Construction /upgradingHealth Centre				Construction, Equipping and Upgrading heath facilities in: Kagumoini Health Centre, Kangari Health Centre, Kiria Health Center, Gatunyu Health Center, Kanyenyaini Health Center, Setting up health center in Githembe sub-location, Gakuyu sub-location
Dispensary Construction				Construction of various dispensaries within the county i.e Kagina Dispensary, Manyuu Dispensary, Mwanja Mbogo, Set up dispensaries at Igiko & Kaharati, Gitaro Dispensary, Mburi ya hiti Dispensary, Gitiri Dispensary, Karurumo Dispensary, Githiga Dispensary, mithini Dispensary, kihara Dispensary and kanyururuku Dispensary, Wayerere Dispensary, Rwathia Dispensary
Dispensary Upgrading				Upgrading and equipping various dispensaries within the county to provide more services i.e. Maternity. Some of the dispensaries to be upgraded include: Ngurweini Dispensary, Ngurweini Dispensary, Mariani Dispensary, Kariua Dispensary, Ithanga Ward Dispensaries, Mariira Dispensary, kamahuha Dispensary, Kinyona Dispensary, mununga Dispensary, Gacharage Dispensary, Gichagiini Dispensary, Ruona Dispensary, Muwiarua Dispensary, Mukuria Dispensary, Gituru Dispensary, Muthuru Dispensary, Githagora Dispensary, Kigetui Dispensary, Mugeka Dispensary, Gakurwe

				Dispensary, gatumbi Dispensary, Nguthuru, Muruka, Kiranga, and Gatitu Dispensaries, Kigwambo Dispensary, Tuthu Dispensary, Mugumoini Dispensary
Upgrading Dispensaries to fully fledged Health Center				Upgrade various dispensaries in the county to a fully-fledged health centers. These dispensaries include: Ngararia Dispensary, Kaburugi Dispensary, Gikoe Dispensary Mukerenju, Githunguri, kagunduini
Improved partnership with Mission Hospital				Improve PPP with mission hospitals e.g. Gaichanjiru Mission Hospital – PPP
Purchase of Ambulances				Purchase of Ambulance for emergencies for Ithanga hospital, Kamahuha Health Center and Kinyona Ward, Gikoe Dispensary
Establishing a tier 3 Hospital in Ithanga.				Upgrade Ithanga health center to a Construction of level a tier three hospital

Other Ward Projects

Projects Names Location	Objectives	Targets	Description of activities
Kirogo Health Center (Wangu ward)	To upgrade to sub district hospital		-Provision of water -Provide ambulance services -Construct admission wards. -Deploy adequate staff -Provide physiotherapy services
Mukangu Dispensary (Wangu ward)			-Provision of water -Construct and equip laboratory -Construct staff houses. -Deploy adequate staff
Gatheru Dispensary (Wangu ward)	To upgrade to health center		-Provision of water -Provide ambulance services -Deploy adequate staff
Wanjengi Dispensary (Wangu ward)	To upgrade to health center		-Provision of water -Provide ambulance services -Deploy adequate staff -Construct staff houses
Koimbi Dispensary (Wangu ward)	To establish a dispensary for ease of access to medical services		Construct new (start-up)
Gitui Dispensary (Wangu ward)	To establish a dispensary for ease of access to medical services		Construct new (start-up)
Kahuti Dispensary (Wangu ward)	To establish a dispensary for ease of access to medical services		Construct new (start-up)
Gakurwe Dispensary (Gaturi ward)	To upgrade to health center		-Provision of water
Mugeka Health Centre (Gaturi ward)	To upgrade to sub-district hospital		-Provision of water -Provide ambulance services
Kigetui Dispensary (Gaturi ward)			-Provide ambulance services -Expansion
Wakarima-Nyakihai Dispensary (Gaturi ward)	To partner with government for better provision of services.		-Provide electricity
Geitwa Dispensary (Gaturi ward)	To establish a dispensary for ease of access to medical services		Construct new (start-up)
Kiangage Dispensary (Mbiri)	To establish a dispensary for ease of access to medical services		Construct new (start-up)

Njoguini Dispensary (Mbiri)	To establish a dispensary for ease of access to medical services		Construct new (start-up)
Kambirwa Health Center (Mbiri)	To upgrade to sub district hospital		
Kayuyu Dispensary (Mbiri)	To equip the dispensary to offer better service.		-Construct more rooms -Equip the dispensary adequately
Karemaini Dispensary (Mbiri)	To establish a dispensary for ease of access to medical services		Construct new (start-up)
Gikandu Dispensary (Mbiri)	To establish a dispensary for ease of access to medical services		Construct new (start-up)
Mumbi/Mjini (Town Ship)	To establish a dispensary to decongest Murang'a County Referral Hospital.		Construct new (start-up)
Mbari Ya Hiti Dispensary (Mugoiri)	To establish a dispensary for ease of access to medical services		Construct new (start-up) currently at foundation slab level.
Gitiri Dispensary (Mugoiri)	To equip the dispensary to offer better service.		-Construct and equip laboratory. -Deploy adequate staff -Supply electricity
Githagara Health center (Mugoiri)	To equip the Health center to offer better service.		-Construct staff houses -Equip the maternity with beds
Gitaro dispensary (Mugoiri)	To equip the dispensary to offer better service.		-Provision of water -Equip laboratory -Construct staff houses
Muriranjias District Hospital (Mugoiri)	To equip the hospital to offer specialized services for the entire county.		-Establish (construct and equip an Orthopedic workshop to construct limbs for persons with disabilities.
Kiria Health Center (Mugoiri)			

Public participation

1. Construction of a dispensary in Gatundu – Karuru sub-location
2. The dispensary in Gitiri is not functional. This and other such facilities require equipment and personnel to operationalize.
3. Kiria Health Centre is in need of an ambulance, water supply and an Xray machine
4. The public suggested that there should be free medical treatment accessible to all in Muranga County. The county should provide funds to purchase medicine and be available free of charge to the public as well as assist in paying off medical bills for those who cannot afford to do so.
5. Need to provide funding to support groups for those suffering with cancer and diabetes
6. Muriranjias District Hospital needs equipment for pre-natal and post-natal care for mothers

7. The Health Center Service Fund should be utilised to support the health facilities at the county level
8. Remuneration of Community Health Workers should be catered by the county government
9. Health care to be provided to the elderly and disabled who cannot access hospital facilities. There is need for rural outreach by health care providers to interior areas of the county
10. The construction of Mbari ya Hiti dispensary needs to be completed

7.4.6 Strategies to Mainstream Cross-cutting Issues

The sector will mainstream emerging health issue e.g. HIV/AIDS as per the KNASPS IV. Training and awareness programs will be instituted to address work place safety.

Intersectoral collaboration will be enhanced to ensure health sector is in line with County objectives. This will be facilitated by consultative and intersectoral working groups and joint planning. This will address cross cutting issues e.g. disaster preparedness and response, disease surveillance, school health program, disability mainstreaming.

7.5 Education Sector

The sector is represented in the county by the following sub sectors; basic education and higher education science and technology, adult and continuing education. Having the following percentages of literacy and illiteracy:

7.5.1 Sector Vision and Mission

Vision

To create a functionally literate, learning and empowered society.

- a) Illiteracy levels 24.6% in the County
- b) Literacy Levels 75.4% in the County

Mission

To eradicate illiteracy and promote life long learning among adults and youth to enable them make informed decisions, become self reliant and improve their livelihood.

7.5.2 County Response to the Sector

In response to the sector vision and mission, the county seeks to develop schools and to make them competitive nationally. This is gauged by the performance of students in National exams compared to students in other counties. The sector also seeks to introduce computer lessons at secondary school level to improve the competitiveness of students from the county. It also seeks to develop tertiary institutions in the county to offer courses which are competitive and relevant to the demands of the global labour market.

7.5.3 Role of stakeholders

The following are the roles of stakeholders in the education sector.

Stakeholder	Role
Departments of Education	To provide knowledge and skills to adults and out of school Youth for self reliance and sustainable development. To give policy guidelines, regulation, licensing, registration of new institutions and quality assurance for the sector; To provide free universal and basic primary education to all children of school going age; Provide free secondary education to all; Develop education infrastructure/facilities.
Devolved Funds	Development of educational infrastructure; Provide equipment reading materials; Provide bursaries.
Community	Participate in development of education infrastructure and support; School going children through education; Ensure children go to schools; Ownership safeguarding the educational institutions and properties.
PTA/ BOM	Management of schools.
Trade unions	Champion the welfare of members.
FBOs/ NGOs/ CBOs	Supplement government efforts in provision of education.
Private Sector	Provide and increase access to education.

7.5.4 Sub-sector Priorities, Constraints and Strategies

Sub-sector	Priorities	Constraints	Strategies
Adult Education	Mainstream Adult Education To enable adults to access information. Improve literacy among residents. Provide tutors with skills on how to handle adult learners. Provide teachers with skills on how to handle adult learners.	Lack of adequate qualified personnel Lack of full time teachers in the County. Lack of transport means for supervision and inspection Shortage of teaching/learning materials.	Upgrading the infrastructural facilities of the 3 ABE Centers per ward Procurement and supply of computer to the ABE centers Recruitment of teachers for the ABE centers. Employ two ABE teachers per ward Creation of ward awareness sensitization Link Adult Education to social economic development by setting up a non-formal center in every ward for adults.
Education and Training	To accommodate the increasing number of students from primary and both secondary schools. Equip students with modern IT skills.	Poverty; inadequate facilities; inadequate polytechnics and tertiary institutions; lack of enough teachers and trainers; poor housing for teachers; No vehicles to facilitate supervision and monitoring	Upgrading the infrastructural facilities. Procurement and supply of computer to schools. Recruitment of teachers

7.5.5 Projects/ Programmes

The county has six flagship projects and nine other projects in the education sector. There are no stalled projects in this sector. There are no outstanding projects/ programmes in this sector however the sector has five new projects.

Education sub-sector

I. Flagship Projects

The matrix below shows the flagship projects in the education sector and their implementation status.

Project Name Location	Priority Ranking	Objectives	Targets	Description of Activities
Build and equip secondary schools in each constituency; Countywide		To accommodate the increasing number of students graduating from primary schools.	1 secondary school per constituency.	Upgrading the infrastructural facilities.
Computer supply for schools-All constituencies; Countywide		Equip students with modern IT skills.	40 computers per constituency.	Procurement and supply of computer to schools.
Recruit 50 Primary school teachers on 3 year contract in each constituency; Countywide.		To cater for increasing number of pupils.	50 primary schools per constituency.	Recruitment of teachers.
Recruit 10 secondary school teachers on 3 year		To cater for increasing number of students transiting from	10 secondary schools per constituency.	Recruitment of teachers.

contract in each constituency; Countywide.		primary schools.		
Convert unused classroom into boarding facilities		To enhance learning	10 secondary schools per constituency	Furnishing
Build and equip Primary 2No. Schools in each constituency, Countywide.		To accommodate the increasing number of pupils due to free primary school.	2No. Primary schools per constituency.	Upgrading the infrastructural facilities.
Establish a Kshs.60, 000 tree funds for 20 primary schools in each constituency.		Enhance tree cover in the county.	Woodlots in 20 primary schools.	Procure and plant seedlings in primary schools.
Convert unused classrooms into boarding facilities 5 per ward.		To increase study time	105 Boarding Primary Schools	Furnishing and refurbishing Staffing
Convert 16 low cost subcounty secondary schools to Boarding Schools		To accommodate the bright and needy.		Furnishing and Refurbishing Staffing

II. On- going Projects/Programmes:

The following are the other Projects/ Programmes in the education sub- sector.

Project name & Location	Objectives	Targets	Description of activities
Classrooms and Administration Blocks; County wide.	Ease congestion in schools.	Construct classrooms; Construct administration blocks.	To construct 91 classrooms and administration blocks.
Construction of Science Rooms and laboratories; County wide.	To improve science teaching in schools.	Construct 35 science laboratories. 1 per ward	Construction of 35 laboratories in various schools. 1 per ward
Textbook Project; County wide.	Raise the standard of education.	Raise the textbook-pupil ratio to at least 1:2.	Purchasing textbooks for school.
Electrification of Secondary Schools; County wide.	Raise the standard of education.	Increase learning/ study time by 4 hours per day in all the constituency secondary schools.	Installation of electricity.

III. Proposed New Projects

Project Name Location	Priority ranking	Objectives	Targets	Description of activities
Develop and implement a communication strategy for all Projects (county wide)	1	Establishment of a communication strategy	Strategy Established	Data collection, strategy formulation
School electrification/ lighting project. (County wide)	1	That all schools in Murang'a County have electricity	Schools with electric lighting	Electrical Installation
Create libraries and provide learning resources/materials.(For class 7 and 8) – (county wide)	1	Established and equipped libraries with the necessary resources/materials Use of E-books	Equipped libraries	Construction and stocking or upgrading of existing libraries 1 per ward
Improve and fund teacher advisory centers. (County wide)	1	Improved motivation of teachers	Motivated teachers	Equipping, staffing and upgrading construction 1 per ward
Develop and implement mentorship programme for schools (county wide)	1	Mentoring for each pupil in public schools	Skilled and motivated pupils	Mentoring
Motivational programme for pupils and teachers (County wide)	1	Recognition and awarding of good performance for the teachers and students	Motivated teachers and pupils	Prize giving, Commendation
<ul style="list-style-type: none"> • Introduce extended study hours for exam students • Standardize county exams. • Implement intervention measures. • Staff rationalization programme (county wide) 	2	Efficiency and professionalism of the teaching staff. Improved performance in exams	Improved secondary-university transition rates	Supervision
Create incentives for Investors for Investment into private schools (county wide)	2	Investor's funding in learning institutions and improving the education standards of the pupils.	Improved school infrastructure	Construction and equipping
Bursaries and scholarship Programmes (county wide)	2	Higher access to education and increased completion rates	Improved school attendance	Bursary management
Establish ICT facilities – computer labs	2	Students to be ICT conversant	ICT skills in students	Center construction, equipping and staffing. 1 per ward

Project Name Location	Priority ranking	Objectives	Targets	Description of activities
Develop and implement performance management systems for teachers. (County Wide)	2	Monitoring and evaluation of the teacher against the overall performance of their students	Result oriented services	Performance management Funding quality assurance programmes in the education department. Mainstream quality assurance, standards and TAC Officers.
Equip Polytechnics Rehabilitation of Disabled Centre (County wide)	2	Better service to the disabled	Equipped polytechnics	Equip and rehabilitate polytechnics with boarding facilities.
All special needs children (County wide)	2	Improved service to the children with special needs	Care and Training	Construct and equip institutions for special needs children with boarding facilities.
Empowerment programme both for teachers and stakeholders (County wide)	2	Improve capacity of teachers and stakeholders	Teachers empowered	Capacity Building
Provide incentive schemes to attract and retain teachers (County wide)	2	Improve teacher morale and capacity.	Enhanced service delivery	Incentive schemes guided by a county policy.
Develop teaching and learning strategies that enhance student innovation (County wide)	2	Improve skill and creative ty	Increased skills for socio-economic development	Construct a talent center.

ECD Department

Vision

To be the leading county in provision of ECD services for children in the country

Mission

To provide, promote and coordinate an environment for children to acquire knowledge, skills, and attitudes holistically in a friendly environment to pursue education for a productive and fulfilling life

Core Functions

- Provision of a friendly learning environment, proper and adequate physical facilities in all ECD centers in partnership with communities
- Advocacy. Sensitization of communities on ECD issues
- Ensuring quality ECD services are offered to all children in the county
- Ensuring equitable distribution of ECD teachers in the county
- Provision of primary health care to all ECD children
- Formulation, dissemination and implementation of ECD education policies in the county
- Administration and management of ECD programmes in the county;
- Planning and implementation of ECD training programmes in the county.
- Curriculum development and implementation
- Provision of ECD curriculum support materials
- Quality assurance in and Supervision of Pre-Primary education

Core Values

The department is governed by a set of core values, which constitute the desired organizational culture.

These values are:

- Integrity – Committed to acting in an honest, accountable and transparent manner in all our undertakings.
- Professionalism – Committed to the highest levels of achievement obtainable through competence and critical skills.
- Teamwork -Embrace teamwork and collaboration both within the department and with all partners in the provision of ECD services.
- Efficiency – Strive to achieve the highest value of benefit from the deployment of resources, particularly to the learner.
- Continual Improvement – Committed to setting and maintaining high standards of education and training through continuous improvement of service delivery.
- Courtesy – Endeavour to be courteous to all clients at all times.
- Confidentiality – Embrace the principle of confidentiality in service delivery.
- Fidelity to law – Committed to respecting the rule of law in all our undertakings.

- Respect for Individual Differences – Committed to providing education to all ECD pupils including those with special needs

Strategic Goals

- Equip all ECD centers with age appropriate, safe and secure infrastructure, learning and teaching materials
- Develop human resource strategies to attract and retain the most talented staff capable of meeting the needs of ECD learners.
- Ensure excellence in Teaching and learning
- Strengthen the school readiness programme in ECDE by creating formal plans that address transition and enable ECD pupils to experience success in every phase of their education.

Sector Objectives

- To provide clean and hygienic child friendly school environment (primary health care)
- To construct and/or repair ECD center classroom and to fully equip ECD centers
- To enhance curriculum implementation and curriculum supervision to ensure quality standards
- To maintain qualified and satisfied ECD staff and to provide professional development for ECD staff
- To enhance retention and promote school health and nutrition
- To sensitize the Murang'a County community on ECD issues
- To construct an ECD training institution for ECD teachers
- To provide ECD services to marginalized communities in the community.
- To increase the efficiency and effectiveness of the human resource function.

Sub-Sectoral Objective Strategies

To Provide Clean And Hygienic Ecd Centers

To achieve this objective the department will employ the following strategies:

- Construction of child friendly toilets for girls and boys and urinals for boys with appropriate aperture and door handles
- Provision of water points for hand washing
- Provision of water harvesting facilities and storage tanks for drinking water
- Ensure that ECD classes, toilets, play areas and afternoon nap facilities are cleaned every day

To Provide Learning Facilities, Play Materials And Equipment

To achieve this objective the department will employ the following strategies:

- Construct ECD classes where necessary and repair and refurbish the available ones to make them appropriate for ECD learning
- Paint classrooms appropriately.
- Provide adequate and age appropriate furniture for ECD pupils
- Provide safety/security of ECD areas by fencing off and using steel doors and windows
- Provide teaching and learning equipment and materials
- Provide mattresses and mackintoshes for afternoon nap
- Provide fire places for use during cold seasons
- Provide outside play equipment
 - Swing
 - See saw
 - Slide
 - Climbers
 - Merry go rounds

To Enhance a Robust Ecd Centers' Assessment and Effective Quality

Assurance Programme

To achieve this objective, the department will implement the following strategies:

- Train existing ECD Officers to carry out quality standards assessment in ECD centers

- Empower ECD Officers to monitor system effectiveness;
- Build the capacity of ECD officers to provide support to ECD teachers

in curriculum implementation.

- Provide adequate facilitation for ECD staff at the county , sub county and ward levels to enhance quality
- Provide motor vehicles and motor cycles for use by officers at the sub counties and wards.
- Ensure qualified workforce in the ECD offices and centers
- Remunerate ECD teachers competitively
- Promote professional development of ECD officers and teachers
- Provision of refresher courses for ECD teachers and staff
- Provide offices and office equipment for ECD officers
- Staff facilitation

To Enhance Retention And Promote School Health And Nutrition

The overall aim is to enhance school participation through promotion of good health, hygiene and nutrition among ECD children.

To achieve this objective, the department will employ the following strategies:

- Expanding de-worming programs in the schools.
- Enhance health and hygiene promotion in schools.
- Construction of kitchens
- Provision of food
- Provision of utensils
- Employment of kitchen staff
- Provision of cleaning equipment and materials

To Enhance Community Mobilization and Build Their Capacity for Effective Participation

To achieve this objective, the department will employ the following strategies

- Meetings at sub county, ward, school levels to advocate for children's needs
- Ecd officers meetings
- Ecd teachers meetings
- Parents meetings
- Other stakeholders meetings

To Provide Training Facilities for ECD Teachers

To achieve this objective, the department will employ the following strategies

- The institution will be used to train ECD teachers and also as a training center for other education issues
- For refresher courses of ECD teachers

To Provide ECD Services to Marginalized Communities

To achieve this objective, the department will employ the following strategies

- Construct boarding facilities for marginalized ECD children

To Increase the Efficiency and Effectiveness Of The Human Resource

Function

To achieve this objective, the department will employ the following strategies:

- Introduce Results-Based Management systems in ECD service provision.
- Provision of appropriate staff training and development plan.
- Intensify staff orientation and induction.
- Provide advisory and support services on improving working environment and other staff welfare.

I. Planned/Ongoing Projects

Project Name Location	Objective	Targets	Description of Activities
Construction of 2 toilets(1 for girls and 1 for boys) and urinal per center in 350 ECD centers	To provide a clean and hygienic ECD centers	2 toilets and a urinal in 10 ECD centers in all the 35 wards in the county i.e. 350 toilets	
Reduction of aperture of 2 toilets and construction of a urinal in 280 ECD centers	To provide a clean and hygienic ECD centers	Reduced apertures of two toilets per center in 8 schools per ward i.e 280 ECD centers	
Provision of 600 hand washing water points	To provide a clean and hygienic ECD centers	600 water points for ECD centers	
Provision of water harvesting facilities and 1,000 liters storage tanks in 320 ECD centers in the county	To provide a clean and hygienic ECD centers	320 centers with water harvesting facilities and 1000 liter storage tanks	
Construction of 70 ECD classes	To construct ECD classes	2 new classrooms per ward in the 35 wards of the county (70 new classrooms)	
Repair , paint and provide security of 280 existing ECD Center classrooms	To repair available classes that are in a state of disrepair	8 repaired classrooms per ward	
Provision of age appropriate furniture in 105 ECD centers	To provide age appropriate furniture	4 wood tables and 30 wood chairs for 6 schools per ward. (105 ECD centers)	
Repair of broken furniture	To repair furniture in 210 ECD centers in the county (6 per ward)	Repaired furniture	
Fencing. Chain link fencing with wooden poles on 280 centers	To provide security/safety at the centers	280 fenced ECD centers	

Provision of outside play equipment for 490 centers	Provide outside play equipment i) Swing ii) See saw iii) Slide iv) Climbers v) Merry go rounds	Play equipment in 490 centers (14 centers per ward)	
Repair of existing play equipment	Provide outside play equipment i) Swing ii) See saw iii) Slide iv) Climbers v) Merry go rounds	Repaired play equipment in 105 centers (3 centers per ward)	
Mattresses and Mackintoshes for afternoon nap in 630 ECD centers	To provide mattresses for afternoon nap for ECD pupils	630 ECD centers with covered mattresses	
Employment of ECD teachers	To maintain qualified and satisfied ECD staff and to provide professional development.	-1300 Competitively remunerated ECD teachers (2 teachers per Center) with an annual increment of Ksh 600 for diploma and Ksh 400 for certificate	
Human resource development	To maintain qualified and satisfied ECD teachers and to provide professional development for them.	Refresher courses for ECD teachers	
Professional staff training and development courses for ECD officers	To increase the efficiency and effectiveness of the human resource function.	Officers with certificates of courses e.g. Senior Management Course ,strategic leadership at Government school	
Offices and office equipment	Refurbishment of offices and provision of furniture and equipment	16 tables 8 office chairs 8 computers 8 printers 8 file cabinets	
Feeding programs for marginalized communities	To enhance retention and promote school health and nutrition.	Fed pupils in 20 schools @ sub county Kitchen staff	
Feeding programs for marginalized communities	Provision of cleaning equipment and materials	Clean kitchens, and utensils staff	
Supervision and quality standards assessment	To enhance a robust ecd centers' assessment and effective quality Assurance programme	Assessment reports	

Advocacy meetings with teachers parents and other stakeholders	To enhance community mobilization and build their capacity for effective participation	Signed attendance lists	
Construction of an ECD training center	To provide a training facility for ecd teachers	A completed training facility	
Construction of boarding facility for marginalized pupils	To provide ecd services to marginalized communities	A boarding ECD center facility	
Purchase of 2 motor vehicles and 8 motor cycles	To enhance a robust ecd centers' assessment and effective quality Assurance programme	2 motor vehicles(1 for Murang'a North region and the other for South Region) 8 motor vehicles (1 in each sub county)	
Maintenance and fuelling cost of vehicles and motor cycles	To enhance a robust ecd centers' assessment and effective quality Assurance programme	Fuel costs @ year 1m Maintenance costs @ year 1m Total 2m	

Adult Education

I. Planned/ Ongoing Projects

Project Name Location	Objective	Targets	Description of Activities
Upgrading of 3 ABE centers in 35 wards	To have a conducive learning learning class for ABE learners in all the wards.	3 ABE centers upgraded in all the 35 wards totalling 105 ABE centers.	
Construct two CLRC center in the county.	2 CLRC's completed in the county	2 CLRCs completed and stocked with learning materials	
Procure 2 computers per ABE center in the county	Provide 502 computers to 251 centers	502 computers procured in ABE centers	
Recruitment of Teachers	Recruit 3 teachers per ward in all 35 wards	105 teachers recruited in the 35 wards	
Creation of Awareness	Hold 2 meetings per ward in all the 35 wards.	70 meeting held in all the 35 wards.	
Procurement of writing/teaching materials	Procure writing materials for 4,000 learners in the county.	Exercise books, pencils, pens, chalk and flip charts	

Persons with disabilities

The following are the proposed project for the persons with disabilities

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Upgrading of rehabilitation centers at Kangema Sub County				
Construction of another rehabilitation Center in Muranga Gooth Kandara sub county that should incorporate all disabilities, training and assessment for talent identification.				
Upgrading of the Special Schools for the mentally challenged: <ul style="list-style-type: none"> i. Don Orion in Kinaru Sub County ii. Passy Davies – Dormitories and staff quarters iii. Mukurenju special school iv. Githunguri special school v. Kirunguru in Kandara - dorms to serve the whole county vi. Thuita Mathioya school for PWD's vii. Mbiri primary school- under construction. viii. Mairungi – under construction ix. Githigi special school x. Kaiguri special school xi. Wangai Special School 				
Visually Impaired Construction of a special school for the blind in Mathioya sub county with				

primary and secondary school facilities				
Physically challenged schools Construction of a physical challenged school in Kigumo sub county with primary and secondary facilities				
Hearing impairment Improvement and upgrade of Gacharu special school for the deaf in Kiharuto serve the whole county				
Integrated education Every school in the county to have a special unit to serve the surrounding community. Equip teachers with equipment e.g. braille materials.				

Examination and Evaluation Sub Sector

Vision

To be the leading county in Kenya Certification of Primary Examination performance in the country

Mission

To objectively evaluate learning achievements in primary school students at all levels so as to prepare them for National examinations.

Core values

- Integrity
- Team work
- Competiveness
- Service and Excellence
- Hard work
- Professionalism
- Efficiency
- Equal Opportunity
- Commitment

Strategic goals

- County examination to be developed and administered
- Quality of education improved
- Access and equity to education evaluation increased
- Team work of stake holders and service providers in education strengthened and enhanced
- Capacity of education managers enhanced
- Standards of examinations promoted

Sectoral objectives

- To develop and administer county examinations on termly basis for pupils of class one to eight
- To ensure the tests are relevant, reliable and of acceptable standard aimed at improving standards of education
- To enhance and strengthen team work among stake holders and education service providers for ownership of examination programs
- To increase access and equity in education evaluation program among all pupils in the county
- To improve capacity of Education Managers and teachers in evaluation skills.

Sectoral projects

- Developing test items by selected skilled teachers
- Printing, packing and distribution of the examination
- Administration of the examination
- Analysis of the examination results
- Motivating schools, teachers and pupils
- Drawing strategic interventions for improved performance
- Mobilization of revision materials
- ICT component for examination bank

I. Planned/Ongoing Projects

Sub-sector Objective1:			
Project Name Location	Objective	Targets	Description of Activities
Developing tests	To develop and administer county examinations on termly basis for pupils of class one to eight	<ul style="list-style-type: none"> • Opener exam classes 6,7 and 8 • Mid term exam classes 1 to 8 • End term exam classes 1 to 8 	
Printing, packing and distribution of the examination	To ensure the tests are relevant, reliable and of acceptable standard aimed at improving standards of education	<ul style="list-style-type: none"> • Opener exam classes 6,7 and 8 • Mid term exam classes 1 to 8 • End term exam classes 1 to 8 • Good prints • Feed backs 	

Sub-sector Objective2:			
Project Name Location	Objective	Targets	Description of Activities
Administration of the examination Analysis of the examination results	To enhance and strengthen team work among stake holders and education service providers for ownership of examination programs	<ul style="list-style-type: none"> • Analysis booklets available to the county offices • TSC & Education County Directors offices • sub county offices • zonal offices • headteachers 	
Motivating schools, teachers and pupils	To increase access and equity in education evaluation program among all pupils in the county	Awards to best performing schools, best improved schools, teachers and pupils	
Drawing strategic interventions for improved performance Mobilization of revision materials	To improve capacity of Education Managers and teachers in evaluation skills.	Visits to schools by the <ul style="list-style-type: none"> • Mentors • County education officers • Relevant stake holders 	
ICT component for examination bank	For quality assessment and evaluation and access to varieties of questions	Examination database program	

Education / County Streams Sub Sector

Vision

For timely and effective intervention for the Murang'a needy Child

Mission

To provide additional facilities in order to accommodate more deserving learners in the best ten performing schools

Core values:

- Professionalism
- Integrity
- Innovativeness Team work
- Commitment
- Team work

Sector Goal:

To provide wider access to education for the disadvantaged learners in Murang'a County.

Sector strategic issues:

- Access to quality education
- Provision of extra facilities to schools
- Increase in student enrolment
- Sector to improve quality of education
- To provide additional learning facilities
- To ensure continuity in student enrolment

Post Primary Institution Subsector

Subsector goal:

Equip schools with the necessary infrastructure to enhance accessibility and retention of students in schools.

Sub-sector Objective 1:

To improve infrastructure in schools

Strategies:

- To equip, refurbish and upgrade infrastructure in schools
- To establish model streams in each of the best performing schools.
- To start new class rooms and dormitories
- To facilitate the field officers to be able to supervise and monitor the implementation of the projects

Sub-sector Objective 2:

To construct additional instructional and accommodation rooms in the selected schools

Strategies:

- To provide tools and equipment to selected schools in the county
- To provide facilities to ten best performing schools covering boys and girls
- To employ adequate and qualified teachers for the selected schools
- To initiate collaboration and linkages with stakeholders and Development Partners

I. Planned/Ongoing Projects

Sub-sector Objective 1 & 2 : Building and equipping physical facilities			
Project Name Location	Objective	Targets	Description of Activities
Infrastructure	Construct at least two class rooms per selected schools with desks and lockers 2 per Ward per Year	Completion certificates	
infrastructure	Construct at least two dormitories per selected schools with ablution rooms & beds 2 per Ward per Year	Completion certificates	
Teachers	Employ at least 6 qualified teachers	Staff returns	
Office maintenance	Facilitate the field officers to be able to supervise the implementation of the projects	Annual reports	

Proposed Ward Projects

Project/Location	Priority Ranking	Objectives	Targets	Description
Upgrading the Polytechnic				Upgrading and equipping various polytechnics in the county these include: Ngurweini Polytechnic, Kariua Polytechnic, Karugia Polytechnic, Kahumbu hill youth Polytechnic, Kiangare polytechnic, Gituru polytechnic, Gacharage polytechnic, Kamukabi polytechnic, Kiranga polytechnic, Nguthuru Polytechnic, Ichichi Polytechnics, Ithiru polytechnic,
Construction of Polytechnic				Construction of one Polytechnics in Ithanga Ward, Ngararia Ward, Kigongo polytechnic in parcel No. 1072.lo.c.15/kigongo, Kinyona location, Gacharage location, Gachocho location, Kiiri polytechnic, Githiga Polytechnic
Establishment of Early Childhood Development Centers				Establishment of Early childhood development centers within Murang'a county in the following locations: Kagira A. Nursery, Kagira Primary ECD, all primary schools – Gaichanjiru Zone, Gaturi ward, Ruchu Ward, Mugumo Rubiru, Gachagi, Kiriko, Muruka Ward, Ithiru Ward and all shopping centers in Rwathia Ward, Kawariuwa Nursery School
Nursery schools				Construction of Nursery schools at Kawendo Primary School, Gitiri village, Mugumoini area, Gaichanjiku, Rural area, Mwitumberia, Kaseve, Kihara, Gathaiti, Muhohoyo and Kibuu nursery to be upgraded
Establishment of New Primary Schools				Establishment of New Primary Schools i.e Karichiungu Primary school, Kieni Nursery school, Mugumoini Primary school, Gaichanjiru pri school, Kamiti, Ngurunga, Riural
Upgrading Primary School				Expand 11 primary schools in Gaichanjiru Ward, Renovation of all primary schools in Mugoiri Ward, Kahumbu Ward. -Construction of new classes at Kahuti Primary School (New) for class 4 -8, Kairitu Primary School (New) for class 4 – 8, Kimotho Primary School – 2 classes and Njoguini primary school - Renovation of 10 Classrooms in primary schools in Rwathia Ward - Paint all the 16 public primary schools in Kinyona Ward -Classes for St. John Primary School, Holy Rosary Primary School, Kibutha Primary School

Upgrading the Secondary schools Laboratories				Upgrade Laboratories in the various secondary schools in the county including Kiboi secondary, Kahuro secondary, Kiumba secondary, Yamugue secondary, Mirichu secondary, Kamaguta secondary, Kagumo secondary, Ndutuni secondary, Dr. kiarp secondary, Nyagatugu Secondary School, Kihoya secondary school and secondary schools in Kahumbu Ward, Kahariro secondary school, Gitugu Secondary School
Construction of New Classrooms, administration blocks and library in the Secondary schools				Construction of New Classrooms administration blocks and library in the Secondary schools i.e Wanjerere Secondary School, 9 secondary schools in Kinyona ward, Kahuro secondary, Kiumba secondary, Kiruri Secondary School day school
Establishment of new Secondary Schools				Establishment of new Secondary Schools at kaha- ini, kandani secondary school, Upgrading one secondary school to offer boarding facility in Kahumbu Ward
Adult education center				Construction of an adult education center at Ruchu Ward
Set up revolving trust fund for students				Set up revolving trust fund for students at Kamahuha Ward

Pubic Participation

1. There is need for Early Childhood Development (ECD) college for training teachers in ECD
2. The remuneration for all nursery teachers to be funded by government
3. Teachers in Muranga county to be recruited by the county government
4. Youth polytechniques – eg Karuru polytechnique should be re-habilitated and attract more students and staff. The polytechnique has many buildings that are old and not properly maintained. The institution has a lot of un-utilized land
5. Employment should be created for those youth at homes. Youth and children who have gone to school but do not have jobs.
6. There is need for a polytechnique in Kiria region. Ngaru secondary school has donated land for the construction of a polytechnique to assist those in the region
7. Many schools lack enough teachers. The county should consider employing more teachers for schools and thereby create employment
8. Need for Adult Education in Gitahi district
9. Establishment of a Community Learning Resource Centre to enable the public to borrow books and enhance education levels in the region
10. Early Childhood Development to be at the county level through the employment in ECD
11. Special learning institutions to be established at the county – policy at the county government has an inclusive education – let them learn together with the other instead of excluding them, the policy is inclusion (physically challenged, etc.) unless those of the blind,
12. More village polytechniques to be constructed and equipped in every ward – not called village but youth polytechniques

13. More youth to be employed by the polytechniques
14. Adult education to reduce illiteracy level
15. Libraries
16. Primary schools – county to employ more primary and secondary teachers – Primary schools not a function of county government only ECD teachers
17. Bursaries – to increase bursary funds to allow more children from less privileged backgrounds to afford schooling
18. Village committees to manage the bursaries
19. Five public boarding primary schools to be constructed per ward in Kandara
20. Revive athletics club- Kagumoini, Kiruwa, Githumu
21. Specific human resources to address various sectors and positive to human engagement
22. Every learning institution should institute a special education teacher and class to cater for children with special needs and slow learners.
23. All learning institutions should be easily accessible by persons with disabilities.

7.5.6 Strategies to Mainstream Cross-cutting Issues

The sector will target the secondary school age population in passing HIV/AIDS behaviour change communication. This age is vulnerable and specific measures will be introduced such as youth friendly VCT. Introduction of abstinence clubs in secondary schools is another measure that will be used to mainstream HIV/AIDS in this sector.

Tree planting in schools has been on-going as a measure of increasing the forest cover in the county. Environmental conservation will be taught in schools through environment clubs formed in these institutions to teach children the need to conserve the environment. Support for the girl child education is bearing fruit and this can be seen from the retention rate and enrolment rate for primary and secondary schools.

The revival of vocational training centres is expected to absorb the youths who drop out of school for various reasons where they are trained on technical courses. These centre and both primary and secondary schools will be equipped with computers and connected with internet to enhance information and communication technology.

Education empowers society to overcome social economic challenges through adoption of modern technology and new systems of agricultural production and inventions in business. This will assist in alleviating poverty and management of disasters such as drought and famine.

7.6 Public Administration and International Relations Sector (PAIR)

The sector is represented in the county by planning, finance and public service subsectors.

7.6.1 Sector Vision and Mission

Vision

A leading sector in public policy formulation, implementation, coordination, supervision and prudent resource management

Mission

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

7.6.2 County Response to the Sector Vision and Mission

In response to the sector vision and mission, the county has been formulating policies, coordinating and supervising prudent use of human, financial and material resources. This is done through funding, monitoring and evaluation, recruitment and development of staff and coordination of development programmes and projects. The county also ensures efficient management and prudent resource utilization through audit inspections.

7.6.3 Role of stakeholders

The following are the roles of stakeholders in the PAIR sector

Stakeholder	Role
Planning Department	Policy dissemination; Development Planning, budgeting, coordination, monitoring and evaluation of development programmes and projects. Collection of data, collation and analysis for decision making in the county.
Finance Department	Custodian of government funds at the county level; Control of government expenditure; Collection of revenues. Accountability of public funds. Procurement of goods and services. Collection of revenue.
Human resource department	HR management and development. HR analysis. Coordination of operations in the county.
Development partners	Financial, material and technical support.

7.6.4 Sector resources, constraints, achievements and strategies

Sub-sector	Priorities	Constraints	Strategies
Planning	<ul style="list-style-type: none"> - Complete and equip sub county planning units. - Construction and renovation of Sub County planning Units,(kigumo, kiharu,Mathioya & kahuro) - County data collection and development of county data bank. 	<ul style="list-style-type: none"> High cost of communication equipment, High operation costs, Inadequate office space; Inadequate funding; Inadequate ICT equipment, Inadequate staff; Inadequate transport Insufficient funding coupled with delayed funding. Inadequate offices 	<ul style="list-style-type: none"> Increase use of internet services in the county Proper dissemination of information at all levels, Regular update of information in the centre; Complete construction and equipping of sub county Planning Units; Collection of information for preparation of CIDPs; Resource mobilization; Do needs assessment of staff and liaise with headquarters for recruitment and deployment.
Finance	<ul style="list-style-type: none"> - Construction and equipping of Sub-County Offices (Mathioya, Kiharu Kahuro and Gatanga). - Renovation and rehabilitation of sub county offices(Ikigumo Kangema and Kandara) 	<ul style="list-style-type: none"> - Mobility (inadequate transport) - Inadequate office space. - Manual accounting system - Inefficiency in revenue collection. - Unharmonised fees and charges among defunct local authorities. - Inhabitable market places 	<ul style="list-style-type: none"> - Automation accounting system - Construction of offices. - Procurement of motorvehicle for each sub county - Harmonization of fees and charges amongst the sub counties. - Rehabilitation of markets.
Human resource	<ul style="list-style-type: none"> - Development of a county organizational structure. - Undertake workload analysis to determine optimal staffing level - Performance management system. - Develop and formulate appropriate HR policies. - Capacity building. - Establishing HR information system. 	<ul style="list-style-type: none"> - Lack of clear ly defined structures. - Staff currently serving in the county is coming from different organizations. - Lack of harmonized policies - Lack of harmonized performance evaluation standards. - Change brought about by the new constitutional order. - Inadequate staff 	<ul style="list-style-type: none"> - Developing HR policies and practices - Undertake workload analysis to determine optimal staffing level - Develop and implement a common performance evaluation system. - Recruitment of additional right personnel

7.6.5 Projects/ Programmes

The county has no flagship project, but has three other projects in the public administration and international relations sector. There are no stalled projects in this sector. There are no outstanding and new projects in this sector.

ii) On-going Projects/Programmes:

The following are the on-going Projects/ Programmes in the planning, national development and vision 2030 sub- sector.

Project Name & Location	Objectives	Targets	Description of Activities
Equipping of the SCDU; Gatanga, Kandara and Kangema constituencies.	To improve information, education and communication(IEC)	3 SCPU constructed in the county; 3 SCPU equipped.	Construction and equipping of the SCDU.
Community Empowerment Programme; Countywide.	Empower the community members on identification and implementation of development programmes/ Projects.	Enhance the capacity of communities and stakeholders at the county level and. below	Trainings of community members.

Planning

i) OnGoing Projects

Sub-sector Objective1: To develop a County Monitoring and Evaluation Framework			
Projects	Specific objective	Targets	Activities
Establishment of M&E framework	To ensure efficacy in resource utilization.	<ul style="list-style-type: none"> M&E system in place 	<ul style="list-style-type: none"> Composition of Sub-county M&E committees. Development of M&E tools and indicators.
		<ul style="list-style-type: none"> Number of meetings held 	<ul style="list-style-type: none"> Hold quarterly M&E meetings.
		<ul style="list-style-type: none"> Number of field visits 	<ul style="list-style-type: none"> Field M& E project visits.
		<ul style="list-style-type: none"> 1 CAMER report produced 	<ul style="list-style-type: none"> Produce County Annual Monitoring and Evaluation Report (CAMER)
		<ul style="list-style-type: none"> 1 (4X4) vehicle procured. 	<ul style="list-style-type: none"> Procure a vehicle for M&E.
Construction of a county Information and documentation center (CIDC).	To construct 1 (CIDC) for development information access and dissemination.	<ul style="list-style-type: none"> 1 fully equipped CIDC in place. 	<ul style="list-style-type: none"> Construction of CIDC. Equipping of CIDC.

Sub-sector Objective2: To Plan and Coordinate Development activities in the County			
Projects	Specific objective	Targets	Activities
County and sub-county development committees.	To establish a county development committee. Establish eight sub-county development committees	<ul style="list-style-type: none"> 1 legal framework on development coordination and reporting in place. 	<ul style="list-style-type: none"> Policy formulation on development coordination, report submission and structures.
		<ul style="list-style-type: none"> 4- Quarterly meetings held. 	<ul style="list-style-type: none"> Hold quarterly county meetings.
		<ul style="list-style-type: none"> 48 meetings held 	<ul style="list-style-type: none"> Hold 6 meetings in every sub-county.
Construction of 2 Sub-county planning units.	To Construct Sub-county planning units (SCPU) at Kahuro and Kigumo	<ul style="list-style-type: none"> 2 SCPU constructed and fully equipped. 	<ul style="list-style-type: none"> Construction of 2 SCPU. Equipping of the SCPU.
Data collection	To collect data for development planning.	<ul style="list-style-type: none"> No. of field visits. No. of reports written. 	<ul style="list-style-type: none"> -2 Field visits on data collection yearly. -Report writing and dissemination of findings. -Post Evaluation. -Prefeasibility studies.
Mid-Term Review of County Integrated Development Plan (2013-2017)	To assess the implementation progress of the CIDP (2013-2017)	<ul style="list-style-type: none"> Mid-term report on reviewed CIDP 	<ul style="list-style-type: none"> Hold stakeholders forum
County Integrated Development Plan (2018-2022)	-To produce a county integrated development plan that will form the focus of development for the county.	<ul style="list-style-type: none"> -1 five year Development plan for the county. 	<ul style="list-style-type: none"> -Consultation forum at ward level to collect views and priorities for development. -Sector planning meetings. -Validation fora at sub-county level. -Plan preparation, publication and dissemination.

Sub-sector Objective 3: To prepare County Budget			
Projects	Specific objective	Targets	Activities
County Budget Preparation.	To ensure an all sector inclusive budget. To involve the public in the budgeting process	<ul style="list-style-type: none"> No. of consultative meetings held. 	<ul style="list-style-type: none"> -Consultation at ward level to collect views and priorities for development.
		<ul style="list-style-type: none"> No. of MTEF sector meetings 	<ul style="list-style-type: none"> -MTEF Sector meetings.

		held.	
		<ul style="list-style-type: none"> Public validation of the budget done. 	<ul style="list-style-type: none"> Validation fora at sub-county level.
		<ul style="list-style-type: none"> Budget statement prepared. Approval of budget by County Assembly 	<ul style="list-style-type: none"> -Budget preparation and approval.

ii) New Projects

Project Name	Location of project	Priority Ranking	Objectives	Targets	Description of Activities
Logistical support sub county headquarters	County wide		Effective, Monitoring and Evaluation.	Purchase of one 4WD vehicle by 2017	Purchase of a 4WD vehicle For M & E
Capacity building County Wide	County Wide		Improve the communities' involved in participatory planning	Community participatory forums	Training in participatory planning
Monitoring and evaluation of projects	County wide		To track the implementation of the CIDP	Produce and disseminate quarterly and annual monitoring and evaluation reports	Field visits and report writing
Review of the CIDP	County wide		To continuously review the CIDP to align with the existing laws and regulations	Review CIDP annually Disseminate the CIDP	Participatory review of CIDP
Production of status report on MDG's in the county	County wide		To produce status report on MDG's in the County	Produce and disseminate report on MDG's bi annually	Report on MDG status
Budget Preparation Process	County wide		To ensure participatory budget preparation process	Annual budget preparation process	Budget review report
County Statistics	County wide		To ensure reliable and accurate	Continuous updating of county statistics	Surveys, field visits and report writing

			statistical information		
Project mapping and database	County wide		To ensure upto date database on GIS and mapping of projects and programmes	Map all projects and maintain database	Field vistic and mapping of all projects in GIS

Finance Sub Sector

i) On going Projects

OnGoing Projects Include:

Projects	Objectives	Targets	Activities
Automation of revenue collection	To ensure efficiency in revenue collection	<ul style="list-style-type: none"> • System in place and working 	<ul style="list-style-type: none"> • Hardware and software installation • Training
Construction/ renovation of sub county treasury offices	To provide office space for sub county treasury staff	<ul style="list-style-type: none"> • Office in place 	<ul style="list-style-type: none"> • Renovation/expansion of Kigumo, Kandara and kangema offices • Construction of offices at Kahuro, Gatanga and Mathioya
Purchase of motor vehicles	To facilitate logistical operations of the finance department	<ul style="list-style-type: none"> • 7 Vehicles in operation • 3 Motor vehicles in operation 	<ul style="list-style-type: none"> • Purchase 3, 4WD vehicles for revenue enhancement in sub counties;and 3, 4WD vehicles for internal audit, enforcement and revenue respectively
Capacity building for staff	To enhance performance in finance department	<ul style="list-style-type: none"> • Improved performance in the county/ sub counties 	<ul style="list-style-type: none"> • Training of staff in finance department • Recruitment of additional staff • Staffing sub county with procurement and internal audit staff
Community sensitization	Training of Trainers	<ul style="list-style-type: none"> • Meetings held in all the wards. 	<ul style="list-style-type: none"> • Holding of sensitization meetings across all the wards,
Recruitment of : Revenue collectors Enforcement Officers	Recruiting of 100 collectors Recruiting of 30 officers	<ul style="list-style-type: none"> • Attendants recruited Market. • Officers recruited 	<ul style="list-style-type: none"> • Advertising of vacant Posts • Advertising of vacant Posts
Tribunal meetings Land board Liquor board	Fixing date of the meetings Fixing date of the meetings	<ul style="list-style-type: none"> • Meetings held 	<ul style="list-style-type: none"> • Approval of subdivisions and transfers • Approval of applications

ii) New Projects

The proposed new projects include:

Project Name	Location of project	Priority Ranking	Objectives	Targets	Description of Activities
Automation of revenue collection	County Wide		Efficiency revenue collection	Computerize all revenue and expenditure	Software installation and training

				processes	
Logistical support sub county headquarters	County wide		Ensure effective Monitoring and Evaluation.	Purchase of 10 4WD vehicles by 2017	Purchase of a10 4WD vehicles For revenue collection supervisors
Construction of sub county administration and finance offices	Mathioya, kahuro, kiharu and gatanga				
Staffing of finance department					

Human resource Sub sector

i) Ongoing Projects

The ongoing projects are:

Sub-sector Objective 1: To develop and implement systems that facilitate effectiveness, efficiency and provision of conducive work environment for realization of murang'a county goals			
Projects	Specific objective	Targets	Activities
Work load analysis	To provide systematic mechanisms for assessment of future staffing requirements in terms of numbers, skills and competencies.	<ul style="list-style-type: none"> • Reports and recruitment plan in place. 	<ul style="list-style-type: none"> • Job evaluation, job analysis, job description, matching existing staff with the jobs. • Establishment of gaps
Development of HR procedures, policies and practices	Strengthen and harmonize HR policy making and implementation capacity	<ul style="list-style-type: none"> • Operational policies, procedures, practices and systems 	<ul style="list-style-type: none"> • Stakeholder engagement • Approval. • Implementation • Operationalization
Installation of human resource information system.	Provide systematic mechanisms for assessment of future staffing requirements in terms of numbers, skills and competencies.	<ul style="list-style-type: none"> • Operational system. 	<ul style="list-style-type: none"> • Stakeholder engagement: • Hire Consultant • Approval. • Implementation • Operationalization
Improvement of county registry/records management systems by digitization	Knowledge management by facilitating acquisition usage, retrieval and reuse of knowledge that forms the basis of policy formulation, implementation and review.	<ul style="list-style-type: none"> • Well established records management system. 	<ul style="list-style-type: none"> • Identification of room • Procurement of equipment • Scanning • Development of uniform index and coding system
Renovation and expansion of office space/upgrading existing equipments.	Develop staff transfer and development policy for county headquarters and development based staff.	<ul style="list-style-type: none"> • Policy document • Additional office space. 	
Establishment of staff welfare/recognition programme.	Develop staff welfare arrangements to support individuals and teams. Build supportive structures to implement performance management.	<ul style="list-style-type: none"> • Staff welfare programme in place • Documented performance management programme. 	
Acquire /expand additional office space for staff	Equip staff with the right working environment.	<ul style="list-style-type: none"> • Additional office space 	

recruited over the 5 years			
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Sub-sector Objective 2			
Projects	Specific objective	Targets	Activities
Staff training and development	Ensure citizens are served by knowledgeable, skilled and complete public servants	<ul style="list-style-type: none"> • Skills inventory • Skills and competency development programme 	<ul style="list-style-type: none"> •
Establishment of a resource centre	Knowledge management by facilitating acquisition, usage, storage, retrieval and reuse of knowledge that forms the basis of policy formulation, implementation and review.	<ul style="list-style-type: none"> • Well equipped resource centre. 	<ul style="list-style-type: none"> •
Capacity Building	Ensure citizens are served by knowledgeable, skilled and complete public servants	<ul style="list-style-type: none"> • Skills inventory • Skills and competency development programme 	<ul style="list-style-type: none"> • Induction programs • Skills and competency development • Team Building • Benchmarking programs • Conduct a training needs analysis • Implement the training programs
Establishment of a resource centre	Knowledge management by facilitating acquisition, usage, storage, retrieval and reuse of knowledge that forms the basis of policy formulation, implementation and review.	<ul style="list-style-type: none"> • Well equipped resource centre. 	
Recruitment of staff to fill existing vacant positions as per the County Government Act	Advertisement Recruitment Management		

ii) New Projects

Project Name	Location of project	Priority Ranking	Objectives	Targets	Description of Activities
Develop Organizational Structures	County Wide		Structured organizations for better communication	Clear organizational structures in place	Organizational mapping
Develop HR policies and regulations	County Wide		Objectively managed public service	Policies in place	Policy formulation process
Implement HR systems	County Wide		Functional HR Systems and procedures	HR systems in place	Programming
Undertake workload analysis	County Wide		Matching employees to jobs	Clear workload guidance	Assessment
Develop and implement schemes of service	County Wide		Structured career progression	Schemes of service for all professions	Drafting scheme of service
Initiate recruitment and selection process	County Wide		Well staffed functions	Commensurate staffing levels	Recruitment process
Induct all new employees	County Wide		Well trained and competent employees	New employees inducted	Training, mentoring and coaching
Conduct performance management	County Wide		Ensuring result based management	Functional and performing work force	Performance training, contracting and appraisal
Undertake capacity building of all staff	County Wide		Competent staff	All staff capacity built	Training, mentoring and coaching
Develop and implement code of regulations for all staff	County Wide		Structured HR Management	Code in place	Drafting and implementing code of regulation
Undertake job evaluations for all cadres	County Wide		Matching skills to jobs	All jobs matched to holders	Evaluation

Project Name	Location of project	Priority Ranking	Objectives	Targets	Description of Activities
Develop and implement reward management strategies for staff	County Wide		Motivating county staff	Reward system in place	Implementation of reward system
Manage county employee welfare	County Wide		Motivating county staff	Motivated county employees	Implement motivation initiatives

7.6.6 Strategies to Mainstream Cross-Cutting Issues

The sector will mainstream cross-cutting issues while implementing activities. HIV and AIDS will be mainstreamed during formulation and implementation of projects and programmes for this sector. The sector will be involved in designing policies and programmes to overcome unemployment, poverty, and ensure gender balance in all activities undertaken in the county.

In coordinating county development the sector will ensure environmental conservation and gender issues are integrated. It will also embrace ICT in tracking results through monitoring and evaluation and financial management.

7.7 Governance, Justice, Law and Order Sector (GJLOS)

The sector is represented in the county by the following sub sectors; County Internal and co-ordination of National Government, internal security, home affairs, independent electoral and boundaries commission, judiciary, County co-ordination and Enforcement.

7.7.1 Sector Vision and Mission

Vision

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

Mission

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

7.7.2 County Response to the Sector Vision and Mission

In response to the sector vision and mission, the county has set up various institutions aimed at achieving the goals of the sector. Such institutions include the anti-corruption committees that have been devolved to the constituency level, and the community policing initiative that aims at involvement of the community in creating a secure environment. The county is also striving to improve delivery of legal services and reduce inequalities in administration of justice. Efforts have been made in restoring public faith and credibility towards public service through provision of transformative leadership and upholding of the rule of law.

7.7.3 Role of stakeholders

The following are the roles of stakeholders in the GJLOS sector

Stakeholders	Roles
Departments of Judiciary, Probation and Provincial Administration, Immigration, IEBC, National Police Service	To give policy guidelines for the sector; To provide leadership, and implement government policies; Maintain law and order and ensure administration of justice; Registration of births, deaths and issuance of identification documents; Review of electoral boundaries, conduction of elections and referendum voter registration and voter education; Provide enabling environment for investment.
Civil Society Organizations	Advocacy and civic education.
LSK	Regulate members' professional ethics.
Community	Participate in creation of a secure environment; maintaining respect to rights of the citizen; community policing.
Private Sector	Provide services e.g. legal services, partnership with the government in key programmes.

Stakeholders	Roles
Rehabilitation of offenders in the county	

7.7.4 Sector resources, constraints, achievements and strategies

Sub-sector	Priorities	Constraints	Strategies
National coordination National Police, County Co-ordination Judiciary, IEBC, Probation, Civil registration, Reg of persons, Immigration, County enforcement	- Making provision of line services easier for the recipients and the receivers, enhanced justice, law and order, creating a cohesive society with	- Inadequate space in the sub-county /HQ headquarters; - Dilapidated AP officers' residential houses; - Inadequate housing for officers; - Inadequate capacity (transport and other gadgets); - Lack of disclosure of information by the public. - Poor keeping of records; - Unreported deaths and deaths. - Fuel and maintenance - Lack of uniforms and utilities - Inaccessible roads - Poor Network - Alcohol and drug abuse - Inadequate funding	- complete the ongoing constructions; - Renovate the dilapidated AP houses; - Construct residential houses for police officers in phases; - Intensify community policing and awareness creation. - involved in the exercise; - Awareness creation among community members. - Enhancement of nyumba 10 initiative - Improve the road network - Acquisition - Design and provision of uniforms - Sensitisation of public on security - Registration and securing land titles - Establishment of rehabilitation centers - Design & provision of uniform - Adequate provision of fuel in the budget

7.7.5 Projects/ Programmes

The county has no flagship project but has 11 other projects in the governance, justice, law and order sector. There are no stalled projects in this sector. This sector has 10 new projects but no outstanding projects/ programmes.

Internal and Coordination of National Government

(i) On-going Projects/Programmes:

The following are Projects/ Programmes in the Internal and Coordination and internal security sub-sector.

Project Name Location	Priority Ranking	Objectives	Target	Description of Activities
Upgrading of AP Housing Units; County wide.		To Improve living conditions of APs; To boost the morale of the officers.	Renovate and construct 70 % of A.P houses.	Renovation and construction of AP houses.
Refurbishment and Renovation Of Chiefs Offices; County wide.		To Ensure every chief has an office; Improve government service delivery.	35 offices to be refurbished.	Renovating and refurbishing Chiefs offices.
Setting up of AP Posts County wide		Improve security.	7 AP posts to be established.	Construction of A.P posts.
Construction of DO offices residence in the County		To provide adequate accommodation.	1 unit house constructed.	Construction of the DO's residence.
Police Divisional HQ (Countywide)		To provide law and order in all the divisions		Construction of a fully fledged police station
Muranga County Offices	1	Provide a better environment to serve the citizen Motivation of the country staff	Modern and ideal County Offices	Construction of a modern county assembly, additional county assembly offices, restaurant, library, perimeter fence and land scapping in the premises of the assembly.
Construct Governors Office in all Sub counties		Promote mobility of the governor around murang'a county	8 Governors office	Enforcement of the offices Mordern Parking
Construction and equipping Sub county offices in Kigumo, Gatanga, Mathioya, Kandara , Kahuro,Kangema Constituencies.		To provide office space for district staff.	4 Sub county offices constructed.	Construction of district headquarters.

Muranga County Assembly

Project Name	Priority Ranking	Objective	Target	Description of activities
Construction of office block	1	-Create office space for officers and MCA members -Improve working environment	- Library - IT Centre - Committee rooms and Launges	Construction and Equipping of the offices -Commissioning
Contruction and equipping of the county assembly chambers	1		Modern Equipments	- Construction and Equipping of the offices - Commissioning
Contruction of perimeter fence	1		Perimeter Fencing	Construction of the fence
Construction of parking yard and landscaping	1	Provide proper and secure car park	Ample Parking	Construction of parking yard - Landscaping of the compound
Purchase of vehicles		Easy mobility	2 No	Purchase ofvehicles

Civil Registration sub-sector

The following are Projects/ Programmes in the civil registration sub- sector

Project Name Location	Priority Ranking	Objectives	Targets	Description of Activities
Training registration assistants; County wide.		To create comprehensive and reliable records.	70 % of Assistant chiefs and health institutions personnel.	Train them how to fill forms accurately and correctly.
Registration of persons; County wide.		To obtain 100 % registration coverage.	Obtain 100 % registration need in the county.	Carry out awareness campaigns on importance of civil registration.
Awareness creation; County wide.		Educate public on the need for registration.	80 % of the county population.	Carry out awareness campaigns on importance of civil registration through: Barazas; churches using; church leaders NGOs and CBOs; Constitute civil registration ; Monitoring committees at village level.
Enforcement Unit				Equip, training requirements

Probation services sub-sector

The following are the other Projects/ Programmes in the probation services sub- sector

Project Name & Location	Priority Ranking	Objectives	Target	Description of Activities
Crime prevention; County wide.		To identify crime risk factors.	To reduce crime prevalence by 10 %.	Discussing with stakeholders modern social methods of crime prevention.
Resettlement and Reintegration of Offenders; County wide.		To ensure that the offenders settle and live in harmony with their communities.	To achieve 100 % rehabilitation of all offenders on supervision.	Collaborate with agencies and partners; Hold consultative meeting; Implement rehabilitation plans.
Rehabilitation of Offenders; County wide.		To help offenders reform and become law abiding citizens.	To achieve 100 % reformation of all offenders.	Offering guidance and counseling; Referral and

				networking; Implementing rehabilitation plans.
Rehabilitation of Alcohol and drug addicts		To minimize alcohol and substance abuse in the county	% reformation of addicts	Offering guidance and counseling; Referral and networking; Implementing rehabilitation plans.

ii) Stalled Projects

There are no stalled projects in this sector.

(iii) Out Standing Projects/Programmes

This sector has no outstanding projects/ programmes

New Projects (MTP II Consultations)

Project Name Location	Priority ranking	Objectives	Targets	Description of activities
Expansion of police stations and opening up of more patrol bases, holding cells and staff houses.	1	Improved access to police services	Easily available police services	Construction, Manpower supply,
Supply of equipment and transport.	1	Enhance provision of services	Accessible services	Purchase and distribute equipment
Establish a county drug czar office.	1	Eradicate drug abuse	Drug free society	Office Establishment
Develop drug addict rehabilitation centres.	1	Make drug addicts economically productive	Drug free society	Office establishment, Counselling
Intergenerational dialogue to counsel the youth and mentor them.	1	Enhance offender integration into society	Economically productive youth	Counselling
Hold sensitization forums by administration and stakeholders on illicit brews and drugs.	1	Enhance close relationships between stakeholders	Informed clientelle	Consultations, barazas, stakeholder fora
Community policing.	1	Reduce Crime	Crime free society	Information provision and gathering
Re training of security agents to effectively combat upcoming crimes such as abductions, kidnappings and extortion.	1	Enhance Customer Service Skills	Crime reduction	Training

Provision of reliable transport to improve mobility for increased patrols, modern communication gadgets/equipment.	1	Enhance responsiveness to issues	Increased coverage	Purchase, training
Sensitise the community to volunteer information on criminal activities to security agents;	1	Enhance customer relations	Crime reduction	Stakeholder fora
Strengthen the county office to fight drug abuse and illicit brews.	1	Eradicate Drug Abuse	Drug free society	Equipment, training
County headquarters	2	Office space for county Ap officers	5 offices	Purchase land
Kiharu camp	1	To house more Ap officers	40 units in two bedroom	Construction
Sub-County Headquarters Kahuro	1	Office space for Ap Officers	20 Units in two bedroom	Construction
Murarandia Division Headquarter	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Gitige Division Headquarter	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Murarandia Division HQ	1	Office space for Ap Officers		Construction
Gitige Division Headquarter	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Mugoiri Division HQ	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Sub-County Headquarters Gatanga	1	Office space for Ap Officers	20 Units in two bedroom	Construction
Samuru Division HQS	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Kariara Division HQS	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Kihumbuini Division HQS		Office space for Ap Officers	10 Units in two bedroom	Construction
Sub-County Headquarters Kandara	1	Office space for Ap Officers	20 Units in two bedroom	Construction
Githumu Division Hqs	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Kagunduini Divisional Hqs	1	Office space for Ap Officers	10 Units in two bedroom	Construction

Sub County Hqs Kigumo	1	Office space for Ap Officers	20 Units in two bedroom	Construction
Kigumo Division	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Kangari Division	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Muthithi Division	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Sub-County Headquarters Mathioya	1	Office space for Ap Officers	20 Units in two bedroom	Construction
Njumbi Div. Hqs	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Gitugi Div. Hqs	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Kamacharia Div. Hqs	1	Office space for Ap Officers	10 Units in two bedroom	Construction
Muranga Sub County Hqs Kiharu	1	Offices for Ap officers	20 Units in two bedroom	Construction
Maragua division	1	Offices for Ap officers	10 Units in two bedroom	Construction
Makuyu division	1	Offices for Ap officers	10 Units in two bedroom	Construction
Kangema H/Qs	1	Offices for Ap officers	20 Units in two bedroom	Construction
Muguru Div. Hqs	1	Offices for Ap officers	10 Units in two bedroom	Construction
Kanyenya-ini Div. Hqs	1	Offices for Ap officers	10 Units in two bedroom	Construction

Proposed Ward Projects

Project	Priority Ranking	Targets	Description
Administrative Offices			Construction of DO's office at Kangari town; construction of DCIO offices at Kangari and Gichi-ini; construction of Administration Police Posts at Mungaria, Gakuyu shopping center, Ngutheru coffee factory, Thuita market, Kairi market, Iruri market, Gacibi market, Kandabibi market; construction of Chief Posts at Mugumo; establishment of Chief Camp at Giathanin; construction of Assistant Chief Offices at Kyaume, Mukundi, Kibutha chief's camp
Police Vehicles			Provision of police vehicles.
Security / Flood Lights			Erecting high mast security flood lights at Kahaini Shopping Centre, Ngararia Shopping Centre, Kibereke Shopping Centre, Kaburugi Shopping Centre, Kibuu Shopping Centre, Mathuri Shopping Centre, Giathanini Shopping Centre, Kaguku Shopping Centre, Ngililya Shopping Centre, Kyaume Shopping Centre, Junction Shopping Centre, Mwanja Mbogo, Gakuyu shopping center, Kandari shopping center, Githembe shopping center, Mugumi-ini shopping center/chiefs camp, Karuiro, Gachocho, Gatumbi, Rarakwa, Muito, Gikoe, Gacharage, Mukoma, Hilton, Boro, Gichuka, Kagundu, Mukoe, Karinga and Magomano.
Muranga County Offices			Construction of a modern county assembly, additional county assembly offices, restaurant, library, perimeter fence and landscaping in the premises of the assembly.

Public participation

1. Law courts and prison should be constructed in Every Court Stations
2. Administration police posts should be established at Gando village
3. Solar security lights to be installed at all trading centres
4. Policies that will discourage brokerage within the value chain to allow direct sale from producer to consumer
5. Formulate policies for proper construction of roads and infrastructure according to the official boundaries.
6. County government to increase cash transfers for older people
7. Create cash transfer for orphans and people with disabilities
8. Establishment of Institutions for the disadvantaged in society: For orphans in Kandara, for the Elderly in Gituri and Murinanja; for the mentally handicapped in Kirunguru, Kaburugi, and Mairungi Kagunduini centres; Ruchu for the physically disadvantage; Muruka for the deaf; Kaburugi (ngararia) for the visually impaired
9. Need for home of the elderly in Kandara
10. Home and a school for physical and visually impaired
11. Need policies in the sector to guide development and attract donor funding
12. Assessment centre in Kandara to cater for those with disabilities
13. Five institutions to cater for people with physical challenges in Kandara county
14. Need for a re-creational centre for the youth in all sub counties
15. Rehabilitation centre for the children to cater for boy child and drug addicts
16. Social hall and well equipped playing field
17. 5% of nominative positions to be provided to persons with disabilities – representation in boards and committees – issue of representation
18. Rehabilitation centres for those with disabilities to enhance their skills / crafts – economic empowerment
19. Counselors – for drug abuse
20. Occupational therapists and rehabilitations therapists
21. Centres for the visually impaired, mental, - to be distributed in the three wards
22. Centers for delinquent children – those who come from the streets
23. Re-habilitation of stadiums in towns
24. Information dissemination of Sports events
25. Support for Kandara Children's Home
26. Need for an office to address women issues
27. Establishment of Gifts and Talent Institutions for every sub-county to support growth of Arts.
28. A registrar of births and deaths in the district
29. Land office to deal with land issues
30. Support the Nyumba Kumi Initiative and a police reservist
31. Rehabilitation centres for those petty offenders / community rehabilitation and avoiding contaminating petty offenders with serious offenders
32. Good governance dissemination
33. Tax collection to be localized
34. Taxes should be minimal – 20% to 30%
35. Juvenile police station / facilities to be provided in police station – for children offenders or those who are lost
36. Cereal depot to be constructed in the area. A cereals office to be located there
37. There is a shortage of prosecutors in Kandara law courts

38. Construction of MCA office within the area
39. Security lights are required to be installed in all Kandara wards

7.7.6 Strategies to Mainstream Cross-Cutting Issues

The sector plays a key role in advocating for HIV/AIDs, environment and disaster management, addressing gender and youth issues through coordination and provision of leadership and guidance. This is done through sensitization and awareness creation programmes carried out by specific institutions.

The sector is best placed in mainstreaming the entire cross cutting issues due its strategic roles in co-ordination and provision of leadership so as to spur economic development in the county and at the grassroots level. As the government is adopting ICT in service delivery, all sub-sectors in this sector will be required to comply for better and efficient service delivery to their clients.

7.8 Social Protection, Culture and Recreation Sector (SPCR)

The sector is represented in the county by the following sub sectors; gender, children and social development, Culture and youth affairs and sports.

7.8.1 Sector Vision and Mission

Vision

Sustainable and equitable socio-cultural and economic empowerment of all Kenyans

Mission

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

7.8.2 County Response to the Sector Vision and Mission

In response to sector vision and mission the county provides a platform for mobilizing local communities for self-reliance in basic needs and involvement in development planning process. This has been done through supporting youth and women enterprises, improving sporting facilities, cash transfer programmes for orphans and aged and disability support programmes. The county has been protecting cultural sites such as *Mukurwe wa Nyagathanga* in Kiharu and has been identifying cultural heritage sites with a view of promoting tourism.

7.8.3 Role of stakeholders

The following are the roles of stakeholders in the SPCR sector.

Stakeholder	Role
Department of Social DEvelopment, Youth, Sports, Gender and Children	To provide policy guidelines and regulation in the sector; To facilitate capacity building and training and financial support; Risk mitigation; Registration of CBOs, youth groups, women groups and people with disabilities; Disbursement of social protection funds; Protection of children rights.
Community	Participate in development activities as well as helping the vulnerable groups.
NGOs, CBOs, FBOs	Supplement government efforts in capacity building and training as well as financial support to children, disabled and elderly.
Private Sector	Support community initiatives; Social support to children, disabled and elderly

7.8.4 Sector Resources, Constraints, Achievements and Strategies

Sub-sector	Priorities	Constraints	Strategies
Special Programmes, Youth, Sports, Gender and Children, Social Services.	Women Enterprise Development Fund (WEDF); Youth Enterprise Development Fund (YEDF); Cash transfer for the aged and persons with disabilities; Youth Empowerment Centres;	<p>Low level of community participation and contributions; Poor attendance of meeting and trainings; Dependency syndrome;</p> <p>Lack of inertia among some communities members.</p> <p>Leadership wrangles among some community leaders; Low Adoption and replication of introduced technologies;</p> <p>Group conflict as a result of poor leadership and mismanagement of funds.</p> <p>Inadequate trained counselors to provide counseling services; Inadequate resources to reach clients requiring counselling services</p> <p>credit facilities;</p> <p>Inadequate entrepreneurship skills; Lack of markets for value added products; Low customer purchasing power.</p> <p>Poor entrepreneurship skills among the youth; Leadership wrangles among youth groups; Poor participation of the youth in community development activities</p> <p>High unemployment levels.</p>	<p>Train community leaders on Participatory approach;</p> <p>Encouraging project planning through participatory approaches</p> <p>Training of group & project leaders on relevant skills;</p> <p>Training of trainers</p> <p>Trainings of groups and provision of grants to initiate IGAs; Establishment of revolving loan Schemes, table & village banking.</p> <p>Initiative & regular register self help Projects & groups.</p> <p>Train the physically handicapped Persons.</p> <p>groups and individuals to develop their entrepreneurship skills;</p> <p>Raining of youth leaders on management.</p>

7.8.5 Projects/ Programmes

The county has five flagship projects and 13 other projects in the social protection, culture and recreation sector. There are no stalled or new projects in this sector but there is one outstanding project.

Gender and Social Services sub-sector

Ongoing Projects

There are no ongoing projects Gender and Social Services

New Projects

The following are the other Projects/ Programmes in gender and social services sub- sector

Project Name & Location	Priority Ranking	Objectives	Targets	Description of Activities
Community Mobilization and Development; County wide.	2	To mobilize and sensitize community in order to participate actively in all project activities; Identify their needs, identify locally available resources and take charge of their development process.	150 groups in each constituency.	community mobilization; Capacity building of community leaders participatory project Planning.
Community Capacity Support Programme (C.C.S.P); County wide.	1	To enhance the capacity of community members to initiate, plan, and implement and monitor activities, which promotes their own livelihood	200 groups per constituency	Capacity building; orphans intervention; Community initiative fund; Supervision and follow up.
Groups Promotion and Development; County wide.	1	To promote, register and build the capacity of community groups in order to accelerate their participation in project activities	2,000 groups in the County	groups registration; capacity building; Supervision and follow up conflict resolution & management Grants to Self Help Groups.
Community Micro-Hydro Project; Kiawambogo; Kangema.	2	Provide cheap power; Initiate small community projects; Create income generating activities;	1 micro hydro power plant	Construction of Small power generation plant
Growing Of Amaranth; Kiharu and Kangema sub-counties.	2	Improve nutrition; Income generation.	10 Farmers	Value addition.
Upper Tana Natural Resorce Development Programe	1	Poverty reduction among communitis living in th e tana river basin	400 groups to access the fund	Formation of focal development area committee Rural appraisal Training of groups M&E
Equip and refurbish Muriranja's vocational rehabilitation center to adequately cater for training needs to persons with disabilities	1	To enhance capabilities of persons with disabilities for self reliance	Graduate 150 persons with disabilities with required skills for self reliance	Identify equipment for procurement Seek quotations Seek funding

(iii) Flagship Projects

The matrix below shows the flagship projects in the SPCR sector and their implementation status

Project Name & Location	Priority Rankingf	Objectives	Targets	Description of Activities
Women Enterprise Development Fund (WEDF); County wide.		Institutionalise and increase overall efficiency and amounts of WEDF.	867 women groups in county reached.	Appraising; disbursement; monitoring and collection of WEDF loans.
Cash transfer for the aged; County wide.		Minimise vulnerability through prohibition of retrogressive practices; Initiation of funds for aged.	To reach 1750 elderly people in the county.	Identification; vetting and allocation of funds to the aged.
Cash transfer programme to persons with Disabilities; County wide.		Minimise vulnerability through prohibition of retrogressive practices; Initiation of funds for persons with disabilities.	To reach 490 persons with disability in the county.	Identification; vetting and allocation of funds to the persons with disabilities.
Cash transfer for ophans and vulnerable children (CT-OVC)		To minimize vulnerability Strengthen household economic capacity Ensure retention of ophans in schools	Reach 62000 annually	Identification Vetting and allocation of funds

iv) Stalled Projects

There are no stalled projects in this sector.

(v) Out Standing Projects/Programmes

Project Name	Location	Objectives	Targets	Description of Activities
<i>Mukurwe wa Nyagathanga</i> cultural centre	Gaturi-Kiharu constituency	Promotion and preservation of the <i>Agikuyu</i> culture	Construction of 1 learning centre.	Preservation of artefacts; Construction of traditional learning centre and museum.

Department of sports

Vision - To promote all types of sports

Mission – Develop sports for healthy living and economic development.

The following are the other Projects/ Programmes in sports sub- sector

I. On Going projects

Project Name Location	Objective	Targets	Description Of Activities
Sports training County wide	To improve on the sporting activities in the county	1. 75 football referees 2. 50 athletic judges trained	Holding seminars and coaching courses
Upgrade of Gakoigo, Mumbi and Ihura Sports grounds Matendauo Ruri	To improve stadia conditions	Improved excellence in sports activities	Avail quality stadia
County soccer tournament	1.Engage youth in positive activities 2. Create an opportunity of gaining experience in professional soccer.	Completion of the soccer tournament	Organize and run the tournament in a professional manner.
Identification, registration and documentation of all sports clubs	Harmonized sports activities	All existing sports clubs	Put up a data base on sports clubs
County marathon	Expose athletes to marathon running	Successful hosting of marathon	1.Logistic preparation 2.Standard Marathon course
Establish a talent center in collaboration with Murang'a University	Identify nurture talent with intention of empowering the youth	Identification and nurturing of talent	Scouting, mentoring and coaching
Annual sports day	Increased participation in various sports disciplines	Successful hosting of sports day	Logistical preparation
8 children recreational centers (merry-go-round)	Have a recreational center where children will play	Completion of recreation center	Construction work
Provide sports equipment	To promote various sports discipline	Equip 210 sports club	Procure assorted sports equipment
Kangema community stadium	To build the stadium to the required standards	Construct the stadium	1. Leveling exaction to accommodate a standard track. 2.construction of the main duos Fencing

			Development of athletic track
Secondary 8 Primary school sports tournament	Engage the youth in sporting activities	Completion of the tournament	Organizing and hosting the tournament
Purchase two sports buses	Procurement of two sports buses	Improved mobility	Purchase of bus
Develop an intervention paper that addresses venerable groups (disabled, orphans elderly) and Child protection issues	A detailed paper on addressing the venerable group	Paper development	Data collection, SWOT, analysis, writing, publishing adoption
Organise sport tournament for people with disabilities (County wide)	Promote talent among the people with disabilities	Number of participants	Organising the tournament Hosting Purchase of rewards

(ii) New Projects

The proposed new projects on sports include:

Project Name Location	Priority ranking	Objectives	Targets	Description of activities
Purchase two sports buses (County wide)	1	Procurement of two sports buses	Improved mobility	Purchase of buses
County Soccer Tournament (County wide)	1	Creating an opportunity of gaining experience in professional soccer.	Tournament completed	Organization and hosting the tournaments
Secondary schools sports tournament (County wide)	1	Engagement of the youth in sporting activities.	Tournament completed	Organization and hosting the tournaments
Sports Training; County wide.		To Improve on the sporting activities in the county.	7 coaches/umpires and 4 athletic judges trained.	Holding seminars and training.
Sports equipment; County wide.		To promote sporting activities.	Equip 25 sporting clubs.	Purchase on equipment.
Kangema Community Sports Complex; Muguru Location; Kangema		To build the stadium to the required sports standards.	Construct 1 sports complex.	Leveling and excavation to accommodate 400m athletic track; Construction of main dais; Fencing; Development of athletic track.
Establish a talent center in collaboration with Murang'a University. (County wide)	1	Talent is identified and nurtured with the intention of empowering the youth.	Identification and nurturing of talent	Scouting, Mentoring and coaching

Project Name Location	Priority ranking	Objectives	Targets	Description of activities
Develop a intervention paper that addresses vulnerable groups (Disabled, orphans and elderly) (County wide)	1	A detailed paper on addressing the vulnerable groups.	Paper developed	Data collection, SWOT analysis, Writing, publishing, adoptio
Upgrade of Gakoigo Sports Stadium (County wide)	1	Improved excellence in sports	Avail a quality stadium	Grading and Construction works
Annual Sports Day (County wide)	2	Increased participation in sports	Successful hosting of sports day	Logistical preparations
8 children recreational centers (Merry Go Round) (County wide)	2	A recreational center where children will play	Successul Completion	Construction Works
County marathon (County wide)	2	Attraction of donors and high profile runners in the marathon	Successful hosting of marathon	Logistic preparation
Upgrade and rehabilitate Mukurwe wa Nyagathanga and other heritage sites; and host first annual pilgrimage, cultural night, county prayer day (County wide)	2	Rehabilitated Center Hosting the first annual pilgrimage and cultural night	Tourist class sites Successful hosting of days	Design and construction works Logistic preparations
Darts tournament (County wide)	1	Participation in darts	Participation and winning tournaments	Logistics and Management
Identification, Registration and documentation of cultural groups (County wide)	12	Cultural awareness	All cultural groups registered	Sensitization and registration
General Kago stadium (Kangema)		Promotion of Sports and talent development in Murang'a County	1	Upgrading
Rurii Stadium (Mathioya)			1	''
Mumbi Grounds (Muranga East)			1	''
Ihura Stadium (Muranga East)			1	''
Giachuki Grounds (Gatanga)			1	''
A new fied to identified at Kigumo (Kigumo)			1	''
Gakoigo Show Ground (Maragua)			1	Construction of various structures

Project Name Location	Priority ranking	Objectives	Targets	Description of activities
Matanjawo Stadium (Kandara)			1	Upgrading

II. Stalled Projects

There are no stalled projects in this sector.

Department of Youth Training

Vision: To be a leading and dynamic training provider in technical, vocational, entrepreneurial and life skills to the Youth in the county.

Mission: To empower the youth with appropriate and adequate skills, knowledge and attitudes to realize full potential for individual and national development

Core values:

- Professional integrity
- Innovativeness and creativity
- Team work
- Commitment
- Staff development

Sector Goal: Equip the youth with relevant skills, knowledge and attitudes for the labor market

Sectoral strategic issues:

- Youth Education and Training
- Youth and Employment
- Youth Empowerment and participation
- Youth and Information Communication Technology

Sector Objectives:

- To mainstream and sustain Youth Polytechnics issues in relevant policies and policy documents
- To improve the quality of training programmes
- To ensure that proper management systems and procedures are applied in managing departmental funds, records and other resources

Youth Polytechnics

Subsector goal: Equip the youth with relevant skills, knowledge and attitudes for the labor market

Sub-sectoral Objective 1: To improve the quality of training programmes

Strategies:

1.1 To equip, refurbish and upgrade infrastructure in YPS

1.2 To establish a model YP in each of the eight sub counties.

1.3 To start new and relevant courses in the YPs

1.4 To facilitate the field officers to be able to supervise and monitor the implementation of the projects

Sub-sectoral Objective 2: To develop skills and talents in youths for self employment

Strategies:

2.1 To provide tools and equipments to YPS in the county

2.2 To establish one model YP in the county to take care of trainees with special needs

2.3 To employ adequate and qualified instructors for the YPS

2.4 To initiate collaboration and linkages with stakeholders and Development Partners

i. Sub-Sector Projects

Sub-sector Objective1: Improve the quality of training programmes			
Projects Location	Objective	Targets	Description of Activites
Infrastructure	Construct at least one workshop in each of the 58 YPS	Completion certificates	
Centers of excellence	Establish one model YP in each of the eight sub counties	Completion certificates	
Instructors	Employ at least 100 qualified instructors	Staff returns	
Office maintenance	Facilitate the field officers to be able to supervise the implementation of the projects	Annual reports	

Sub-sector Objective2: To develop skills and talents in Youths for self employment			
Projects Location	Objective	Targets	Description of Activites
Tools and equipments	Equip 58 YPS with tools and equipments by 2019	YPS inventories	
Special needs YP	Establish one YP to train trainees with special needs	Completion certificate	
New courses	Start new, advanced and relevant courses in YPs	Graduation certificates	
Partnerships	Establish partnerships with the County Government, Industry and other stakeholders	Annual reports	
Co- Curricular Activities	Organize Co-curricular activities for youth polytechnics trainees	Annual reports	
Seminar and Workshop	Organize seminar and workshop for instuctors	Annual Reports	

ii. New Projects

The following are the other Projects/ Programmes in the sub- sector

Project Name/ Location	Priority Ranking	Objectives	Targets	Description Of Activities
Revitalization of youth polytechnics in the county.		To equip the youth with relevant knowledge skills and attitudes to participate fully in building a better Kenya.	Renovate /refurbish 7 youth polytechnics.	Popularize the Youth Polytechnics (YPs) through community capacity building and mobilization as alternative centres of learning; Refurbish and upgrade infrastructure in Youth Polytechnics in the county.
Equip and Deploy Staff to Youth Polytechnics; County wide.		Increase access to quality vocational training.	Equip 48 polytechnics; Increase staff levels to 100 %.	Provide tools; Deploy instructors; Liaise with stakeholders.
Construction of a Workshop at Kangema Youth Polytechnic		Provide quality training; Increase access.	Build 1 (one) workshop.	Tendering ; Monitoring of construction.
Dissemination of national youth policy; County wide.		To ensure youth participation in the development of the country.	To reach 10,000 youths.	Community capacity building Youth forums; Provincial administration Barazas
Youth leadership and entrepreneurship training; County wide.		To empower the youth with appropriate and adequate skills, knowledge and attitudes for individual and national development.	1,000 youth groups.	Youth forums; Financial intermediaries to train youths before funding.
Youth Enterprise Development Fund (YEDF); County wide.		Ensure efficient and productive use of funds allocated to youth groups.	439 youth groups in county reached.	Appraising; disbursement; monitoring and collection of YEDF loans.
Youth Empowerment Centres; County wide.		Empower youth through the acquisition of skills; Provision of information and access to recreational facilities.	Construct 7 YEC in the county (1 per constituency).	Construction and equipping of YEC. identification

Persons with disabilities

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
Sports fields – The sports ground (fields) should be disability friendly.				
Upgrading Kiombi and Kandara children's home to serve the entire county.				
To set aside disability fund to support individual disability groups for economic empowerment (in form of grants/ revolving fund).				
Every ward to have an office to cater for the concerns for the persons with disabilities and ease coordination.				
To complete and place and old people in Kigumo (women only).				
Upgrade and renovate Gatari home for the old men				
Every constituency to have an office.				

Proposed Ward Projects

Social Protection, Culture and Recreation Sector (SPCR)

Project	Description
Seedlings	Set up of youth projects to provide seedlings to county.
Projects	Provision of moulders for sand hatcheries in Giathanini, Ngililya, Kaguku and set up of concrete making enterprises.

Group Funding	Provision of emergency funds for calamities such as flood/drought; enhancing Women and Youth Groups with Njaa Marufuku Funds and disability fund to support people with disability groups for economic empowerment (in form of grants/ revolving fund).
Social Halls	Construction of social halls at Mithini Trading Centre, Kihoya , Thuita, Wahundura, Kairi; completion of Kahuro and Githagora social halls and renovation of Kandara social hall
Youth / Sports Centers	Purchase of equipment for Kahuro Youth Centers and provision of sports facilities
Stadiums	Upgrading of Matenjagwo Stadium to a modern stadium
Sports Grounds / Fields	Levelling of Kyaume Football Ground, upgrading of Giathanini Football Ground; grading and establishment of at least four good playgrounds; upgrading of playing grounds at Kinyanjeru, Kiwambugo, Nyagaturu, Wayerere, Tuthu and establishment of disable friendly sports grounds (fields);
Vocational Rehabilitation Centres	Upgrading of rehabilitation centers at Kangema Sub County; construction of rehabilitation center in Maragwa and Kandara sub counties that should cater for all disabled persons, training and assessment for talent identification. Upgrading of Muriranjias vocational Rehabilitation Center
Special Schools for persons with disabilities	Every ward to have an office to cater for the needs of persons with disabilities and ease coordination Every Primary school to have a unit for children with special needs
Children's homes	Upgrading Kiombi and Kandara childrens' homes to serve the entire county
Elderly homes	Construction of a home for the elderly in Kigumo (women), upgrade and renovation of Gaturi home for the elderly (men) and construction of a home for the elderly in Gatanga sub county (women) and Maragua subcounty (for men)
Youth Co-operatives	Establishment of 100 youth cooperatives in different fields
Resource Centre	Establishment of four libraries cum information technology centers in the ward. i.e.one per location
Tourism	Establishment of tourist hotel at Aberdare forest environs; establishment of viewing sites along Wanyerere – tuthu road; improvement of the tourist caves in Aberdare forest; construction of culture and historical center to attract tourists and construction of Karuri Gakure monument,
Youth Polytechniques	Rehabilitating and equipping of Kanyuire Youth Polytechnic; construction and equipping the Proposed Rwathia youth Polytechnic.

Public participation

1. There should be designated places for indoor sports – to be introduced to reduce idleness among the youth for games such as boxing and badminton. Coaches to be recruited to train the youth
2. Electricity to be installed in existing social halls to enable the youth to engage in indoor games in the evening / night.
3. Funds to support the elderly in Kiharu
4. Establishment of a treatment centre for management of Jiggers
5. Support for the youth engaged in sports through sponsorships to progress in their sports career
6. Establishment of playing fields in every ward for sporting activities. Need to rehabilitate existing fields
7. Establishment of sports centers
8. Existing cultural sites in the county should be preserved
9. Provision of space / units in sports academies to enable coaching / mentoring the youth in cultural issues by older generation
10. Establishment of a rehabilitation centre for the alcoholism, drugs especially for the youth. Alcoholism has been a major issue for the county. The public proposes the county government to manage the sale of lethal alcohol
11. Improvement of existing stadiums – to have social halls, canteens to cater for the needs of those using the facilities
12. Establishment of learning resource centre and installation of WIFI system.

7.8.6 Strategies to mainstream cross-cutting issues

The sector will work with other sectors to improve the lives of people affected and infected with the HIV/AIDS virus. The sector will focus on increasing the accessibility to VCT services and PMTCT and continue working with those that have tested positive to ensure they are provided with nutritional supplements and drugs. The infected and affected together with other community members will be trained so as to adequately provide home based care services.

On mainstreaming of gender issues, the sector will ensure that women and youth occupy a third of the leadership positions of various community based management committees in the county. Support for the boy child education will also be encouraged because it has been realised that the boy child is becoming vulnerable as many parents seem not to care much about him.

The sector will also incorporate environmental management issues to ensure that the environment is protected and conserved at all times. This will be done through regulations that protect water catchments areas from encroachment. Tree planting in schools, market centres and villages will be intensified so as to increase the forest cover in the county.

The revival of vocational training centres/and polytechnics is expected to absorb the youth who drop out of school for various reasons where they will acquire ICT skills to make them more productive. The youth sub sector will sensitize young people on good citizenry and on issues of drug and substance abuse. This will ensure insecurity incidences are minimized in the county.

The sector will involve all county residents in development projects and programmes aimed at alleviating poverty. This will be done through group trainings on income generating activities.

7.9 Environmental Protection, Water and Housing Sector (EPWH)

The sector is represented in the county by the following sub sectors; environment and mineral resources, water and irrigation, and housing.

7.9.1 Sector Vision and Mission

Vision

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

Mission

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

7.9.2 County response to sector vision and mission

In response to sector vision and mission, the county has enhanced coordination between the public and private sectors in implementation of projects. This is geared towards providing adequate and safe water to all residents and to conserve the environment. Local communities have been incorporated in such projects to ensure their sustainability.

The county has also put more emphasis on self-help micro and small irrigation units. This has been achieved through mobilization of resources from government and private sector to supplement the community's effort.

Through programs such as *Kazi kwa Vijana*-Trees for Jobs programme, the county has been investing in environmental restoration where the private sector has also been encouraged to contribute.

7.9.3 Role of stakeholders

The following are the roles of stakeholders in the EPWH sector.

Stakeholders	Role
Government (Departments of water, environment, housing)	Provision of policy guidelines and dissemination; Provision of extension and advisory services to stakeholders; Provide funds for certain projects and programmes.
KWS	Regulation of wildlife service subsector; Protection of wildlife; Maintain roads with their area of jurisdiction.
KFS	Regulate and protect the forests; Provide training to farmers; Raising of seedlings and distribution to farmers in addition to planting of trees; Maintain roads with their area of jurisdiction.
NEMA	Enforcement of environmental laws and regulations
WARMA	Regulate use of water resources

Stakeholders	Role
KEFRI	Conduct research and disseminate finding to other stakeholders
Water service providers	Providing clean drinking water to the population; Maintenance of water supplies system.
Farmers	Participate and get involve in conservation of environment and water.
NGOs, CBOs, FBOs	Capacity building of farmers in project planning and management and technical training; Assist in provision of tree seedlings to farmers; Assist in environmental conservation.
Financial institutions/ Private sector	Provision of mortgages for development of housing units; Provide finances for development of houses.
Department of Housing	Housing policy formulation, appropriate and low cost housing technologies promotion, management of, maintenance, rehabilitation and renovation of government houses
Department of Public Works	Facilitate provision, maintenance, rehabilitation, renovation and modernization of quality county public buildings.
Infrastructure Sector	Construction and maintenance of roads, provision of water & sewerage services, as well as marketing infrastructure.
Kenya Power	Distribution of electricity to domestic and commercial users
Private Sector	Provide labour, employment, support, and training opportunities.
Development Partners	Provide logistical support, funding and partnership.

7.9.4 Sector Resources, Constraints, Achievements and Strategies

Sub-sector	Priorities	Constraints	Strategies
Environment and Mineral Resources, Water and Irrigation, and Housing	Clean and healthy environment, Maintain Forest Cover, Adequate portable and irrigation water, Adequate Housing	Low appreciation of the role of NEMA by the public and lead agencies; Inadequate inter-sectoral mechanism for environmental coordination; Inadequate staff where two officers cover the whole county and its sub counties; Conflict on natural resource use; Weak enforcement system. Limited resources and labour; Illegal exploitation of forests.	Conduct EIA and EA on all development projects; Promote effective and efficient management and use of cleaner production technologies; Set up national and regional information and documentation centres; Enhance liaison with other sectors; Initiate procedures for the prevention of accidents which may cause environmental degradation and evolve remedial measures where accidents occur.

7.9.5 Projects/ Programmes

The county has one flagship project and 15 other projects in the environment protection, water and housing sector. There are no stalled projects in this sector. This sector does not have any outstanding projects/ programmes but there are 11 new projects.

Water

On-going Projects/ Programmes

The following are the other programmes/ projects in the water and irrigation sub-sector.

Project Name & Location	Objectives	Targets	Description of Activities
Gatanga Water Supply; Gatanga Constituency.	Improve water supply to households.	70 % of households.	Laying of pipes for the main distribution line.
Gakoe Irrigation Scheme; Njumbi Division; Mathioya Constituency.	To increase area under crop production	Irrigate 50ha of land; Reach 350 farmers.	Extension of mainline and sub main lines
Gatango Rural Water Project; Mathioya Constituency	Ensure availability and access to clean and safe domestic water.	Increase area served by current water supply by 40 %.	Complete the laying of parallel main and rehabilitation of the distr lines.
Gathunya – Thuita water Project; Mathioya Constituency.	Ensure availability and access to clean and safe domestic water.	Increase area served by current water supply by 60 %.	Purchase and Complete the laying out of water pipes.
Kiru – Kagumoini Water Project; Mathioya Constituency.	Ensure availability and access to clean and safe domestic water.	Increase area served by current water supply by 20 %.	Purchase of water pipes.
Gondo Water Project Mathioya Constituency.	Ensure availability and access to clean and safe domestic water.	Increase area served by current water supply by 20 %.	Purchase of water pipes.
Gakaki Irrigation Scheme; Murarandia Location; Kiharu Constituency.	To increase area under crop production.	To irrigate 60 ha of land for 300 farmers using sprinkler irrigation.	Extension of mainline and sub-mains.
Kiambora Irrigation Scheme; Murarandia Location Kiharu Constituency.	To increase area under crop production	To irrigate 20 ha of land by 100 farmers by using sprinklers	Extension of mainline and sub
Kahuti Rural Water Project; Kiharu and Kangema constituencies	Ensure availability and access to clean and safe domestic water.	Increase area served by current water supply by 30 %.	Rehabilitation.
Nyanjingi irrigation scheme; Kangema Constituency.	To increase area under crop production.	Irrigate 60 ha of land; Reach 300 farmers using sprinkler irrigation.	Extension of mainline and sub-mains
Wangai Borehole; Kandara constituency	To provide safe and affordable domestic water supply.	Construction of one steel tank of 40m ³ .	Laying of pipes within Ng'araria and environ; Construction of communal water points.

Project Name & Location	Objectives	Targets	Description of Activities
Kandara water supply	To provide safe, sufficient and dependable water supply; To supply safe drinking water to every home in the lower Kandara district within the plan period.	Lay a 26Km length of 315mm diameter pipeline; Construct 1 water treatment plant.	Laying of pipes; Construct a Treatment works; Rehabilitation of dilapidated pipe system in lower Kandara division; Ruchu, Ithiru and Muruka locations; The proposed pipeline will be an off take from Wanyaga intake works to Mung'aria masonry ground tank a distance of 26 Km; The masonry ground tank is 450m ³ ; The pipeline will also serve Kaguthi, Mung'aria, Nguthuru and Mackenzie; Augmentation of existing dilapidated.
Ititu/Ikundu; Nginda Location; Maragwa Constituency.	To establish an irrigation scheme so as to enable the community engages in horticultural farming.	Supply water to 200 farmers.	Installation of gravity pipeline system; Training members on operation and maintenance.
Maragwa ridge – kambiti water project; Maragwa constituency.	Provide community with portable water.	200 farmers in Kambiti and Maragwa ridge locations.	Installation of gravity pipeline system targeting 200 farmers; Training members on operation and maintenance.
Murang'a bulk water project.	Provide community with safe drinking water.	Kiharu, Maragwa, Kigumo and Kandara Constituencies.	Intake construction; Piping; Storage and distribution of water to the beneficiaries.

(ii) New Projects (Water)

Project Name Location/Division/ Constituency	Priority ranking	Objectives	Targets	Description of activities
Rehabilitation of degraded sites such as quarry. (Countywide)	1	Environmental restoration	Rehabilitate degrade sites	Replanting, Erosion Control

Project Name Location/Division/ Constituency	Priority ranking	Objectives	Targets	Description of activities
Designated dumpsite. (Countywide)	1	Effective solid waste management	Establish a dumpsite	Procurement
Acquisition of exhausters.PPP/LIAISON with water companies (Countywide)	1	Effective toilet waste disposal	Purchase exhausters	Procurement, Training
Advocacy for enforcement of environmental laws. (Countywide)	1	Awareness on Environmental matters	Advocacy campaigns	Media campaigns, posters etc
Increase tree planting. (Countywide)	1	Increase tree cover	Plant trees	Tree planting
Sensitization on water treatment measures as a measure on operation of water wells and boreholes. (Countywide)	2	Awareness on water treatment	Education Campaigns Advocacy campaigns	Media campaigns, posters, training sessions etc
Introduction of water bowsers by water companies. (Countywide)	2	Increased access to clean water	Increasing the number of families accessing clean water	Water trucking
Zoning of towns/urban planning. (Countywide)		Designate activities to sections of the towns	All towns planned	Cartography
Rehabilitation and conservation of Dams/wetlands. (Countywide)	2	Increased access to water	Increasing the number of families accessing water	Dredging, desilting
Expansion, rehabilitation and Construction of water supply systems (Countywide)	2	Increased access to water	Increasing the number of families accessing clean water	Construction works

PRIORITISED DEVELOPMENT PROJECTS (Domestic Water Projects)	
Murang'a South	Gakungu w/p
	Kirichiungu
	Ngaburi
	Kagundu
	Kinyona
	Ikumbi
Gatanga	Kiwaihigo
Kigumo	Kambi-Kaharati
	Gitwe
	Kamwenja

	Kihumbuini
Kandara	Kagunduini
	kariua
	Kagira
	Kamurugu
	Ng`araria
	Kahaini
	Gaichanjiru
	Ngurweini-kamae
	Mariaini-karugia
	Kamae-mariaini
	Mathioya
Treatments works rehabilitation	
Kiriaini/kigoro/ Giteme	
Gondo	
Kiamuturi	
Others	
Kangema	Gataguagwo
	Kahuti
	Wanjerere
Kiharu	Kambirwa
	Njuguini
Kahuro	Gatara
	Yamugwe
	Kagaa
	Mugoiri/Gatundu
	Kahatia/Theri
	Githioro/Ndutumi/Kamaguta
	Koimbi/Mukangu
	Kaganda/Kiumu
	Kiria/Muchungucha/Gacharu Junction
	Kayahwe Gathugu
	Koimbi/Kirogo
	Gatara/Kaihungu
	Muchungucha/ Kayahwe
	Githagara/ Yamugwe
	Junction/Gacharu
Kaganda/Muthiria/Mirichu/Kiria	

Housing

I. On going Project

Projects Location	Specific Objective	Indicators	Description of Activites
Inventory Management (Entire county)			
New housing development projects Major towns: Muranga ,Kangema,Kenol Gatanga, Maragua,Kiria-ini etc			
Renovation of government houses (Entire county)			
Sewerage works (Entire county)			
Security fencing of government houses (Entire county)			

II. New Projects - housing

Programme/Project Name	Priority Ranking	Objectives	Targets to be met	Description of Activities
Promotion of appropriate building technology (Entire county)	1	Enable adoption of decent, low cost housing	General Public	Training, sensitization and awareness creation on appropriate & alternative building technology
Cleaning up, harmonization and updating of the government houses inventory within the entire county	2	Establish total number of government houses within the county, conditions and ownership details	All houses within the county	Physical visits to determine existence and condition of houses, Merging of existing inventories
Securing government houses and open fields	2	Security of government houses, stop illegal/un-procedural	All houses within the county	Boundary determination,

		allocation of government land and houses		beacon establishment and Fencing
Renovation and modernization of existing stock of government houses within the county	1	Provision of decent housing to civil Servants, state corporation staff and disciplined Forces	All houses within the county	All renovation and upgrading works including painting, re-roofing, fittings and fixture works
New housing development projects Major towns: Muranga ,Kangema, Kenol, Gatanga, Maragua, kangare, Kiria-ini	1	Increase the housing stock within the county	Twelve (12) new units annually to achieve sixty (60) units in five (5) years	New development and construction of houses
Development and upgrading housing services (Entire county)	2	Functional, healthy, aesthetically pleasant and environmentally friendly housing provision	All government houses connected to sewer line where sewerage is available	Extension and upgrade of the existing sewerage system; Improvement of sewerage connectivity to government houses

(iii) Flagship Projects

The matrix below shows the flagship projects in the EPWH sector and their implementation status.

Project Name & Location	Constituency	Objectives	Targets	Description of Activities
Water catchment management initiative in Kimakia; Gatanga constituency.	County wide	Rehabilitating Aberdares water tower.	40 Ha.	Planting of trees; Maintenance of the forest cover.
Securing government houses and open fields	Entire county	Security of government houses, stop illegal/un-procedural allocation of government land and houses	All government houses within the county	Boundary determination, beacon establishment and Fencing
Renovation and modernization of existing stock of government houses within the county;	Entire county	Provision of decent housing to civil Servants, state corporation staff and disciplined Forces	All government houses within the county	All renovation and upgrading works including painting, re-roofing, fittings and fixture works

Cleaning up, harmonization and updating of the government houses inventory within the entire county	Entire county	Developing a comprehensive and up to date housing inventory for the county	All government houses within the county	Harmonization of the existing housing inventories
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Persons with disabilities

Project Name Location/Division	Priority Ranking	Objectives	Targets	Description Of Activities
To be trained on carbon credit management				
To be provided with seedling for tree planting for sale				
Training on seed and seedbed management				
To introduce energy saving store and solar energy in every homestead with persons with disabilities				
To be provided with seedlings for food production				
To be trained on how to harvest, store and efficiently use water for production (e.g. domestic use and irrigation)				

CIDP Nairobi Stakeholder Session

Kangema Sub-County

Project Name	Location of project	Rank / Priority	Objectives	Targets	Description of Activities
General Economic, Commercial and Labour Affairs					
Improved Security					
Development of tourism projects.					
Education Sector					
Streamline procedures in schools.					Stop politics in the education sector.
Introduce capable professions to managing funds and schools.					
To expedite the enrolment of the ECD teachers.			To increase the number of qualified ECD teachers.		
Roll out school feeding programs in all schools.					
Proper vetting of school committee members and board of directors.					
To introduce proper performance contracting requirements for teachers and other related staff in the schools.			To scrap the rule that a PTA member must be a parent in the school.		
Motivation to Kangema teachers.			To raise the standard of education in Kangema	All schools in Kangema Sub-county	To do capacity building among teaching staff
Build a library in every school in Kangema.			To enhance reading skills and empowering the students in knowledge.		

Nature academically gifted children, equip, support and retain them			To reduce the rate of human capital flights and brain drain from Murang'a county		
Proper guidance and counselling in our schools to address teachers, parents and students.					
Energy, Infrastructure and ICT					
ICT development in the sub-county.					
Electricity cost of connection to be lowered in rural electrification.					
Maintenance of existing roads.					
Repair the following roads: 1. Kanyenyaini - Kiruri Road 2. St Mary-Nyakahura-Iyego 3. Tuthu-Kirui Road 4. Kanyenyaini-Tuthu Road 5. Nyakahura-Githatu 6. Karugia-Karirau-Kangema Junction 7. Kanyenyaini-Gatunguru/Kihoya/Rwathia 8. Murang'a-Kangema-Kanyenyaini 9. Kahuti-Githig'a-Kanyenyaini					
Improve sewer line and drainage in Kangema.					
Water piping development and connection in: Wanjere-Kihoya-Kiawambogo-Rwathia-Kenyanjeru					
Lighting in centres for security purposes					
Health Sector					
Equipping and expanding the dispensary and other dispensaries. To increase the number of staff, medicine and					

equipments					
To train the youths to be community health workers (CHWs).					
Introduce Kenya Medical Training Center in Kangema and Muriranja health centres.					
Provide public awareness on chronic diseases e.g Diabetes, High Blood Pressure and Arthritis.					
Agriculture and Rural Development					
Revival of coffee industry					
Reduced fertiliser costs					
Incentives in coffee industry					
Marketing of coffee at a certain price					
Value addition & sale of agricultural products, rabbits, chicken and avocados					
Centralised markets in the area					
Promote irrigation					
Co-operative societies to be well managed to ensure effective management of coffee and other cash crops.					

Kiharu Sub-County

Project Name	Location of project	Rank/Priority	Objectives	Targets	Description of Activities
Agriculture and Rural Development					
Rabbits rearing				Youth	
Marketing of coffee			<ul style="list-style-type: none"> To fetch better prices Payment on time 		
Training of farming skills					
Marketing and value addition			<ul style="list-style-type: none"> Enhance farming 	Farmers	<ul style="list-style-type: none"> Training to be provided by experts

Project Name	Location of project	Rank/Priority	Objectives	Targets	Description of Activities
					<ul style="list-style-type: none"> • Store mangoes and prepare juice
Poultry farming					<ul style="list-style-type: none"> • Marketing • Create a poultry market in Murang'a • Educate farmers
General Economic, Commercial and Labour Affairs					
Youth groups				Youth	
Empowerment programs					
Empower community					
Change people's attitude			<ul style="list-style-type: none"> • Start with youth • Let people be organized 		<ul style="list-style-type: none"> • Church gathering barazas • Motivational talks
Loan fund				Youth	
Education Sector					
School feeding					
Motivational talks					<ul style="list-style-type: none"> • Employ professionals • Provide support to those people
Capacity building on change of attitude				Youth Community	<ul style="list-style-type: none"> • Training
Mentorship program					<ul style="list-style-type: none"> • Peer to Peer mentorship
Entrepreneurship Training				Schools Youth Groups	
Early Childhood development					<ul style="list-style-type: none"> • Nutrition • Teacher Training

Project Name	Location of project	Rank/Priority	Objectives	Targets	Description of Activities
					<ul style="list-style-type: none"> • Good Leadership • Good School Management
Promote life skills			Enhance vocational training	Primary Schools	<ul style="list-style-type: none"> • Internal Exams
Talk to teachers/parents					
Parent's contribution					<ul style="list-style-type: none"> • Mentor children positively
Grow small schools to be national schools					
Health Sector					
Conduct health inspections in schools			Reduce malnutrition		Health
Social Protection, Culture and Recreation Sector					
Harness Talent				Youth	Sponsor talent search sports
Identify Champions					

Mathioya Sub-County

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
Agriculture and Rural Development					
Milk processing plant including packaging	Anywhere in the county	1	To cool, process package and market in bulk.		One factory which is well managed.
Establish demonstration farms for maize farming with extension officer	Every ward	1	To maximize maize farming in the small acreage farms.		Every ward to have a demonstration farm for providing awareness for maximizing maize and other agricultural products.
Establish a county flour milling factory to brand Murang'a flour	Anywhere in the county	2	To buy maize from farmers, mill, package and sell as a county product.		To maximize farming create employment and increase household incomes
Establish a pulp processing factory			•		• To be owned by Murang'a farmers
Energy, Infrastructure and ICT					
To improve all roads in Mathioya	All wards	1	To facilitate smooth movement of people, goods and other resources.	All feeder roads	Graveling and grading
Education Sector					
Address and motivate parents on the need to educate their children and to invest	County wide schools	1	Parents in Murang'a count to take education seriously		<ul style="list-style-type: none"> • Create forums for parents country wide • Motivational speakers in churches and schools • Disseminate 22050 toll fee no.

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
Publicise the bursaries awarded					•
School teachers to establish diaries on children homework's which can be signed by parents everyday					•
County government to introduce boarding primary schools from standard 6.			<ul style="list-style-type: none"> • To improve overall goods • To increase enrolment • Eventually to reduce alcoholism 		
Establish libraries in all sub-counties					
Model polytechnic in every sub-county					•
Health Sector					
Upgrade sub-county hospitals to decongest Murang'a Hospital.	Every Sub-County	1	<ul style="list-style-type: none"> • To equip sub-county hospitals to be able to manage non-communicable diseases • Stock non-consumables in all hospitals 	<ul style="list-style-type: none"> • Nyakianga • Nyangiti • Kiriaini 	Upgrade all dispensaries to health centers
Social Protection, Culture and Recreation Sector					
Football/Volley ball clubs	All wards	1	<ul style="list-style-type: none"> • To engage youth • To stop alcoholism 	Youth all over the county	Formation of competitive clubs

Gatanga Sub-County

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
Agriculture and Rural Development					
Upgrading of: <ol style="list-style-type: none"> 1. Dairy industry 2. Poultry 3. Piggery 4. Fishery 5. Bee Keeping 6. Coffee and Tea Industry 					
Subsidize fertilizer for coffee, tea and other farming products.					
Free seedlings and value addition for: <ol style="list-style-type: none"> 1. Fruits 2. Mangoes 3. Oranges 4. Avocado 5. Macadamia 6. Banana 					
Establishment of irrigation project			•		•
Energy, Infrastructure and ICT					
C67 Gatura Njambeni connecting to Nyandarua					

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
From Kakuzi delmonte to lthanga to Makuyu					
Access roads to factory and cash crop areas					
Criss-crossing roads to sub- counties (Ridges) with Murang'a and to neighbouring counties.					
Upgrading of roads 10km road per ward in every 5 years.					
Every village an ICT Center 5 computers and a photocopier.					
Each ward to have school with a computer lab					
To do a survey of low network cover and upgrade it.					
All public schools health centres to have electricity					
Solar energy at lthanga					
Education Sector					
Change of attitude of parents to appreciate education					•
Team effort teachers, parents and pupils by: <ol style="list-style-type: none"> 1. Been motivated 2. Rotation of teachers 3. Maintaining discipline 4. Performance Contracting 5. Education Forum 					•

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
6. Mentorship Program					
Youth Programmes to be conducted during the holidays e.g exchange programmes for students					•
Establish a forum where the public and private schools are able to collaborate and share ideas of teaching e.g providing similar exams across the whole county.			•		
Establish projects for equip and supporting: 1. Youth Polytechnics 2. Sponsor the needy and bright students 3. The disabled and special children					
Health Sector					
Stocking of drugs, equipping of machinery and capacity building in hospitals.			•	•	
Sensitization on health issues to the public e.g Polio, HIV to discourage adverse traditional beliefs.			•	•	
Establish 24hr dispensaries in: a) Kirwara b) Mugumoini c) Ithangarari			•	•	

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
d) Gatura					
Public Administration and International Relations (PAIR) Sector					
All devolved functions to go to the village level: a. Agriculture b. Administrative c. Early Child Development d. Infrastructure e. Cooperatives f. A secretariat to be organizing a public participation on a quarterly basis			•		
Social Protection, Culture and Recreational Sector					
Entrepreneurship development programs			•		
Youth drugs rehabilitation centre in every ward			•		
Youth training centers for recreational activities.			•		

Kangari Sub-County

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
Agriculture and Rural Development					
Conduct a program for: <ol style="list-style-type: none"> 1. Soil Analysis 2. Organic Fertilizer subsidy program 3. Goat breeding Center 					
Civic education on new farming methods					
Promotion of Apiculture					
Modernize coffee & tea varieties to boost production			•		•
Clear certification program for Murang'a county cash crops			•		•
Energy, Infrastructure and ICT					
Jua kali sector revitalization			•		•
Energy, Infrastructure and ICT					
Establish power generation for tea factories and other agro-processing units					
Establish free WIFI hotspots in each ward					
Distribute and compact murrum in all access roads in all wards					
Expand rural electrification					
Set up boosters for telecommunication					
Install solar powered street lights along all roads.					
Establish ICT access/learning centers in each ward.					

Education Sector					
Upgrade Kangari polytechnic into a technical institute to diplomas.					•
Establish reading centres/libraries in each ward.					•
Governance, Justice, Law and Order Sector					
Increase the network of police post.			•		
Increase police patrol surveillance vehicles in each police station.					
Environment Protection, Water and Housing Sector					
Agroforestry-promotion of favourable woodlots within farms.					
Replace inorganic fertiliser with organic fertilizer and claim carbon credits.					
Promote biogas systems and solar energy/green energy					

Kandara Sub-County

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
Agriculture Sector					
Water			<ul style="list-style-type: none"> Improving and safeguarding water catchment areas 		
Agricultural officer			<ul style="list-style-type: none"> To train the farmers 		
Coffee farming			<ul style="list-style-type: none"> To get officers to train farmers in the usage of manure and other agro chemicals 		
Marketing of our produce			<ul style="list-style-type: none"> Try to do away with middle people and brokers. Murang'a county government intervention in the marketing of farmers produce 		
Soil erosion and conservation			<ul style="list-style-type: none"> 		
Fertilizers prices			<ul style="list-style-type: none"> Subsidising the prices of fertilizer 		
Project implementation e.g. buying milk coolers			<ul style="list-style-type: none"> First understand the productivity of cattle 		
			<ul style="list-style-type: none"> Water harvesting plant in every sub county 		
Promote youth in agriculture			<ul style="list-style-type: none"> Attract youth to farming 		

Investors			<ul style="list-style-type: none"> • Attract investors to train the youth and also help them start projects 		
General Economics Commercial and labour affairs					
Market centres	Gacharage		<ul style="list-style-type: none"> • Come up with a strategic point for traders • Identify the upcoming market area • Upgrading of the market • Empowering of our people through training • Market center around Kenol – Kabati (50 acre piece of land) 		
	Kandara		<ul style="list-style-type: none"> • Upgrading the existing markets • Modernising the markets • Expansion site • Meeting venue • Complete the developed market stalls 		
Banking Sector	Kandara		<ul style="list-style-type: none"> • Need a bank in kandara – murang'a county government need to invite banks 		
Security			<ul style="list-style-type: none"> • MCG need to enhance security for better general economic 		
Energy, Infrastructure and ICT					

Energy			<ul style="list-style-type: none"> • Start energy saving project like biogas • Encourage tree planting • MCG have connectivity from one area to another • Encourage afforestation 		
Infrastructure			<ul style="list-style-type: none"> • Maintenance of road • Expansion of roads 		
Education					
Library			<ul style="list-style-type: none"> • There is a need for one library at Kenol or Kandara 		
			<ul style="list-style-type: none"> • Come up with education forum to educate the community 		
			<ul style="list-style-type: none"> • Overwhole of the teaching staff 		
			<ul style="list-style-type: none"> • Introduction of performance contracts in the schools 		
Secondary schools			<ul style="list-style-type: none"> • Construction of 2 secondary schools 		
Health Sector					
Hospital	Kandara		<ul style="list-style-type: none"> • Upgrade Kandara district hospital with the facilities 		
Health Center Dispensary	Kiranga		<ul style="list-style-type: none"> • Man power in the dispensary 		

	Kaguthi		<ul style="list-style-type: none"> • Community Health works that is creating awareness in our schools 		
Ambulance			<ul style="list-style-type: none"> • Need an ambulance in Kandara 		
Public administration and international relations (PAIR) sector					
Traders			<ul style="list-style-type: none"> • Coming up with a way of collecting revenue and being given a certificate 		
Government Services			<ul style="list-style-type: none"> • Have a government office in every ward to serve the people 		
E-Government			<ul style="list-style-type: none"> • Upload basic certificates like birth certificates, application of licences etc. 		
Governance, Justice, Law and Order sector					
Security			<ul style="list-style-type: none"> • Re-engineering the police force • Increasing police posts (one in every ward) • Promote community policing • Awareness of the Government initiatives like Nyumba Kumi 		
			<ul style="list-style-type: none"> • Accountability and traceability 		

Alcohol and drug abuse	Muruka Kiraga Nguthuru		<ul style="list-style-type: none"> • Invite senior people who have passion in fighting alcohol, drug, and substance abuse such as Nacada chairman Mr Mututho • A rehabilitation center 		
Social Protection, Culture and Recreation Sector					
Sports	Kandara		<ul style="list-style-type: none"> • MCG introduce and rehabilitation the existing recreation Centres 		
Environment Protection, Water and Housing					
Rivers			<ul style="list-style-type: none"> • Restoring the river beds • Re-afforestation comes up with a tree planting day • Upgrading Marketing areas 		

Maragwa Sub-County

Project Name	Location of project	Rank/ Priority	Objectives	Targets	Description of Activities
Agriculture Sector					
Establish mango processing plant	Maragwa and Kamahuha		<ul style="list-style-type: none"> • To add value and storage of mangoes 	Farmers in dry places of Maragwa	Identify the production Identify the market Educate the farmers
Establish a power plant to pump water to kawehama hills for irrigation	Igiraro/Iganjo ndorome irrigation		<ul style="list-style-type: none"> • Improve food security and water supply 	Iganya sub location	Feasibility studies for local power plant at iganya Design of power plant

					and water distribution style
General Economics Commercial and labour affairs					
BPO Centres	Murang'a south (Kenol)		<ul style="list-style-type: none"> • BPO center to create employment 	June 2015	Tendering Construction Computers
Energy, Infrastructure and ICT					
Establishment of ICT Centres in all urban Centres	<ul style="list-style-type: none"> • Kamahuha • Sabasaba • Makuyu 		<ul style="list-style-type: none"> • Educate the youth • Access the market • Job opportunity to the residents 	youth	Hiring rooms Provision of computers
Floodlight	Makuyu town		<ul style="list-style-type: none"> • Install a high voltage floodlight in Makuyu town 		
Drilling of boreholes in all schools and Hospitals/ Health Centres	Schools and Health Centres	1	<ul style="list-style-type: none"> • Provide safe drinking water for pupils/ students and patients • Serve the surrounding community with drinking water and for domestic use • Reduce the diseases and promote cleanliness 	Local Community	Assess availability of convenient space and procure the necessary machineries Experts in plumbing
Ititu –Gitumbi-Ikindu Water project	Gakoigo ward		<ul style="list-style-type: none"> • To be efficient • To deliver water for irrigation 	Aug 2014	
Establish water kiosks/points public toilets	Kamahuha/Sabasaba	1	<ul style="list-style-type: none"> • To improve access of water and sanitation services in the region 	Urban area	Dill boreholes and shallow wells Construction of toilets blocks
Road – Makuyu to Kamahuha	Makuyu Ward		<ul style="list-style-type: none"> • Graveling the road 	June 2014	Graveling Murram
Road – Igikiro - Maragwa	Kamahuha	1	<ul style="list-style-type: none"> • Improve movement of people 	Kamahuha	Design Appointment of a contractor

Education Sector					
Electrification of Gitumbi Nursery School	Gakoigo Ward	1	<ul style="list-style-type: none"> To light up by Aug. 2014 	Aug 2014	Tendering
Health Sector					
Ichagaki Health Center	Ichagaki	1	<ul style="list-style-type: none"> To bring health services closer to the public 	All residents	Conversion from market to health
Assessment and Review of Maragwa Health Sector	Maragwa	1	<ul style="list-style-type: none"> Efficiency of clinical and management health services Design improvement based on the assessment 		<ul style="list-style-type: none"> Identify the equipment available qualification of the staff Review the referral system Information on - preventive medicine Ambulance services Accidents and emergency centres

ANNEX 1 BUDGET

On- going projects (under construction)

On- going projects are those being constructed and are in various stages of implementation. There are 14 in number. Here below are the on- going projects.

Sub-County	Scheme	Households	Scheme potential (Ha)	Exploited potential (Ha)	River abstracted	Water abstracted (L/sec)	Project Cost (M)	Money allocated so far (mksh)	Remarks
Mathioya	Gikindu-Kandabibi	450	100	0	Thuruthuru	40	22	5	Needs financier
Kangema	Nyanjigi	1000	200	0	Mathioya south	149	200	80	Financed by NIB
kiharu	Gikindu	1200	400	30	Maragwa	70	40	15	Needs financier
	Gacaru	400	80	8	Maragwa	32	7.55	5.55	Needs financier
	Gaitega	300	50	0	Kayahwe	30	30	0.5	Needs financier
	Thathawa	350	400	20	sagana	300	50	8.5	Needs financier
	Kimathi/Githuri	400	400	0	Rutune	188	100	4.8	Financed by governor
Kahuro	Mirichu-Murika	2000	400	0	Maragua	187	300	110	Financed by NIB
Maragua	Kamuiru	150	36	0	Sabasaba	27	15	0.4	Needs

									financier
kigumo	iharu	83	30	0	Kanyiriri	20	10	5	Needs financier
Kandara	Gatundu	350	70	16	kiriciungu	20	22.5	8	Needs financier
	Bobote	300	30	0	bobote	10	8	0.5	Needs financier
	Kibarabari	40	40	0	Kibarabari	30	16	0.5	Needs financier
	Rucu	100	25	0	Rucu	20	15	0.5	Needs financier
Gatanga	Riakomo	240	60	0	Thika	36	14.5	3	Needs financier
Totals		7363	2321	74		1159	850.6	247.3	

Proposed projects

These projects fall under 3 categories:

Projects that are fully designed and just awaiting implementation. These are 3 in number.

Projects that have undergone preliminary studies and are waiting to be designed. These are 4 in number.

Projects that have been identified. These are 21 in number.

Here below are the proposed projects. They all need financier.

Sub-County	Scheme	Households	Scheme potential (Ha)	River abstracted	Proposed abstraction (L/sec)	Project Cost (M)	Remarks
Mathioya	Witeithie	50	10	Ndiara	10	10	Category 2
	Gakoe	1200	300	Mathioya South	149	250	Category 3

	Kiawanjumbi	150	60	Gondo	20	15	Category 2
Kangema	Kanyenyaini	450	100	Mathioya South	70	100	Category 3
	Kaiiii	250	120	Mathioya South	35	72	Category 3
	Gacharaigu	120	60	Mukungai	21	45	Category 2
	Mithanga Gachogi	500	50	Gondo	35	70	Category 3
kiharu	Kiangage	500	300	Mathioya South	149	100	Category 3
	Mirira	500	100	Maragua	45	100	Category 3
	Kiangoci-Mucunguca	1000	200	Maragua	149	100	Category 3
	Githuri	500	300	Rutune	225	100	Financed by governor
	Mukurwe wa Nyagathanga	1003	200	Mathioya North	149	210	Category1.
	Mukurwe Mweru	1000	200	Thuruthuru	149	200	Category 3
Kahuro	Mbagiki	1000	100	Kayahwe	40	30	Category 3
	Gakima	1000	70	Maragwa	35	100	Category 3
	Gitiri	70	10	Muriuriu	7	5	Category 3
Maragwa	Samar	150	60	Githanja	42	10	Category 3
Kigumo	Mukigia	100	20	Irati	15	8	Category 3
	Kamukabi-Gatumbi-	120	100	Gacoco	60	40	Category 3

	Gacoco						
	Kamiraba	50	20	Kamiraba	6	6	Category 3
Kandara	Marigu	128	26	Makindi	14	15	Category 2
	Mugiki	250	25	Thika	20	16	Category 3
	Mucika	400	45	Bobote	34	15.6	Category 3
	Ajibika	1000	50	Rucu	38	50	Financed by governor
	Kioneki	1000	100	Irati	75	200	Category 3
Gatanga	Ndakaini Wanduhi	350	52	Kiama	40	25	Category 1
	Gathara	120	26	Gathwariga	20	15	Category 3
	Iria Kiriga	120	24	Iria	20	5	Category 1
Totals		13081	2728		1672	1912.6	

Summary of projects table

Project status	Total Ha	Total households	Total cost m Kshs.	Total money allocated to date	Total no. of schemes
Completed	418	1174	73.9	73.9	11
On- going	2321	7263	850.6	247.5	15
Proposed	2728	13081	1912.6	0	28
Total	5467	21518	2837.1	321.4	54

Finances/Budget (summary)

Item	Cost (Kshs)
Feasibility studies	100M
Proposed projects	1912.6M
On going Projects	850.6 M
Mega dams	12 B
total	15 Billion

IRRIGATION PROJECTS IN MURANG'A COUNTY

BUDGET SUMMARY; ONGOING PROJECTS

Note that the cost of each project has been broken into three main parts; feasibility studies, capital costs and administrative costs. For the ongoing projects money marked for studies will do the completion of studies and appraisals of the existing designs since they are deficient. Administrative costs include supervision, contingencies, transport, and some taxes and could also cover price fluctuations. *Whatever remains in contingencies is plowed back into civil works.*

Project name	District	Total cost million Kshs.	Feasibility studies / design appraisal (million Kshs.)	Capital costs (civil works) million Kshs.	Administration million Kshs.
Kimathi	Kiharu	100	2	80	18
Thathawa	Kiharu	50	1	40	9
Gikindu	Kiharu	180	3.6	135	41.4
Gacharu	Kiharu	3	0.5	0.6	1.9
Gaitega	Kiharu	50	1	37.5	11.5
Nyanjigi	Kangema	210	4.2	157.5	48.3

Iharu	Kigumo	5	0.5	3.75	0.75
Gatundu	Kandara	25	0.5	18.75	5.75
Boboti	Kandara	8	0.5	6	1.5
Ruchu	Kandara	6	0.5	4.5	1
Kibarabari	Kandara	7	0.5	5.25	1.25
Gikindu Kandabibi	Mathioya	17	0.34	12.75	3.91
Mirichu Murika	Kahuro	300	6	225	69
Riakomo	Gatanga	11	0.22	8.25	2.53
Kamuiru	M. South	19	0.38	14.25	4.37
Totals		991	21.74	741.6	227.66

BUDGET SUMMARY: PROPOSED PROJECT

No	Project name	District	Total cost million Kshs.	Feasibility studies	Capital costs (civil works)	Administration
1	Kanyenyaini	Kangema	100	2	75	23

2	Gacharaigu	Kangema	45	0.9	33.75	10.35
3	Kaihi	Kangema	50	1	37.5	11.5
4	Mithanga/ Gachogi	Kangema	70	1.4	52.5	16.1
5	Mukurwe wa Nyagathanga	Kiharu	200	4	150	46
6	Mukurwe Mweru	Kiharu	200	4	150	46
7	Mirira	Kiharu	50	1	37.5	11.5
8	Kiangochi	Kiharu	200	4	150	46
9	Kiangage	Kiharu	200	4	150	46
10	Kamiraba	Kigumo	6	0.5	4.5	1
11	Mukigia	Kigumo	8	0.5	6	1.5
12	Kamukabi/Gatum bi/ Gachocho	Kigumo	40	0.8	30	9.2
13	Mucika	Kandara	15.6	0.312	11.7	3.588
14	Mugiki	Kandara	16	0.5	12	3.5
15	Ajibika	Kandara	50	1	37.5	11.5
16	Kioneki	Kandara	200	4	150	46
17	Gakoe	Mathioya	250	5	187.5	57.5

18	Kiawanjumbi	Mathioya	15	0.3	11.25	3.45
19	Witeithie	Mathioya	9	1.8	6.75	2.07
20	Mbagiki	Kahuro	30	0.6	22.5	6.9
21	Gitiri	Kahuro	5	0.5	3.75	0.75
22	Gakima	Kahuro	100	2	75	23
23	Iria Kiriga	Gatanga	5	0.1	3.75	1.15
24	Gathwariga	Gatanga	15	0.3	11.25	3.45
25	Ndaka-ini Wanduhi	Gatanga	26	0.5	19.5	6
26	Kambiti area	M. South	500	10	375	115
27	Ikundu/Ititu	M.South	10	0.2	7.5	2.3
	Totals		1905.6	41.012	1429.23	437.008

Foot notes: Administration carries contingencies (unforeseen costs), actual administration, price fluctuations. For ongoing projects cost entails design appraisals.

for proposed projects cost entails full studies.

BUDGET SUMMARY: ADDITIONAL COSTS

Project name	Sub County	Total cost million Kshs.	Feasibility studies million Kshs.	Capital costs (civil works) million Kshs.	Administrat-ion (million Kshs.)	Remarks
Excavation of Dam at Kenyatta ATC	Kigumo	7	0	6.2	0.8	
Beneficiaries'	All Sub	10	0.9	8	1.1	Mobilization,

training	Counties					training
Feasibility Studies	Muranga South (Kambiti, Kakuzi & Ithanga)	4	3	0.2	0.8	
of 18 New Technical staff	All Sub Counties	9.7	0	0	0	salaries
Sub Total		30.7				

The projects have been put in sets as per criteria below (annex). Other factors used for prioritizing include:

21. The speed at which the fruits will be realized.

0.5 – 1 yr (3); 1 – 2yrs (2); 2 - 5yrs (1)

22. The magnitude of benefits

(size of scheme: hectarage between 100 and over (3); between 50 – 100 (2); between 5 – 50 (1)

23. The magnitude of the facelift the project gives to the county or Sub County bearing in mind

that irrigation is new to the county and that the county needs to be at par or better than

Neighboring counties.

(Next to highway (3); next to main road (2); near to a town centre (1);

24. How much money has been plowed into the project

(5 – 10 m (3); 3 -5m (2); 0.5-3 m (1); 0-0.5m (0)

Remark: Each sub county has to benefit

1st Set

1. Kimathi 100m

2. Kanyenyaini 100m

3. Gikindu Kandabibi 17m

4. Mbagiki 30m

5. Iharu	5m
6. Kamuiru	8m
7. Mugiki	16
8. Gatundu/Marigu	25m
9. Mucika	16m
10. Riakomo	<u>11m</u>
Total	328m

2nd Set

1. Thathawa	50m
2. Gacaraigu	45m
3. Kamiraba	6m
4. Witeithie	9m
5. Gitiri	5m
6. Boboti	8m
7. Iria Kiriga	5m
8. Mirira	50m
9. Gikindu	<u>180m</u>
Total	358m

3rd Set

1. Gakima	25m
2. Kaihi	50m
3. Mukigia	8m
4. Kiawanjumbi	15m
5. Ikundu	10m

6. Ruchu	6m
7. Mukurwe wa Nyagathanga	200m
8. Ndakaini Wanduhi	<u>26m</u>
Total	340m

4th Set

1. Mukurwe Mweru	200m
2. Mithanga Gacogi	70m
3. Kamukabi/Gatumbi/Gachocho	40m
4. Gathwariga	15m
5. Abijika	50m
6. Samar	150m
7. Kiangochi	300m
8. Kiangage	200m
9. Gacharu	3m
10. Gaitega	<u>50m</u>
Total	1,078m

5th Set	30,700,000
Long term projects (Mega dams)	12Billion
Grand Total	- 14.0527 Billion

Some projects like Gakoe in Mathioya District and Kioneki in Kandara District have been earmarked for NIB. (Sh. 250m +sh. 200m = sh. 450m)

7.9.6 Strategies to Mainstream Cross-cutting Issues

The county will incorporate HIV/AIDs issues in the day to day activities. The county will engage available labour force in environmental conservation to reduce the unemployment levels in the county. To alleviate poverty, the sector will implement micro-irrigation projects to boost food production and create surplus for sale within and outside the county to generate additional income. To mitigate on disasters especially during rainy season, the sector will construct dams and water pans to harvest rain water for irrigation and livestock use. The sector will also ensure gender balance in the management of water resources.

In mainstreaming of cross cutting issues, the sectors will collaborate with education sector to capacity build women and youth engaged in the sector related activities and who are being empowered financially through the women and youth enterprise funds. The sector will also promote access of women and youth to leadership and decision making process by ensuring that they hold at least a third of the leadership roles of groups/committees within the sector activities and projects.

The sector will also focus on technologies and enterprises that are eco-friendly. This will include sensitizing farmers on the dangers of planting tree species which are not environmentally friendly, protection of water catchment areas and prevention of pollution among others. Water users association will also be trained and sensitized on the need to conserve and protect the environment and also on how to participate in other income generating activities and in promotion of environmentally friendly activities in the county

CHAPTER EIGHT:

8 Implementation, Monitoring and Evaluation

8.1 Introduction

This chapter presents the monitoring and evaluation framework that will be used at the National and County level to track progress on implementation of projects and programmes. An indicative matrix detailing projects and programmes then costing implementing agencies as well as monitoring tools and indicators which could be selected for the County, based on projects and programmes identified in chapter three, is given as Appendix II.

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 the respective county.

An indicative Monitoring and Evaluation impact /performance indicators is presented in Appendix III. Also presented as Appendix IV is the status of MDGs at the County level.

8.1 Agriculture and Rural Development (ARD)

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
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Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Construct a prototype market in each constituency	County wide		2013 - 2017	Market completion percentage	Tender documents Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	Proposed
Water Harvesting	County wide		2013 - 2017	No of cathments	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	Proposed
Soil and Water Conservation	County wide		2013 - 2017	No of farms conserved	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
Construction of District Agriculture Office	County wide		2013 - 2017	Office completion Percentage	Tender documents Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
<i>Njaa Marufuku Kenya.</i>	County wide		2013 - 2017	Loans/G grants issued	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Promotion of Private Sector Development in Agriculture (PSDA)	County wide		2013 - 2017	Extension Services Provided	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
National Accelerated Agricultural Inputs Access Programme (NAAIAP)	County wide		2013 - 2017	Extension Services Provided	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Smallholder Horticulture Empowerment & Promotion Unit Project (SHEP UP)	Kandara		2013 - 2017	Extension Services Provided	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Farm produce grading sheds	County wide		2013 - 2017	Shed Completion Percentage	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	On- going
Cassava grinding unit	Maragwa		2013 - 2017	Unit Completion Percentage	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Construction of green houses	County wide		2013 - 2017	Green House Completion Percentage	Tender documents Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	On- going
Construction of green house and kitchen garden at Murirajas level 4 hospital, Kiharu constituency	Kiharu		2013 - 2017	Green House Completion Percentage	Tender documents Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
Livestock Development Project	County wide		2013 - 2017	Extension Services Provided	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Equipping of 2 milk cooling plants Makuyu and Maragwa ridge	Maragwa		2013 - 2017	Equipment Installed	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Revive 5 cattle dips in Maragwa, Kigumo, Kiharu, Gatanga and lower parts of Kandara;	Maragwa, Kigumo, Kiharu, Gatanga and Kandara;		2013 - 2017	No of Cattle Dips Completion rate	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	
Tsetse and Trypanosomiasis control	Maragwa		2013 - 2017	Extension Services Provided	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Hides and Skins improvement	County wide		2013 - 2017	Quality of hides and skins	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	On- going
Veterinary clinical and extension services	(County wide)		2013 - 2017	quality animal health services	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Equipping veterinary laboratory	Maragwa		2013 - 2017	1 laboratory fully equipped	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	Proposed

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Refurbishment of Veterinary Officer's	Kiharu		2013 - 2017	Office Completion Percentage	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
Annual Vaccination Campaigns	County wide		2013 - 2017	Percentage coverage	Vaccination tally sheets and reports	CGM GoK Dev Partners	County Government Development partners	On going
Fish Farming	County Wide		2013 - 2017	Extension Services Provided	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	On- going
Fish Demonstration Ponds to increase fingerling production of 200,000 per season	County wide		2013 - 2017	No. of Functional Ponds	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Farmers' Training and capacity building	County wide	120M	2013 - 2017	No. of farmers trained	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	Proposed

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Pond construction	County wide	100M	2013 - 2017	No. of ponds	Tender documents Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
Stocking of ponds	County wide	28M	2013 - 2017		Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
Procurement of fish feed	County wide	90M	2013 - 2017		Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	Proposed
Procurement of feed pelletizers	County wide	16M	2013 - 2017		Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	Proposed
Rehabilitate Departmental fish farm	County Fisheries H/Z	12M	2013 - 2017		Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Renovate/Construct field offices	Kandara Kangema Kigumo Kenol	5.2M	2013 - 2017		Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
Restocking of lakes and rivers	County wide	16M	2013 - 2017		Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	Proposed
Monitoring control and surveillance (MCS)	County wide	10M	2013 - 2017		Operational reports M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	Proposed
Procurement of pond liners	County wide	100M	2013 - 2017		Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
Forest protection - Wanjerere Forest Station	Kangema		2013 - 2017	Community Participation, Enforcement	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	On- going

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Plantation Development - establish one tree nursery in every forest station and forest offices.	Mathiyo ya & Kahuro		2013 - 2017	No. of Tree Nurseries Established	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Registration of New Societies County wide - promote new cooperatives through registration.	County wide		2013 - 2017	No. of Societies Registered	Operational reports M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Set up milk producers-, motorcycle, boda boda, Horticulture, Women, Youth cooperatives	County wide		2013 - 2017	No. of Cooperatives set up	Operational reports M & E reports	CGM GoK Dev Partners	County Government Development partners	On- going
Revive 21 dormant cooperative societies	County wide		2013 - 2017	No. of cooperatives Revived	Operational reports M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
AI dairy breeding	County wide		2013 - 2017	No. of Successful Inseminations	Operational reports M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Animal Health Programme	County wide		2013 - 2017	Services demanded and provided	Operational reports M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Breeding Farms	County wide		2013 - 2017	No. of Farms	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government GoK Development partners	On- going
Animal feeds program	County wide		2013 - 2017	Extension Services Provided	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	On- going
Set up dairy breeding programme cow ownership	County wide		2013 - 2017	Extension Services Provided	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	On- going

Project Name	Constituency	Cost of Project	Time frame	Monitoring indicators	Monitoring tools	Implementing agency	Source of funds	Implementation status
Establish Hatchery (2 per county)	County wide		2013 - 2017	Hatchery Completion Percentage	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
1 Coffee processing plant			2013 - 2017	Plant Completion Percentage	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed
Milk Processing plant	County wide		2013 - 2017	Completion Percentage	Site visit reports, M & E reports	CGM GoK Dev Partners	County Government Development partners	Proposed

8.2 Energy, Infrastructure and ICT (EII)

i) Energy

Project Name	Constituency	Estimated Cost Kshs.	Time Frame	Monitoring Indicators	Monitoring Tools	Implementing Agency	Sources of Funds	Implementation Status
Construction of a biogas plant		200M	2013-2017	Biogas plants constructed	Designs MoUs	County Govt Gok	PPP	Proposed
Develop and implement a rural electrification			2013-2017	Plan in place	Master plan	County Govt Gok	County Govt Gok	Proposed

Project Name	Constituency	Estimated Cost Kshs.	Time Frame	Monitoring Indicators	Monitoring Tools	Implementing Agency	Sources of Funds	Implementation Status
master plan								
Construct a biogas plant			2013-2017	Plant Completion Percentage	Site visit reports, M & E reports	County Govt Gok	County Govt Gok	Proposed
Construction of 5Mw power plant			2013-2017	Completion Percentage	Site visit reports, M & E reports	County Govt Gok	County Govt Gok	Proposed
Installation of power to all institutions in the County			2013-2017	Plant Completion Percentage	Site visit reports, M & E reports	County Govt Gok	County Govt Gok	Proposed
Alternative energy sources for house holds	County wide		2013-2017	Completion Percentage	Site visit reports, M & E reports	County Govt Gok	County Govt Gok	Proposed
Provision and maintenance of new and existing floodlights	Major towns		2013-2017	Plant Completion Percentage	Site visit reports, M & E reports	County Govt Gok	County Govt Gok	Proposed
Review and restructure water management systems	County wide		2013-2017	Completion Percentage	Site visit reports, M & E reports	County Govt Gok	County Govt Gok	Proposed

Project Name	Constituency	Estimated Cost Kshs.	Time Frame	Monitoring Indicators	Monitoring Tools	Implementing Agency	Sources of Funds	Implementation Status
Construction of a 5MW solar power plant		500M	2013-2017	Power plant constructed	Designs MoUs	PPP	PPP	Proposed
Installation of power to all institutions in the County	County wide	150M	2013-2017	No. of institutions connected	Site visit reports, Completion reports, M&E reports	Kenya Power	GoK/CGW/Donors	Proposed
Establish 1 solar equipment supplier	County wide		2013-2017	Construction levels	Site visit reports, Completion reports, M&E reports	County government	CGM/Private investor	Proposed

ii) Roads

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Kahaini-Mukarara-Roads E504/E508/E1556/E1559	Gatanga		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Road c67/D413 Thika – Gatura and Gatanga – Ndakaini roads;	Gatanga		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Improvement to paved standard of Mackenzi-Kandara Road;	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
URA 40 Bridge (C70 Kamurugu - E510 Kaguthi);	Kandara		2013-2017	Percentage Completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
E1570 (E530 Kagira – D416 Kariua);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
E514 (Nguthuru-Gakui);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
URA 40 (C70 Kamurugu - E510 Kaguthi);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
E510 (Kaguthi – Gacharage);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
E1573 (Kandara – Karimawaro);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
RAR24 (Kandara – Makindi – Karimawaro);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
E513 (C70 Kahaini – D415 Kiranga);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
E516 (Karugia – Nguku – Turuturu);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
E1555 (Kibereke-Naaro);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
E530 (Muruka-Githima);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Githiga – Kanyenyaini E 523; Kangema Constituency	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Mihuti – Wanjerere – Kihoya E543;Kangema Constituency.	Kangema		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Njumbi – Mioro E546.	Mathioya		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Gakonya – Mahuaini – Boyle E559/E554;	Kiharu / Mukurueini		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Improvement to paved standards of Road D416/E518/URA1; (Kabati-Kariua-Mareira);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
C70/D414/E509 (A2 Thika-Gacharage-Githumu-Kangare);	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
D414 (Githumu – DB Thika).	Kandara		2013-2017	Kilometres completed	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Acquire construction equipment			2013-2017	serviceable construction equipment	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Maintaining Parking Bays			2013-2017	parking bays	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Provision of boda boda sheds	County wide		2013-2017	Completed boda boda sheds	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Renovate existing markets	County wide		2013-2017	Percentage Completion	GoK County Government Development Partners	GoK County Government Development Partners	On Going

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Expansion of existing drinking water distribution network	County wide		2013-2017	established and operational water and distribution network	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Rehabilitate and expand the sewer system			2013-2017	well-connected sewer drainage system in place	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Establish BPO center for Murang'a			2013-2017	Functional BPO Centre	GoK County Government Development Partners	GoK County Government Development Partners	On Going
Establish a county communication center			2013-2017	Centre completion	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Ithare - Matongu Primary school 1.8KM	Kiharu	2 260 800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Matongu-Kimathi Market 1.6KM	Kiharu	2 333 600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kimathi market - Gachura 1.7KM	Kiharu	21 875 200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kaigwa Primary school, 0.3KM	Kiharu	464 400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
428-Murio Wanda Cattle Dip-Mathioya River, 1KM	Kiharu	1 556 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
28 Green-Ndurumo, 1.2KM	Kiharu	1 867 200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
428 Kiambuigi Markert - Murio Cattle dip, 2.0KM	Kiharu	3 112 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
8 Gaturi Catholic - Kabuta, 2.6KM	Kiharu	3 738 800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Hakamama-Kabui Primary School, 1.6KM	Kiharu	2 935 200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gichue-Gathanji, 2Km	Kiharu	4 448 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gakurwe market – Kwamamber e, 0.8KM	Kiharu	1 244 800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Gatitu-Thuru Thuru, 3Km	Kiharu	5 100 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kahigaini-Gacirago Coffee Factory – Gaitheri, 2.1KM	Kiharu	3 375 600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Hakamama - Geitwa	Kiharu	1 139 400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kimathi School-Gituahiu 0.8Km	Kiharu	1 244 800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kigetuini sch-A.C.K Kimathi	Kiharu	6 300 800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Gakuyu-Gaitega, 6KM	Kiharu	13 536 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kiambu-Kambirwa, 5KM	Kiharu	7 888 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Mambugu-Gitungano, 7KM	Kiharu	11 108 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Karembu-Gitugi, 6KM	Kiharu	9 336 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Muti-Kamira, 4KM	Kiharu	6 440 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Muchungucha-Thengeini, 8Km	Kiharu	10 048 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kandundukanii-Gitungano, 3Km	Kiharu	25 028 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kingatia Pri Sch-Koreceni Rail way Crossing, 3.4KM	Kiharu	478 400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Ngaini-Kanjuya	Kiharu	8 896 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gikandu Market-Gakindu 3KM	Kiharu	3 876 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Kamira-Kabuthi, 1Km	Kiharu	1 360 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Ndikwe-Gathangaini, 1Km	Kiharu	2 418 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Muchungucha market (Loop), 0.2Km	Kiharu	374 400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Thengengeini - Thengengeini quarry, 3KM	Kiharu	4 362 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Maragua river-Gacharu (Kiambuceru), 2KM	Kiharu	2 944 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Kambirwa prisch-Maragua River, 3.1KM	Kiharu	4 350 400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Railway crossing Kiambu-Gitungano-Gikindu Pri School, 4.6KM	Kiharu	6 062 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gaitega Market-Karaha	Kiharu	7 032 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Ngaini-Kanjuya, 14.0KM	Kiharu	30 671 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kabuta-Githuri, 3.7KM	Kiharu	5 061 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Gikuu-Miriri, 8.3KM	Kiharu	15 179 800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Sagana-Kambirwa, 15.2Km	Kiharu	2 695 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kambirwa-Sagana, 8.6Km	Kiharu	8 530 600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Muchungucha-Mbombo, 7.6KM	Kiharu	12 280 800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Matharite Town-Kayahwa Kanyenyaini 2KM	Kiharu	2 287 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Kamwiyoni Village-Gathamba Tea Buying Centre, 1.5KM	Kiharu	2 325 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Karuriini-Murarandia, 4KM	Kiharu	4 247 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gatuya-Jct E525 Kahithe Secondary school 3.3KM		4 950 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Angola Tea buying centre - Kaganda Sec School, 2Km	Kiharu	3 334 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kahuro-Githagara, 3KM	Kiharu	12 344 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Yamugwe-Rugaita-Mirichu Pri school, 5KM	Kiharu	7 770 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Githagara-Kiumba-Githioro-Mitarakwa coffee factory, 10KM	Kiharu	15 513 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gititu-Kiria-Ngaru-Muchuugucha, 10KM	Kiharu	12 776 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Mugoiri-Mbari ya hiti-Gitiri-Kahuro, 6km	Kiharu	10 533 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kiatuthu-Kiboimutitu, 3Km	Kiharu	4 808 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Mutunduru - Dr.Kiano Sec school, 1.5Km	Kiharu	2 334 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kagira-Yamugwe, 1.5Km	Kiharu	2 550 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gitiri – Githunguri, 4Km	Kiharu	6 224 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gititu-Kamaguta-Kiratina 4Km	Kiharu	6 440 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Githiro-Munyutha-Kiria Kagumo School, 6Km	Kiharu	9 660 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Mugoiri High Sch-Kinyoho-Mbari ya Hiti, 3KM	Kiharu	4 668 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Mumbi-Kambwe, 2Km	Kiharu	3 503 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Huhi Petrol Station-Mjini-Mukuyu, 3KM	Kiharu	5 626 500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Mukuyu-Majoyce, 2KM	Kiharu	1 823 500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kandu-Kiharu, 1.5Km	Kiharu	2 762 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Maragi-Embassy 5.5KM	Kiharu	8 935 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Miyembeini-Karindundu Quarry 3KM	Kiharu	3 888 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gathinja Market-JCT E1584/1585 Muirigo 4.5KM	Kiharu	6 975 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Koimbi Market - JCT E1584/1585 Wanjengi coffee factory 1.5KM	Kiharu	2 382 000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Loop) Koimbi Pri Sch-Koimbi A.C.K Church 4.7Km	Kiharu	7 457 200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
JCT E537 Gitui- Gackaru- Gitige A.C.K Church 2.5km	Kiharu	3 890 000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Kayahwe River(R.A.R 5A)-Kirogo Sec 3.3KM	Kiharu	4 432 000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
UNCL Jct E537 Gitui- Gacharu- Gitige A.C.K Churuch 2.5KM	Kiharu	4 207 500	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
E539 Karichiungu Coffee Factory- Mukingai River 4.2KM	Kiharu	3 883 300	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
UNCL JCT E539 Mukungai- JCTC72 Mukangu 2Km	Kiharu	2 932 000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Hangumba- Gitui- Gatheru- Gatundu, 4.5KM	Kiharu	7 933 500	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Gitweku- Mbari yaThuki 6.5KM	Kiharu	12 280 000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Maragi- Weithaga 16KM	Kiharu	12 533 000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Kandani- Ngong Kairi Access Road (Ura 38)	Kigumo (Kahumb u Ward)	11,149,60 0	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jack Mbogoini Access Road	Kigumo (Kahumbu Ward)	4,197,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Mugumoini-Mbari Ya Kiogo Access Road	Kigumo (Kahumbu Ward)	10,912,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Karabai Gatungu Access Road	Kigumo (Kahumbu Ward)		2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kagwethu-Kamungu Kagonga Access Road	Kigumo (Kahumbu Ward)	8,226,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gutundunguru-Kagonga Mbogoini Access Road	Kigumo (Kahumbu Ward)	8,226,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Githioro Karuri Bridge Road	Kigumo (Kahumbu Ward)	5,736,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kahariro-Mwera Access Road	Kigumo (Kahumbu Ward)	4,127,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Githembe Kirigu	Kigumo (Kahumbu Ward)	4,147,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Ngurue-ini-Kianjoki-Gatura 3 km	Mathioya (Kamacharia)	4,127,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Wakabene-Kiria-Rwarai 3km	Mathioya (Kamacharia)	4,127,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
URA2 Rumaruma -New city 5 km	Mathioya (Kiru)	6,995,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E540 Mananga-ACK Church 0.2 km	Mathioya (Kiru)	517,800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E540 Kagumoini-URA2 Kagumo-ini 1.3 km	Mathioya (Kiru)	1,867,700	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Bagdad-Warugara Shopping Centre 3 km	Mathioya (Kiru)	1,778,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Kirigini-Kaharo tea buying centre 3 km	Mathioya (Kiru)	5,409,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Equity Kiria- ini-Ngarange C70 2 km	Mathioya (Kiru)	2,833,000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
E540 Kagumoini- E540 Mananga 1.6 km	Mathioya (Kiru)	2,350,400	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
E541 Kiriko- E541 Kiriko Pry Sch. 0.8 km	Mathioya (Kiru)	696,200	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
C70 Waranga- Kiru Sch. 1.2 km	Mathioya (Kiru)	1,797,800	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
URP25 Irima TCC- Gachuha bridge- Gatiki 2.5 km	Mathioya (Kiru)	4,530,000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Kiangugi-Mwangathia Shopping Centre 2.8 km	Mathioya (Kiru)	4,743,200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Maria-ini - Ireke village 2 km	Mathioya (Kiru)	3,428,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gitwe-Kairo-Kabokoe 3 km	Mathioya (Kiru)	3,577,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
511 Kihari-Ndundu-ini 3.5 km	Mathioya (Kiru)	5,216,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E511 Kiamuturi-Nguru-ini 3km	Mathioya (Kiru)	5,264,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct E511ruru-Jun E511 Hembe 5km	Mathioya (Kiru)	8,640,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E511Miro-T3651 Kiamahindu TCC 3.5km	Mathioya (Kiru)	6,034,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
T3651 Muthangari-Muthangari Pry Sch-Kiriti ACK Church 1 km	Mathioya (Kiru)	1,784,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gondo-Kanjahi 6.7km	Mathioya (Gitugi)	10,516,300	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
C70 Mihuti-Kirimiga 4km	Mathioya (Gitugi)	5,736,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
D427 Wangondu-D427 Muirini 2.4 km	Mathioya (Gitugi)	4,435,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E1592 Karia- ini -E1592 Thakumi 1.5km	Mathioya (Gitugi)	2,302,250	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Access-Ya Karengo- Nyangiti- Police & HC 2.2km	Mathioya (Gitugi)	2,993,800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D427 Kanoru- Mukui 2km	Mathioya (Gitugi)	2,798,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E1592- Gitugi-Gitugi H/Centre & DO'S 0.2km	Mathioya (Gitugi)	335,800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Thuitu-Kanjahi 6.7 km	Mathioya (Gitugi)	10,519,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D427 Muirimi-Mathioya 1.5km	Mathioya (Gitugi)	2,142,250	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E546-Mutunguru-Kiandarwa-Kagongo	Mathioya (Gitugi)	6,996,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
C70 Kangunu C.Factory-Kairi-ini 3km	Mathioya (Gitugi)	5,212,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E546 Gikoe-Ireke TCC 4km	Mathioya (Gitugi)	6,856,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
D427 Nyagacheru-Mathioya-Kaheta 2.5km	Mathioya (Gitugi)	3,523,750	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E524 Gondo-Gataragwa prof. Ngotho	Mathioya (Gitugi)	5,261,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E1594 Chui-Karuku-Kiruyu 3km	Mathioya (Gitugi)	4,284,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E540 Chui-Githendu Pry Sch 0.5km	Mathioya (Gitugi)	14,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D427 Gitugi-E1594 Kirembu 2km	Mathioya (Gitugi)	2,973,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
E1592 Gitugi-Kihiti-ini 1 km	Mathioya (Gitugi)	4,284,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D427 Kang'ongi-Ihara 2.5km	Mathioya (Gitugi)	3,480,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D427 King'etho-Kinguri 3.0km	Mathioya (Gitugi)	4,197,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E1592 Kambara-Kangui 2.5km	Mathioya (Gitugi)	3,480,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D427 Gitongu-Kahuria Kahete	Mathioya (Gitugi)	10,092,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
E532 (Hakangasha - Kaguku - Kahuroko) 24km	Gatanga (Ithanga)	5,200,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Jn. E532 Kirathani - Nyaitira) 3.0km	Gatanga (Ithanga)	572,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Jn. E532 St. Teresa's - Ngurunga Pri. - Muthithi Farmers Co-op.) 3.0km	Gatanga (Ithanga)	5,433,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Jn. E532 - Kirathani - Mama Gachie) 2.0km	Gatanga (Ithanga)	250,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Jn. E532 - Ha Kimani Gachie) 2.5km	Gatanga (Ithanga)	3,650,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
(Jn. E532 - Mungetho - Ha Wamuraya) 2.5km	Gatanga (Ithanga)	3,776,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Jn. E532 Apostolic Church - Kamuiru) 2.0km	Gatanga (Ithanga)	376,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Jn. E532 CDF Office - Mwanja Mbogo - Kanduri Pri. School) 8.0km	Gatanga (Ithanga)	10,809,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Jn. E532 Kaguku - Cornerstone) 2.0km	Gatanga (Ithanga)	2,594,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Husseini - Nyaitira) 2km	Gatanga (Ithanga)	394,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
(Jn. E532 - Ithanga Sec. School - Rurii) 5.4km	Gatanga (Ithanga)	484,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Ngeleiya - Gachagi) 2.0km	Gatanga (Ithanga)	394,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Jn. URA 18 - Rubiru - Mavoloni) 3.0km	Gatanga (Ithanga)	1,138,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Hon. Njoroge Access Road) 0.5km	Gatanga (Mugumoini)	950,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
URA 43 (Laini - Gatoka Access Road) 2.7km	Gatanga (Mugumoini)	2,381,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
URA 9(Kimatu - Nganga-ini Access Road) 2.5km	Gatanga (Mugumoini)	2,535,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Gatunyu - Kahurura Access Road) 2km	Gatanga (Mugumoini)	3,718,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Kigio - Matinga Access Road) 0.5km	Gatanga (Mugumoini)	715,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Kigio - Junction Access Road) 0.5km	Gatanga (Mugumoini)	799,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Kigio - Ha Pius Access Road) 0.5km	Gatanga (Mugumoini)	789,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Mununga - Ngeca Access Road 3.0km	Gatanga (Mugumoini)	4,750,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Kahiti Mugumo Ndogo - Access Road) 2.0km	Gatanga (Mugumoini)	3,780,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Giatutu - Shopping Centre Access Road) 2.5km	Gatanga (Mugumoini)	4,675,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Four Quarry Access Road) 3.0km	Gatanga (Mugumoini)	4,750,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
(Gaitegi Access Road - Ndungo Area) 1.5km	Gatanga (Mugumoini)	2,375,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Ithangarari Access Road 2.5km	Gatanga (Mugumoini)	4,759,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
All Shopping Centre 2.0km	Gatanga (Mugumoini)	4,320,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jn. C67 – Rwaitira 2.0km	Gatanga (Mugumoini)	2,504,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Samuru) 1.5km	Gatanga (Mugumoini)	2,850,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D414 (Gataka-ini - Karangi - Kimandi) 6.0km	Gatanga (Kiriara)	9,752,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
UNCL. (Ndaka-ini - Giteme) 2.0km	Gatanga (Kiriara)	4,572,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E505/T3661 (Gatura - Giteme - Kigoro - Ndunyu Chege) 6.0km	Gatanga (Kiriara)	7,716,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
URA 53 (Ndunyu Chege - Gitiri (Gathwariga)) 2.0km	Gatanga (Kiriara)	4,718,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Muthandi - Mbugiti - Kimandi) 3.0km	Gatanga (Kiriara)	6,180,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Kimandi - Ngerechi - Kiawamarwa - Wanyaga) 6.0km	Gatanga (Kiriara)	9,360,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
UNCL. (Kiganjo Pri. - Rukindu) 2.0km	Gatanga (Kiriara)	4,620,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E503 (Gatunguru - Kahunyo) 3.0km	Gatanga (Kiriara)	2,608,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E1557 5.0 km	Gatanga (Kiriara)	9,000,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Ituiro - Kaguru - Pluto - Access Road) 3.0km	Gatanga (Kiriara)	3,900,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E505 (Kigoro - Kahunyo Chomo) 3.0km	Gatanga (Kiriara)	2,590,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
UNCL. (Macanani-ini Gathugu Foot path) 2.0km	Gatanga (Kiriara)	156,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Kigoro - Gitige - White Gate) 3.0km	Gatanga (Kiriara)	5,144,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Kiarutara Ithanji Road) 2.5km	Gatanga (Kiriara)	3,125,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Kamatiri Road) 2.0km	Gatanga (Kiriara)	3,060,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Kiarutara - Kagongo) 2.0km	Gatanga (Kiriara)	3,100,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
UNCL. (Karangia Footpath) 2.0km	Gatanga (Kiriara)	1,322,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Ithanga - Chaume - Kihato Road) 10.0km	Gatanga (Kakuzi)	5,152,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Ithanga - Kahuho Road) 20.0km	Gatanga (Kakuzi)	11,512,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Ithanga Gaichanjiru Road) 10.0km	Gatanga (Kakuzi)	5,012,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D 424 /E 491. (Kitito - Macvast Road) 14.0km	Gatanga (Kakuzi)	7,440,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
E 492. (Kitito - Kahonoki Road) 7.3km	Gatanga (Kakuzi)	8,088,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Macvast - Ngatho Junction) 5.0km	Gatanga (Kakuzi)	7,150,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
URP 12(Kwa Jimmy - Silanga Pri. School) 4.0km	Gatanga (Kakuzi)	2,746,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Muti - Kwa Paul Road) 5.0km	Gatanga (Kakuzi)	6,200,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Mukundi - Power Line) 4.0km	Gatanga (Kakuzi)	11,290,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
UNCL. Kwa Jimmy - Kwa Ngewa) 4.0km	Gatanga (Kakuzi)	4,902,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Kakuzi - Greystone - Mwana Wi Kiiio - Gatwikira) 18.0km	Gatanga (Kakuzi)	8,016,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Kakuzi - Nanga) 10.0km	Gatanga (Kakuzi)	7,350,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Shauri - Kihukambi - Kahuho - Stima) 15.0km	Gatanga (Kakuzi)	7,500,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Mwana Wi Kiiio - Salvation Army) 5.0km	Gatanga (Kakuzi)	4,792,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
UNCL. (Kihiu - Kenya Cutlings Road) 3.0km	Gatanga (Kakuzi)	2,200,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Kihiumwiri Land Scheme) - Access roads 35.0km	Gatanga (Kakuzi)	2,100,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Nanga Land Scheme) 60.0km	Gatanga (Kakuzi)	3,600,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Mwana Wi Kii Land Scheme) 60.0km	Gatanga (Kakuzi)	3,800,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Greystone - Nanga Road) 5.0km	Gatanga (Kakuzi)	4,700,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
UNCL. (Kwa Ndoge Road) 3.0km	Gatanga (Kakuzi)	6,000,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
UNCL. (Tara - Githioro) 3.0km	Gatanga (Kakuzi)	2,380,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Maragua Hosp-Jct D419 3.80km	Maragwa (Nginda)	651,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct G1 Gikidu-Jct D419 Nginda 7.00km	Maragwa (Nginda)	1,550,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E528 Irembu Mrt - Nyerere ACK Chrch 3.50km	Maragwa (Nginda)	930,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct D419 Karimaini-JctE528 Kaharo 3.20km	Maragwa (Nginda)	1,431,800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E528 Kaharo-Kaagio 5.00km	Maragwa (Nginda)	1,450,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E528 Kaharo Sec-Jct E528 Kaigio 3.00km	Maragwa (Nginda)	1,144,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E528 Mutaraho-Jct E528 Karaho Boys 6.00km	Maragwa (Nginda)	1,180,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E528 Itaaga-Kareti 5.20km	Maragwa (Nginda)	1,156,800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct E528 Kirundo-Jct E528 Kwa Mbui 3.00km	Maragwa (Nginda)	794,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct D420 Nginda Girls-D421 Iregi 2.80km	Maragwa (Nginda)	1,274,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct Uncl 9 Kienda -Jct Uncl 9 Iregi 4.00km	Maragwa (Nginda)	1,122,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct Uncl 9 Ihigaini-Jct D421 Karigero 2.50km	Maragwa (Nginda)	800,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct Uncl 9 Iregi-Jct D421 Maragua Rvr 2.70km	Maragwa (Nginda)	919,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct D421 Iregi-Jct D421 Karigiro 5.00km	Maragwa (Nginda)	1,035,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct D421 Gakoigo-Ikondo 8.00km	Maragwa (Nginda)	1,404,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct D421 Gakoigo-D419 Kambi 2.00km	Maragwa (Nginda)	827,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct D419 Maragua Hosp-Jct D419 Gko 2.50km	Maragwa (Nginda)	687,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E529 Gataga-Jct D420 Kigoru 4.00km	Maragwa (Nginda)	1,212,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct D424 kimiriri-Kangacha shopping 11.20km	Maragwa (Makuyu)	7,624,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E532 Miuu-Jct D424 Kakuzi 16.00km	Maragwa (Makuyu) 1	3,910,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct URA 7-Ndera Pry Sch -Ciumbu Mrt	Maragwa (Makuyu)	674,800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct 532 Mittini-Jct D420 Mbogo	Maragwa (Makuyu)	906,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E532 Miuu ya Ngaga-Keratina Mrt	Maragwa (Makuyu)	1,164,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
URA 7 Makuyu Girls sec-D424 Makuyu	Maragwa (Makuyu)	1,572,500	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Jct RAR 21 Pundamili- Ngathaga pry sch	Maragwa (Makuyu)	1,145,000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Jct URA 8 Makuyu- Pundamilia Mrt	Maragwa (Makuyu)	629,800	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Jct D424 makuyu- D424 Pundamili stage	Maragwa (Makuyu)	590,00	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
A2 Mitin- Kakuzi- Kanyagu	Maragwa (Kimorori)	6,272,000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Kangangu-Jct magoto Pry Sch	Maragwa (Kimorori)	1,542,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct Magoto-Magoto Pry School	Maragwa (Kimorori)	562,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct Magoto-Gikono Market	Maragwa (Kimorori)	464,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Gikino Market-S.Chief Gichohi Pry	Maragwa (Kimorori)	235,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
A2-Kenol-Mangoto	Maragwa (Kimorori)	3,520,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct Katipanga-Mangoto B Kangangu	Maragwa (Kimorori)	1,756,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
A2 Katipanga-Karungangi	Maragwa (Kimorori)	2,475,200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
D416 Mitubiri-Gikono-Kangangu	Maragwa (Kimorori)	4,260,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct A2 Tirus - Kanaini Sec Sch	Maragwa (Kambiti)	8,346,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct A2 Kwagendo-Masina A	Maragwa (Kambiti)	8,336,800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct URA 28 Kanoo-Gitune	Maragwa (Kambiti)	1,428,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct URA Slaughter-Jct A2 Kasethe	Maragwa (Kambiti)	966,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct A2 Kwa Jacob-Gitune	Maragwa (Kambiti)	1,186,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
C71 Maragua-Jct URA 23 Mathuthini	Maragwa (Kambiti)	1,836,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
A2 Kambiti Pry Sch-Muthaga Farm	Maragwa (Kambiti)	530,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct 533 Kambiti GK Prison	Maragwa (Kambiti)	11,376,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct 533 Ngaruya-Wakoge	Maragwa (Kambiti)	4,282,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct 533 Githioro-Muthaga	Maragwa (Kambiti)	471,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct 533 Kiambamba-Mataka River	Maragwa (Kambiti)	471,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E533 Kiambamba-GK Prison	Maragwa (Kambiti)	932,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Igikiro - Iganjo-Kanderendu-E5330 5.00km	Maragwa (Kamahuha)	1,674,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct.URA 67(Igikiro-Nyongo-Jct Iganjo) 3.00km	Maragwa (Kamahuha)	968,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct URA 67(Igikiro-PCEA Church-Iganjo) 4.00km	Maragwa (Kamahuha)	1,288,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct URA 67 Iganjo - Quarry 1.00km	Maragwa (Kamahuha)	1,520,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Igikiro - Mikuyu-Karinga-Kamahuha 2.90km	Maragwa (Kamahuha)	969,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct D424-Rurii 0.50km	Maragwa (Kamahuha)	461,750	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
C71 Kaharati - D424 Kamahuha - C71 Sabasaba 10.40km	Maragwa (Kamahuha)	4,722,700	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E533 -Jct ACK Nyati 2.10km	Maragwa (Kamahuha)	370,100	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
kiha PCA Church- Jct D 424 Kamahuha 3.30km	Maragwa (Kamahuha)	475,300	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
kamahuha mrt-kahaini lwr-Jct E1581 2.40km	Maragwa (Kamahuha)	552,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
ACK Church kahaini lwr-Jct E1581 1.00km	Maragwa (Kamahaha)	487,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Coffee factory-Jct E1581 1.00km	Maragwa (Kamahaha)	488,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E1581 kahaini upper-Jct E1581 Nyagati 2.00km	Maragwa (Kamahaha)	888,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E1581 Wamambo-Githioro-murram 1.2km	Maragwa (Kamahaha)	682,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Railway line-Jct G.pentecostal Church 1.30km	Maragwa (Kamahaha)	502,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Karathe Mosque-Railway line 1.50km	Maragwa (Kamahaha)	521,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
C71 SDA - D424 Ithe Rui 3.20km	Maragwa (Kamahaha)	1,431,200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E1581 Kaharati - D424 Itherui 5.6km	Maragwa (Kamahaha)	1,461,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Karathe-Wathiani-Manyatta central rd 4.50km	Maragwa (Kamahaha)	1,202,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E1581 Railway-Jct E1581 Sabasaba 3.30km	Maragwa (Kamahaha)	906,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
E1581 Kaharati - D424 Itherui 5.10km	Maragwa (Kamahu ha)	1,453,200	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Jct D419 Nginda- Ngaburi 6.6km	Maragwa (Ichagaki)	4,075,500	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
E530 Mugumoini- D419 Gikomora 8.00km	Maragwa (Ichagaki)	5,801,000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
D419 Maragua- D418 Kambi 8.30km	Maragwa (Ichagaki)	4,995,600	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
C71 St Mary -Jct E530 Mugumoini 4.00km	Maragwa (Ichagaki)	962,800	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
C71 Maragua-Jct URA 23 Mathuthini 2.80km	Maragwa (Ichagaki)	770,000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
D424 Itherui - E 1581 Kaharati Pry Sch	Maragwa (Ichagaki)	1,052,500	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Jct E529 Itara-Kiriti-E 528 Githambara	Maragwa (Ichagaki)	1,598,000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
E530 Munguini- E1582 Githuya	Maragwa (Ichagaki)	595,000	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed
Jct D419 Gikomora- Gitige-Jct D419 Muthithi, 2.60km	Maragwa (Ichagaki)	564,800	2013- 2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Developmen t Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct E530 Maragua-Ikuyu-Mugumo-ini 2.00km	Maragwa (Ichagaki)	560,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E530 Githugu-Kiamakumi 2.1km	Maragwa (Ichagaki)	673,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E528 Itaaga-Nduru-D 418 Muthithi 2.30km	Maragwa (Ichagaki)	822,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct D419 Gikomora Coff Fcty-Jct D419 2.20km	Maragwa (Ichagaki)	1,146,400	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct D419 Gikomora-Jct E 528 Kiamwohe 3.00km	Maragwa (Ichagaki)	884,000	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
Jct E529 Kamira-Jct D418 Muthithi 3.30km	Maragwa (Ichagaki)	1,104,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct E529 Ichagaki Boys-Jct E528 Irembu 1.50km	Maragwa (Ichagaki)	642,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E529 Ichagaki Mrt-Jct E1582 Githuya 2.0km	Maragwa (Ichagaki)	566,500	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
E530 Kianjiru-ini-Mugumo-Gititu	Maragwa (Ichagaki)	513,200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
Jct URA 36-Jct D419 Gikomora	Maragwa (Ichagaki)	831,200	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Project name	Constituency	Estimate Cost Ksh.	Time frame	Monitoring indicators	Implementing agency	Source of funds	Implementation status
C71 Muthuthini-D424 Small Earth 2.70km	Maragwa (Ichagaki)	630,800	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed
C71 SDA-D424 Itherui 4.20km	Maragwa (Ichagaki)	811,600	2013-2017	No. of Kms gravelled	GoK County Government Development Partners	GoK County Government Development Partners	Proposed

Subsector Projects

SUBSECTOR OBJECTIVE:									
				Indicative Budget:					
	Projects	Specific Objective	Indicators	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19 - 2022/23
1	Construction of Dual carriageway to Bituminous standards:- Kenol - Murang'a - Sagana (C71 & C73)	<ul style="list-style-type: none"> To reduce Accidents & drive faster 	<ul style="list-style-type: none"> Less Accidents & less driving hours 	1Billion	1Billion	1Billion	1Billion	1Billion	
2	Construction to bitumen standards:- Mukuyu - Kambirwa - Manyanja Bridge (E534 & D426)	<ul style="list-style-type: none"> To open up Kambirwa region for more food production 	<ul style="list-style-type: none"> Increased fruit farming along the road 	200M	200M	200M	200M	200M	
3	Construction to bitumen standards:- Mbombo - Muchungucha - Kagaa - Kaganda - Kiruri (RAR 29, E535, D421, D422)	<ul style="list-style-type: none"> To open up lower Mugoiri area 	<ul style="list-style-type: none"> Increased food production 	400M	400M	400M	400M	400M	

4	Construction to bitumen standards:- Mbombo - Makuyu - Kirimiri - Mithini - Kaguku - Gateiguru – Kilimambogo (D424, E532)	<ul style="list-style-type: none"> To open up Kaguku (Ithanga) Region 	<ul style="list-style-type: none"> Increased food production 	800M	800M	800M	800M	800M	
SUBSECTOR OBJECTIVE:									
				Indicative Budget:					
	Projects	Specific Objective	Indicators	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19 - 2022/23
5	Construction to bitumen standards:- Mairi - Mununga - Ichichi - Miro - Kairo (E511)	<ul style="list-style-type: none"> To open up highland regions for more food production 	<ul style="list-style-type: none"> Increased food production & dairy farming 	400M	400M	400M	400M	400M	

6	<p>Construction to bitumen standards:- 20Km of road network in each Constituency in every financial year</p>	<ul style="list-style-type: none"> To ensure that the whole County is well networked with tarmacked roads to provide equal opportunities 	<ul style="list-style-type: none"> Balanced economic growth 	3.5B	3.5B	3.5B	3.5B	3.5B	
7	<p>Spot Improvement & Routine Maintenance of a total of 3,000Km or Road Network in the County</p>	<ul style="list-style-type: none"> To ensure all roads in the County are maintained to a motorable condition 	<ul style="list-style-type: none"> Increased farming activities in the region 	200M	200M	200M	200M	200M	

iii) ICT

Project Name	Constituency	Cost Kshs.	Time Frame	Monitoring Indicators	Monitoring Tools	Implementing Agency	Sources of Funds	Implementation Status
Extension of fibre optic cable to all major towns	County wide	200m	2013-2017	No of Towns connected with optic cable	Tender documents Regular M&E reports	County government/National government/ICT board	CGM/GoK/Donors	Proposed
Constructing and equipping ICT and documentation centres	County wide	300M	2013-2017	Construction levels N.o of centres constructed	Site visit reports, Completion reports, M&E reports	County Government	GoK/CGM/Donors	Proposed
Installation of satellite communication network in public institutions	County wide	12M	2013-2017	Construction levels	Site visit reports, Completion reports, M&E reports	County Government	GoK/CGM/Donors	Proposed
Provision of speedy internet equipment	County wide	15M	2013-2017	N.o of connection	Site visit reports, Completion reports, M&E reports	County Government	GoK/CGM/Donors	Proposed

Project Name	Constituency	Cost Kshs.	Time Frame	Monitoring Indicators	Monitoring Tools	Implementing Agency	Sources of Funds	Implementation Status
Design and launch website	Head-quarters		2013-2017	Completion rate	Regular reports M&E	County government/National government	CGM/GoK/Donors	Proposed
Extension of fiber optic cable to all major towns	County wide		2013-2017	Connectivity level	Site reports, visit Completion reports, M&E reports	County Government	GoK/CGM/Donors	Proposed
Constructing and equipping ICT and documentation centers	County wide		2013-2017	Completion rate	Site reports, visit Completion reports, M&E reports	County Government	GoK/CGM/Donors	Proposed
Increase network coverage across the county by all service providers	County wide		2013-2017	Connectivity rate	Completion reports, M&E reports	County Government	GoK/CGM/Donors	Proposed
ICT training and capacity building	County wide		2013-2017	No. of people trained	Regular reports M&E	County government/National government	CGM/GoK/Donors	Proposed

Project Name	Constituency	Cost Kshs.	Time Frame	Monitoring Indicators	Monitoring Tools	Implementing Agency	Sources of Funds	Implementation Status
Telephony connection project sub-county	County wide		2013-2017	Level of connectivity	Site visit reports, Completion reports, M&E reports	County Government	GoK/CGM/Donors	Proposed
Establish a county communication center	Headquarters		2013-2017	Completion rate	Site visit reports, Completion reports, M&E reports	County Government	GoK/CGM/Donors	Proposed
County communication and marketing strategy	Head-quarters		2013-2017	Strategy in place	Operational reports M&E	County Government	GoK/CGM/Donors	Proposed
Establish BPO center for Murang'a	Kiharu		2013-2017	Completion rate	Tender documents Regular M&E reports	County government/National government	CGM/GoK/Donors	Proposed

8.3 General Economic, Commercial and Labour Affairs

Project name	Constituency	Cost Kshs.	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
1 Wholesale and retail outlet	Maragwa constituency		2013-2017	wholesale hub completion	Tender documents Regular M&E	County Government GoK Development partners	County Government GoK Development partners	Proposed
Industrial Development Centre	county wide		2013-2017	Completion Percentage	Tender documents Regular M&E	County Government GoK Development partners	County Government GoK Development partners	Proposed
Joint Loans Board to issue Kshs. 500 Million in loans annually	county wide		2013-2017	Amount issued	Operational reports Regular M&E reports	County Government GoK Development partners	County Government GoK Development partners	on-going

Project name	Constituency	Cost Kshs.	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
Micro, Small and Medium Enterprises Training to train 2857 traders in each of the 7 constituencies	county wide		2013-2017	Traders trained	Operational reports Regular M&E reports	County Government GoK Development partners	County Government GoK Development partners	on-going
Develop a tourism county marketing, branding strategy and communication.	County wide		2013-2017	No. of People Reached	Operational reports Regular M&E reports	County Government GoK Development partners	County Government GoK Development partners	on-going

8.4 Health Sector

Project name	Constituency	Cost estimate	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
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Project name	Constituency	Cost estimate	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
Model health centres	County wide		2013-2017	Percentage Completion	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	On Going
Recruitment of 20No. Nurses per constituency;	County wide		2013-2017	No. of Nurses Recruited	Personnel reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Purchase of 5 motorcycles in each constituency	County wide		2013-2017	No. of Motorcycles	Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Purchase of 20 bicycles in each constituency.	County wide		2013-2017	No. of Bicycles	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed

Project name	Consti tuency	Cost estim ate	Time frame	Monitorin g indicator s	Monitor ing Tools	Implementi ng agency	Sources of Funds	Implemen tation status
Provide medical kits for all health facilities;	County wide		2013-2017	No. of Facilities Equiped	Operatio nal reports Regular M&E reports	County Government , GoK' Developmen t Partners	County Government , GoK' Developmen t Partners	On going
HIV/AIDS awareness Creation county wide to reduce HIV/AIDs prevalence from 3.7% to 1.7 %.	County wide		2013-2017	No. of People Reached	Operatio nal reports Regular M&E reports	County Government , GoK' Developmen t Partners	County Government , GoK' Developmen t Partners	On going
Distribute 1000 Insecticide Treated Nets per constituency	County wide		2013-2017	No. of Nets distributed	Operatio nal reports Regular M&E reports	County Government , GoK' Developmen t Partners	County Government , GoK' Developmen t Partners	On going
Expand Immunization from 87.5 % to 97 %.	County wide		2013-2017	No. of children immunize d	Operatio nal reports Regular M&E reports	County Government , GoK' Developmen t Partners	County Government , GoK' Developmen t Partners	On going

Project name	Consti tuency	Cost estim ate	Time frame	Monitorin g indicator s	Monitor ing Tools	Implementi ng agency	Sources of Funds	Implemen tation status
Construction of mortuary at Maragwa District Hospital	Maragwa		2013-2017	Per centage Completio n	Tender docume nts Site visits reports Regular M&E reports	County Government , GoK' Developmen t Partners	County Government , GoK' Developmen t Partners	Proposed
Completing and Furnishing unfinished health facilities.	County wide		2013-2017	Completi on percentag e	Site reports	County Government , GoK' Developmen t Partners	County Government , GoK' Developmen t Partners	Proposed
Equiping and refurbishing existing health facilities	County wide		2013-2017	Completi on percentag e	Site reports	County Government , GoK' Developmen t Partners	County Government , GoK' Developmen t Partners	Proposed
Equip mortuary at Maragwa district Hospital.	County wide		2013-2017	Completi on percentag e	Site reports	County Government , GoK' Developmen t Partners	County Government , GoK' Developmen t Partners	Proposed

Project name	Constituency	Cost estimate	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
Establishing a County pharmaceutical warehouse	Muranga		2013-2017	Completion percentage	Site reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Collaborate with Red Cross International and other partners to drive public health programmes	County wide		2013-2017	No. of Joint Programmes held	Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	On Going
Procure and operationalize 8 ambulances	County wide		2013-2017	No. of ambulances Procured	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Design and operationalize an insurance programme for the vulnerable groups	County wide		2013-2017	No. of people insured	Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed

Project name	Constituency	Cost estimate	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
Upgrade Murang'a hospital into a referral hospital in collaboration with a Murang'a and Other Universities.	Kiharu		2013-2017	Level of completion	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Appoint a County Health Board	County headquarters		2013-2017	Presence of Board	Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	On Going
Hiring of medical staff for the district hospital, all health centers and dispensaries	County wide		2013-2017	No. hired	personnel reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Capacity Building and Training on needs assessment. All existing staffs (inclusive of new recruits).	County wide		2013-2017	No. of staff trained	Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed

Project name	Constituency	Cost estimate	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
Collaborate with Red Cross International and other partners to drive public health programmes (including Anti Jigger Campaign, etc)	County wide		2013-2017	No. of public health programmes	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Provision of ambulances for the county hospitals and all wards	County wide		2013-2017	No. of ambulances	Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	On Going
Upgrading of dispensaries to health centers	County wide		2013-2017	Level of completion	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed

Project name	Constituency	Cost estimate	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
Pharmaceuticals-purchase and supply of quality drugs as per facility workload in every facility in the sub county.	County wide		2013-2017	Purchases made	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Non-pharmaceuticals, medical equipment's, fridges, Beddings, garments, Linens, gas cylinders	County wide		2013-2017	Purchases made	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Establishment of a diagnostic center.	Murang'a hospital		2013-2017	Completion rate	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed

Project name	Constituency	Cost estimate	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
Community health worker programme proposal	County wide		2013-2017	Health workers trained	Operational reports M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Fundraising program for Health	County wide		2013-2017	Amount raised	Audit reports M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Automate Pharmaceutical/Non pharmaceutical commodities Information Management System	County wide		2013-2017	Percentage Completion	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Establish a renal center	Kiharu		2013-2017	Percentage Completion	Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed

Project name	Constituency	Cost estimate	Time frame	Monitoring indicators	Monitoring Tools	Implementing agency	Sources of Funds	Implementation status
Establish an eye center	Kiharu		2013-2017	Percentage Completion	Tender documents Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	Proposed
Carry out an audit of health facilities	County wide		2013-2017	No. of Facilities Assessed	Operational reports Regular M&E reports	County Government , GoK' Development Partners	County Government , GoK' Development Partners	On going

8.5 Education

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Develop and implement a communication strategy for all Projects (county wide)	County wide	2M	Completion percentage	Progress reports	CGM, GoK, Partners	CGM, GoK, Partners	New
School electrification/lighting project. (County wide)	County wide	6M	Completion percentage	Project reports	CGM, GoK, Partners	CGM, GoK, Partners	New

Project Name Location/Division/ Constituency	Constituen cy	Cost (KSh)	Monitorin g Indicator s	Monitorin g tools	Implementi ng agency	Sourc e of Funds	Statu s
Create libraries and provide learning resources/materials.(For class 7 and 8) – county wide	County wide	2M	Completi on percentag e	Project reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Improve and fund teacher advisory centers. County wide	County wide	2M	Completi on percentag e	Progress reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Develop and implement mentorship programme for schools – county wide	County wide	5M	No. of students mentored	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New
Motivational programme for pupils and teachers (County wide)	County wide	15M	No. of people reached	No. of pupils	CGM, GoK, Partners	CGM, GoK, Partners	New
Introduce extended study hours for exam students Standardize county exams and implement intervention measures Staff rationalization programme (county wide)	County wide	20M	No. of hours	Supervisio n reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Create incentives for Investors for Investment into private schools (county wide)	County wide	30M	No. of investors	Schools Roll	CGM, GoK, Partners	CGM, GoK, Partners	New
Bursaries and scholarship Programmes (county wide)	County wide	70M	No. of students assisted	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New
Establish ICT facilities (12 months)	County wide	100 M	Completi on percentag e	Project reports	CGM, GoK, Partners	CGM, GoK, Partners	New

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Develop and implement performance management system for teachers.	County wide	5M	No. of people reached	Performance appraisals	CGM, GoK, Partners	CGM, GoK, Partners	New
Equip Polytechnics Rehabilitation of Disabled Centre	County wide	15M	Completion percentage	Project reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Institution for the mentally and physically challenged children	County wide	10M	Completion percentage	Project reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Identify and implement fund raising activities for school projects(12 months)	County wide	30M	Funds raised	Ledgers	CGM, GoK, Partners	CGM, GoK, Partners	New
Empowerment programme both for teachers and stakeholders	County wide	100 M	Teachers reached	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New
Provide incentive schemes to attract and retain teachers	County wide	100 M	Incentives	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Develop teaching and learning strategies that enhance student innovation	County wide	100 M	Completion percentage	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Employ more teachers in pre-primary and primary schools	County wide	100 M	No. of teachers employed	No. of teachers	CGM, GoK, Partners	CGM, GoK, Partners	New

8.6 Public Administration and International Relations

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Equipping of the DPU; Gatanga, Kandara and Kangema constituencies.	County wide	90M	Completion percentage	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Community Empowerment Programme; Countywide.	County wide	20M	No. of people reached	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Expansion of the DIDC; Maragwa constituency	County wide	30M	Completion percentage	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Develop organizational structures	County Wide		No. of organizational structures	Records	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Develop HR policies and regulations	County Wide		No of policies developed	Policy Document	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Implement HR systems	County Wide		Completion percentage	Reports	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Undertake workload analysis	County Wide		No. of staff assessed	Reports	CGM; CPSB, PSC	CGM; CPSB, PSC	New

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Develop and implement schemes of service	County Wide		No. of schemes made	Scheme of service	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Initiate recruitment and selection process	County Wide		No. of staff recruited	Employment records	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Induct all new employees	County Wide		No. of people inducted	Registers	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Conduct performance management	County Wide		Completion rates	Performance contracts	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Undertake capacity building of all staff	County Wide		No. of staff capacity built	Registers	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Develop and implement code of regulations for all staff	County Wide		Completion rate	Code of service	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Undertake job evaluations for all cadres	County Wide		No. of jobs evaluated (as demanded)	Records	CGM; CPSB, PSC	CGM; CPSB, PSC	New

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Develop and implement reward management strategies for staff	County Wide		No. of reward criteria	Records	CGM; CPSB, PSC	CGM; CPSB, PSC	New
Manage county employee welfare	County Wide		Welfare schemes in place	Records	CGM; CPSB, PSC	CGM; CPSB, PSC	New

8.7 Governance, Justice, Law and Order

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Upgrading of AP Housing Units; County wide.	County wide		Completion percentage	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Refurbishment and Renovation Of Chiefs Offices; County wide.	County wide		Completion percentage	Progress Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Setting up of AP Posts County wide	County wide		No. of posts set	Site Reports	CGM, GoK, Partners	CGM, GoK, Partners	New

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Construction of DO Maragwa's residence; Maragwa division.	County wide		Completion percentage	Site Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Construction and equipping Sub county offices in Kigumo, Gatanga, Mathioya, Kangema Constituencies.	County wide		Completion percentage	Site Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Training registration assistants; County wide.	County wide		No. of assistants trained	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New
Registration of persons; County wide.	County wide		No. of people registered	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New
Awareness creation; County wide.	County wide		No. of people sensitized	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New
Crime prevention; County wide.	County wide		Crime rate	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Resettlement and Reintegration of Offenders; County wide.	County wide		No. of offenders reintegrated	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Rehabilitation of Offenders; County wide.	County wide		No. of offenders rehabilitated	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New

8.8 Social Protection, Culture and Recreation

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Purchase two sports buses	County wide		Buses bought	Purchase documents	CGM, GoK, Partners	CGM, GoK, Partners	New
County Soccer Tournament	County wide		Successful hosting	Entry register	CGM, GoK, Partners	CGM, GoK, Partners	New
Secondary schools sports tournament	County wide		Successful hosting	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Establish a talent center in collaboration with Murang'a University.	County wide		Successful establishment	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Develop a intervention paper that addresses vulnerable groups (Disabled, orphans and elderly)	County wide		Completion percentage	Intervention paper	CGM, GoK, Partners	CGM, GoK, Partners	New

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Upgrade of Gakoigo Sports Stadium	County wide		Completion percentage	Works documents	CGM, GoK, Partners	CGM, GoK, Partners	New
Annual Sports Day	County wide		Successful hosting	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
8 children recreational centers (Merry Go Round)	County wide		No. of recreation centres	Works documents	CGM, GoK, Partners	CGM, GoK, Partners	New
County marathon	County wide		Successful hosting	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Upgrade and rehabilitate Mukurwe wa Nyagathanga and other heritage sites; and host first annual pilgrimage, cultural night, county prayer day	County wide		Percentage completin	Works documents	CGM, GoK, Partners	CGM, GoK, Partners	New
Darts Tournament	County wide		No. of Clubs	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New
Identification, Registration and documentation of cultural groups	County wide		No. of groups registered	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New

8.9 Environmental Protection, Water and Housing Sector (EPWH)

Project Name Location/Division/ Constituency	Constituency	Cost (KSh)	Monitoring Indicators	Monitoring tools	Implementing agency	Source of Funds	Status
Rehabilitation of degraded sites such as quarry.	County wide		Hectares Rehabilitated	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Designated dumpsite.	County wide		Dumpsite	Site report	CGM, GoK, Partners	CGM, GoK, Partners	New
Acquisition of exhausters.	County wide		No. of exhausters	Purchase documents	CGM, GoK, Partners	CGM, GoK, Partners	New
Advocacy for enforcement of environmental laws.	County wide		No. of people reached	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Increase tree planting.	County wide		No. of trees	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Sensitization on water treatment measures as a measure on operation of water wells and boreholes.	County wide		No. of People sensitized	Registers	CGM, GoK, Partners	CGM, GoK, Partners	New
Introduction of water bowsers to community.	County wide		No. of Households reached	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Zoning of towns/urban planning.	County wide		Centres zoned	Urban/zonal plans	CGM, GoK, Partners	CGM, GoK, Partners	New

Rehabilitation and conservation of Dams/wetlands.	County wide		No. of dams	Reports	CGM, GoK, Partners	CGM, GoK, Partners	New
Expansion, rehabilitation and Construction of water schemes.	County wide		No. of schemes	Site reports	CGM, GoK, Partners	CGM, GoK, Partners	New

Appendix 1: County Fact Sheet

INFORMATION CATEGORY		Statistics
County Area:		
Total area (KM ²)		2,558.9
Water mass (KM ²)		11.2
Gazetted Forests (KM ²)		254.4
National Parks/Reserves		0
Arable land (KM ²)		2,135
Non-arable land (KM ²)		163.3
Total urban areas (KM ²)		20
No. of towns		3
No. Of urban centres		3
Topography and climate		
Lowest altitude		914
Highest		3,354
Temperature range:		
	High (°C)	33
	Low (°C)	9
Rainfall:		
	High (mm)	1,600

INFORMATION CATEGORY		Statistics
	Low (mm)	400
Average relative humidity (%)		
Wind speed (Km/H)		
Demographic profiles		
Total Population (2012)		953,960
Total Male population		457,901
Total female population		496,059
Sex ratio (M:F)		48:52
Projected population:		
	Mid plan period (2015)	958,969
	End of 2017	966,672
Infant population (2012):		
	Female	21,784
	Male	22,183
	Total	43,966
Population under five (2012):		
	Female	69,401
	Male	71,200
	Total	140,601
Pre-school population (2012):		

INFORMATION CATEGORY		Statistics
	Female	33,900
	Male	34,926
	Total	68,826
Primary School (2012):		
	Female	95,849
	Male	97,605
	Total	193,455
Secondary School age group (2012):		
	Female	42,599
	Male	43,330
	Total	85,929
Youths population (2012):		
	Female	121,208
	Male	118,976
	Total	240,184
Labour force (2012):		
	Female	276,897
	Male	250,782
	Total	527,679
Reproductive age group (2012):		230,775

INFORMATION CATEGORY		Statistics
Aged population (2012):		
	Female	36,432
	Male	27,328
	Total	63,760
Eligible voting population: 18 and above (2012):		
	Name of Constituency	
	Kangema	106,276
	Mathioya	45,742
	Kiharu	51,365
	Kigumo	88,874
	Maragwa	70,292
	Kandara	91,036
	Gatanga	82,989
	Total (County)	53,6573
Registered voters (2012)	Name of Constituency	
	Kangema	35,892
	Mathioya	41,128
	Kiharu	84,418
	Kigumo	57,700

INFORMATION CATEGORY		Statistics
	Maragwa	70,989
	Kandara	73,036
	Gatanga	76,269
	Total	455,335
Urban Population (2012)		
	Female	55,523
	Male	53,326
	Total	108,849
Rural Population:(2012)		
	Female	434,803
	Male	403,879
	Total	838,682
Population density:2012		
	Highest	672
	Lowest	254
	County	373
Crude Birth rate		32.5/1000
Crude Death rate		10.4/1000
Infant Mortality rate (IMR)		31/1000
Neo-Natal Mortality Rate (NNMR)		65/1000

INFORMATION CATEGORY		Statistics
Post Neo-Natal Mortality Rate (PNNMR)		62.5/1000.
Child Mortality Rate (CMR)		58/1000.
Under Five Mortality Rate (U5MR)		58.5/1000.
Life expectancy: Male		59.7
Female		67.2
Total number of households		255,696
Average household size		4
Female headed households		28,126
Children needing special protection:		
	Children in labour	21,254
	Orphans	116,151
Physically disabled persons (No.)		94,238
	Missing:	
	Hand (%)	1.6
	Foot: (%)	2.2
	Lame (%)	2.0
	Blind (%)	1.1
	Deaf (%)	0.38
	Dumb (%)	0.22

INFORMATION CATEGORY		Statistics
	Mental (%)	2.1
	Paralysed (%)	0.3
	Other (%)	0.1
Child- Headed households (No.)		1,399
Human Development Index (HDI)		
County		0.58795
National		0.561
Human Poverty Index (HPI)		
County		34.5
National		29.1
Gender Development Index (GDI)		
County		0.5061
National		0.4924
Youth Development Index (YDI)		
County		
National		0.5663
Poverty Indicators		
Absolute poverty:		
	Per centage	36.3
	Number	346,288
Contribution to national poverty (%)		1.2

INFORMATION CATEGORY		Statistics
Urban poor:		
	Per centage	27
	Number	29,389
Rural poor:		
	Per centage	35
	Number	295,789
Food poverty:		
	Per centage	27
	Number	257,569
Income per capita (USD)		360
Sectoral contribution to household income:		
	Agriculture (%)	57
	Rural self-employment (%)	8
	Wage employment (%)	18
	Urban self-employment (%)	17
Number employed per Sector:		
	Agriculture	247,611
	Rural self-employment	34,752
	Wage employment	78,193
	Urban self-employment	73,849

INFORMATION	CATEGORY	Statistics
Crop farming:		
Average farm size (Small scale) (ha)		0.567
Average farm size (Large scale) (ha)		6.47
Per centage of farmers with title deeds		64.9
Total area under food crops (ha)		133,236
Total area under cash crops (ha)		71,886.74
Total a area under soil/land conservation (ha)		13,457.42
Total area under farm forestry (ha)		109,620.8
Total area under organic farming (ha)		155,951.5
Main storage facilities		Granary
Livestock farming:		
Number of Ranches		
	Company ranches	1
	Group ranches	0
	Total	1
Average size of ranches (acres)		213
Main livestock bred		Cattle, pigs, goat, sheep, rabbits, donkeys, cats, dogs chickens, ducks, geese, turkeys.
Land carrying capacity (No./ Ha)		15

INFORMATION CATEGORY		Statistics
Total Number of Ranches		1
Beekeeping apiaries (No.)		1
Bee hives (No.)		4,103
Milk production:		
	Quantity (litres)	106,220,472
	Value (Kshs.)	2,422,702,695
Beef production:		
	Quantity (Kgs)	2,053,361
	Value (Kshs.)	461,678,370
Mutton Production:		
	Quantity (Kgs)	2,186,667
	Value(Kshs.)	750,985,365
Egg production:		
	Quantity (trays)	4,102,948
	Value(Kshs.)	68,123,022
Poultry meat Production:		
	Quantity (Kgs)	292,596
	Value(Kshs.)	75,597,440
Honey Production:		

INFORMATION CATEGORY		Statistics
	Quantity (Kgs)	66,225
	Value(Kshs.)	18,591,080
Pork Production:		
	Quantity (Kgs)	664,367
	Value(Kshs.)	124,463,540
Fisheries production:		
Fishermen (No.)		0
Fish farm families (No.)		2,380
Fish ponds (No.)		2,520
Area of fish ponds (m ²)		714,000
Main species of fish catch:		
	Fish catch types (T)	
	Tilapia	4.5
	Cat Fish	1.1
Fishing Effort (man hours)		2
Landing beaches (No.)		0
Fishing gear (No.):		
	Fishing nets: (No.)	7
	Hooks:	0
	Traps:	0

INFORMATION CATEGORY		Statistics
	Motor Boats:	0
	Dhows	0
	Canoes	0
Fish harvest:		
	Weight (Kgs)	32,200
	Value (Kshs.)	9,660,000
Wildlife Resources		
Animal types		Hippopotamus, Elephants, Colobus monkeys, several bird species
<i>Wildlife estates-private (No.)</i>		0
<i>game management/ National parks/Reserve (No.)</i>		0
<i>Staff of KWS, camps</i>		0
<i>Poaching control measures:</i>		
Forestry		Tree species : Markamia lutea, Grevilea robusta, Ocotea usambarensis, Makaranga spp, Olea hochsteterii and Combretum
Rate of forest loss (%)		0.12
Number of gazetted forests		5
No. of Non-gazetted forests		0
Size of gazetted forests (Km ²)		254.4
Size of non-gazetted forests		0
Main forest products & quantities		
Timber (Running feet)		63,994,066
Firewood (2010 in stacks)		531,025
Seedling production (number)		63,500,000
No. of people engaged in forestry		282,774

INFORMATION CATEGORY	Statistics
Farms engaged in farm forestry (No.)	204,557 .
Average No. of trees per farm	40
Non-timber forest products harvested	
Grass (2010 in bags)	11,020
Bamboo (2010 in pieces)	3,264
Others: Grazing (cattle)	1,710
Charcoal (bags)	28,512
Community Forest Associations (CFA) established	7
Quantity of timber produced (m ³)	63,994,066
ENVIRONMENT	
Pollution: Types and sources	Water - Coffee factories, agrochemicals Air pollution – dust, vehicles exhaust, Noise – Churches, hooting vehicles, business promoters Land – solid wastes from markets, quarrying activities
EIAs endorsed (No.)	176
Environment Audits executed:	29
Solid waste management by type	Domestic- residential septic, - residential biomedical- private and government hospitals and clinics
Sources of solid waste:	Households, Factories, Institutions and Markets
Hill tops and slopes and mountain areas protected (No.)	3
Rivers, lakes and wetlands protected: (Distribution of water uses according to main water users)	
No. of water resource users associations	5
No. of water permits per category	5
No. of rivers with environmental flows	21
No. of ground water sources	310
% of house with roof catchment	38
No. of area protected	1

INFORMATION CATEGORY		Statistics
Number of coastal sites protected:		0
Number of quarry sites rehabilitated:		0
<i>Mines, mineral, Quarrying and estimate quantities</i>		
Mining activities:		
	<i>Mineral Type</i>	0
	<i>Lifespan</i>	0
Quarrying:		
	Sand (tonnes p.a)	42,900.
	Ballast (tonnes p.a)	22,016
	Murram/gravel (tonnes p.a)	374,560
	Hardcore (tonnes p.a)	189,770
	No. of people involved	6,971
Cooperatives		
No. of cooperative societies		155
Active cooperative societies		120
Dormant cooperative societies		35
Collapsed societies		17
Total Registered membership		332,420
Total turn-over (KKSHS..s)		599,053,665

INFORMATION CATEGORY		Statistics
Health		
<i>Number of health posts:</i>		
	Hospitals (Public)	
	Provincial	0
	County	3
	Sub-county	3
	Hospitals (Mission/NGO)	444
	Hospitals (Private)	0
	Nursing homes (Private)	3
	Health centres (Public)	18
	Health centres (Private)	3
	Dispensaries (Public)	89
	Dispensaries (Mission/NGO)	25
	Private clinics	137
<i>Beds capacity:</i>		
	Public Health Facilities	
	Provincial Hospitals	0
	Level 5 Hospitals	2
	Sub-county Hospitals	34

INFORMATION CATEGORY		Statistics
	Total (Public facilities)	36
	Mission/NGO Health facilities:	
	Hospitals	5
	Health Centres	8
	Dispensaries	44
	Clinics	10
	Total Mission facilities	67
	Private health facilities:	
	Health Centres	3
	Nursing homes	4
	Total (Private Health) facilities	8
Community distribution by Distance to the nearest Health facility (%)		
	0 – 1 KM	15.75
	1.1 – 4.9KM	62.57
	5KM and more	21.68
Average distance to health facility(Km)		7
Doctor/population ratio		1:38,103

INFORMATION CATEGORY		Statistics
Nurse/ population ratio		1:2,740
HIV prevalence		34:1000
Children vaccination (%)		87.5
Contraceptive acceptance (%)		69.2
Antenatal care (ANC) (%)		72
Place of Delivery (%):		
	Hospital	44.7
	Health Centre	5.7
	Dispensary/clinic	1.9
	Maternity home	1.4
	At home	46.3
Health facility deliveries		
Delivery Assistant (%):		
	Doctor	19.7
	Midwife/nurse	33.3
	TBA	6.8
	Trained TBA	6.6
	Self	10.3
	Other	22
Morbidity Rates (%):		

INFORMATION CATEGORY		Statistics
	Male	29.96
	Female	36.53
	Total (County)	33.51
Malaria Control:		
	Children under 5 who sleep under bed net (%):	
	Untreated net	65.63
	Treated net	34.37
Five most prevalent diseases (%):		
	Malaria/fever	50.5
	Diarrhoea	11.45
	Stomach-ache	6.54
	Respiratory Diseases	
	Upper	0.71
	Lower	10.15
	Flu, etc	20.64
Education		
Pre-school:		
	No. of ECD centres	1080
	No. of ECD teachers	1,127

INFORMATION CATEGORY		Statistics
	Teacher/pupil ratio	1:28
	Total enrolment (No.)	31,944
	Gross enrolment Rate (%)	72.43
	Net enrolment Rate (%)	61.45
	Drop-out rate (%)	1.8
	Average years of attendance	4.5
	Completion Rate (%)	97.12
	Retention Rate (%)	97.87
	Transition Rate (%)	103
Primary school:		
	Number of primary schools	634
	Number of teachers	6,324
	Teacher/pupil ratio	1:34
	Total enrolment(No.)	214,986
	Gross enrolment Rate (%)	97.75
	Net enrolment Rate (%)	93.85
	Drop-out rate (%)	2.87
	Average years of attendance	8
	Completion Rate (%)	97.13
	Retention Rate (%)	98.1

INFORMATION CATEGORY		Statistics
	Transition Rate (%)	70.6
Community's distribution by distance to nearest public primary school (%):		
	0 – 1KM	30
	1.1 – 4.9KM	70
	5KM and more	0
Secondary schools:		
	Number of secondary schools	292
	Number of teachers	3,206
	Teacher/pupil ratio	1:26
	Total enrolment (No.)	84,874
	Gross enrolment Rate (%)	71.04
	Net enrolment Rate (%)	67.2
	Drop-out rate (%)	5.1
	Average years of attendance	4
	Completion Rate (%)	85
	Retention Rate (%)	94.9
Communities distribution by distance to nearest public Secondary school (%)		
	0 – 1KM	5
	1.1 – 4.9KM	20

INFORMATION CATEGORY		Statistics
	5KM and more	75
Tertiary institutions:		
Public Universities (No.)		1
Private Universities (No.)		0
University Campuses/colleges (No.)		0
National Poly techniques		0
Science & Technology Institutes (No.)		1
Other Public Colleges (No.)		2
Youth Poly techniques (No.)		48
Private Accredited colleges (No.)		3
Private Non accredited college (No.)		4
Literacy: (Population aged 15+)		
Ability to read:		
Can Read (%)		78.2
Cannot read (%)		21.8
Ability to write:		
Can write (%)		78
Cannot write (%)		22
Ability to read and write:		
Can read and write (%)		78

INFORMATION CATEGORY		Statistics
	Cannot read & write (%)	22
Water and sanitation		
Households with access to piped water		14,558
HH with access to potable water		27,124
Number of permanent rivers		10
No. of shallow wells		4,000
No. of protected springs		25
No. of un-protected springs		50
No. of water pans		25
No. of Dams		30
No. of Bore holes		100
HH with roof catchment systems (No.)		15,000
Mean distance to nearest water point (Km)		3
Households distribution by time taken (minutes, one way) to fetch drinking water by per centage		
	0	26.7
	1- 4	17.1
	5-14	29.4
	15- 29	19.0
	30-59	6.8

INFORMATION CATEGORY		Statistics
	60+	1.0
Number of Water Resource User Associations (WRUA) Established		5
Households with Latrines (%)		90.84
Community distribution by type of main toilet facility (%):		
	Flush toilet	4.97
	VIP Latrine	3.97
	PIT Latrine	45.41
	Uncovered Pit Latrine	16.28
	Covered Pit Latrine	29.15
	None	0.22
Community distribution by type of waste/garbage disposal (%):		
	Collected by local Authority	3.92
	Collected by Private firm	0.75
	Garbage pit	13.81
	Burning	6.06
	Public garbage heap	3.14
	Farm Garden	44.46
	Neighbourhood Community group	0

INFORMATION CATEGORY		Statistics
Energy(No.)		
Trading centres with electricity		126
Trading centres without electricity		89
Health facilities with electricity		110
Health facilities without electricity		99
Secondary Schools with electricity (%)		98.3
Secondary Schools without electricity (%)		1.7
HH distribution by main cooking fuel: (%)		
	Firewood	66.04
	Grass	0.1
	Paraffin	12.39
	Electricity	0.42
	Gas (LPG)	6.01
	Charcoal	14.6
	Biomass Residue	0
	Biogas	0
	Other	0.42
HH distribution by main lighting fuel (%)		
	Firewood	0.45

INFORMATION	CATEGORY	Statistics
	Grass	-
	Paraffin	85.73
	Electricity	11.53
	Solar	1.62
	Gas (LPG)	0.4
	Dry cell (torch)	0.6
	Candles	0.4
Household's distribution by cooking appliance type: (%)		
	Traditional stone fire	70
	Improved traditional stone fire	8
	Ordinary Jiko	3.1
	Improved Jiko	1.9
	Kerosene Stove	13.9
	Gas Cooker	2.4
	Electric cooker	0.2
	Other	0.7
Institutions (schools, hospitals, prisons, etc.) using improved wood-fuel cooking stoves (No.)		279

INFORMATION CATEGORY	Statistics	
Institutions (schools, hospitals, prisons, etc.) using LPG(No.)	2	
Institutions (schools, hospitals, prisons, etc.) using kerosene (No.)	0	
Institutions (schools, hospitals, prisons, etc.) using solar energy	0	
Institutions (schools, hospitals, prisons, etc.) that have established woodlots (No.)	587	
Transport & Communication		
Road length: (Km)		
	Bitumen surface	387.5
	Gravel surface	1,313.1
	Earth surface	1,234.3
Railway line length	65	
Railway Stations(No.)	3	
Sea/Lake Ports	0	
Airports	0	
Number of Telephone connections	800	
Mobile network coverage (%)	97	
No. of Cyber cafes	69	
No. of private courier services	4	
Number of Post offices	6	

INFORMATION CATEGORY		Statistics
Number of Sub-post offices		3
Licensed stamp vendors		1
Community distribution by distance to nearest Post Office(%)		
	0 – 1KM	20.1
	1.1 – 4.9KM	28.2
	5KM and more	51.7
Wholesale and Retail Trade & Industry		
Market centres (No.)		513
Registered Retail traders (No.)		17,469
Registered wholesale traders (No.)		1,494
Industry		
Manufacturing industries		0
<i>Total Production by industries</i>		0
<i>Total Consumption</i>		0
<i>Surplus/deficiency</i>		
Bakeries (No.)		1
Juan Kali Associations (No.)		38
Juan Kali Artisans (No.)		2,550
Tourism		

INFORMATION	CATEGORY	Statistics
Hotels by category: (No.)		
	Five Star	0
	Four Star	0
	Three Star	0
	Two Star	0
	One Star	0
	Unclassified hotels	113
	Bars and Restaurants	1135
Hotel Bed capacity by category: (No.)		
	Five Star	0
	Four Star	0
	Three Star	0
	Two Star	0
	One Star	0
	Unclassified hotels	3670
Financial Services (No.)		
Commercial Banks		7
Micro-finance Institutions		4
Building Societies		0
Village banks		0

INFORMATION CATEGORY		Statistics
Insurance Companies/branches		4
Housing		
	Distribution by main wall materials (%)	
	Stone	28.87
	Brick/Block	11.33
	Mud/Wood	24.30
	Mud/Cement	2.78
	Wood only	15.32
	Corrugated Iron sheet	14.78
	Grass Straw	0.07
	Tin	2.12
	Other	0.43
HH distribution by main floor materials: (%)		
	Cement	38.85
	Tiles	0.55
	Wood	0.46
	Earth	60.04
	Other	0.09
HH distribution by main Roofing materials: (%)		
	Corrugated Iron Sheet	94.38

INFORMATION CATEGORY		Statistics
	Tiles	1.24
	Concrete	1.80
	Asbestos Sheet	1.71
	Grass	0.14
	Makuti	0.04
	Tin	0.61
	Other	0.08
Government houses by category (No.)		
	LG	1,924
	MG	232
	HG	184
Community Development and social welfare sector (Number)		
<i>Active women groups</i>		1,156
<i>Community based projects</i>		1,300
<i>No. of youth groups</i>		676
<i>Adult literacy classes</i>		153
<i>No. of orphans and vulnerable children</i>		116,051

Below is a summary of statistics that describe the county at a glance. The data has been obtained from the Kenya National Bureau of Statistics, DIDC, Line ministries, nongovernmental organizations and faith based institutions in the County.

Sector	Male	Female	Comments
Agriculture	129,314	177,934	More female than male because more female stay at home compared to males
Mining	5,333	106	More male than female due to nature of work and risks involved in the sub sector
Tourism	1067	60	More male than female due to aggressive nature of males in looking for employment opportunities.
Transport	18,532	134	More male than female due to nature of work which involves people to be away from home for long hours
Government	19,198	19,898	More female than male because the nature of work is not so much physical compared to others
Processing	8,532	7,213	More male than female because it requires hard labour.
Trading	22,798	14,378	More male than female because it require people to be away from home for long hours.
Other	8,532	1,376	These includes hawking, mechanics, carpentry, welding and metal works among others.
Total	213,306	221,099	There are more female than male in the total population. This leads to more women employed than male in the above sectors

Source: County Development Planning Officer- Murang'a (2013)

Appendix 2: Indicative Monitoring and Evaluation Impact/Performance Indicators and Targets

SECTORS	2012 (Base Year)	2015 Mid – Term Period	2017 End of Plan Period
Agriculture and Rural Development			
Cash crop production area (Ha)	177,636	187,636	197,636
Food crop production (Ha)	329,234	359,234	389,234
Milk production million (litres)	101.22	150.22	167.5
Energy Infrastructure and ICT			
Roads - Road upgraded to bitumen standards (Km)	387.5	447	507
Gravelled Road (Km)	1313.1	1433.1	1500
Rural access road (Km)	1234.3	1434.3	1634.3
Energy –houses with electricity connections (%)	11.53	13	15
Number of trading centres' with electricity	126	156	186
Health sector			
Infant Mortality rate Per 1000	31	21	17
under 1 year Immunization coverage against measles (%)	92.2	95	98.8
HIV/AIDS Prevalence (%)	3.7	2.7	2
Life expectancy: Male	59.7	62	67

SECTORS	2012 (Base Year)	2015 Mid – Term Period	2017 End of Plan Period
Female	67.2	69	72
Education sector			
School net enrolment rate(%): Primary	93.85	97	100
Secondary	67.2	71	80
School dropout rate (%): Primary	2.87	1.7	0
Secondary	5.1	3	1.5
Teachers pupil ratio: Primary	1:34	1:30	1:28
Secondary	1:26	1:24	1:21
County literacy-level (%)	78	80	82
Social –Economic Indicators			
Poverty levels- Absolute (%)	36.3	32	30
Environmental Protection, Water and Housing			
Number of Households with access to piped water	14,558	19,000	24,000
Number of protected springs	25	30	35
Number of shallow wells	4,000	4,500	6,000
Average distance to nearest water point (Km)	3	2.5	2

Appendix 3: Status of MDGS in the County

S/ no.	MDGs	Targets	Indicators	MDGs status in Murang'a County.	MDGs status at National	2015 Target s	Likeliho d of achieving the targets
1	Eradicate extreme poverty and hunger	a.) Halve, between 1990 and 2015, the proportion of people whose income is less than a dollar a day.	Proportion of population below a dollar a day	36	45.9	21.5	Unlikely
			Poverty gap ratio	-	16.2 (2006)	-	-
			Share of poorest quintile ($\frac{1}{5}$) in national consumption.	-	4.6 (2006)	9.6	-
		b.) Achieve full and productive employment and decent work for all, including women and young people	Growth rate of GDP per person employed.	-	-	-	-
			Employment to population ratio (%)	45.26	-	-	-
			Proportion of employed people living below a dollar a day.	-	-	-	-
			Proportion of own account and contributing family workers in total employment	-	-	-	-
		c.) Halve, between 1990 and 2015, the proportion of	Prevalence of underweight children under five years of age. (%)	5	20.9	16.26	Met

S/ no.	MDGs	Targets	Indicators	MDGs status in Murang'a County.	MDGs status at National	2015 Target s	Likelihood of achieving the targets
		people who suffer from hunger.	Proportion of population below minimum level of dietary energy consumption.(Food Poverty)	27per cent	16.1 (2009)	-	-
2	Achieve Universal Primary Education	a.) Ensure by 2015, children everywhere, boys and girls alike, will be able to complete a full course of primary schooling.	Net enrollment in primary education (%)	93.85	92.9	100	Unlikely
			Proportion of pupils starting standard one who reach standard eight. (%)	97.13	83.2	100	Unlikely
			Literacy rates of 15+ year olds (women and men) (%)	78	79.5 (2008)	100	Unlikely
3	Promote gender equality and empower women	a.) Eliminate gender disparity in primary and secondary education, preferably by 2005 and in all levels of education no later than 2015.	Ratio of girls to boys in primary education.	0.98	0.958	1	Unlikely
			Ratio of girls to boys in secondary education.	0.97	0.834	1	Unlikely
			Ration of female to male in tertiary level (TIVET/ Polytechnics)	-	0.941	1	-
			Share of women in wage employment in non-agricultural sector. (%)	33.95	31.2	-	-
			Proportion of seats held by women in national	0	9.9	-	-

S/ no.	MDGs	Targets	Indicators	MDGs status in Murang'a County.	MDGs status at National	2015 Target s	Likeliho d of achieving the targets
			parliament				
4	Reduce child mortality	a.) Reduce by $\frac{2}{3}$ between 1990 and 2015, the less than 5year olds mortality rate.	Under five year old mortality rate/ 1000 live births	59	74	33	Unlikely
			Infant mortality rate/ 1000 live births	31	52	21	Unlikely
			Proportion of one year old children immunized against measles. (%)	92.20	85	95	Likely
5	Improve maternal health	a.) Reduce by $\frac{3}{4}$ between 1990 and 2015, the maternal mortality ratio.	Maternal mortality/ 100,000	350	488	147	Unlikely
			Proportion of births attended by skilled personnel. (%)	61.60	43.8	90	Unlikely
		b.) Achieve by 2015, the universal access to reproductive health.	Contraceptive prevalence rate (%)	73.40	45.5	60	Met
			Adolescent birth rate/ 100,000	-	103	90	-
			Ante-natal care coverage (i.e. women making at least 1-4 visits. (%)	84	47.1	90	Likely
			Unmet need for family planning (%)	26.5	25.6	15	Unlikely

S/ no.	MDGs	Targets	Indicators	MDGs status in Murang'a County.	MDGs status at National	2015 Target s	Likeliho d of achieving the targets
6	Combat HIV and AIDS, Malaria and other diseases	a.) Have halted by 2015 and begun to reverse the spread of HIV and AIDS.	HIV prevalence among population aged 15-24 years.	2.4	3	<2	Unlikely
			Condom use at last high risk sex (%)	-	42.3	80	-
			Proportion of population aged 15-24 years with comprehensive correct knowledge of HIV and AIDS (%)	90	48.7	-	-
			Ratio of school attendance of orphans to school attendance of non-orphans aged 10-14 years.	-	-	-	-
		b.) Achieve, by 2010, universal access to treatment of HIV and AIDS for all those who need it.	Proportion of population with advanced HIV infection with access to anti-retroviral drugs. (%)	42.2	40.5 (2007)	-	-
		c.) Have halted by 2015 and begun to reverse the incidence of malaria and other major diseases.	Incidence and death rates associated with malaria (%)	0	31	-	-
			Proportion of children under five sleeping under insecticide treated	34.37	46.7	-	-

S/ no.	MDGs	Targets	Indicators	MDGs status in Murang'a County.	MDGs status at National	2015 Target s	Likeliho d of achieving the targets
			bed nets. (%)				
			Proportion of children under five with fever who are treated with appropriate anti-malarial drugs per 1000. (%)	1.6	23	-	-
			Incidence and prevalence rates associated with tuberculosis/ 100,000	145	326	300	Met
			Death rates associated with tuberculosis. (%)	5.9	4	-	-
			Proportion of TB cases detected and cured under DOTS (Directly Observed Treatment Short course) (%)	86.6	85.43	83	Met
7	Ensure environmental sustainability	a.) Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources.	Proportion of land area covered by forest. (%)	11.61	1.7	10	Met
			Carbon dioxide emissions, total per capita. (Metric tonnes)	-	0.3054 (2000)	-	-

S/ no.	MDGs	Targets	Indicators	MDGs status in Murang'a County.	MDGs status at National	2015 Target s	Likeliho d of achieving the targets
			Consumption of ozone depleting substances (ODP Metric tonnes)	-	134.8 (2000)	-	-
			Proportion of fish stocks within safe biological limits (%)	0	86.25	-	-
			Proportion of total water resources used. (%)	-	8.9 (2000)	-	-
			Proportion of terrestrial and marine areas protected to total territorial area (%).	0	12.7 (2000)		-
			Proportion of species threatened with extinction.	0	-		-
			Proportion of population using improved drinking water source. (%)	60	60.2	75	Unlikely
			Proportion of population using an improved sanitation facility. (%)	99.70	82	96	Met
8	a.) Develop Global partnership for development	a.) Develop further an open, rule based, predictable non discriminatory trading and system (which includes a commitment to good governance	Proportion of total developed country imports (by value and excluding arms) from Kenya admitted free of duty.	-	98.67	-	-

S/ no.	MDGs	Targets	Indicators	MDGs status in Murang'a County.	MDGs status at National	2015 Target s	Likeliho d of achieving the targets
		development and poverty reduction.					
			Average tariffs imposed by developed countries on agricultural products, textiles and clothing from developing countries.	-	2.41	-	-
		b.) Deal comprehensively with the debt problems of developing countries through national and international measures in order to make debt sustainable in the long term.	Debt service as a percentage of exports of goods and services.	-	6.8 (2000)	-	-
		c.) In corporation with the private sector, make available the benefits of new technologies especially information and communication.	Telephone lines per 100 population	8	4	-	-
			Cellular subscribers per 100 populations.	57	36.4	-	-
			Internet users per 100 populations.	-	10	-	-

▪ **Kamacharia Ward - Prioritised Roads to be Murramed**

ATTN. TO THE HON. MINISTER FOR ROADS (MURANG'A COUNTY)


(7)

THE PRIORITISED ROADS TO BE MURRAMED IN KAMACHARIA WARD

NO.	NAME OF THE ROAD	NO. OF KMs	OBJECTIVE
1.	Keni - Kairi - Gitundu (Iruri) To Gachirago coffee factory	10kms.	To transport coffee to the factory. Kairi Pry. Sch, dispensary, Polytechnic and county Rep home.
2.	Kagwanja Pry. Sch. to Wairiuko Kagumo-ini Rd.	6Kms.	To reach Mukui Pry.Sch. Kagwanja Pry. Sch. Kagumo-ini Coffee Factory and Kamacharia market.
3.	Kagwanja Pry. Sch. to Kairi P.C.E.A church and Kairi Rd.	2Kms.	To access Kagwanja Pry. Sch. and P.C.E.A church, Kairi Pry Sch.
4.	Kamacharia Market to Mukui Pry. Sch.	1 Km.	To access Mukui Pry. Sch. and Churches n the area and Kamacharia Market
5.	Kamacharia Mkt. to Ihiga ria Mbari ya Ngechu Quarry, Wahundura Dispensary	6 Km	To access Quarry, Dispensary and Wahundura Sec. Sch. Kamacharia Sec Sch. and Market
6.	Keni stage to Kamune Market Via Ria-Kiberu Coffee factory, to Kihoni Coffee factory to Kaimbatuku and Gaithunu Pry Sch.	8 Km	To access coffee factories, Schools, and Green Belt area at Gathima Springs.
7.	Iruri Disp., Kiaguthu-Karugiro- and Iria-ini road.	8 Km	To access Iruri Disp., Iruri Market, Karugiro coffee factory, milk collection centres, Pry and Sec. Schools
8.	Mbari ya Nyaga Road to Karugiro coffee factory, to Buthu, Murengi, Thuita Pry sch. and Market.	5 Km	To access Milk collection centres, coffee factory, Thuita Sec, Pry Schools, Polytechnic and Churches
9.	Irima Gachibi Road off Kiria-ini Wahundura Road.	5 Km	To access Gachibi Tea Buying Centre, Gachibi Mkt, Wahundura coffee factory, Wahundura Sec Sch, Milk collection centres.
10.	Mdmbu-ini bridge to John Kiriamiti Thuita Road	2 Km.	To access Green Belt Movement tree nursery, Gachirago coffee factory and milk collection centres
11.	Ria Kibero coffee factory - Ngamba road	2 Km	To access coffee factory, Ngamba Sec. Sch and Pry Sch.
12.	Areas to be curveted	20 areas	

All the other areas as per the attached copies need urgent grading and drainage.

Prepared by:


Joseph K. Machiri Kamacharia Ward Rep
and Works officer Mathioya



*Cc: E. Kiulo
to incorporate in your report
24/7/14*

1. Kamacharia Ward – Priority Projects

MURANG'A COUNTY GOVERNMENT
MATHIOYA SUB-COUNTY
LIST OF PROJECTS WHICH URGENTLY NEED TO BE GIVEN
FIRST PRIORITY IN KAMACHARIA WARD

1. Opening and unblocking of closed storm water drains opposite Equity Bank along Murang'a / Kiriani Tarmac Road. ✓
2. Murraming of open space opposite Equity used by Vehicles Motor Mechanics. ✓
3. Pot holes patching with quarry waste 4 carries on kaganjo Primary School Road. ✓
4. Levelling and gravelling the top frontages from Kaganjo Primary Road Entrance toward Muranga Tarmac road to be used as parking bays.
5. To complete Kamacharia Milk Cooler which has been constructed to lento level
6. To construct classroom at Gakoe Primary school which is up to standard three and also survey the land to acquire ownership documents.
7. To construct culvert bridge on Ndurumo River on road from Murang'a / Kiriani Road to Wahundura Secondary School.
8. To construct Culvert Bridge at karinditi-irioko ria Muchiru –Kahinga. ✓
9. To construct Modern kiosks at Kamacharia Market to be constructed by Link-up Enterprise LTD.
10. To construct a pay Modern Toilet at kamacharia by Link-up Enterprise LTD
11. To construct Boda Boda Shed at Kamacharia Market.
12. Fencing Kamacharia Open Market.
13. Murraming of Kamacharia Market Enterprise Road. ✓
14. Construction of Kamacharia ward Representative Office which requires painting, ceiling, installation of electricity and concreting of corridor floor.
15. Murraming of road from ward Representative Office Church to Tarmac Road.
16. Murraming of road from Kahore house to Kamacharia River to Murang'a Tarmac road- 3kms. ✓
17. Construction 450mm diameter Double Culvert Bridge at Mutunguru river. ✓
18. Road grading from Githua polytechnic-Mutunguru River to Kihuro Primary school 2km. ✓
19. Construction of foot bridge at Mutunguru river opening of 3m wide road -0.5 ✓

79. Opening Mhuri Bobi-Kagiri-Ithanji river road -1km ✓
80. Opening Gifombe-Gatu road-0.5km
81. Opening Waiganjo Ndege-gathima spring –waweru Gaferu road-2km
82. Opening Kigundu-wamaltha Waanderi Ngechu road-0.5km
83. Graveling redeemed gospel church Gitundu –Gichuchu road-2kms
84. Graveling Malsha -Murengi road -3kms ✓
85. Graveling thuita cattle dip –baba kloria road -1km
86. Graveling munanda-mathirio road -0.5km
87. Graveling Ngucu-HA kungu road-1km
88. Graveling Maina Njuki-James Mwangi Road-0.5km
89. Graveling Gethi Mbuca-Muriu Muchira road- 2.5km
90. Graveling Gichocho-Stanley Gitu road-0.5km
91. Graveling Stanley Mane-Joseph Kimari road-0.5km
92. Graveling Daoudi kariuki-Kahuthu road-0.5km
93. Graveling Rithe Kilbunja-Gikombe road -0.5km
94. Graveling Mwangi Njiri-Makumi road- 0.5km
95. Graveling Gachago Mukurima- Mburu road -0.5km
96. Graveling Mukera –Maina Chumaa road -0.5km
97. Construction of culvert bridge at Kangu river 600mm ✓
98. Gitutu –Karugiro culvert bridge at Kangu river -600mm ✓
99. Muregi-Karugi culvert at Kangu river -600mm
100. Graveling Simon Muchiri-phithon Muchiri road- 0.5km
101. Graveling Waiti – Mugane road- 0.5km
102. Construction of seven boda boda sheds in Kamacharia ward. ✓

103. *Murraming Karugiro, Kigundu
 * Proj - Sch. to Mathiri Proj
 to Ngusyheria - and
 Githuwa Proj 3km*

Murraming

- 20. Grading of road from Kagwanja primary school-Thuruturu river-Wawairuko to Kamacharia 3kms ✓
- 21. Blasting of Rock on the road at Kagwanja primary school entrance. ✓
- 22. Murraming of road from tarmac road at Kariokor to Ugachiku Church to P.C.E.A church 2.5km. ✓
- 23. Road opening from Wamakenye Kariara River to Kairi shopping centre- 3kms.
- 24. Road murraming from Kieni-Kairi Primary School to Gachrago Coffee Factory - 3kms. ✓ *to Gitundu 1.5kms*
- 25. Road grading from Gitundu to Iruri shopping centre -2kms.
- 26. Road grading from Kairi shopping centre -Iruri round to Ngutha - 3kms
- 27. Road grading from Kairi to Riakibero Coffee Factory with Culvert at junction - 3kms
- 28. Road grading to John Kiriamiti-Mugi Runo -Iruri to Irigini - 3kms
- 29. Road grading from Gitundu to Kwa Muchina - 3kms
- 30. Construction of Iruri Boda Boda shed.
- 31. Fencing of Iruri Open Market
- 32. Levelling and murraming of Iruri open market and market access road.
- 33. Grading of access road to Riakibero Coffee Factory - 3kms.
- 34. Grading and murraming Iruri shopping centre frontages 600m2
- 35. Completion of A.P. Post House at Iruri -Fishing, doors and painting
- 36. Opening of Iruri shopping centre back lane around A.p post -0.5kms
- 37. Gravelling of Keni-Kamune Road-3kms. ✓
- 38. *Murraming* Grading and Gravelling Riakibero Coffee Factory-Kihoni Kabaituku Githima Road -4km ✓
- 39. Culvert Bridge at Riawangoru-River-600mm diameter ✓
- 40. Opening Kairi -Ndurumo -Riawangoru -Gaithinu Road 3km.
- 41. Kamune Catholic Church-Gathunu Primary school-Kambatuku road- 2km
- 42. Kamune Primary school-Iruri Road 3km
- 43. Kamune primary school-Gikui-Iruri Road 4kms
- 44. Kamune primary school-Iruri Road 3km
- 45. Gravelling Nyakamindi-Karenga-Kamindi road-Independent church-Kamune shopping centre-3kms
- 46. Gravelling Nyakamindi-Karenga -Kamindi road-4km

47. Graveling mugumoini-Wahundura road-2kms
48. Opening J.J primary school road-3km
49. Graveling Kibero-Ngamba primary school 2kms ✓
50. Graveling Gatango-Karenga - Kamacharia road-2kms
51. Graveling Kiria-Gachimbi-Kirungu road-6km ✓
52. Graveling Kiria-Rwarae river road-7km ✓
53. Graveling Iruri dispensary- Tikura- round Iririni road-6km ✓
54. Graveling Mugono-Klaguthu-junctions off mugono-Kiandundu-
Wakabai-Kigonda road-6kms
55. Graveling Kiiru house-soles road -Klaguthu road-4kms
56. Graveling Kahero-Thara-Thulta road-5kms
57. Graveling Gitundu-Ndurumo road-2kms
58. Graveling Ngechu-Gitwa Revelation Church road-1kms
59. Redeemed church-wamurigia-revelation church road-1kms
60. Graveling Iruri primary school-Wamburi residence-Kiagoot-Gitundu road 3kms
61. Graveling Mutiga- Gachanjaa -Kiiru road-1km
62. Graveling Wangehia-Daniel-Gikui river road-2kms
63. Graveling Daniel-Kariuki Gichuhi road-3km
64. Graveling Gathumbi-Jeneri Karuru road -1km
65. Graveling Rukiri-Mugono road-2km
66. Graveling Ngatia-Ndiaraa river road-1km
67. Graveling Maaisha kwawanjahi-Karugiro primary school-Karugiro factory-4km
68. Graveling Mwangi sila -Ndiara river road 1km
69. Graveling Karugiro factory-Wahome Kamanda-Gichimu-Gateru road 6km
70. Graveling Iruri shopping-Kamau Wanjau-Ichamari river road-1km
71. Graveling Wakamanda-Kirumi river road -0.5km
72. Graveling Geoffrey gakombe-Kirumi river road -2kms
73. Graveling Kinyanjui-Wamary-Kangu river-Ndegwa Gikonyo road-2km
74. Opening Murigitho-Ndege Walganjo road 0.5km
75. Opening Mwangi Sila- Geoffrey Gakombe road-0.5km
76. Opening Wajindo-Gathungu-Ichamaki river road- 1km
77. Opening Wakibra-Maina Njogu-Mugono river 0.5km
78. Opening Lazaro Ngari-Githenya Kimani road-2km