



PAPUA NEW GUINEA

# MARKHAM DISTRICT DEVELOPMENT PLAN 2023 - 2027



"Transforming Markham District through  
Strategic Infrastructure, Economic and Social Development"



MARKHAM

2019-21 DEVELOPMENT / 21-25



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# MARKHAM DISTRICT DEVELOPMENT PLAN 2023 - 2027

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*“Transforming Markham District through Strategic Infrastructure,  
Economic and Social Development”.*

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## ACRONYMS

<b>AIDS</b>	Acquired Immunodeficiency Syndrome	<b>KIK</b>	Kokonas Indastri Koporesen
<b>AMTDP</b>	Agriculture Medium Term Development Plan	<b>MDDP</b>	Markham District Development Plan
<b>CCDA</b>	Climate Change Development Authority	<b>MEL</b>	Monitoring, Evaluation & Learning
<b>CEFI</b>	Centre for Excellence in Financial Inclusions	<b>MSME</b>	Micro Small Medium Enterprise
<b>CEPA</b>	Conservation & Environment Protection Agency	<b>NARI</b>	National Agriculture Research Institute
<b>CHW</b>	Community Health Workers	<b>NID</b>	National Identification
<b>CIB</b>	Capital Investment Budget	<b>NSS</b>	National Strategy for Statistics
<b>CIC</b>	Coffee Industry Corporation	<b>PIP</b>	Public Investment Program
<b>CIR</b>	Civil & Identity Registry	<b>PNG DSP</b>	Papua New Guinea Development Strategic Plan
<b>DAL</b>	Department of Agriculture and Livestock	<b>PMRA</b>	Planning and Monitoring Responsibility Act
<b>DDA</b>	District Development Authority	<b>PSIP</b>	Provincial Service Improvement Program
<b>DfCDR</b>	Department for Community Development and Religion	<b>QEB</b>	Quarterly Economic Bulletin
<b>DHS</b>	Demographic and Health Survey	<b>REDD+</b>	Reducing Emissions from Deforestation and forest Degradation
<b>DHERST</b>	Department of Higher Education, Research, Science & Technology	<b>SDG</b>	Sustainable Development Goal
<b>DSPA</b>	District Strategic Priority Areas	<b>SEZ</b>	Special Economic Zone
<b>DIMS</b>	District Information Management System	<b>SIP</b>	Service Improvement Program
<b>DIP</b>	Deliberate Intervention Program	<b>SPA</b>	Strategic Priority Area
<b>DoE</b>	Department of Education	<b>StaRS</b>	Strategy for Responsible Sustainable Development
<b>DPLGA</b>	Department of Provincial and Local Level Government Affairs	<b>STEM</b>	Strategy for Responsible Sustainable Development Science, Technology, Engineering & Mathematics
<b>DSIP</b>	District Service Improvement Program	<b>TFF</b>	Tuition Fee Free
<b>ECE</b>	Early Childhood Education	<b>TVET</b>	Technical Vocational Education Training
<b>EMIS</b>	Education Management Information System	<b>WaSH</b>	Water Sanitation and Hygiene
<b>GDP</b>	Gross Domestic Product		
<b>GoPNG</b>	Government of Papua New Guinea		
<b>HDI</b>	Human Development Index		
<b>ICAC</b>	Independent Commission Against Corruption		
<b>ICT</b>	Information & Communication Technology		
<b>IFMS</b>	Integrated Financial Management System		
<b>ITCS</b>	Infrastructure Tax Credit Scheme		
<b>KCHL</b>	Kumul Consolidated Holdings Limited		



## FOREWORD BY MEMBER



As Member-elect for Markham District, I am proud to present the Markham District Five (5) Year Development Plan 2023-2027, themed; *“Transforming Markham District through Strategic Infrastructure, Economic and Social Development”*. It is a home-grown plan, specially micronized to suit our local aspirations and ambitions.

The theme recapitulates the district’s ambitions in alignment with the Medium-Term Development Plan four (MTDP-IV). The plan is strategically integrated as per the district sectoral planning with key focus on priority development aspects.

Markham District has endured so many socio-economic challenges caused by factors we strive to overcome in the last 47 years. The lessons learnt from the challenges have position us to make the necessary adjustment in our planning to improve service delivery, promote good governance and achieve economic stability.

Regardless of the challenges and barriers posed in our development pathway, we have strived to transform our great district to where it is now. The resilience and strength to overcome these challenges is a true testament of our drive and courage for transformation in a thriving democracy. With this drive going forward, we shall continue to overcome challenges of remoteness and accessibility by connecting every part of the district by road, air, telecommunication and e-government systems through one of the Governments signature policies, the *“Connect PNG program”*.

We have made great progress in the last 5 years, however to advance further in this competitive world, we will need strong leadership and partnership at all levels of our society. Being the political head of the district, I envisage a better future for the district, hence I will lead in the implementation of the District Development plan for transformation in our beloved district.

I envisage to transform Markham District to be self-reliant and to contribute to province and nation-building, be adequately educated and live healthy lives with basic amenities such as access to better roads, clean water and electricity provided. To achieve these, my administration will provide an enabling environment for these services to reach my people. We are now planning on building a continued relationship with our development partners, the National Government, Members of Parliament, the Private Sector, Churches, Non-Governmental Organizations (NGOs) and the people, as stipulated under the National Government Public Private Partnership Policy (2011).





*“Transforming Markham District through  
Strategic Infrastructure, Economic and  
Social Development”*

Our people will be given the recognition they deserve. We will address the disparity in resource distribution by providing adequate resources to build our economy and the service that our people require.

Finally, the delivery of our development plan is not the sole responsibility of the district but, is a shared responsibility of each and every one of us, including all our development partners, stakeholders, the private sector, civil society and NGO's. I encourage everyone of us to take ownership of our Plan as it is homegrown and reflects the aspiration and ambitions of the district in alignment with the provincial and the National government priorities. In doing so, we can build a greater Markham that secures the future of our generations to come.

With God, all things are possible. Let's all take ownership and be proud in our plan for the next 5 years.

May the Grace of the Almighty be upon Markham District and its people, May His Divine Wisdom and guidance be upon our Five-Year Development Plan and its implementation.

**Hon. Koni Iguan, OBE. MP**

Member for Markham District

Deputy Speaker of the National Parliament.



## ACKNOWLEDGEMENT BY CEO



*"Together, we can build a better future  
for our district and its residents. As  
the saying goes "United We Stand,  
Divided We Fall"*

As the District Administrator for the Markham District and Chief Executive Officer (CEO), Markham District Development Authority, I am humbled and honoured to be part of this Five-Year District Plan for the 2023 - 2027 plan formulation and documentation.

This plan document serves as a comprehensive roadmap for Markham district future development and growth starting 2023 - 2024 and going forward. It outlines the district goals and priorities, as well as strategies to achieve them. I am very humbled and satisfied the plan document is home grown without outside influence and expertise. It has been created after numerous extensive consultations and meetings with LLG Managers, Program Managers, public servants, community leaders, various stakeholders, and experts in various fields spearheaded by the National Member for Markham and Deputy Speaker of National Parliament, Hon. Koni K. Iguan.

The vision under this plan period for the district is to create a thriving and sustainable community that provides equal opportunities for all its residents of Markham District. Through the plan, we aimed to continue address key issues such as transport infrastructure development, education, healthcare, economic growth, and environmental sustainability.

I am committed to working closely with all the LLG Managers, Program Managers, Public Servants, Non-Government Organisation and stakeholders to harness, ensure the successful implementation of this plan and make Markham District a model for other district and communities.

Finally, at this juncture I am proud to once again say that, the plan is a home-grown document. In that regard, I am pleased and grateful to acknowledge my District Program Managers and the core plan team members who have tirelessly and sleeplessly worked day and night to put together writeups, editing and tidying up of the writeups to its final touches. The officers namely, Brendan Sanga, First secretary, Office of the Deputy Speaker of National Parliament, Michael Steven, District Officer In charge, Viti Oso, Coordinator Economic Sector, Secretariat, Solomon Jimangke, Infrastructure Coordinator/Engineer, Secretariat, Joel Gidisa, Coordinator Social Sector, Secretariat Charlie Ekari, Acting Administration Manager, District Finance



Manager, Lenny Saking, Waka Wayang, Special Project Officer for their undivided commitment.

Together, we can build a better future for our district and its residents. As the saying goes “United We Stand, Divided We Fall” God Bless.

Congratulations all.

Bohage Bebinaso  
**Chief Executive Officer**  
Markham District Development Authority



## EXECUTIVE SUMMARY

The Markham District Five Year Development Plan (MDDP), 2023 - 2027 is themed; *“Markham District Transformation Through Strategic Infrastructure, Economic and Social Development”*. The theme directly reflects the districts commitment in investing in the Districts Strategic Priority Areas (DSPA) to trigger transformation in all development sectors within the district.

It revisits the performance and the progress of the district in terms of efficiency and effectiveness in service delivery and its overall socio- economic development since the last planning periods, 2013 to 2017.

The plan is formulated to fulfil the requirement of the Organic Law on Provincial & Local Level Government (OLPG & LLG) 1997 under Section 33 A (d), in consistent with the National Executive Council (NEC) decision No, 40/2010 which directed the Department of National Planning to implement the alignment process in accordance with PNG Development Strategic Plan (DSP) 2010 - 2030, the Vision 2050 and the MTDP IV with overall goal of inclusive sustainable economic growth.

The plan captures development aspirations envisage under the Morobe Provincial Government KUNDU VISION 2048, the five major Policy Areas of the Morobe Provincial Government and the twelve (12) Special Priority Areas of the MTDP IV. The focus is shifted towards stimulating economic growth through increased investment in the economic sector.

It encourages our government and the people to be involved in economic activities that will enable progression towards financial autonomy whereas stimulating our development aspiration in pursuing tangible developments in all sectors. This plan integrates viable activities to achieve transformation in the socio-economic sector, infrastructure, quality health and education and ensures equitable distribution of services to all citizens of Markham.

The main key areas giving direction for the plan to be driven through include, Connect Markham Infrastructure Program, Good Governance & Management, Integral Human Development, Sustainable Economic Growth and Development, Rural Growth Centres for Development and National Functions, Networking, and Cross Cutting Issues. Aligning the plan with the MTDP IV enables effective, efficient and measurable progress that is compatible with all our development targets.

The cost of implementation for the plan is estimated at PGK200 million over the planning period. The anticipated funding envelopes comprise of the GoPNG Public Investment Program, MTDP IV Kina 4 Kina Program, District Support Improvement Program, Provincial Support Improvement Program, Development Partners and CSO's. Moreover, additional funding will be sourced from the foreign donor agencies to complement the Government funding.

The implementation of the plan is an enormous task and will involve collaborative and collective efforts of all the stakeholders in the private sector, the NGOs, CBOs, Stake actors and the line Government agencies to participate in the process with the District Administration and its programming sectors being the core implementing agencies.





# OUR FOUNDATION STATEMENTS



*"Transforming Markham District through Strategic Infrastructure, Economic and Social Development"*



## MISSION

'Creating opportunities for personal and provincial advancement through socio-economic growth, quality infrastructure, and ensuring equitable distribution of benefits in a secured environment for citizens'.



## VISION

'Markham will become a Prosperous, Healthy, educated and self-sufficient district'.



## GOAL

Sustainable Economic Growth, through feasible infrastructure, good governance and intergral human development.

MOROBÉ





Medium Term Development  
Plan IV 2023 - 2027

# Chapter 1

# Overview







# CHAPTER 1: OVERVIEW

## 1.1 Introduction

The Markham District Development Plan (MDDP) 2023 - 2027 is aligned to the Medium Term Development Plan IV under the regime of Hon. Koni Iguan, Member for Markham Open. The MDDP has fully adopted and localized the Strategic Priority Areas (SPAs) of the Medium Term Development Plan (MTDP) IV, 2023 - 2027 and the Provincial Deliberate Intervention Programs (DIPs).

Building from the lessons learnt from the implementation of the District Development Plan I, 2018 - 2022, the MDDP devises a new road map for socio-economic development with the theme ***'Markham District Transformation through Strategic Infrastructure, Economic and Social Development'***. This will ultimately contribute to the expected outcomes of the MTDP IV (2023 - 2027), PNG Development Strategic Plan 2010 - 2030 and the PNG Vision 2050.

The MDDP does not only take on the outstanding activities captured under MTDP IV but also introduces the concept of investment in strategic areas that will change the behaviour of the people through infrastructural development. The Deliberate Intervention Programs outlined in this Plan provides the key sectoral investment priorities that will boom socio-economic growth in the district. Connecting Markham District with road and utility infrastructures is crucial for service delivery and ultimately realizing improvement in the social and economic indicators. Fostering partnerships with the National Government, Provincial Administration, Development Partners, Private Sector and Civil Society Organizations who are key players for implementing the Markham District Development Plan.

### Methodology and Scope

The initiation in formulating the Markham District Development Plan (2023 - 2027) was top down and bottom-up planning approach. The DDA initiated engagement with the Department of National Planning and Monitoring for guidance and consulted the LLGs managers and other key stakeholders for reviewing the MDDP 2018 - 2022 and designing the MDDP 2023 - 2027. In localizing the SPAs at the District level, meetings and workshops were conducted for wider consultation to identify the baseline information and the Deliberate Intervention Programs/ Projects for the District to implement for the Medium Term. The DDA, LLG managers, sector heads and other key stakeholders based at the district were given the respective logical framework (log frame) which guided the collection of baseline data.

The local MP, Chairman of the DDA Board, District Administration's CEO and its members provided their progressive input in designing, formulating, and endorsing the plan for publication and implementation.





## 1.2 Structure of MDDP 2023 - 2027

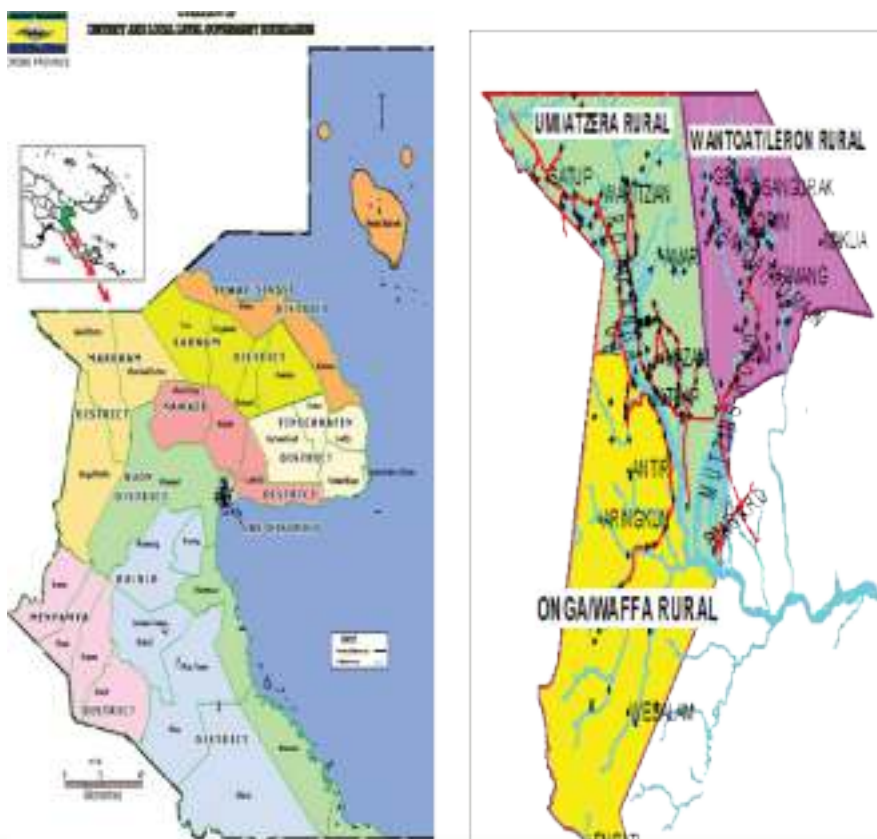
The MDDP 2023 - 2027 is developed in line with the Medium Term Development Plan IV, Minimum Priority Activities and National Service Delivery Framework (NSDF). The NSDF establishes the minimum standard of services required at different levels of service delivery centres including Provincial, District, LLG, Ward and Village levels. This plan considers appropriate services identified in the NSDF for each level of service delivery centre. The sector plans and districts' key projects capture services pertinent to the relevant level of communities. The NSDF will be effectively implemented through the establishment of function determinations using the Service Delivery Partnership Agreement.

The Minimum Priority Activities are the core activities of the government in the key development sectors. They are delivered to ensure that the government services are operating in the communities. The MPAs are mostly recurrent programs maintained and implemented through annual planning and budgeting. Markham District captures the MPAs in the MDDP 2023 - 2027 through its various sectors. The MPAs are part of the district 5-Year Development Plans

### 1.3 District Profile (Fact Sheet)

Markham District is one of the nine Districts of Morobe Province and is located approximately 80 kilometres west of Lae City, the industrial hub of Papua New Guinea. The District Headquarter is located at Mutzing station along the Okuk Highway. The district has a total population of 66,101 as per the 2011 population Census figures. It is considered to be one of the largest in the province, with the landmass accounting for 4,625 square kilometres. Population density is eleven persons per square kilometre.

### Figure 1. District and LLG Boundaries



Source: Morobe Provincial Development Plan 2018 - 2022





It is a vibrant and resource-rich region known for its agricultural prowess and breathtaking natural landscapes. The district, encompassing the fertile Markham Valley, thrives on agriculture, with coffee, cocoa, oil palm, and spices being the primary cash crops.

The district's favourable climate, fertile soils, and access to water sources make it a hub for agricultural production and livestock farming, particularly cattle and pig rearing. Markham District's scenic beauty, including rainforests, mountains, and rivers like the Markham River, offers opportunities for eco-tourism and outdoor activities.

The district also boasts significant mineral resources, attracting mining activities and contributing to its economic development. With improving infrastructure and essential amenities in the main town of Lae, Markham District strives for sustainable economic growth while preserving its natural environment and cultural heritage.

The district consists of three (3) Local Level Government (LLG) namely Umi/Atzera, Leron/Wantoat and Onga/Waffa with an estimated total population of 109,760 as per the 2021 population Census Estimate figures. It is considered to be one of the largest in the province, with the land mass accounting for 4,625 square kilometres. Population density is approximately twenty (23) persons per square kilometre.



Table 1 below shows the distribution of the wards, population, the land mass and the Population density of the three (3) Local Level Governments in the District.

LLG Area	No of Wards	Population	Land Area	Population Density
Umi-Atzera	30	66,894	1,616 km <sup>2</sup>	41 persons/km <sup>2</sup>
Leron-Wantoat	20	26,895	1,169 km <sup>2</sup>	23 persons/km <sup>2</sup>
Onga-Waffa	13	15,971	1,840 km <sup>2</sup>	8 persons/km <sup>2</sup>
Total	63	109,760	4,625 km <sup>2</sup>	23 persons/km <sup>2</sup>

### 1.3.1 Topography

The district is generally considered flat because of the famous Markham valley which connects to Ramu Valley. The valley is mostly savannah grass land that extends from the Leron Plains to the foot of Kassam Pass. It further extends to the Gusap River, which borders Madang Province. Parts of the Onga-Waffa LLG are located within the valley, while rest of its area and the Leron-Wantoat LLG area are located in the hinterlands with rugged terrains.

### 1.3.2 Administrative Boundaries

The district shares its internal administrative boundaries with Huon Gulf District to the East, Bulolo to the South East, Menyamya to the South and Kabwum to the North. The provincial boundaries are shared with Eastern Highlands, to the South West at the foot of Kassam Pass, and Madang to the West at the Gusap River.

### 1.3.3 Culture and Linguistic Boundary

The district comprises of eleven (11) originally distinct cultural and ethnical linguistic groups. The main culture in the district is the Markham, from which the name of the district derived from. The ethnic Markham People are part of the larger tribe known as the Lae Womba who have migrated out from the traditionally occupied region of the Markham Delta of Yalu and Wampit Areas and moved inland towards Gusap Plains.

They have established a cultural and linguistic dominion over the valley of Markham. This starts from Yalu-Munum, about 25km North East of Lae, and covering the entire Markham Valley, between the South East portions of the Finisterre and the North West part of the Sarawaged Rangers. The other groups are the Wantoat, and the Onga Waffa People who are of indigenous Melanesian stocks, sharing the similar cultures of the Nabak and the Mumeng, Menyamya and the Watut People of Bulolo District.



## 1.4 Development Framework

The *Planning and Monitoring Responsibility Act (PMRA) 2016* establishes five National Development Frameworks to guide socioeconomic development in the country. These provide for the planning, budgeting, service delivery, monitoring and evaluation, and coordination of development programs in the country. These frameworks support the implementation of the medium to long term development plans of the country.

### 1.4.1 Legal Framework

The *Legislative Framework* is necessary to give effect to policy objectives. Some of the policies prioritized in the MTDP IV, that are to be executed in the province and district level needs to be enforced by way of introducing new or revising existing legislations to ensure greater policy and structural reforms. These are made to achieve the desired development outcome. For economic activities to flourish, and businesses to grow, it has to be ensured that the policy solutions provide an enabling environment for the activities to eventuate and implemented to achieve its development output and outcomes.

### 1.4.2 Planning Framework

The *National Planning Framework* provides a clear development path and direction for the Government. PNG's sovereignty, independence and its development aspirations are envisioned in the National Constitution. This is also expressed in the aspirational goal set out in Vision 2050, the PNG Development Strategic Plan 2010 - 2030 and other development frameworks, and its international commitments to Sustainable Development Goals (SDGs).

### 1.4.3 Budget Framework

The *National Budget Framework* provides the policy structure to guide the formulation of the annual National Budget to implement the MTDP. This framework specifically links the Capital Investment Budget and MTDP to help achieve the development targets and goals.

### 1.4.4 Service Delivery Framework

Ensuring that National Minimum Service Standards are adhered to by all levels of Government is an important legislative requirement of the National Service Delivery Framework. This framework guides the design, programming, implementation and measurement of minimum services delivery for all levels of government.

### 1.4.5 Monitoring and Evaluation Framework

Measuring the performance of service delivery at National, Provincial and District levels require an efficient and effective Monitoring and Evaluation Framework (MEF). The MTDP IV MEF aims to achieve two things:

- i. Monitoring the implementation of public investment projects against their initial design and ensuring there is value for money, and “*return on investment*”;
- ii. Measuring the impact of the programs implemented under the MTDP IV and against the identified development of indicators.

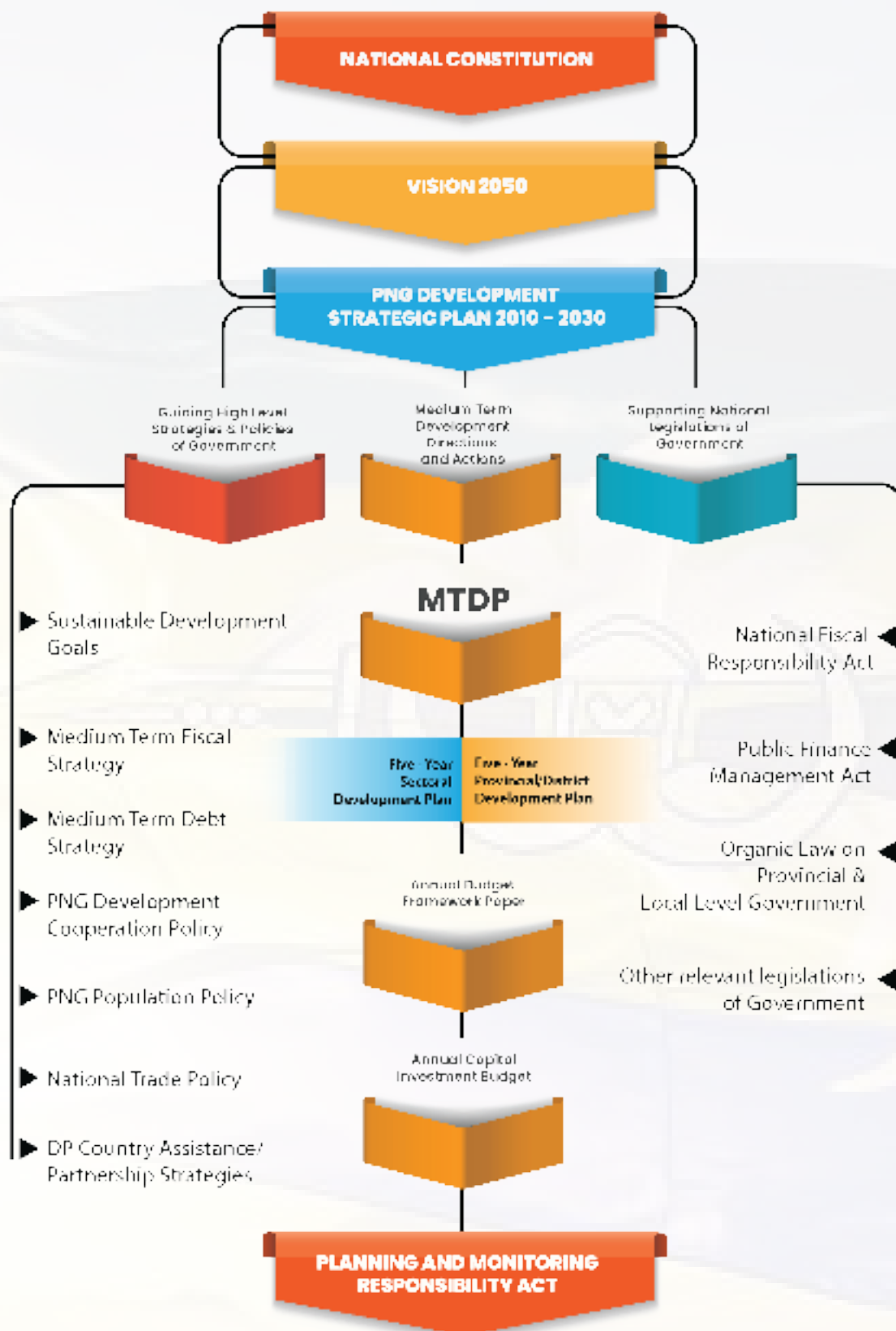
### 1.4.6 Partnership Framework

Forging strategic partnerships is important for the Government to deliver on its development plans. The Development Cooperation Partnership Framework provides guidance to the Government of PNG in engaging in cooperation with our Development Partners so as to align their support to the Government's development initiatives expressed in the MTDP IV.





Figure 2. National Development Planning Framework



Source: Medium Term Development Plan IV 2023 - 2027







Medium Term Development  
Plan IV 2023 - 2027

# Chapter 2

# **Development Status of the District**





## CHAPTER 2: DEVELOPMENT STATUS OF THE DISTRICT

Markham District unlike the other eight districts in Morobe Province, is strategically located along the Okuk Highway that links the five Highlands Provinces and Madang Province respectively. At that juncture, it is confronted with opportunities and threats that are coherent to development.

### 2.1 Economic Sector

A vibrant economic sector is all that needs to be enhanced in the district. There is great potential for organic coffee exports, mass rice production, expansion of cocoa and spices and the strengthening of Small and Medium Enterprises (SME). An absence of financial services is one of the challenges strangling the local efforts to participate and grow in the local economy.

### 2.2 Infrastructure Sector

A stretch of the Highlands Highway runs through the district and whilst this infrastructure has been given national attention, feeder roads within the district are in dire need for maintenance. There is a greater need for big investment in the road and bridge infrastructure in the district particularly in the Onga-Waffa, Leron-Wantoat and parts of Umi-Atzera. Utilities such as good and healthy water supply are also a huge need for the district.

Communication is still lacking in the district. While mobile phones have made communication easier in other places, most rural communities in the district do not have access. Radios and VHF still provide communication means during emergencies in the past but still is not efficient enough. There is also need to invest in the mobile and Information and Communication Technology (ICT) in the district.

### 2.2 Health Sector

There are two rural Health Centres; one at Mutzing and the other at Wantoat, which are supported by Aid Posts in certain villages. The Aid Posts are operated by both Government and the mainline Churches. Thirty-two of the Aid Post are operational while thirteen have been closed due to shortage of Community Health Workers (CHWs) due to retrenchment of the aging workers in the last ten 10 years. Malaria, Pneumonia and diarrhea in children less than 5 years of age continue to be the leading cause of Outpatient attendance in Markham district. Tuberculosis (TB), Pneumonia and Malaria continue to be the leading cause of deaths. Casualties and deaths resulting from motor vehicle accidents along the highlands highway are a major concern and burden to the existing facilities and manpower. Sexually Transmitted Infection (STI) and HIV AIDS are also on the rise making Markham as the high-risk district in the province due to the Highlands and Madang economic corridors.





## 2.3 Education Sector

Educational institutions also need timely resources allocation to maintain its level of services. Currently there is one Secondary School and two new High Schools which were recently opened in 2017 at Wantoat and Ragiampun. Ragiampun High School is co-funded by the Markham District and the Seventh Day Adventist Church under the church partnership programme. There is only one government run Technical Vocational Center, thirty-eight (38) Primary Schools and ninety-seven (97) Elementary Schools. With the introduction of the Standard Based Curriculum, more emphasis is required in developing infrastructure in all schools, its amenities and the facilities to accommodate the implementation of the new Curriculum.

## 2.4 Law and Justice Sector

The natural peace-loving attitude of the locals is reflected in the low rate of law-and-order problems in the district. Village court officials conduct mediation within the local communities. The police officers maintain peace in the district and attend to major incidents that happen along the Markham portion of the highland's highway. However, until recently a major crisis erupted in 2016 between two major tribes resulting in eleven deaths.

## 2.5 Administration and Public Service Governance

The District Government Station is located at Mutzing. Many of the buildings were built during the colonial administration. The District Administration has tried its best to maintain government services and facilitate development over the years. Social services provided to the people have declined over the years due to many obvious reasons.

The district administration is the governments implementing agent in the district. Many of the staffs are locals with few from other provinces serving in the district. The current administrative infrastructures or the working environment is not conducive lacking required resources and equipment.

## 2.6 Climate Change and Natural Environment

Cross cutting issues such as HIV/AIDS, Disability, Climate Change, and natural disasters have negative impacts on socio economic development in the district.

## 2.7 Population, Youths and Women

Community Development particularly women empowerment, youth and sports have also struggled in the district. Responsible Divisions within the administration have given their utmost best to provide guidance to mitigate the problems.



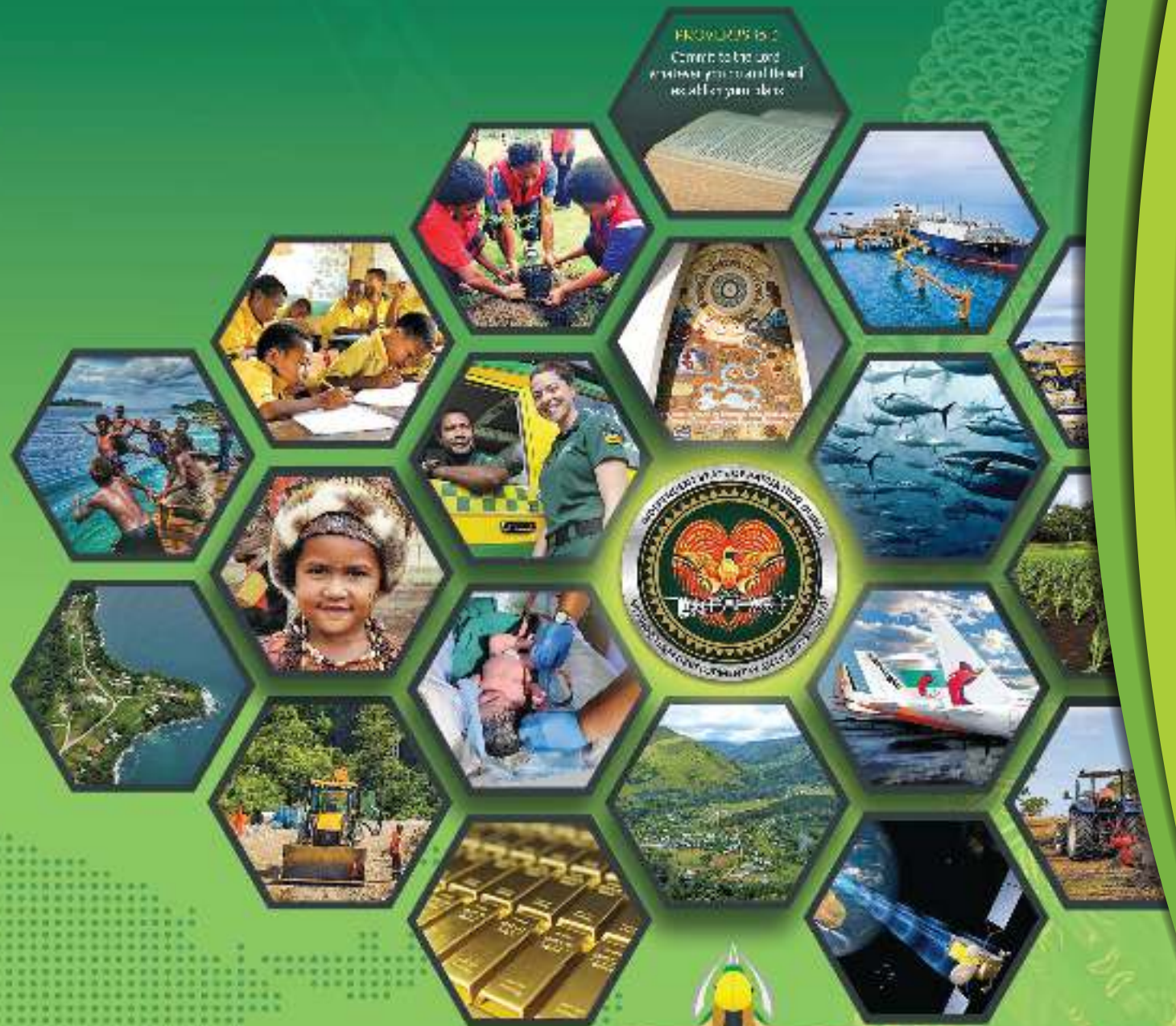




PAPUA NEW GUINEA

# MEDIUM TERM DEVELOPMENT PLAN | 2023 - 2027 |

PROVIDING  
Context to the land  
and water resources  
and all other plans





Medium Term Development  
Plan IV 2023 - 2027

# Chapter 3

# **Strategic Alignment to MTDP IV**





## CHAPTER 3: STRATEGIC ALIGNMENT TO MTDP IV

### 3.1 Objective of the Plan

The objective of MDDP 2023 - 2027 is to capture and provide the plans for development in the district for the next five years. This document will be used as a tool to attain resources and foster partnerships in service delivery to the people. The plan contains key economic and infrastructure projects/programs that will drive development in the district. It also takes into account the programs that will improve the welfare and livelihood of the people.

The MDDP 2023 - 2027 provides the platform to realize the 6 rolling 5-year implementation plans of the province and that of the Morobe Kundu Visio 2048. While setting new priorities for development, some of the key projects are rolled over from the last plan. Recurrent programs as integral to sustainable service delivery are part of this plan. Before setting the priorities, the plan reflects on the state of development in the province, and issues and challenges derailing development in the province. Accordingly, the plan sets the programs and projects as the way forward to address these issues and transform the livelihood of the people. It captures the national and provincial government priorities in this term of development.

### 3.2 District Logical framework

Figure 3. District Strategic Priority Areas (DSPA)



## DSPA 1 ROBUST ECONOMIC GROWTH

**Objective:** To improve, promote and create food security, nutrition, income and employment opportunities to the rural population through sustainable farming practices and economic development to meet local and international demands.

DSPA 1 outlines the broad-based investment strategies for the economic sector and specifies the deliberate interventions required to build a robust and resilient economy. Implementing the strategies will increase the district's GDP and create additional new jobs.

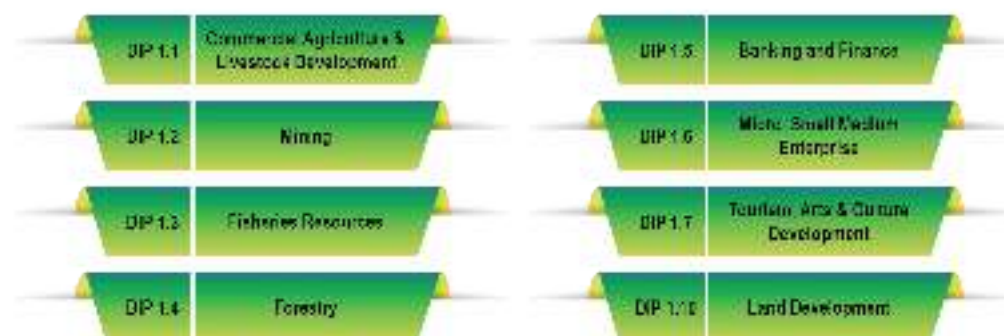
The district's focuses now in the sector to be smarter and innovative in increasing revenue, entrepreneurship and investment to realise the country's MTDP IV Objective *'To build a robust and resilient economy'*. Deliberate investments will be made in the agriculture and forestry, fisheries and mining, culture and tourism, downstream processing, MSMEs and land development.

The renewable resources sector (agriculture and fisheries) accounts for all the district's GDP and remains the main driver of the economy and provides the lifeline for over 90% of the district's population. On aggregate, the value of cocoa, oil palm, coffee and rice amounts to about PGK 24.732 million, which accounted for the district's total agricultural commodity crops sold in 2022.

Whilst the district records a positive revenue income from its commodity crops sales, costs of imported goods and other affordable services has increased imposing stress on the people. This in turn affects the living standards and impedes the overall performance of the local people.

Building on from the traditional sectors, the district plan will further strengthen and unleash potential of other sectors such as forestry, tourism, MSME and downstream processing and manufacturing. These sectors have the potential to increase revenue, create jobs and contribute to wealth creation.

The DIPs which the district will invest on includes:



An investment envelope of K15.589 million is needed to deliver these economic sector priorities. Various innovative financing modalities will be deployed with stakeholders and partners including the Government's own budgetary resources envelope.

**TABLE 1 INVESTMENT**

MTDP IV DIP Link	District Programs/ Projects	LLGs/ Wards	Annual Allocation (K'mil)					Total Est. costs (K'mil)	Funding Source(s)
			2023	2024	2025	2026	2027		
DIP 1.1	1. District Smallholder Oil Palm Development Program	All LLGS	0.13	0.37	0.47	0.55	0.20	1.72	DSIP, PSIP
	2. Oil Palm Customary Land Mobilization		0.02	0.02	0.02	0.02	0.02	0.10	DSIP, PSIP, PIP
	3. Oil Palm Feeder Roads Rehabilitation		0.03	0.03	0.04	0.03	0.02	0.150	DSIP
	4. District Coffee Development Program		0.02	0.07	0.07	0.07	0.07	0.300	DSIP, PSIP
	5. Coffee Freight Subsidy		0.020	0.020	0.020	0.020	0.020	0.100	DSIP, PSIP
	6. Coffee Processing Mill	Leron Wantoat	0	0.020	4.5	0.020	0.020	4.56	DSIP, PSIP, DP
	7. Coffee Pests and Diseases Intervention Programs	All LLGS	0	0.015	0.015	0.015	0.015	0.060	DSIP, PSIP, DP
	8. Coffee Feeder Road Rehabilitation		0.03	0.03	0.05	0.05	0.02	0.180	DSIP, PSIP
	9. Coffee Price Stabilization Program		0	0.200	0.200	0.200	0.200	0.08	DSIP,
	10. District Cocoa Development Programs		0.03	0.08	0.08	0.08	0.08	0.350	DSIP, PSIP
	11. Cocoa Downstream Processing and Value Adding		0.015	0.015	0.015	2.5	0.020	2.565	DSIP, PSIP
	12. Cocoa Pests & Diseases Intervention Programs		0.010	0.010	0.010	0.010	0.010	0.050	PIP
	13. Cocoa Commodity Road Rehabilitation		0.03	0.03	0.05	0.05	0.02	0.180	DSIP
	14. Cocoa Price Stabilization Program		0	0.200	0.200	0.200	0.200	0.800	DSIP
	15. Small scale Rice Development Program		0.025	0.025	0.025	0.025	0.025	0.125	DSIP, PSIP
	16. Small scale Maize Development Program		0.020	0.020	0.020	0.020	0.020	0.100	DSIP, PSIP
	17. Rice Milling Support Program		0.010	0.020	0.100	0.020	0.200	0.350	DSIP, PSIP
	18. Promote Development of Inland Fish Ponds Programs		0.01	0.01	0.01	0.01	0.01	0.050	DSIP
	19. Fingerlings Distribution Program		0.015	0.015	0.015	0.015	0.015	0.075	DSIP
DIP 1.11	20. Promote PPP to establish Cooling Facility		0.01	0.01	0.100	0.01	0.01	0.140	DSIP, NFA
DIP 1.1	21. Livestock Development Program		0	0.085	0.085	0.085	0.085	0.340	DSIP, LCA, PSIP, PIP
	22. Livestock Freight Subsidy		0	0.025	0.025	0.025	0.025	0.100	DSIP, LCA, PSIP, PIP
	23. Small Livestock Extension Program		0.020	0.020	0.020	0.020	0.020	0.100	DSIP, NAQIA





DIP 1.1	24. Promote Small Animal Health Pests & Diseases Intervention Program	All LLGs	0.020	0.020	0.020	0.020	0.020	0.100	DSIP, NAQIA
	25. Spices and Development Program		0.010	0.020	0.020	0.020	0.020	0.090	DSIP
	26. Vanilla Development Program		0.01	0.01	0.01	0.01	0.01	0.05	DSIP
	27. District Bulb Onion Development Program		0.015	0.015	0.015	0.015	0.015	0.075	DSIP, FPDA
DIP 1.2	28. District Mechanized Alluvial Mine Development Program	Onga Waffa LLG	0	0.100	0.200	0.250	0.500	1.05	DSIP, PSIP
DIP 1.4	29. District Balsa Wood Development Program	All LLGs	0	0.050	0.050	0.050	0.050	0.200	DSIP, MPG
DIP 1.6	30. Small & Medium Enterprises Development Programs		0	0.0385	0.0385	0.385	0.0385	0.154	DSIP, PSIP, SMEC
	31. Co-operative Societies		0	0.005	0.105	0.005	0.005	0.120	DSIP
DIP 11.4	32. Women’s Empower		0	0.009	0.105	0	0.004	0.118	DSIP, PSIP
DIP 1.7	33. Culture & Tourism Development Programs		0	0.01		0.01	0	0.02	DSIP, TPA
DIP 1.10	34. Customary Land ILG Registrations	4 LLGs	-	15,000	15,000	15,000	15,000	60,000	DSIP, PSIP
	35. Survey		-	10,000	10,000	10,000	10,000	40,000	DSIP, PSIP
	36. Voluntary Customary Land Registration			10,000	10,000	10,000	10,000	40,000	DSIP, PSIP
	37. Land Disputes		5,000	5,000	5,000	5,000	5,000	25,000	DSIP, PSIP
	38. Land Courts		-	20,000	-	20,000	5,000	45,000	DSIP, PSIP
	39. Land Court Referrals/Assessors		5,000	5,000	5,000	5,000	2,000	22,000	DSIP, PSIP
	40. Land Mediators/ POs Refreshers		10,000	10,000	-	5,000	10,000	35,000	VCLMS, DSIP, PSIP
	41. Various Land Management Programs		10,000	10,000	10,000	10,000	10,000	50,000	DSIP, PSIP
Total Investments			0.530	1.7025	6.7585	4.5435	2.0545	15.589	

**TABLE 2 MINIMUM SERVICE STANDARDS**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
<b>DIP 1.1</b>	1. Number of Oil Palm Blocks rehabilitated & maintained	-	10	10	10	10	MDDA, OPIC
	2. Number of Oil Palm seedlings distributed and planted	-	20,000	20,000	20,000	20,000	MDDA, OPIC
	3. Hectares of Land Mobilized (hect)	-	5	5	5	5	MDDA
	4. Oil Palm Roads Rehabilitated (km)	Oil Palm Roads Rehabilitated					MDDA, OPIC, DoWH
	5. Number of coffee trees Planted	-	25,000	30,000	35,000	40,000	MDDA, CIC



<b>DIP 1.1</b>	6. Number of coffee nursery established	-	4	4	4	4	MDDA, CIC
	7. Number of coffee trees rehabilitated	-	130,000	130,000	130,000	130,000	MDDA, CIC
	8. Construction of Leron Wantoat Coffee Mill	Leron Wantoat Coffee Mill constructed					MDDA CIC
	9. Number of Coffee extension Programs facilitated	-	2	2	2	2	MDDA CIC
	10. Number of Coffee Roads Rehabilitated (km)	All Coffee Feeder Roads Rehabilitated					MDDA, CIC, DoWH
	11. Number of bud wood gardens planted	-	1	1	1	0	MDDA, CCB
	12. Number of new hybrid clonal cocoa trees planted	-	20,000	20,000	20,000	20,000	MDDA, CCB
	13. Number of Cocoa nursery constructed	-	4	4	4	4	MDDA, CCB
	14. Number of Cocoa Roads Rehabilitated (km)	All Cocoa Feeder Roads Rehabilitated					MDDA, CCB, DoWH
	15. Number of cooperatives established & registered	-	3	3	3	3	MDDA, DCI
	16. Number of rice processing mills purchased and installed (Small Scale)	-	1	1	1	1	MDDA, DAL
	17. Number of maize farmers established	-	10	15	15	10	MDDA, DAL
	18. Total Hectares of Land used for small scale rice farming (000s)	10	12	15	18	20	MDDA, DLLP
	19. Number of extension services	-	2	2	2	2	MDDA, DAL
	20. Number of fingerlings distributed (50,000)	-	10,000	20,000	10,000	10,000	MDDA, NFA
	21. Number of new fish ponds constructed (15)	-	3	5	5	2	MDDA, NFA
	22. Number of Cooling facility constructed (1)	Cooling Facility constructed					MDDA, NFA
	23. Number of Extension Services conducted	2	2	2	2	2	MDDA, NFA
	24. Number New Cattle Ranch established and stocked	0	2	2	2	2	MDDA, MPG, Go-PNG, DPs
	25. Number of run-down cattle ranches rehabilitated and restocked	-	2	2	2	2	MDDA, MPG, Go-PNG, DPs
	26. Number of vessels providing transportation	-	1	1	1	1	MDDA, MPG
	27. 12 new vanilla farms established	-	3	3	3	3	MDDA
	28. 23 bulb onion farms established & planted	-	5	6	6	6	MDDA, FPDA
	29. Number of extension program	3	3	3	3	3	MDDA, FPDA
<b>DIP 1.2</b>	30. Number of Alluvial Mine Exploration Licenses issued, SML	-	-	-	1	-	MDDA, MRA
<b>DIP 1.4</b>	31. Number of Balsa woods nursery centres established	-	1	2	1	1	MDDA



<b>DIP 1.1</b>	32. Number of Balsa woods seedlings distributed and planted	-	20,000	20,000	25,000	30,000	MDDA
<b>DIP 1.6</b>	33. Number Financial Literacy Training conducted	-	4	4	4	4	MDDA, LLG
	34. Number of SME Registration Program conducted	-	2	2	2	2	MDDA, LLG
	35. Number of Digital Financial Services established	-	4	4	4	4	MDDA, LLG
	36. Number of Market facilitation/Linkage established	-	4	3	2	1	MDDA, LLG
	37. Number of Financial Literacy Trainings conducted for K92 Mining Women Los (8)	-	2	2	2	2	MDDA, LLG
	38. Number awareness and training conducted (16)	-	4	4	4	4	MDDA, LLG
	39. Number of MSME established (8)	-	4	0	4	0	MDDA, LLG
	40. Number Women's Co-operative established	-	2	2	0	0	MDDA, LLG
	41. Number of Women's Economic program conducted (1)	-	0	1	0	0	MDDA, LLG
<b>DIP 1.7</b>	42. Number of Marketing Tourism Product attended (4)	-	2	0	2	0	MDDA, LLG
<b>DIP 1.10</b>	43. Number Customary Land Converted under the Land tenures (16)	-	4	4	3	5	MDDA, MPG, DLPP
	44. Number of land surveyed and registered through Surveyor General (16)	-	4	4	3	5	MDDA, MPG, DLPP
	45. Number of Voluntarily Customary Land Registration Title lodged (VCLR) (16)	-	4	4	3	5	MDDA, MPG, DLPP
	46. Number of Land Disputes conducted (36)	5	10	10	7	4	MDDA, MPG, DLPP
<b>DIP 1.10</b>	47. Number of Provincial and Local Land Courts conducted	-	1	-	1	1	MDDA, MPG, MS, VCLMS, PLDC
	48. Number of Land Court Referrals/Assess (18)	2 Provincial & 3 Local Land Court Cases heard/Assist	1 Provincial & 3 Local Land Court Cases heard/Assist	2 Provincial & 2 Local Land Court Cases heard/Assist	3 Provincial & 1 Local Land Court Cases heard/Assist	1 Provincial & 1 Local Land Court Cases heard/Assist	MDDA, MPG, MS
	49. Number of Land Mediators/POs Refreshers conducted (5)	1x Provincial refresher Training	1x District refresher training	-	2x LLG refresher workshop	1x LLG Refresher workshop	MDDA, MPG, MS
	50. Various Land Management Programs	Operations	Operations	Operations	Operations	Operations	MDDA

**TABLE 3 STRATEGIES**

No		Implementation Strategies	Sector Policy/Plan Reference
Oil Palm			
1	Promote and increase Oil Palm development		MTDP IV, Nat. Agriculture Policy, MPG Kundu Vision, OPIC
2	Facilitate Village Oil Palm concept		
3	Promote rehabilitation of existing blocks		
4	Mobilization Land Owners to Register ILGs for Oil Palm development projects		
5	Upgrade existing Oil Palm Roads		
Coffee			
1	Promote trainings to improve and increase quantity and quality in coffee		MTDP IV, Nat. Agriculture Policy, Kundu Vision, CIC Policy, NAQIA Policy
2	Promote and subsidized Coffee freight costs		
3	Promote and support coffee Downstream Processing initiative or projects		
4	Establish coffee nurseries gardens supply seedlings to farmers		
5	Promote and Support Pests and Diseases Intervention Programs		
6	Upgrade existing coffee roads		
7	Facilitate Coffee price stabilization program		
Cocoa			
1	Improve and increase cocoa quantity and quality – Standard Size Cocoa Drier and Post-harvest awareness		Cocoa Industry Strategic Plan 2016-2025
2	Promote and support productive public private partnership in cocoa extension and research programs		
3	Establish clonal bud wood gardens, demonstration farms and nurseries		
4	Promote and support cocoa Downstream Processing initiative or projects		
5	Distribution cocoa seedlings to existing and new growers		
6	Upgrade existing cocoa roads program		
7	Facilitate Cocoa price stabilization program		
8	Promote and Support Pests and Diseases Intervention Programs		
Rice and Grains			
1	Promote partnership with private sectors to subsidizes costs in production through PPP engagements		Agriculture Medium Term Development Plan 2020 - 2022
2	Promote PPP arrangements in commercial rice production in Markham		
3	Promote smallholder and cooperatives in rice production		





4	Promote small scale maize production	
5	Promote and facilitate purchase of big rice mills	
Aquaculture		
1	Distribution of fingerlings to farmers	MTDP IV, National Agriculture MTDP, Kundu Vision
2	Promote and support fish ponds construction	
3	Promote and support extension services	
4	Establish breeding farms	
5	Promote and support PPP to establish cooling facility	
Livestock		
1	Improve and increase Livestock production	MTDP IV, Nat. Agriculture Policy, Kundu Vision, NAQIA Policy
2	Revive cattle production by restocking cattle hers	
3	Support freight subsidy program	
4	Promote and support small animal pest and disease intervention programs (Biosecurity)	
5	Encourage smallholder commercial piggery, sheep and goat production	
SPICES		
1	Promote and expand Vanilla Development Program	MTDP IV, Kundu Vision,
2	Promote Bulb Onion Development Program	
3	Supply Bulb onion seedlings to farmers	
Mining		
1	Promote and encourage Alluvial Mining	MTDP IV, Kundu Vision
2	Exploration and Development of other minerals and metals	
Forestry		
1	Promote development of Balsa Wood	MTDP IV Kundu Vision
Small to Medium Enterprises		
1	Promote and encourage Small and Medium Enterprises into Markham District Credit Scheme	MTDP IV, Kundu Vision 2012-2048, MDFIDP 2023-2027
2	Promote and establish Co-operative Societies	
3	Promote Women in Business Activities	
4	Promote and encourage MSME in the District	
Culture & Tourism		
1	Promoting and establishing Tourism activities	Kundu Vision 2012-2048, MDFYIDP 2023-2027



Customary Land Development Program		
1	Facilitate Land Disputes/Alternate Dispute Resolutions, Collect Data and Submit	DAAP, MTDP IV
2	Land Courts are fund in partner with the Magisterial Services and minimize the continue Markham district rising land cases at Court House	
3	Customary Land are certified through ILG, Surveyed and Titled in line with the Land Tenure Acts	
4	Facilitate Land Disputes/Alternate Dispute Resolutions, Collect Data and Submit	
5	Land Mediators and Patrol Officers are refresh Intune with the current Land Reforms and Land and Survey Acts (amendments)	
6	Strengthen stakeholders' partnership through coordination, planning and management	

Table 4 Indicator

Project Link	District Indicators	Source (s)	Baseline (2022)	Annual Targets				
				2023	2024	2025	2026	2027
Oil Palm								
1-3	1. Total oil palm production (Ton)	VOP Report	11800	12036	12277	12 488	12699	12910
	2. Value of oil palm sold (K)(mill)	VOP Report	7.6	7.7	7.8	7.9	8	8.1
	3. Land Used for Oil Palm Production in the District (hectares)	VOP Report	700	700	705	710	715	720
	4. Total kilometres of oil palm roads maintained (km)	DIMS	NA	Data to be collected				
Coffee								
6-9	5. Total Volume of Coffee Processed domestically (Ton GB)	CIC Report	76 000	77 000	77 500	78 000	78 500	79 000
	6. Total coffee sold value (K'mil)	CIC Report	3.50	4.00	4.50	5.00	5.50	6.00
	7. Total Kilometres of coffee roads rehabilitated	CIC Report	NA	Data to be collected				
	8. Total number of coffee buyers assisted with Coffee Price subsidy	CIC Report	0	1	4	4	4	4
Cocoa								
10-14	9. Number of cocoa Furmenties	DAL Report	765	800	850	855	900	950
	10. Number of clonal bud wood gardens	DAL Report	1	1	2	4	8	10
	11. Number of clone cocoa trees planted	DAL Report	136 000	140 000	160 000	180 000	200 000	220 000
	12. Total number of cocoa bags sold	DAL Report	25 000	40 000	50 000	55 000	60 000	65 000
	13. Total Cocoa value sold (K million)	DAL Report	16	18	20	22	24	26



	14. Total Kilometre of Cocoa Roads Rehabilitated (km)	DAL Report	NA	Data to be collected				
	15. Total Number of farmers assisted with Cocoa Price Subsidized	DAL Report	0	0	4	4	4	4
<b>Rice and Maize</b>								
15 -17	16. Total volume of Rice produced domestically (000 Tonnes)	Sector report	8 000	8 016	8 320	8 332	8 348	8 364
	17. Value of rice sold (Km)	Sector Reports	32 000	32060	32 120	32 180	32 240	32 300
	18. Total number of rice farmers	Sector Report	750	760	780	800	820	840
<b>Aquaculture</b>								
19-20	19. Number of fish ponds constructed	Sector Report	636	640	650	660	665	670
	20. Total number of fingerlings distributed	DAL Report	1 300	2 000	2 500	3 000	3 500	4 000
<b>Livestock</b>								
21-24	21. Total No. of cattle ranch in good condition restocked	DAL Report	2	2	4	6	8	10
	22. Total No. of run-down cattle ranch rehabilitated and revived	DAL Report	4	4	6	8	10	12
	23. Number of freights subsidized	DAL Report	0	2	2	3	4	2
	24. Total number of Biosecurity inspection and awareness conducted	DAL Report	0	5	6	7	6	5
	25. Total Number of Small Livestock farms revived and established	DAL Report	0	2	4	4	3	2
<b>SPICES</b>								
25-27	26. Number of bulb onion farmers established	DAL Report	3	7	14	21	28	35
	27. Number of Vanilla Farms established	Sector Report	250	260	270	280	290	300
	28. Number of vanilla blocks revived	DAL Report	0	5	20	25	30	35
<b>Mining</b>								
28	29. Total number of Mining consultative meetings with potential LO's	DIMS	1	3	3	6	6	3
<b>Forestry</b>								
29	30. Number of Balsa Trees planted	DAL Report	150 000	200 000	250 000	300 000	350 000	400 000
	31. Number of Balsa Tree farmers	DAL Report	3000	3200	3500	3600	3700	3750
<b>Small to Medium Enterprises</b>								
30-32	32. Number of SME registered	DIMS	4	0	1	2	3	4
	33. Number of registered SME accessing Digital Financial Service		4	0	1	1	1	1





Culture & Tourism								
33	34. Number of Tourism Destination registered in the district	DIMS	5		2	2	1	
Customary Land Development Program								
34-41	35. Provincial and Local Land Court Heard	DIMS/AAP/DLDP	2	-	1	-	1	1
	36. Number of ILG Registered, Surveyed and Titled through the Land Development Program	DIMS/ AAP/MDDAP/ DLDP	3	-	4	4	3	5
	37. Conduct Land Mediators and Patrol Officer Refresher Training	DIMS & AAP	1	1	1	-	2	1
	38. Number of Land Dispute Resolve/Data collated and compiled	DIMS & AAP	8	5	10	10	7	4
		District:	Markham District Development Authority (MDDA)					
		Supporting Agencies:	MPG, OPIC, CIC, DAL, DLPP, DDA, DOA, AND DNPM					





## DSPA 2 CONNECT MARKHAM INFRASTRUCTURE

**Objective:** Strengthen and upgrade critical district infrastructure to promote socio-economic growth.

The District's existing infrastructures has served the district well over the years but is now deteriorating to a point where more infrastructural investments are required to meet the utilization demands of the 109,760 population of the district. As such, the Markham DDA in this plan intends to connect Markham by undertaking the following in order to achieve socio-economic growth:

- i. Offer and improve basic and quality transportation infrastructure;
- ii. Improve and create reliable and affordable energy;
- iii. Improve accessibility to better telecommunication networks;
- iv. Provide access to clean and safe drinking water and sanitation;
- v. Improve urban growth centres;
- vi. Improve district housing.

In alignment with the National Government's Connect PNG Program, the Markham DDA's Priority Infrastructure Investments will be focused on the following Deliberate Intervention Programs:



The investment requirements, key activities, strategies, and development outcomes to increase and improve quality enabling infrastructure for Markham District are as shown in Tables 1 through 4 below.

The targets and Indicators of the above-mentioned DIPs will be accomplished through a collective effort from all the sectors under the Markham District Administration. Moreover, a good partnership with the Morobe Provincial Government and other state organizations like the Department of Works and Highways, Department of Transport, National Energy Authority, Water PNG Limited, Telikom PNG Limited, DataCo Limited, Public Private Partnership Center, and National Housing Corporation will be a way forward in achieving the plan.

A projected amount of 121.146 million kina will be required to deliver these infrastructure priorities by the year 2027.

**Table 1 Investments**

MTDP IV DIP Link	District Programs/ Projects	LLGs/Wards	Annual Allocation (K'mil)					Total Est. costs (K'mil)	Funding Source(s)
			2023	2024	2025	2026	2027		
DIP 2.1	1. Roads Construction Program	All LLGs	0.7	2.25	1.7	0.95	1.1	6.7	DSIP, PSIP, PIP, DPs, ITCS
	2. Roads Upgrade Program		1.7	11.23	8.201	9.645	10.975	41.751	
	3. District Bridges Program		0.3	4.55	3.5	3.5	7.5	19.35	
DIP 2.3	4. Airstrips Redevelopment Program	Umi, Atzera, Onga Waffa & Leron Wantoat LLG	0.09	0.09	1.09	2.09	3.09	6.45	DSIP, PSIP, PIP, DPs
DIP 2.4	5. Radio and TV Coverage	All LLGs		0.2	0.2	0.2	0.2	0.8	DSIP, PSIP, PIP, DPs
	6. Mobile Phone Network			0.3	0.3	0.3	0.3	1.2	
	7. Internet Access			0.1	0.1	0.1	0.1	0.4	
	8. Information Technology			0.1	0.1	0.1	0.1	0.4	
	9. Administration and Management			0.05	0.05	0.05	0.05	0.2	DSIP
DIP 2.5	10. Rural Electrification Rollout Program	Umi, Atzera, Onga Waffa, & Leron Wantoat LLG		5	5	-	-	10	DDG, DSIP, PSIP, PIP, DPs
	11. District Rural Electrification Distribution Program	Umi & Atzera LLG		3	2	2	1	8	
	12. District Electrification Rehabilitation Program	Umi & Atzera LLG	1	0.2	0.2	0.2	0.2	1.8	DDG, DSIP, PSIP, PIP, DPs
DIP 2.5	13. Mini Hydro Power Grid	Wantoat LLG		1	1			2	DDG, DSIP, PSIP, PIP, DPs
	14. Solar Power	DHQ		2				2	



<b>DIP 2.6</b>	15. Healthy Village Concept			1	1	1	1	4	DSIP, PSIP, PIP, DPs
	16. Community and School Water Projects			2	2	2	2	8	
	17. Water for Health Facilities			0.5	0.5	0.5	0.5	2	
	18. District Headquarter Water Projects			0.5	0.5	0.5	0.5	2	
	19. Maintenance of WaSH systems			0.5	0.5	0.5	0.5	2	
	20. Administration and Management			0.02	0.02	0.02	0.02	0.08	DSIP
<b>DIP 2.8</b>	21. New Atzera LLG Chamber/fencing /signboard	Umi/Atzera LLG	0.1	0.35	0.07	0.003	0.002	0.525	DSIP, PSIP, DPLG
	22. LLG Staff Houses /water supply/ workshop/Land scaping	Umi/Atzera LLG	0.1	0.3	0.3	0.01	0.015	0.725	
	23. Investigate Alienated State Land portions for district township and Growth Centres	4 LLGs	0.1	0.015	0.015	0.0015	0.0015	0.133	DSIP, PSIP, PIP
	24. Growth Centre/Education/Health Planning & sub division	All LLGs	0.1	0.02	0.02	0.002	0.002	0.144	
	25. Division Operations		0.1	0.01	0.01	0.001	0.001	0.122	DSIP, MPG Functional Grant
<b>DIP 1.6</b>	26. Financial Services establishment in Growth Centres	4 LLGs	0.1	0.02	0.02	0.002	0.002	0.144	DSIP, PSIP, PIP, DPLGA, DPs
<b>DIP 8.1</b>	27. Land Data Setup	Atzera LLG	0.1	0.06	0.06	0.002	-	0.222	DSIP/Provincial & LLG Affairs/DPLG
<b>Total Investments</b>			<b>4.49</b>	<b>35.365</b>	<b>28.456</b>	<b>23.6765</b>	<b>29.1585</b>	<b>121.146</b>	

**Table 2 Minimum Service Standards**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
<b>DIP 2.1</b>	1. Number of new road constructed (19)	2	6	5	3	3	MDDA, DoWH
	2. Number of Umi-Adzera LLG roads upgraded (26)	7	5	5	5	4	
	3. Number of Onga-Waffa LLG roads upgraded	0	3	2	1	2	
	4. Number of Leron-Wantoat LLG Roads upgraded (5)	0	2	2	2	2	
	5. Number of roads sealed	0	1	2	1	1	



DIP 2.1	6. Number of Umi-Adzera LLG bridges constructed (3)	0	3	0	0	0	MDDA, DoWH
	7. Number of Onga Waffa LLG bridges constructed (6)	1	2	1	1	1	
	8. Number of Leron Wantoat LLG bridges constructed (7)	2	1	2	1	1	
	9. Number of Footbridges Constructed (14)	2	5	3	3	1	
DIP 2.3	10. Number of district airstrips upgraded and made operational (3)	-	1	1	1	-	NAC, MDDA, MPG
DIP 2.4	11. Number of Discs installed	-	1	1	1	1	MDDA, MPG, DICT, NICTA, Digicel, Telikom, EMTV, NBC
	12. Number of telecommunication towers constructed (8)	-	2	2	2	2	
	13. Increased internet access in 4 LLGs	-	1	1	1	1	
	14. District Website Administrated and Created	Website created and accessible					
DIP 2.5	15. Service lines constructed (Watarais – Mutzing Station)	✓ Service lines constructed from Watarais to Umi ✓ Service lines constructed from Umi to Mutzing					PNG Power, MPG, MDDA
	16. Various T/Off power line constructed	-	2	2	2	2	
	17. Service Lines improved (Lae to Mutzing)	1	1	1	1	1	
	18. Wantoat Mini Hydro Grid constructed		1				
	19. Solar Power installed (New District Office & District Rural Hospital)	Solar Power installed in New District Office and District Rural Hospital					
	20. Solar Electricity Farm established	Solar Electricity Farm Established					MDDA, MPG, DPs
DIP 2.6	21. Number of WaSH facilities for villages established	-	9	6	4	5	MDDA, MPG, WaSH Authority
	22. Number of water supply systems for Schools and Community	-	4	4	4	4	
	23. Number of water supply systems for Health facilities	-	1	1	1	1	
		24. Rehabilitated and maintained existing water supply and sanitation systems	Existing Water Supply & Sanitation Rehabilitated and maintained				
DIP 2.7	25. New District Administration Office (Completion & Landscaping)	District Administration Completed					MDDA, MPG, PIP





DIP 2.7	26. Number of VSAT installed (ICT & Networking)	1	1	1	1	1	MDDA, MPG, PIP
	27. Number of staff houses constructed (20)		5	5	5	5	
	28. Number of district and LLG staff houses maintained	-	5	5	5	5	
DIP 2.8	29. Land acquisition and construction of 1 New Atzera LLG chamber, fencing and sign board	✓ Land acquired & new Atzera chamber constructed ✓ Area fencing and LLG signboard constructed ✓ Portion zoning to 8 housing Allotments					MDDA, MPG, DPLG
	30. Number of LLG staff houses constructed for Atzera LLG	-	2	3	1	-	
	31. Atzera water supply, workshop and landscaping constructed/ established	✓ Atzera Water Supply constructed ✓ Workshop constructed ✓ Land scapping conducted					
	32. Number of Alienated State Land portions identified for Public/Private & Government Developments	1042 Umi Township State Land Allotments re-investigate and submit report to relevant authorities for investment purposes	Mutzing Urban class 3 Govern-ment Station Investigate with 4 LLGs and submit report to DDA for further planning and rezoning	No. of Primary Schools status recommended investigate & reports submit DEM, MDDA, Provincial Edu-cation Authorities for Planning & Acquisition	No. of Health Centers /Aid posts status recommended investigate & reports submit DHA, MDDA, Health Authority for planning and Acquisition	Identify No. of dispute free land portions for Acquisition and Investment purpose for Edu-cation, Health & Public use	
	33. Town and Growth Centers Planning & sub division	-	No of portion rezone & allot-ment created for Mutzing & 4 LLG	No of Primary school's plan	No of Health Centers and Aid posts plan	No of secured customary land plan	
	34. Lands Division Management	✓					
DIP 1.6	35. Financial services established	Financial Services Established in the District					MDDA, MPG, DPLLGA
DIP 1.8	36. Land Data Bank established	Land Data Bank established and operational					MDDA, MPG, DLPP



**Table 3 Strategy**

No	Implementation Strategies	Sector Policy/Plan Reference
DIP 2.1: Connect PNG – Road Transport		
1	Improve all district road networks	MTDP IV 2023 - 2027, Connect PNG Policy, MIDP, Kundu Vision 2048
2	Improve all bridges	MTDP IV 2023 - 2027, Connect PNG Policy, MIDP, Kundu Vision 2048
3	Construct new footbridges	MTDP IV 2023 - 2027, Connect PNG Policy, MIDP, Kundu Vision 2048
4	Foster partnerships to construct and upgrade district road networks and bridges	MTDP IV 2023 - 2027, Connect PNG Policy, MIDP, Kundu Vision 2048
DIP 2.3: CONNECT PNG – RURAL AIRSTIPS		
1	Upgrade and maintenance of airstrips	MTDP IV 2023 - 2027, Connect PNG Policy, MIDP, Kundu Vision 2048
DIP 2.4: Connect PNG - Telecommunication and ICT connectivity		
1	Increase media (radio/TV/Internet) coverage in remote areas.	PNG Digital Government Plan 2023 - 2027
2	Increase and strengthen mobile phone network coverage/signals	
DIP 2.5: CONNECT PNG – RURAL ELECTRICITY		
1	Improve reliable electricity in the district	MTDP IV 2023 - 2027, Connect PNG Policy, Kundu Vision 2048, National Energy Policy
DIP 2.6 Connect PNG - Water and Sanitation Hygiene (WaSH)		
1	Construct new water supply systems for villages (Healthy Island Villages Concept)	WaSH Policy, Kundu Vision 2048
2	Provide improved water supply systems for educational and health establishment and facilities	
3	Improve Sanitation in the District	
4	Rehabilitate and maintain existing water and sanitation systems and facilities	
DIP 2.7: CONNECT PNG – RURAL DISTRICT HOUSING		
1	Construct and maintain District and LLG Buildings	MTDP IV 2023 - 2027, Connect PNG Policy, NHC Policy, Kundu Vision 2048
2	Provide accessibility to ICT & Networking	MTDP IV 2023 - 2027, Connect PNG Policy, Kundu Vision 2048
DIP 2.8 Connect PNG Urban Town District Growth Centre Programs		
1	Establish new Atzera LLG	DAAP, MTDP IV 2023-2027, Kundu Vision 2048
2	Strengthen stakeholders’ partnership through coordination, planning and management	
3	Identify alienated land for government/private development	
4	Acquire dispute free customary land portions for development	
5	Establish land bank database	



Table 4 Indicator

Project Link	District Indicators	Source (s)	Baseline (2022)	Annual Targets				
				2023	2024	2025	2026	2027
DIP 2.1: Connect Markham - Road Transport								
1-3	1. Total length of District Roads in good Traffic condition (km)	DIMS	284	290	305	320	335	344
	2. Total number of sealed roads	DIMS	1	2	5	9	14	14
	3. Number of Bridges constructed	DIMS	14	3	9	12	14	16
	4. Number of Footbridges constructed	DIMS	6	2	7	10	13	14
DIP 2.3: Connect Markham - Air Transport								
4	5. Number of Airstrip maintained and upgraded	NAC Inspection Report, DIMS	3	3	3	3	3	3
DIP 2.4: Connect Markham - Telecommunication and ICT connectivity								
5-9	6. Proportion of media coverage for radio AM/FM (%)	DIMS	20	20	30	40	50	60
	7. Total land area of EMTV Coverage (km radius)	DIMS	50	150	300	500	700	1,000
	8. Proportion of population having access to telecommunication services (%)	DIMS	20	20	30	40	50	60
DIP 2.5: Connect Markham - Rural Electricity Roll-Out								
10-14	9. Number of Wards having excess to electricity	PPL Report, DIMS	NA		3	3	3	3
	10. Total length of service line parameters maintained and improved (km)	PNG Power Report, DIMS	NA		5	5	5	5
	11. District Office and Rural District Hospital connected to Solar Energy (volts)	DIMS	NA		240			
	12. Solar Farm	DIMS	NA		1			
DIP 2.6 Connect Markham - Water and Sanitation Hygiene (WaSH)								
15-20	13. Percentages of villages having access to reliable water source (%)	DIMS	40	50	60	70	80	90
	14. Percentages of education institutions with reliable water source (%)	DIMS	25	30	35	40	45	50
	15. Percentages of health facilities having access to reliable water source sanitation system (%)	DIMS	30	35	40	45	50	55
	16. Proportion of district staff houses having access to improved (%)	DIMS	50	55	60	65	70	75
DIP 2.7 Connect Markham - Housing								
	17. Number of new buildings constructed	DIMS	0	2	9	5	5	5





21-22	18. Proportion of District Buildings maintained (%)	DIMS	NA	50	60	70	80	90
	19. Percentage of District population having access to ICT & Networking (%)	DIMS	NA	50	60	70	80	90
<b>DIP 2.8 Connect Markham - District Growth Centre</b>								
23-27	20. Number of Alienated land Investigate/Ready for Investment	DIMS	1,042	1,042	1,044	1,046	1,048	1,050
	21. Customary Land Acquisition for new Atzera LLG establishment and LLG Staff House Construction/Improvements	DIMS	-	1	2	4	9	2
	22. Number of Un-Alienated land identified and acquired for public and government use	DIMS	21	-	22	24	25	26
	23. Container Laydown Area (ha)	DIMS		-	10	-	-	-
		<b>District</b>	<b>Markham District Development Authority</b>					
		<b>Supporting Agencies</b>	MPG, DoWH, DLPP, DICT, PPL, WaSH Authority, NICTA, DataCo, Digicel, Bemobile, Telikom, EMTV, NBC, Dept of Transport, National Energy Authority, Water PNG, NHC, All LLGs					





## DSPA 3 QUALITY AND AFFORDABLE HEALTH CARE

**Objective:** Achieve Quality, Affordable and easily Accessible Health Care.

The health sector depends entirely on data for performance assessment, monitoring of indicators and of paramount significance is for planning purpose. Data used for analysis may not present a true picture of the health status in the district as these data is only for those who present to the health facilities. Data for those who get sick but don't present at a health facility or even die outside a health facility are not included in this analysis. Simple cough, malaria, skin diseases, Pneumonia in children, diarrhea and respiratory illness among adults continue to be the leading causes of people presenting to health facilities. Apart from normal labour, the leading causes of admissions to health centres are again malaria, pneumonia in children under five years, respiratory illness among adults, accidents and injuries, diarrhoea, and neonatal sepsis. Accident and injuries resulting from Motor Vehicle accidents has had a declining trend over the past years. HIV AIDS and Lifestyle diseases such as Ischaemic heart conditions, hypertension and cancer were never among the common causes of admission in the past but are now noted to pop up among the causes of in-patient care according to the 2022 data.

Apart from the usual causes of deaths such as pneumonia in children, respiratory illness among adults, meningitis, TB and neonatal sepsis, Non-Communicable Diseases (NCDs) such as hypertension, diabetes, cancer conditions and cancer appear to be among the causes of deaths. A huge decline is noted in malaria and pneumonia deaths even though these two (2) conditions are prominently the leading causes of admissions. Health Infrastructure, in terms of health facility buildings and staff houses face deteriorating stages. The merging of the public health sector with Angau Hospital as one entity under the Morobe Provincial Health Authority as from 2019 affected the budgetary allocation of the annual district functional grant to all the districts in Morobe Province including Markham. That funding withdrawal alone affected the routine operations of the health sector in a big way.

More than 30% of aid posts are non-functional due to no infrastructure and no health workers (CHWs) to man them. The inability to recruit adequate and appropriately skilled health personnel also affects the quality of care provided to the people.

An investment of K11.63 million is required to fully execute the DIPS



**Table 1 Investment**

MTDP IV DIP Link		District Programs/ Projects	LLGs/ Wards	Annual Allocation (K'mil)					Total Est. costs (K'mil)	Funding Source(s)
				2023	2024	2025	2026	2027		
3.1	1.	Village Health Volunteer Training Program	ALL LLGs	0.05	0.05	0.05	0.05	0.05	0.25	LLGSIP, DSIP, PSIP, PIP, PPP, DPs
	2.	Healthy Island Concept		0.005	0.005	0.005	0.005	0.005	0.025	
	3.	Health Committee Establishment		0	0.1	0	0	0	0.1	
	4.	Partnership Strengthening Program		0.1	0.1	0.1	0.1	0.1	0.5	
	5.	Service users planning and delivery of health services – Social Accountability Program		0.005	0.005	0.005	0.005	0.005	0.02	
	6.	Integrated Heath Patrol		0.04	0.04	0.04	0.04	0.04	0.2	
	7.	Disease Control Surveillance and Awareness Program		0.03	0.03	0.03	0.03	0.03	0.15	
3.2	8.	MoPHA Outreach Clinic - Angau Team		0.1	0.1	0.1	0.1	0.5	0.9	DSIP, PSIP
	9.	Mutzing Rural Hospital Specialist Medical Program		0.2	0.2	0.2	0.2	0.2	1	DSIP, PSIP, PIP
3.3	10.	Aid Post Construction Program		0.75	1	1	1	1	4.75	LLGSIP, DSIP, PSIP, PIP, PPP, DPs
	11.	Aid Post Maintenance Program		0.15	0.1	0.1	0.1	0.1	0.55	
	12.	Aid Post Upgrade Program		1		1		1	3	
3.4	13.	CHW Training		0.018	0.018	0.018	0.018	0.018	0.09	
	14.	CHWs Capacity Building Program		0.02	0.02	0.02	0.02	0.02	0.1	
				Total Investments					11.635	

**Table 2 Minimum Service Standards**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
DIP 3.1	1. Number of Viv's trained	30	30	30	30	30	MDDA, MPG, MoPHA, NDoH
	2. Number of healthy island settings established	2	3	3	3	3	
	3. Number of health committees established	6	6	6	6	6	
	4. Number of NGO partnership maintained.	4	4	4	4	4	
	5. Number of health facilities with social accountability initiatives established	6	6	6	6	6	
	6. Number of integrated health patrols conducted	16	16	16	16	16	



	7. Number of Disease Control Programs carried out. - TB, HIV AIDS, Malaria, COVID 19, Disease Surveillance, communicable and non-communicable diseases	30	30	30	30	30	MDDA, MPG, MoPHA, NDoH
DIP 3.2	8. Cervical cancer testing unit established at the district hospital.	0	0	0	1	0	
	9. Medical equipment and drugs procured	1	1	1	1	1	
DIP 3.3	10. Cervical cancer testing unit established at the district hospital.	0	0	0	1	0	
	11. Medical equipment and drugs purchased	1	1	1	1	1	
	12. Number of clinical visits made by the Provincial Health Authority team	10	10	10	10	10	
DIP 3.4	13. Number In- service training conducted (per LLG)	3	3	3	3	3	
	14. Number of CHW trained	5	5	5	5	5	

Table 3 Strategy

No	Implementation Strategies	Sector Policy/Plan Reference
1	Healthier communities through Effective Community Engagement	National Health Plan 2021 – 2030
2	Working together in partnership with Partners and communities	National Health Plan 2021 – 2030
3	Increase access to quality and affordable health services	National Health Plan 2021 – 2030
4	Increase access to quality and affordable health services	National Health Plan 2021 – 2030
5	Address disease burdens and targeted health problems	National Health Plan 2021 – 2030
6	Increase access to quality and affordable health services	National Health Plan 2021 – 2030
7	Address disease burdens and targeted health problems	National Health Plan 2021 – 2030
8	Provision of knowledge upgrading and skills development Training	National Health Plan 2021 - 2030
9	Increase in Medical resourcing and skilled human resource in the district	National Health Plan 2021 - 2030

Table 4 Indicator

Project Link	District Indicators	Source (s)	Baseline (2022)	Annual Targets				
				2023	2024	2025	2026	2027
1-14	Increase Immunization coverage > 80%	NHIS, DIMS	41	50	60	70	80	90
	Reduce malaria incidence to 102/1000		230	200	170	150	100	102
	Reduce diarrhoea incidence to < 48/1000 (%)		73	68	62	57	52	48
	Reduce infant mortality to 9/1000 (%)		33	30	25	20	15	9





1-14	Reduce morbidity and mortality due Non-Communicable Disease by 50%	NHIS, DIMS	4	3.50	3	2.50	2	2
	Reduce morbidity and mortality due to communicable diseases by 50%		11.50	10	9	8	7	6
	Reduce morbidity and mortality due Non-Communicable Disease by 50%		4	3.50	3	2.50	2	2
	Reduce morbidity and mortality due to communicable diseases by 50%		11.50	10	9	8	7	6
	Proportion of skilled human resource trained (%)		47	49	51	53	55	57
	Number of health workers per population		1	3	5	7	9	11
District		Markham District Development Authority						
Supporting Agencies		NDoH, MPG, MoPHA, Angau Memorial, DPs						





## DSPA 4 QUALITY EDUCATION AND SKILLS DEVELOPMENT

**Objective:** Endurance and Commitment towards sustaining Basic Quality Education.

Education remains central in any development aspirations and a driving factor in alleviating our population from forms of underlying social oppressions prevalent in our society. The National Education Policy (2020-2029) and the Higher and Technical Education Strategic Implementation Plan (2017-2038) embrace the significance of building a sustainable quality education that begins at early childhood level. That hypothesizes the foundation for a skilled human capital hence the undertaking now is all children will need to develop their social, cognitive, cultural, emotional and physical attributes during the early childhood phase to prepare them for post-secondary education, employment and other equally fulfilling pursuits, such as sports and entrepreneurship.

Consistent with the afore mentioned, the Markham District Division of Education committed itself to delivering yet again quality education for the children of Markham for the next five years embracing previous experiences to sustain its desire to underpin the hypothesis that quality education is not a destination to reach but a process that must be maintained and managed for continual results generation. The focus it anticipates undertaking in the next five-year term consists of two sectoral strategic priority areas and six deliberate intervention programs which further translated into twenty-one key result areas and thirteen indicators. The main areas of concentration are decent infrastructure, effective teacher training, and effective curriculum implementation, physical and spiritual development. The plan is designed to continue improving accessibility and retention from primary to high school and developed in collaboration with stakeholders and partners especially the three Local Level Government Councils and the Political Office who are essentially vital in its achievement. Their support has been equally imperative in the provision of education services and together the determination to achieve basic quality education for the children of Markham continues to be the prime objective of education sector for the next five years.

An investment of K37.3 million will required to fully execute the DIPS under the Education sector.



**Table 1 Investment**

MTDP IV DIP Link	District Programs/ Projects	LLGs/Wards	Annual Allocation (K'mil)					Total Est. Costs (K'mil)	Funding Source(s)
			2023	2024	2025	2026	2027		
DIP 4.1	1. Early childhood Education Infrastructure Program	All LLGs	1.0	1.0	1.0	1.0	1.0	5.0	DSIP, PSIP, PIP, PPP, DPs
	2. SBE ECE In-Service Program		0.5	0.5	0.5	0.5	0.5	2.5	DSIP, PSIP, PIP
DIP 4.2	3. Education infrastructure development		5	5.3	5.1	5.5	3.3	24.2	DSIP, PSIP, PIP, PPP, DPs
	4. Land mobilization and acquisition		0.12	0.12	0.12	0.12	0.12	0.6	DSIP, PSIP, PIP
	5. SBE Teacher In-Service Program		0.5	0.5	0.5	0.5	0.5	2.5	DSIP, PSIP, PIP
DIP 4.5	6. District scholarship program		0.5	0.5	0.5	0.5	0.5	2.5	DSIP
Total Investments								37.3	

**Table 2 Minimum Service Standards**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
DIP 4.1	1. Number of early childhood centres upgraded	20	20	20	20	20	NDoE, MPG, MDDA
	2. Number of In-Service Conducted on SBC ECE	1	1	1	1	1	NDoE, MPG, MDDA
DIP 4.2	3. Number of new junior high schools established	-	2	2	2	0	MPG, MDDA, NDoE
	4. Number of new classrooms built	-	2	2	2	0	MPG, MDDA, NDoE
	5. Number of new Teacher's house constructed	-	8	8	8	4	MPG, MDDA, NDoE
	6. Number of new specialist buildings constructed	-	1	1	1	0	MPG, MDDA, DPs
	7. Number of new messing facility constructed	1	0	0	0	0	MPG, MDDA
	8. Number of new fencing facility	-	0	0	1	1	MPG, MDDA
	9. Land acquired for FODE and DODL centre	-	0	1	0	0	MPG, MDDA, DLPP
	10. Number of In-Service Conducted on SBC	1	1	1	1	1	NDoE, MPG, MDDA
DIP 4.5	11. Number of Teacher Colleague graduates registered with TSC and employed in the education sector	320	330	340	350	360	MPG, MDDA, TSC

**Table 3 Strategy**

No	Implementation Strategies	Sector Policy/Plan Reference
1	Improve school infrastructure	National Education Policy 2020 – 2029



2	Improve education sector Governance	National Education Policy 2020 – 2029
3	Improve School Management and financial accountability	National Education Policy 2020 – 2029
4	Improve monitoring, evaluation and capacity building	National Education Policy 2020 – 2029
5	Establish new educational Institutions	National Education Policy 2020 – 2029
6	Improve professional human resource development	National Education Policy 2020 – 2029
7	Improve school infrastructure	National Education Policy 2020 – 2029
8	Facilitate intervention Programme	National Education Policy 2020 – 2029
9	Achieve schools' land mobilization and acquisition	National Education Policy 2020 – 2029
10	Enhance capacity development for teachers, trainers and support staff from ECE, lower Secondary, Upper Secondary and FODE	National Education Policy 2020 – 2029

**Table 4** Indicator

Project Link	District Indicators	Source (s)	Baseline (2022)	Annual Targets				
				2023	2024	2025	2026	2027
1-2	1. Upgrade of early childhood learning centres	EMIS, DIMS	20	25	30	35	40	45
	2. Elementary teachers are in-serviced in SBC ECE Syllabus/Curriculum		60	70	80	90	100	110
1-5	3. Establishment of new Junior High Schools		3	0	2	2	2	0
	4. New high school construction -progressive		0	1	0	0	0	0
	5. Construction of classrooms infrastructure		87	0	95	103	121	129
	6. Construction of new teachers houses		75	0	79	83	87	91
	7. Construction of new Specialize building		20	22	24	26	28	30
6	8. Proportion of teacher graduates admitted into teaching workforce	TSC Rep, DIMS	20	30	40	50	60	70
District		Markham District Development Authority						
Supporting Agencies		MPG, NDoE, DP, All LLGs						





## DSPA 5 LAW AND JUSTICE EMPOWERMENT

**Objective:** Ensure a safe, secure and stable environment for all citizens, visitors, communities and businesses to conduct their affairs freely through effective policing, public safety, crime prevention, restorative justice, improved justice systems, promote community peace and capacity for an effective delivery of justice services.

Markham District continue to experience challenges in effectively delivering law and justices services to its people. This is hindered by capacity issues such as infrastructure, logistical and manpower. Some of these problems include insufficient police personnel, police housing, stations, rural posts, lack of mediations facilities and village court officials in the district.

Below is a summarized listing of intervention the district administration will implement to address some of the issues and enhance effective delivery of rule of law and justice in the district.

1. Recruit and train new police officers;
2. Build new Police accommodations
3. Expand police numbers, including strengthening the auxiliary and reservist police;
4. Provide adequate logistic support to police;
5. Build mediation facilities and establish community peace and good order committees in each LLGs
6. Strengthened the capacities of police and village court officials;
7. Establish police rural posts;
8. Support District court facilities
9. Expand rural lock-ups in the district

The investment plan for providing rule of law and justice is estimated at K9.325 million. The logical framework outlines the detail investments, deliverables and strategies in achieving the indicators under DSPA 5.





**Table 1 Investment**

MTDP IV DIP Link	District Programs/ Projects	LLGs/Wards	Annual Allocation (K'mil)					Total Est. Costs (K'mil)	Funding Source(s)
			2023	2024	2025	2026	2027		
<b>DIP 5.1</b>	1. Reservists and Regular Police Recruitments	All LLGs	0.020	0.010	0.010	0.010	0.015	0.065	DSIP, PSIP
	2. District Police Uniforms procurement program	All LLGs	0.020	-	0.020	-	0.020	0.060	DSIP
	3. Rural Police Posts	4 LLGs	0.350	0.350	0.350	-	0.350	1.4	DSIP, PSIP, PIP
	4. District Police fleets procurement program	Umi/Atzera & Wantoat Leron LLGs	0.3	0.3	-	-	-	0.6	DSIP
	5. Police Rapid Response Unit Barracks (Mobile Squad)	Leron/Wantoat	-	0.550		-	-	0.550	DSIP, PSIP, PIP
	6. Wantoat New Police Housing Project	Leron/Wantoat	0.240	0.240	0.120	-	0.500	1.1	DSIP, PSIP, PIP, DPs
	7. Mutzing Police Housing Rehabilitation project	Umi/Atzera LLG	0.070	0.1	0.1	0.1	0.070	0.440	DSIP
	8. District Police Operations	All LLGs	0.020	0.020	0.020	0.020	0.020	0.1	DSIP
<b>DIP 5.2</b>	9. District Court House Infrastructure Program	Mutzing Station ward 30	-	0.20	-	-	0.40	0.6	DSIP, PSIP, PPP
	10. District Court House Operations								DSIP, PSIP, PPP
	11. District Magistrate and Clerks Housing Project	Mutzing Station ward 30	-	-	0.2	0.3	-	0.5	DSIP, PSIP, PPP
<b>DIP 5.3</b>	12. Rural Lockup Infrastructure Program	Umi/Atzera LLG	0.150	0.5	0.150	0.150	0.250	1.2	DSIP, PSIP, PIP, DPs
	13. Correctional Personnel Housing Project								DSIP, PSIP, PIP, DPs
<b>DIP 5.4</b>	14. Village Court Housing Project	4 LLGs	0.180	0.3	0.2	0.2	0.1	0.980	DSIP/DJAG/DPLG
	15. Village Court Operations Program	4 LLGs	-	0.360	0.060	-	0.060	0.420	DSIP
	16. Village Court Training and Inspections	4 LLGs	0.010	0.010	0.010	0.010	0.010	0.050	DSIP, PSIP, VCLMS
<b>Total Investment</b>								9.325	

**Table 2 Minimum Service Standards**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
<b>5.1</b>	1. Number of Police Reservists and Regulars recruited	7 Reservists & 2 Regular	3 Regular	10 Regular	10 Regular	5 Regular	MDDA, RPNGC, MPG
	2. Number of Police Uniforms procured	65 Regular & Reservist's Uniforms	-	65x Regular & Reservist's Uniforms	-	65x Regular & Reservist's Uniforms	



5.1	3.	Number of Rural Police Post constructed	1 post at Ngarowain –Onga/Waffa	1 post at Leron Junction	1 post at Umi/Atzera	-	2 post at Atzera LLG HQ	MDDA, RPNGC MPG	
	4.	Number of new rural police houses constructed	2 houses at Ngarowain –Onga/Waffa	2 houses at Leron Junction	2 houses at Umi/Atzera	-	4 houses at Atzera LLG HQ		
	5.	Leron/Wantoat Police Housing Upgraded	2 houses	2 houses	1 house	-	-		
	6.	Police Rapid Respond Unit established	10 men Police Rapid Respond established and operational at Wantoat/Leron						
	7.	Police Fire Power (fire arms & Ammunitions) procured	3 side arms, 4 rifles,4 shot guns & 3 gas guns procured and supplied to police						
	8.	Number of Police Office upgraded	Wantoat and Mutzing Police Office upgraded and operational						
	9.	Wantoat and Mutzing Police Cell blocks upgraded	Wantoat and Mutzing Police Cell blocks upgraded and operational						
	10.	Number of new Police Vehicle procured	1 vehicle for Wantoat	1 vehicle for Mutzing	-	-	-		
	11.	Mutzing Police houses upgraded	1 PSC house	3 houses	2 houses	-	1 house		
	12.	Police Operations	✓						
5.2	13.	Number of District Court House constructed and vehicles procured	-	1 district court house constructed	-	-	2 vehicle purchase (Admin & Prison van)	MDDA, MPG, DJAG, MS	
	14.	Number of District Court Officials Houses constructed	-	-	1 Magistrate House	2x2 Court Clerks house	-		
5.3	15.	Rural Lockup Facilities & CS Officers resident etc.	1x Rural Lockup to be constructed	Construct 1x CS staff office & 4x CS Officers Residence	Construct 1x Male & Female Hall including ablution block & Mess building	Rural Lockup fencing & Mount Security lightings	1 CS Vehicle procured	MDDA, MPG, CIS, DJAG	
5.4	16.	Number of village court houses constructed	2 village court houses constructed (1x GURUMPS VC Umi/Atzera LLG & 1x Onga VC Onga/ Waffa LLG)	3 village court houses @Leron/Wantoat LLG (1x LeronV/C (Sirasira),1x RUMU V/C(Zubebak),1x Awara V/C (Bayamasu),	2 village court house @ Umi/Atzera LLG (1x Wasembo Fanirawa VC & Atzera at Sangan VC)	2 village court houses (1x Onga/Waffa LLG, Waffa VC & 1x Central Wantoat V/C, Wantoat)	1 village court house @ Leron/Wantoat LLG Bumbum V/C, Tamaman	MDDA, MPG, DPLG, VCLMS	
	17.	Number of village court officials training conducted	1x Provincial Training Conduct	1x Onga/Waffa LLG V/C Officials Training	1x Leron/ Wantoat LLG V/C Officials Training	1x Atzera V/C Officials Training	1x District V/C Officials Training		



	18. Purchase of village court official vehicle and uniforms	-	1 VC vehicle purchased	Village Court Uniforms procured	-	Village Court Uniforms procured	MDDA, VCLMS
	19. Village Court Inspections and Data Collection	1x update conduct for 14x VC in Markham District	1x to be conducted for 2x VC Onga/Waffa LLG	1x to be conducted for 5x VC Leron/Wantoat LLG	1x to be conducted for 3x VC Atzera LLG	1x to be conducted for 4 x VC Umi LLG	MDDA, MPG, VCLMS

**Table 3 Strategy**

No	Implementation Strategies	Sector Policy/Plan Reference
1	Increase recruitment of police manpower	DAAP/MDFYDP 2023-2027/ MTDP IV 2023 - 2027
2	Construct and upgrade police infrastructures	
3	Improve police mobility and equip police with fire power	
4	Empower magisterial services in the district	
5	Construct magisterial services infrastructures in the district	
6	Procure district court vehicles for mobility	
7	Improve village court inspections and data collections	
8	Conduct trainings to improve village court officials capacities	

**Table 4 Indicator**

Project Link	District Indicators	Source (s)	Baseline (2022)	Annual Targets				
				2023	2024	2025	2026	2027
1-8	1. Ratio of Police personnel to people (ratio)	DIMS	NA	Reduce the ratio of policemen to people by 25%				
	2. Total number of Rural Police Posts		-	3	3	3	3	3
	3. Incidence of crime per 1000 people (%)		NA	Reduce the incidence of crime by 50%				
9-11	4. Backlog of District Court cases		NA	Data to be populated				
12-13	5. Total number of rural lock-ups operational		1	1	1	2	2	2
14-16	6. Inspection and Data Collected		12	13	14	14	14	14
District		Markham District Development Authority						
Supporting Agencies		MPG, RPNGC, NJSS, DJAG, VCLMS, All LLGs						

## DSPA 6 GOOD GOVERNANCE AND ADMINISTRATION

**Objective:** Instilling virtues of good governance and administration in service delivery.

Markham District in this planning period has intent to improve performances in the delivery of basic social and economic services to the people through focus set on improving the administrative system and institutional capacity. Markham District also values good governance, transparency, accountability and improved administrative management capacity with the view to enhance performances in the delivery of services. The current shift to digitalized platforms by the Government as set another bench mark and way forward in promoting transparency and accountability.

The district now sets specific investments including other related investments to achieve good governance and Administration for this planning period. The Key Result Areas (KRAs) under the Good Governance and Administration assign to the implementing agencies are listed under the following DIPs;

- i. Staff Performance Appraisal,
- ii. District Capacity Building,
- iii. District Improvement Program,
- iv. IFMS Sustainability Programs,
- v. Bilum Digital Platform/DIMS and;
- vi. Various sectoral Boards Establishment in the District.

The strategies to deliver the KRAs and indicators are:

- i. Improve Executive Governance,
- ii. Improve Executive Management,
- iii. Improve HR Management and Reorganization,
- iv. Improve Finance and Budget Management,
- v. Improve Planning and Performance Management and;
- vi. Establishment of District Sectoral Board.

Over the planning period, the district is planning to invest K1.952 million on Good Governance and Administration for this planning period.





**Table 1 Investment**

MTDP IV DIP Link	District Programs/ Projects	LLGs/ Wards	Annual Allocation (K'mil)					Total Est. Costs (K'mil)	Funding Source(s)
			2023	2024	2025	2026	2027		
DIP 8.6	1. Performance Appraisal	DHQ	-	0.020	0.020	0.020	0.020	0.08	DSIP
	2. District Capacity Building (Training)	All LLGs	-	0.018	0.018	0.018	0.018	0.072	MPG, DSIP, LLG
	3. District Administration Improvement Program	All LLGs	-	0.5	0.5	0.0	0.00	1.0	DSIP
	4. Integrated Financial Management System (IFMS)	DHQ	-	0.1	0.1	0.1	0.1	0.4	DSIP
DIP 8.7	5. BILUM Digital Platform - District Information Management System (DIMS)	DHQ	-	0.1	0.1	0.1	0.1	0.4	DSIP
	6. Sectoral Boards Establishment Program	DHQ	-	0.05	0.05	0.05	0.05	0.2	DSIP
Total Investment			-	0.258	0.258	0.238	0.238	1.952	

**Table 2 Minimum Service Standards**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
DIP 8.6	1. Number of Staff Performance Appraisals conducted		7	7	7	7	MDDA, All LLGs
	2. Number of Public Administration Training (SILAG) conducted		2	2	2	2	MPA, MDDA, NGO
	3. Number of LLG Administration Training (SILAG) conducted		2	2	2	2	MPA, LLG, MDDA, NGO
	4. Number of IFMS advance Training (Finance) conducted		2	2	2	2	DoF, MDDA
	5. Number of ICT & Networking (Finance) training conducted		1	1	1	1	DoF, MDDA
DIP 8.7	6. Bilum Digital Platform and DIMS established	Bilum and DIMs established and operational					MPA, MDDA, DIRD, DNPM
	7. District Information Management System Unit established	DIMS Unit established and operational					MDDA
	8. Number of Program Management Unit and LLG Co-affiliation established		4	4	4	4	MPG, MDDA
	9. Number of District Procurement Committee and Meetings conducted		12	12	12	12	MPA, MDDA, DIRD, DNPM, NPA
	10. District Health Board established	District Health Board established and operational					MDDA
	11. District Land Board established	District Land Board established and operational					MDDA
	12. District Sectoral Board established	District Land Board established and operational					MDDA



**Table 3 Strategy**

No	Implementation Strategies	Sector Policy/Plan Reference
1	Conduct staff performance appraisal to improve governance	Kundu Vision 2018 - 2048,
2	Conduct capacity building in the district and LLG administrations to improve management, budgeting, finance and planning	
3	Establish IFMS in the district	
4	Establish BILUM Digital Platform and the District Management Information System	
5	Establish relevant sectoral boards in the district	

**Table 4 Indicator**

Project Link		District Indicators	Source (s)	Baseline (2022)	Annual Targets				
					2023	2024	2025	2026	2027
1	1. Total number of Staffs Identified for training		DIMS	NA	-	7	7	7	7
1-2	2. Number of Officers trained			NA	-	6	6	6	6
3-4	3. Percentage of ICT & Networking accessed (%)			50	60	70	80	90	100
5	4. Percentage of Bilum Digital Platform implemented (%)			NA	50	60	70	90	100
	5. Percentage of DIMS rollout program established & accessed (%)			NA	50	60	70	90	100
6	6. Number of Boards established			NA	-	4	0	0	0
District			Markham District Development Authority						
Supporting Agencies			All LLGs, MPG, DNPM, DIRD, DICT, DPLGA						



## DSPA 7 CROSS-CUTTING ISSUES AND MITIGATION

**Objective:** Alleviating Natural Calamities and enhance disaster preparedness.

Markham District is no exception to the effects of climate change thus, it has aligned itself to alleviate the effects of climate change following on from the disaster effect of El Nino of 1979 and the Fast Environmental Changes within the Valley from Agricultural Invasion such as Oil Palm Plantations, Bio Mass Plantations to Impact Increase Agricultural Inputs of Cocoa and Coffee tree plantings apart from cereal crops such as Rice and Farm Gardens.

Holistic Agricultural Invasion has caused weather patterns to shift from normal patterns to increase to severe seasons of severe drought and severe wet monsoons.

The Districts Plans are to be on alert on such situations in the short term and be pro mindful in the areas of River Diversions including Lands Scarping and Dredging of its Rivers from sedimentation effects due Surrounding Environmental changes.

Due to Global Warming and the fast eroding of the Environmental Precincts within Markham District and especially along the Valley, from Inland Tributaries flooding from inland areas, it is urgently required that good and proper management practises is set in place to mitigate losses of cash crops and prevent major environmental damages, which unnecessary burdens the Government to fund these losses.

It is a must to put in place proper warning systems including best environmental practises to avoid disaster inconvenience from climate change now and into the future.

The total budget required for cross-cutting issues mitigation is K3.2 million in the course of four years beginning in 2024 onwards.





## 7.1 DISASTER MANAGEMENT

**Table 1 Investment**

MTDP IV DIP Link		District Programs/ Projects	LLGs/ Wards	Annual Allocation (K'mil)					Total Est. Costs (K'mil)	Funding Source(s)
				2023	2024	2025	2026	2027		
DIP 10.3	1. Disaster and Emergency Coordination program	All LLGs	-	0.05	0.05	0.05	0.05	0.05	0.2	DSIP, PSIP, PIP, DPs
	2. Disaster and Emergency Early Warning System		-	0.04	0.04	0.04	0.04	0.16		
	3. Disaster and Emergency Awareness		-	0.05	0.05	0.05	0.05	0.2		
	4. Disaster and Emergency Information System		-	0.5	0.5	0.5	0.5	2.0		
	5. Disaster and Emergency Respond Unit		-	0.16	0.16	0.16	0.16	0.64		
Total Investment									3.2	

**Table 2 Minimum Service Standards**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
DIP 10.3	1. Number of disaster and emergency coordination established	-	4	4	4	4	MDDA, MPG, NDC, ADRA, RED CROSS, IOM
	2. Number of early warning system installed (16)	-	4	4	4	4	
	3. Number of disaster preparedness awareness conducted (16)	-	4	4	4	4	
	4. Disaster and Emergency Information System (DEIS) established	DEIS established and operational					
	5. Establish Disaster and Emergency Respond Unit	DEIS Repond Unit established					

**Table 3 Strategy**

No	Implementation Strategies	Sector Policy/Plan Reference
1	Establish Disaster and Emergency Coordination	Kundu Vision 2018 - 2048
2	Install Early Warning Systems	Kundu Vision 2018 - 2048
3	Conduct awareness on disaster preparedness	Kundu Vision 2018 - 2048
4	Establish Disaster and Emergency Information System (DEIS)	Kundu Vision 2018 - 2048
5	Establish Disaster and Emergency Repond Unit	Kundu Vision 2018 - 2048



Table 4 Indicator

Project Link	District Indicators	Source (s)	Baseline (2022)	Annual Targets				
				2023	2024	2025	2026	2027
1-4	Number of Improved coordination and partnership	DIMS	2	2	3	3	4	4
	Number of awareness on disaster and emergency responsiveness		2	2	3	3	4	4
District		Markham District Development Authority						
Supporting Agencies		MPG, NDC, DNPM, All LLGs						





## 7.2 CLIMATE CHANGE MITIGATION AND ADAPTATION

**Table 1 Investment**

MTDP IV DIPs	District Programs/ Projects	LLGs/Wards	Annual Allocation (K'mil)					Total Est. Costs (K'mil)	Funding Source(s)
			2023	2024	2025	2026	2027		
<b>DIP 10.1</b>	1. Climate Change Mitigation and Adaptation Program	ALL LLGs	-	0.3	0.6	0.6	0.6	2.1	DSIP, PSIP, PIP, DPs, WGJV

**Table 2 Minimum Service Standards**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
<b>DIP 10.1</b>	1. District Climate Change Centre (DCCC) established	DCCC established					MDDA, MPG, CCDA, DPs
	2. Number of drought proof farming projects conducted at community level	-	16	16	16	16	
	3. Number of Sustainable Environment Projects/Programs conducted	-	4	4	4	4	
	4. Number of Volunteers engaged in Climate Change projects/programs	-	10	10	10	10	
	5. Number of training conducted on Climate Change	-	16	16	16	16	
	6. Number of awareness conducted on Climate Change	-	16	16	16	16	

**Table 3 Strategy**

No	Implementation Strategies	Sector Policy/Plan Reference
1	Implement Climate Change Adaptation Programs	National Climate Compatibility Development Management Policy, Kundu Vision 2048
2	Promote Appropriate Farming Techniques	
3	Increase Change Adaptation and Sustainable Environment Awareness and Training	
4	Promote and Implement Sustainable Environment practises	

**Table 4 Indicator**

Project Link	District Indicators	Source (s)	Baseline (2022)	Annual Targets				
				2023	2024	2025	2026	2027
1	1. Rate of Climate change programs carried out in the each LLG (%)	DIMS	NA	0	20	30	40	50
District		Markham District Development Authority						
Supporting Agencies		MPG, CCDA, DPs						





## DSPA 8 COMMUNITY DEVELOPMENT EMPOWERMENT

**Objective:** Empowering Women and Youths for the economic growth and population sustainability.

The district will mobilize resources to empower women and youth to address the bulge and associated social issues that impedes the development of the district. Through the plan opportunities will be created in education, sports, employment, business and other economic activities to harness the demographic dividends.

Over the 5-year period, Youth and Women development centers will be established across the three LLGs of the district; increase their participation in MSME, voluntary and civic services and labor mobility.

An estimate investment of K11.4 million is needed to deliver the priorities by 2027. The investments will focus on the following programs under this DIP.

- i. Roofing Iron Rollout Project
- ii. Youth Development Centers;
- iii. Sports Infrastructures and Development Programs;
- iv. Gender Based and Meri-Safe Haus; and
- v. District Welfare Programs;



**Table 1 Investment**

MTDP IV DIP Link	District Programs/ Projects	LLGs/ Wards	Annual Allocation (K'mil)					Total Est. Costs (K'mil)	Funding Source(s)
			2023	2024	2025	2026	2027		
DIP 2.7	1. Roofing Iron Rollout Program	All LLGs	2.0	2.0	2.0	2.0	2.0	10.0	DSIP
DIP 11.2	2. Youth Development Program		-	0.025	0.025	0.025	0.025	0.1	DSIP, PSIP, PIP
	3. Labour Mobility Program		-	0.025	0.025	0.025	0.025	0.1	DSIP, PSIP
DIP 11.3	4. Sports Infrastructure Development Program			0.1	0.2	0.1	0.1	0.5	DSIP, PPP, DPs
	5. Sports Development Program		-	0.025	0.025	0.025	0.025	0.1	DSIP, PSIP, PIP
DIP 11.4	6. Gender Based Violence and Meri Safe Haus		-	0.7	0.6	0.6	0.6	0.5	DSIP, PSIP, PIP
DIP 11.5	7. District Welfare Program		-	0.025	0.025	0.025	0.025	0.1	DSIP, PSIP, PIP
Total Investment								11.4	

**Table 2 Minimum Service Standards**

DIP No	Key Deliverables	Annual Deliverables					Responsible Agencies
		2023	2024	2025	2026	2027	
DIP 2.7	1. Roofing Iron roll out Onga/Waffa LLG	3 wards	4 wards	4 wards	2 wards		MDDA/LLG/Com Dev/MPG
	2. Roofing Iron roll out Leron/Wantoat LLG	3 wards	5 wards	5 wards	3 wards	4 wards	MDDA/LLG/Com Dev/MPG
	3. Roofing Iron roll out Umi/Atzera LLG	6 wards	6 wards	6 wards	6 wards	6 wards	MDDA/LLG/Com Dev/MPG
DIP 11.2	4. Number of Youths engaged in the Australian Fruit Picking Scheme	-	10	10	10	10	MDDA, DFAT
	5. Number of Youths engaged in voluntary services in the district	-	100	100	100	100	MDDA/LLG/Com Dev/MPG
DIP 11.3	6. Number of athletes participating in sports in the provincial and national level	-	200	200	200	200	MDDA/LLG/Com Dev/MPG
	7. LLG Sport facilities maintained and upgraded	LLG sporting facilities maintained and upgraded					MDDA/LLG/Com Dev/MPG
DIP 11.4	8. Number of District FSV Committees established	-	1x Umi/Atzera	1x Onga/Waffa	1x Leron/Wantoat	-	MDDA/LLG/Com Dev/MPG
	9. Number Meri-Safe Haus established		1x Umi/Atzera		1x Onga/Waffa		MDDA/LLG/Com Dev/MPG
	10. PWD Centre established	PWE Centre established and operational					MDDA/LLG/Com Dev/MPG
DIP 11.5	11. Number of Life Skills trainings conducted	-	20	15	10	-	MDDA/LLG/Com Dev/MPG
	12. Family support centres established	Family support centres established and operational					MDDA/LLG/Com Dev/MPG





**Table 3** Strategy

No	Implementation Strategies	Sector Policy/Plan Reference
1	Rollout of roofing iron in the district	AAP/ MDDA 2023 - 2027/ MTDP IV 2023-2027
2	Empower youths in employment and development of the district	AAP/ MDDA 2023 - 2027/ MTDP IV 2023-2027
3	Maintain and upgrade sporting facilities in the district	AAP/ MDDA 2023 - 2027/ MTDP IV 2023-2027
4	Establish FSV Committee	AAP/ MDDA 2023 - 2027/ MTDP IV 2023-2027
5	Establish Meri-Safe Haus	AAP/ MDDA 2023 - 2027/ MTDP IV 2023-2027
6	Establish PWD Centres	AAP/ MDDA 2023 - 2027/ MTDP IV 2023-2027
7	Conduct life skills training	AAP/ MDDA 2023 - 2027/ MTDP IV 2023-2027
8	Establish family support centres in the district	AAP/ MDDA 2023 - 2027/ MTDP IV 2023-2027

**Table 4** Indicator

Project Link	District Indicators	Source (s)	Baseline (2022)	Annual Targets				
				2023	2024	2025	2026	2027
1	1. District Roofing Iron Program	DIMS	36,672	40,000	45,000	90,000	97,000	100,000
2-3	2. Youth Development programs		2	2	2	2	2	2
4-5	3. Total number of games held in various codes in the District, Province and abroad		3	-	1	3	4	5
6-7	4. Total number of Life Skills trainings & Meri Safe Houses		3	4	5	6	7	10
District			Markham District Development Authority					
Supporting Agencies			MPG, All LLGs, DfCDR, NYDA					









Medium Term Development  
Plan IV 2023 - 2027

# Chapter 4

# **Financing and Implementation of the Plan**





## CHAPTER 4:

## FINANCING AND IMPLEMENTATION OF THE PLAN

### 4.1 Performance Of Previous MDDP 2017 - 2022 Financial Performance Summary

The last five (5) years of service implementation has seen Markham District improve in its capacity as the mechanism for service delivery in the district. The disbursement of funds was subjected to priority need areas in the district. It took Markham District more than K70 million in the last five years to implement MTDP (III) and MDDP 2017 – 2022. The funding wallets in the last five years were as follows;

#### 1. District Services Improvement Program (DSIP)

The total amount of funding received via the District Services Improvement Program amounted to approximately K42 million in the course of five years. The funds were mainly utilized on infrastructure, Health and Education Programs in the district.

#### 2. District Support Grant (DSG)

Under the MP's supervision and leadership, approximately K2 million was secured in the last five years and the funding was expensed mainly on priority need areas to supplement DSIP funded initiatives.

#### 3. Public Investment Program (PIP)

With the support of the National Government through the Department of Planning and Monitoring, approximately K24 million was utilized under PIP for Impact Projects and Programs in the district spread across each sector in the last five years

#### 4. Provincial Services Improvement Program (PSIP).

K400,000 was captured under PSIP in 2018 for socials projects in the district.

#### 5. Infrastructure Development Grant

A funding of K2 million was received in 2022 under IDG. The funds were used mainly on infrastructural development in the district. New road, maintenance and vital infrastructure in the district formed the core expensed items under the IDG.

In general, service delivery in the district had its own fair share of challenges that hindered progress. However, to date and in the last five years, Markham has transformed into a competing district. We now have road connectivity to almost 85% of the district coverage. Health and education standards have improved unlike before. Social services are now reaching people,





like never before. And this is due to the quality leadership of the Markham District MP, and the prudent administration of the Chief Executive Officer.

A total of approximately K70 million was used in the last five years to fund Markham District Development Plan 2017 - 2022 under the National Government's MTDP (III). Most of it was from the Markham District Support Improvement Program funds. The following graphs and tables below indicate the financial performance of the district in the last five years.

**Table 2. Financial Performance (2017-2022)**

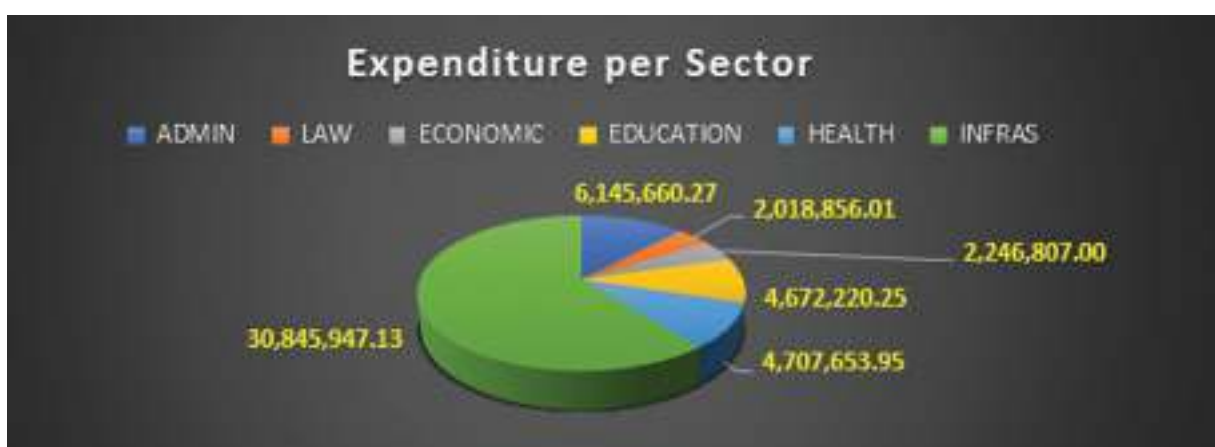
		FINANCIAL PERFORMANCE (2017-2022)					
		2017	2018	2019	2020	2021	2022
		(K)	(K)	(K)	(K)	(K)	(K)
<b>REVENUE</b>	DSIP	1,035,000	9,392,802	9,793,954	7,391,965	9,288,945	5,487,634
	DSG			500,000	500,000	500,000	500,000
	PIP			3,000,000	8,500,000	10,193,500	2,500,000
	PSIP		400,000				
	IDG						2,000,000
		<b>1,035,000</b>	<b>9,792,802</b>	<b>13,293,954</b>	<b>16,391,965</b>	<b>19,982,445</b>	<b>10,487,634</b>
<b>EXPENSES</b>							
	ADMIN	252,297	- 10,000				224,198
	LAW & OEDER	808,711	298,404	980,182	354,000	84,671	854,065
	ECONOMICS	-	235,446	704,918	189,338	496,649	620,456
	EDUCATION	-	997,045	1,061,463	514,571	233,339	834,286
	HEALTH	-	1,096,601	664,382	986,997	1,125,388	834,286
	INFRASTRUCTURE		224,198	3,862,631	4,866,479	1,665,762	2,391,489
	DSG			500,000	500,000	500,000	500,000
	PIP			500,000	5,306,500	9,193,500	2,253,000
	PSIP		400,000				
	IDG						2,000,000
		<b>1,061,008</b>	<b>3,241,694</b>	<b>8,273,576</b>	<b>12,717,885</b>	<b>13,299,309</b>	<b>10,511,780</b>
<b>ROLL-OVER</b>	FUND BALANCES	<b>548,505</b>	<b>2,093,964</b>	<b>5,949,799</b>	<b>6,303,267</b>	<b>7,487,634</b>	<b>1,059,659</b>
	VARIANCE	<b>- 26,008</b>	<b>6,551,108</b>	<b>5,020,378</b>	<b>3,674,080</b>	<b>6,683,136</b>	<b>- 24,146</b>



Figure 4. Revenue Summary (2017-2022)



Table 5. Expenditure per Sector (2017-2022)



## 4.2 MDDP 2023 - 2027 Financing Summary

The strategic investments in Markham District Development Plan (MDDP) 2023 - 2027 is estimated at over K40 million a year, totalling to about K200 mmillion over the five-year period. These investments will be targeted towards the 8 District Strategic Priority Areas (DSPA). These 8 DSPAs are aligned to 8 SPAs of the MTDP (IV). The DSPA's have been costed based on the significance of the programs and the district's deliberate interventions to grow the economy and achieve its targets, provide access and improve quality of life for the people.

Based on the district's key investment priorities, Deliberate Intervention Programs have been identified and costed for the five-year period of the MDDP 2023 – 2027.

From this investment plan, the Connect Markham Infrastructure (DSPA 2 – SPA 2) takes up 57% of the total MDDP 23 -27 financing while Robust Economic Growth Programs (DSPA 1 - SPA 1) takes up about 7%. Quality and Affordable Health Care (DSPA 3 -SPA 3), Quality Education and Skilled Human Capital (DSPA 4 - SPA 4); and Rule of Law and Justice (DSPA - SPA 5) are planned to cost 5%, 17% and 4% respectively. The other DSPAs under the MDDP will share the balance of the total estimated cost of the plan.

### 4.3 Source of Financing

Our resource envelope to finance the plan constitute the National Government grants, Public Investment Program, Donor funding and contributions from private companies. The internal revenue we are embarking on comprises internal revenue heads; court fees & fines, fees, taxes & charges, benefits derived from natural resources, goods & services tax, and business receipts to strengthen the district's fiscal capacity.

Prioritizing expenditure to implement our LLG's priorities will enable the district to effectively deliver services to the people using the limited resources.

Over or under estimating internal revenue has been a norm and has serious implications on the budget and subsequently the planned service delivery in the province, district and LLG levels. These are attributed to one or more of the following:

- Not basing the future forecasts on the previous year's actual collections.
- Inaccurate recording of the sources of revenue collection in our provincial and district accounts.
- Lack of Capacity within the Administration to develop accurate revenue forecasts.
- Basing our collections on the traditional sources only and not being innovative in developing new or additional revenue heads.

Within the next five years, the framing of district's Budget will take into account our collecting capacity and the Revenue Sources. As revenues have a collection timeline and do not usually run for the duration of the fiscal year, an effort will be made to ensure that collections are planned to ensure planned services are continually being funded.

The National Grants will continue to fund the Minimum Priority Activities under the revised Intergovernmental Financing Arrangements while the district internal revenue will continue to fund the Administrative fixed cost and sector programs captured in the district's plan. Development Projects are expected to be funded through PIP, Tax Credit Schemes, Donor funding and Other Business Receipts.

#### 4.2.1 Resource

- i. Development Partners (Multilateral and Bilateral Partners)
- ii. PSIP/DSIP
- iii. Tax Credit Scheme
- iv. Public Investment Program
- v. Infrastructural Development Grant (IDG)
- vi. Internal Revenue
- vii. MTDP IV Kina 4 Kina Intervention Program
- viii. Development Partners Program Support









Medium Term Development  
Plan IV 2023 - 2027

# Chapter 5

# **Monitoring, Evaluation and Reporting**





## CHAPTER 5: MONITORING, EVALUATION AND REPORTING

### 5.1 The Rationale for the MDDP Monitoring & Evaluation (M&E)

The assessment of Markham District Development Plan (MPDP) II 2023-2027 will be in line with the result focus and value for money principles of the National Monitoring & Evaluation Framework (PM&EF). TPDP monitoring, evaluating and reporting system and processes enables the continuous generation of evidence to inform district planning, program and project improvement, adaptation and management. It will be used to confirm the relevance, efficiency and effectiveness of the district investments in contributing to sustainable socio-economic development of Morobe Province and the country as a whole.

The TPDP M&E system will assess inputs delivery and management; tracking the performance of key results areas and indicators detailed in Chapter four (4) of this Plan; determining barriers or bottlenecks in the implementation of this plan; and generate new insights or learnings when set targets are not being achieved. In addition, it will assess quantitative and qualitative indicators on a participatory basis based on the individual TPSPAs logical framework.

TPDP M&E provides guidance on the M&E process for all LLGs and sector agencies based in the district and organizations to collect and report on. Secondly, it provides guidance on district coordination and reporting, feedback, data sharing and information management system. This will eventually lead to more evidence-based programming, budgeting, and implementation of the programmes and projects in the district. The M&E system in the district feeds the raw data to the province and national data centre/database systems.



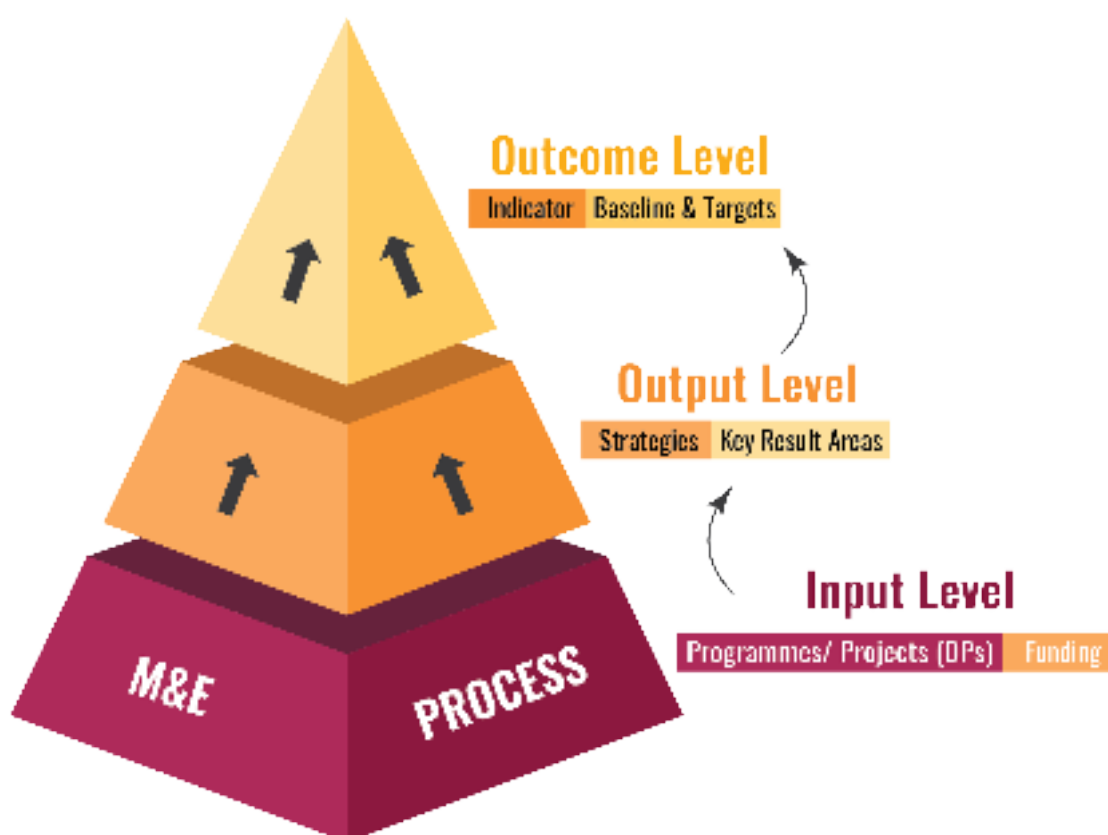


## 5.2 The Components of MDDP M&E

MDDP adopts two levels of M&E implementation:

1. Outcome monitoring and evaluation – Focuses on the monitoring and evaluating the TDIPs Log-frame at the input, output and outcome level. The log frame provides the implementation framework required to guide implementation, monitoring, evaluation and reporting at the district level. The Log Frame outlines outcome indicators, including baselines and targets; and lower-level outputs or key result areas; and the annual budgets required to operationalize the plan. This will ultimately contribute to the outcome and impact indicators captured in the Morobe Provincial Development Plan and the MTDP IV. The Log frame will be revisited and revised during annual reviews and the Mid-Term Evaluation to record achievements and make adjustments to the Plan. The Outcome M&E process should be coordinated and harmonized with all LLGs and stakeholders to ensure efficiency and effectiveness implementation of the Plan.

**Figure 6 Outcome M&E Process**



2. Programme/Project monitoring and evaluation – focuses on whether programme/project (DIPS) activities have taken place as planned or are in line with planned activities and outputs (physical monitoring); and whether budgets have been released and spent in line with allocations (financial monitoring) and the immediate results contributing to the desired MDDP results were achieved. The district will adopt programme and project reporting templates designed at the provincial and national level to monitor investments funded by GoPNG and Development Partners. Ward Record books and other existing M&E tools at the district level will also be utilized to ensure efficient and effective implementation of the projects.



**Table 3. DIPs M&E Process**

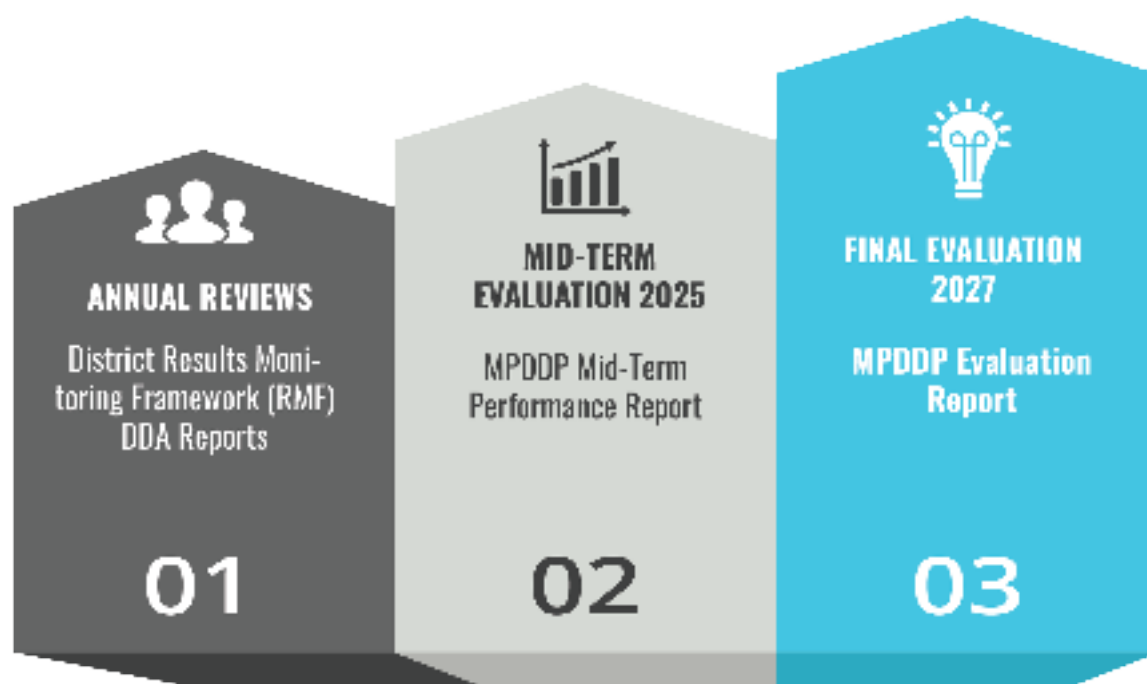
Steps	M&E Process	Requirements and appropriate format	Target group
Step 1	Plan for M&E	All LLGs must set goals or purpose for their annual M&E plan (to meet both internal and Provincial information needs); M&E unit established with designated technical and data management staff and budget for M&E and linked to Provincial and National M&E working group. As part of planning DDA must decide on what DIPs to monitor.	District CEO and LLG Managers
Step 2	Conducting Monitoring	DDA should monitor MDDA through: Quarterly reviews/evaluations of the progress of the implementation of the projects (see annexes for M&E templates)	DDA, LLG Managers, Planners, Development Partners, executing units, M&E teams and other stakeholders
Step 3	Collecting and analyzing Information	Making sense of implementation information which provide progress of and clues to problems that arise during project implementation and create opportunities for improvement.	DDA DOF, Implementing Agencies, executing units, M&E teams and other stakeholders
Step 4	Taking Action	This involves: Recommendations to the DMC; Intensive discussions with agencies; Funding suspension/termination of non-performing programmes or projects; Up scaling of promising projects; Building on the strengths of the planning and budgeting process; and making necessary changes on TPDP II priorities and targets.	DDA, Sector Lead Agencies, executing organizations, M&E teams and other stakeholders
Step 5	Undertaking Evaluation	Annual Project Review/Evaluation of the DIPs to inform the annual planning and budgeting process and build on the next TPDP formulation.	DDA, LLGs, implementing organizations, M&E teams and other stakeholders



### 5.3 M&E Processes

**Outcome evaluation** provides an impartial and objective assessment on the TPDP II performance against the provincial and national development indicators, systematic assessment of key result areas and strategies, coordination and sectoral issues, and promote greater learning within district and LLGs. It will also assess the effectiveness, relevance, efficiency, impact and sustainability of the district priority infrastructure projects. Annual, mid-term and final evaluation will be undertaken to make adjustment on changing circumstances and ensure that the TPDP II SRAs and DIPs are achieved as planned. These evaluation processes are described below:

**Figure 7. Evaluation Process and Products**



**Annual reviews** - will assess and validate achievements of the MPDP outcomes and outputs planned for each year and the performance of DIPs. It will also identify implementation bottlenecks and document lessons learnt. On an annual basis a report against the Log Frame indicators will be published through the annual Results Monitoring Framework (RMF) Pocket Book providing a snapshot of district progress toward goals and targets.

**Mid-term evaluation** - will provide mid-term analysis of the cumulative achievements against the DSPAs and targets. It will also reflect the key coordination and implementation issues encountered over the medium term and provide insights on the necessary changes to be made, including the strategic re-direction for the second half of the MPDP implementation period. It is envisaged to take place in 2025; and,

**Final evaluation** - will be an independent evaluation to assess the overall achievements of the MPDP, including the effectiveness, appropriateness and key results achieved by the SPAs, and document lessons learnt to be built on for the next MDDP. This will be managed by a team of external evaluators coming from research or think tank institutions within and outside of PNG. This evaluation shall take place at the third quarter of 2027.

**Programme/Project evaluation** depends upon the nature, scope, duration, budget, and complexity of the programme or project. The following minimum monitoring process will be observed:





Project M&E Process	Description
<b>Project steering committee (PSC) quarterly review meetings</b>	The PSC reviews based on project progress against planned targets, actual expenditure and issues identified during project implementation and lessons learnt.
<b>Quarterly project progress reporting</b>	The DDA through the project manager must submit progress report against targets (planned outputs and outcomes). The report should reflect cumulative progress of project outputs and outcomes, analysis of the achievements, challenges, gaps, and lessons learnt.
<b>Annual project reviews</b>	Annual review is meant to track and document project achievements (outputs and initial outcomes), issues and lessons learnt during the year in review.
<b>Final Project Evaluation</b>	This evaluation is meant to assess project goals and objectives, or effects on the conditions of the beneficiaries and lessons learnt.

## 5.4 MTDP IV Coordination and Reporting Flow

Figure 8. District Performance Monitoring & Evaluation Committee



Markham District to improve evidenced-based planning for development is crucial. An information system shall be incrementally established, managed and up scaled to meet the increasing information needs of all stakeholders, especially the decision makers, planners and implementers. It shall collect, compile, analyze, retrieve and report raw data or information associated with the performance and results of the MPDP. The information shall serve as a repository of vital raw information from the Wards (e.g., record books), performance reports of Service Improvement Programmes (LLGSIPs, DSIPs, and PSIPs), DIPs, and budget reports,

and other demographic data. This requires capacity building and resources from the Morobe Provincial Government, DNPM, DPLGA and other stakeholders.

Provinces, districts and local authorities shall work and/or recommend to DNPM how the service delivery data will link with the national data center/ DNPM sector information system. They should be responsible for aggregating service delivery data and verify data from lower levels and submitting paper-based reports to DNPM and DPLGA. Provinces need to analyze the data and present the information in a way that addresses the information needs of the provincial decision makers and play a lead role in disseminating M&E tools and training the staff at the sub-national level and monitor the system once it is in place.

Development partners, private sector, churches and civil society play a significant role in the MDDP implementation. They will be provided the opportunity to input on the development of the strategies and sector plans, and projects at the district level and ensure that these are effectively implemented, monitored, evaluated and reported at the community level. Communities have a stake in making sure that the MDDP M&E is producing good-quality information, thereby ensuring that they receive the services they need. They also have a role in making sure that government and other service providers are providing them with information on the services being offered in their community, as well as service delivery (health, education, etc.) statistics, so that they can know that their needs are being met, or can use the information to advocate, if their needs are not being met.

#### **District Service Improvement Program (DSIP) Performance Tracking (DIMS / BILUM Digital Platform)**

Significant development expenditure of about 30 % of the National Capital Investment is budgeted annually through the DSIP and PSIP which must be strictly monitored and evaluated periodically for value of money and its impacts to service delivery. MPDDA is committed to work with DNPM in collaboration with the Department of Implementation and Rural Development (DIRD) and other central agencies should to ensure that SIP funding is tracked regularly, optimized and producing tangible benefits to the people and to the country as a whole.



RISK







Medium Term Development  
Plan IV 2023 - 2027

# Chapter 6

# Risk

# Management





## CHAPTER 6: RISK MANAGEMENT

Effective risk management practices are directly related to achieving results, and helps facilitate high performance. Markham District takes into account any risks that may hinder its ability to achieve its development program objectives, and implements measures to increase the likelihood of success. Markham District manages development risk throughout the lifespan of its development plan.

### 6.1 Key Risk Factors

There are a number of risk factors associated with the implementation of the plan, however the main potential risk factors to be addressed are;

#### 1. Political influences

One of the primary risks associated with implementing the MDDP 23 -27 is political instability and interference on investment priorities. While the political ownership for development is critical, the annual investment Budget prioritisation and other funding mechanisms for DIPs must be guided by the MTDP IV SPAs. Strategy for managing risks include; i) Alignment of Markham District 5-year development plans to MTDP IV; ii) Effective advocacy of the MDDP 2023 - 2027; and iii) Enhance greater political leadership and ownership of the plan.

#### 2. Lack of effective governance systems and processes

The Government's admin, finance and procurement processes impose significant risks in achieving the goals of the MDDP 23 -27. Introduction of new digital database systems such as the Bilum Digital Platform and DIMS will improve governance, compliance and transparency in the process.

#### 3. Corruption

Corruption is a significant risk that may hinder the motive behind the implementation of the MDDP 23 – 27. While the processes are cumbersome with loopholes, the district will emphasize and uphold due diligence in the whole process to maximize output and prevent miss use. Compliance with the processes and efficient delivery are critical for the successful implementation of the MDDP 23 -27.

#### 4. Financial constraints to fund the budget.

Financial constraints are a major risk to the effective and timely delivery of MDDP 23 -27. This risk is attributed to: i) Lower than expected revenue collection; ii) Lack of timely release of budgeted funding; iii) Lack of coordination over expenditure; and iv) Lack of effective MEL over



capital investments.

### 5. Financing of unsolicited projects

The MDDP 23 -27 budget and ability to deliver the targets can be hindered through the funding of unsolicited projects. Cause of this can be streamed down to political influence and or natural disasters. To avoid any project of that nature and mitigate the issue, compliance measures will be imposed on every investment using compliance frameworks such as the PIP Management guidelines or the Public Finance Management Act.

### 6. Escalating law and order issues.

Law and Order issues is an on-going issue that can hinder the implementation of the MDDP or service delivery in general. Limited capacity and lack of support and ownership at all levels of the government, remains as primary reasons behind the district inadequate ability in responding. The MDDP will give more emphasis on addressing Law and Order in the district

### 7. Natural disasters and pandemics.

Natural disasters and pandemics are unsolicited. They are bound to happen anytime in the life of the plan. It is a significant risk that can hinder the successful implementation of the MDDP. All investment priorities will include Disaster risk reduction planning and other mitigation strategies.

### 8. Non-alignment of Markham District Development Plan 2023 – 2027

Non-alignment of MDDP to the MTDP IV may have significant effect in the implementation of the MDDP. Hence, MDDP is well aligned to the MTDP IV Strategic Priority Area and its Deliberate Intervention Programs to avoid missing out on key funding opportunities such as the PIP.

## 6.2 Risk Matrix

Figure 9. Risk Management Process





Managing the risk of the MDDP will involve the following process:

- i. Identify the threats
- ii. Assess the vulnerability of critical interventions to specific threats
- iii. Determine the risk (i.e. the expected likelihood and consequences of specific types of interventions)
- iv. Identify ways to reduce those risks
- v. Prioritize risk reduction measures

The Risk management knowledge area consists of the following processes:

- i. **Plan Risk Management** – defining how to conduct risk management activities.
- ii. **Identify Risks** – identifying individual project risks as well as sources.
- iii. **Perform Qualitative Risk Analysis** – prioritizing individual project risks by assessing probability and impact.
- iv. **Perform Quantitative Risk Analysis** – numerical analysis of the effects.
- v. **Plan Risk Responses** – developing options, selecting strategies and actions.
- vi. **Implement Risk Responses** – implementing agreed-upon risk response plans.
- vii. **Monitor Risks** – monitoring the implementation.

Figure 10. MDDP Risk Management

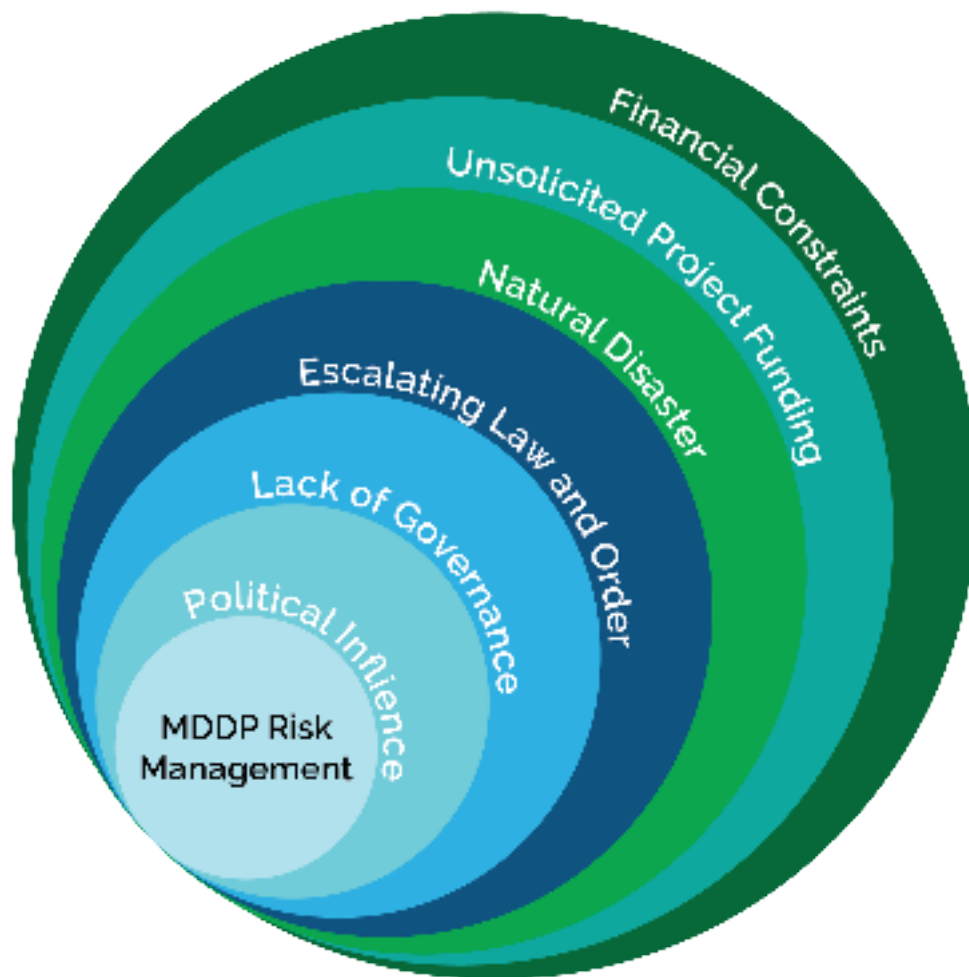


Table 4. Risk Management Table

RISK MANAGEMENT TABLE				
KEY AREAS	CONSEQUENCES Extremely High - 4 High - 3 Medium - 2 Low - 1	PROBABILITY Almost Certain - 4 Likely - 3 Possible - 2 Unlikely - 1	RATING (Consequences x Probability) If total rating falls between, 13-16 Serious Concern, 9-12 Concerning, 5-8 Cause for concern, 1-4 Manageable	STRATEGY GOING FORWARD
Political Influence	2	2	4	<ul style="list-style-type: none"> <li>Ensure Alignment of Provincial and District Development Plans with MTDP IV</li> <li>Advocacy and marketing of the MTDP IV</li> </ul>
Lack of Effective Governance and Corruption	3	2	6	<ul style="list-style-type: none"> <li>Introduction of Digital database system (Bilim/DIMS)</li> <li>Stringent MEL process</li> </ul>
Financial Constraints to fund the intervention	4	4	16	<ul style="list-style-type: none"> <li>Solicit support from partners</li> <li>Rolling out of IFMS</li> <li>Routine M&amp;E on DIPs and strengthening governance mechanisms</li> <li>Alignment and integration of Provincial and District development plan</li> </ul>
Unsolicited Project financing	3	3	9	<ul style="list-style-type: none"> <li>Strict PIP guidelines and processes to ensure unsolicited project proposals are vetted and aligned to MTDP IV deliverables</li> <li>PPP project will be scrutinized and filtered to ensure it meets certain funding thresholds and requirements as well as the objectives are aligned to MTDP IV deliverables</li> </ul>
Natural Disaster	3	3	9	<ul style="list-style-type: none"> <li>Develop mitigation programs in the respective Sector and Sub-National plans to manage the natural disaster risks</li> </ul>
Escalating Law and Order	3	3	9	<ul style="list-style-type: none"> <li>Improve policing and enforcement through increased police recruitment and development of community policing programs</li> </ul>
Non - alignment of Development program	1	1	1	<ul style="list-style-type: none"> <li>District to work closely with DNPM for total alignment</li> </ul>





MARKETING

plan





Medium Term Development  
Plan IV 2023 - 2027

# Chapter 7

# **Marketing and Communication Strategy**



## CHAPTER 7: MARKETING AND COMMUNICATION STRATEGY

Markham District Marketing and Communication Strategy will aim at achieving development support, market our development plan to potential partners and most importantly encourage ownership of the MDDP 2023 - 2027. It will create wider awareness and understanding, and solicit support in resource mobilisation and implementation.

### 7.1 Objectives

To attain and garner ownership and support through forged cooperation and partnership with stakeholders in achieving exceptional development results. Figure 4 outlines the Objectives;

Figure 11. Marketing and Communication Objectives



Challenges in the effective implementation of the Communications Strategy include availability of funding, the ability to reach remote and rural areas, and institutional capacity. The Government will address these challenges under the MTDP IV

## 7.2 Target Groups

The strategy will involve the following targeted groups who may have either a direct or indirect role in the implementation of the Markham District 5 Year Development Plan as well as conducting awareness and advocacy through the common mass media outlets, online platforms and outreach activities.

**Figure 12. Marketing and Communication Target Groups**



**Figure 13. Means of Communication**





## REFERENCE

Centre of Excellence for Financial Inclusion, *National Financial Strategy 2018-2030*; *Bank of Papua New Guinea*

Civil Aviation and Safety Authority, *Corporate Plan*

Cocoa Board, *Cocoa Industry Strategic Plan 2016-2025*

Coffee Industry, *Coffee Strategic Business Plan 2020-2024*

Conservation and Environment Protection Authority, *PNG Protected Areas Policy*

Climate Change and Development Authority, *REDD+ 2017-2027*

Constitutional Law Reform Commission, *Annual Reports*

Department of Agriculture and Livestock, *Agriculture Medium Term Development Plan 2020 - 2022*, *National Food Security 2016-2025*

Department of Commerce and Industry, *Micro-Small & Medium Enterprise Policy 2016*

Department of Finance, *Public Finance Management Act 1995*

Department of Higher Education, Research, Science and Technology, *National Higher & Technical Education Plan 2021-2030*

Department of Information, Communication and Technology, *PNG Digital Transformation Policy*

Department of Lands and Physical Planning, *Internal Database 2020*

Department of National Planning and Monitoring, *MTDP III 2018-2022*, *National Population Policy 2015-2025*, *Water Sanitation and Hygiene Policy 2017*, *PNGSDS 2018-2027*, *Development Strategic Plan 2010-2030*, *Planning and Monitoring Responsibility Act 2016*

Department of Personnel Management, *Public Service Management Framework*

Department of Provincial and Local Level Government, *Final Audit Report, Summary of District Profiles - Minimum Standards for District Service and Growth Centres, Vol 2*

Department of Transport, *Transport Medium Term Strategy*

Department of Treasury, *Final Budget Outcome 2021*, *Budget Strategic Paper 2023*

Department of Works and Highways, *Connect PNG Strategy*

Kokonasi Industri Koporesen, *Coconut Industry Strategic Plan 2016-2025*

Magisterial Services, *Annual Reports*



Markham District Development Authority, *Markham District Development Plan, 2018-2022*

Morobe Provincial Government, *Morobe Provincial Government 30-year Development Plan, (Kundu Vision), Morobe Provincial Integrated Development Plan 2018-2022*

National Agriculture Quarantine & Inspection Authority, *Bio Security Policy 2022-2032*

National Aids Council Secretariat, *National HIV & AIDS Strategy*

National Department of Education, *Education Statistics, Early Childhood Education Policy 2020, National Education Plan 2021-2029*

National Department of Health, *Health Plan 2021-2029*

National Disaster Centre, *PNG Disaster Risk Reduction & Management Framework for Action*



# ANNEX

## Annex 1: Glossary

<b>Strategic Priority Area</b>	Strategic Priority Areas are MTDP IV policy priorities of the Government where actions of both the Government and its Development Partners will be pulled into alignment under this framework.
<b>Alignment</b>	Alignment refers to the translating MTDP IV into sectoral and Sub-National development plans with specific programs and projects with amicable investment strategies.
<b>Broad Based Economic Growth</b>	Broad Based Economic Growth is defined as an economic growth that has widespread involvement of individuals in the economy and society at large.
<b>Cascading Logic</b>	Cascading Logic refers to logical framework in the development planning structure which starts with the Preamble of the Constitution and ends with the Ward Development Plan.
<b>Civil Society Organisation</b>	Civil Society Organisation is a non-government organisation that partners with the Government to enhance service delivery.
<b>Deliberate Intervention Program</b>	Deliberate Intervention Program is a key priority investment program that translates Strategic Priority Areas into investment programs to achieve MTDP IV targets.
<b>Development Partners</b>	Development Partners comprised of bilateral and multilateral donor countries and financial institutions who provide development assistances to Government.
<b>District Service Improvement</b>	District Service Improvement Program is a funding source for the District to sustain its service delivery in the District.
<b>Exclusive Economic Zone</b>	Exclusive Economic Zone is an area that the State has special rights to utilise for economic purposes.
<b>Gross Domestic Product</b>	Gross Domestic Product refers to the total monetary value of final goods and services produced in a country in a given period of time.
<b>Integrated Financial Management System</b>	Integrated Financial Management System is a system that supports the management of public sector budgetary and financial accounting operations and promote better public financial management with a centralised registry of public sector revenues and expenditure.
<b>Integrated Information Repository System</b>	Integrated Information Repository System is a national statistical system that coordinates all development information in terms of collection, computing, assessing, reporting and publication.
<b>Investment Plan</b>	Investment Plan is defined as the plan developed to guide State investments.
<b>Medium Term Development Plan</b>	Medium Term Development Plan is a 5-Year Investment Plan that guides the resource allocations and investment in the country. It translates the PNG Strategic Development Plan into a rolling 5-Year Investment Plan.
<b>Monitoring and Evaluation Framework</b>	Monitoring and Evaluation Framework refers to the policy framework that provides to enhance monitoring, evaluation and reporting in the country.





<b>National Data Centre</b>	National Data Centre refers to the Integrated National Databased that coordinates information storing, computing, safeguarding, disseminating, and reporting and also coordinates the operation of all agency and Sub-National Governments database
<b>National Planning Framework</b>	National Planning Framework highlights the medium- and long-term plans to achieve Vision 2050. It presents the plans in cascading and logical manner from the sector levels up to the overarching development goals and visions.
<b>National Service Delivery Framework</b>	National Service Delivery Framework refers to the framework that provide the structure of service delivery standards, demarcation of roles and responsibilities of both National and Sub-National agencies and provide the significant link between the MTDP IV and the Sectoral and Sub-National Development Plans and policies.
<b>PNG Development Strategic Plan</b>	PNG Strategic Development Plan is a 20-year Strategic Plan with long term specific policy targets that translate Vision 2050. The plan aims to make PNG a middle-income country by 2030.
<b>Provincial Service Improvement Program</b>	Provincial Service Improvement Program refers to the sources of development funding that is appropriated for all Provinces for service delivery and routine maintenance.
<b>Public Private Partnership</b>	Public Private Partnership is an investment or service delivery model that enhance the collaboration of Government and Private Sector to enhance service delivery and private sector investments.
<b>Strategic Economic Investment</b>	Strategic Economic Investment is defined as the investment that optimise benefits or investment that meets the 20/80 Pareto model.
<b>Sustainable Development Goal</b>	Sustainable Development Goal refers to the international development agenda that aims to achieve the balance between economic, social and ecological dimensions of sustainable development without severe harm to environment .
<b>Ward Recorder System</b>	Ward Recorder System is defined as a system in which the Ward Recorders from respective Council Wards are involved in collecting and reporting the up-to-date information for each sector to the Integrated District Information database.



## ANNEX 2: CLASSIFICATION AND CATEGORIES OF DISTRICTS

The classifications of districts are determined by the locations of districts and the level of services that is accessible while the category of these classified districts are determined by the Indicators established by DPLGA for Service and Growth Centres. The categories also take into account capacity in terms of the enabling environment by locations and historical purpose for their establishment

### Classifications and Categories of Districts

1. Districts in the cities
2. Districts in Provincial Towns
3. District Towns or Headquarters in rural PNG

CLASSIFICATION	CATEGORY OF DISTRICTS
Classification 1:	Category A: Districts in cities that have very good Public Utilities
Classification 1:	Category B: Districts in cities that have adequate Public Utilities
Classification 1:	Category C: Districts in cities that have some Public Utilities
Classification 2:	Category A: Districts in declared Provincial Towns that have very good Public Utilities
Classification 2:	Category B: Districts in declared Provincial Towns that have adequate Public Utilities
Classification 3:	Category A: Districts or Rural Towns in Rural Districts that have very good Public Utilities
Classification 3:	Category B: Districts or Rural Towns in Rural Districts that have adequate Public Utilities
Classification 3:	Category C: Districts or Rural Towns in Rural Districts that have some Public Utilities
Classification 3:	Category D: Districts or Rural Towns in Rural Districts that are remote and have very low access

## ANNEX 3: LIST OF KEY IMPACT PROGRAMMES AND PROJECTS

1. District Smallholder Oil Palm Development Program
2. Coffee Processing Mills
3. Cocoa Downstreaming Processing
4. District Mechanized Alluvial Mine Development Program
5. District Roads Upgrade Program
6. District Bridges Program
7. Airstrips Redevelopment Program
8. Rural Electrification Roll-out Program
9. Mini-Hydro Power Grid (Wantat LLG)
10. Aid Post Construction Program
11. Aid Post Upgrade Program
12. Mutzing Rural Hospital Specialist Medical Program
13. Education Infrastructure Development Program
14. Early Childhood Education Development Program



15. Rural Lock-up Infrastructure Development Program
16. Rural Police Post
17. Wantoot New Policing Housing Project
18. District Administration Improvement Program
19. District Information Management System
20. Disaster and Emergency Information System
21. Disaster and Emergency Respond Unit
22. Climate Change Mitigation and Adaptation Program
23. Roofing Iron Roll-out Program
24. Sports Infrastructure Development Program
25. Gender Based Violence and Meri-Safe Haus



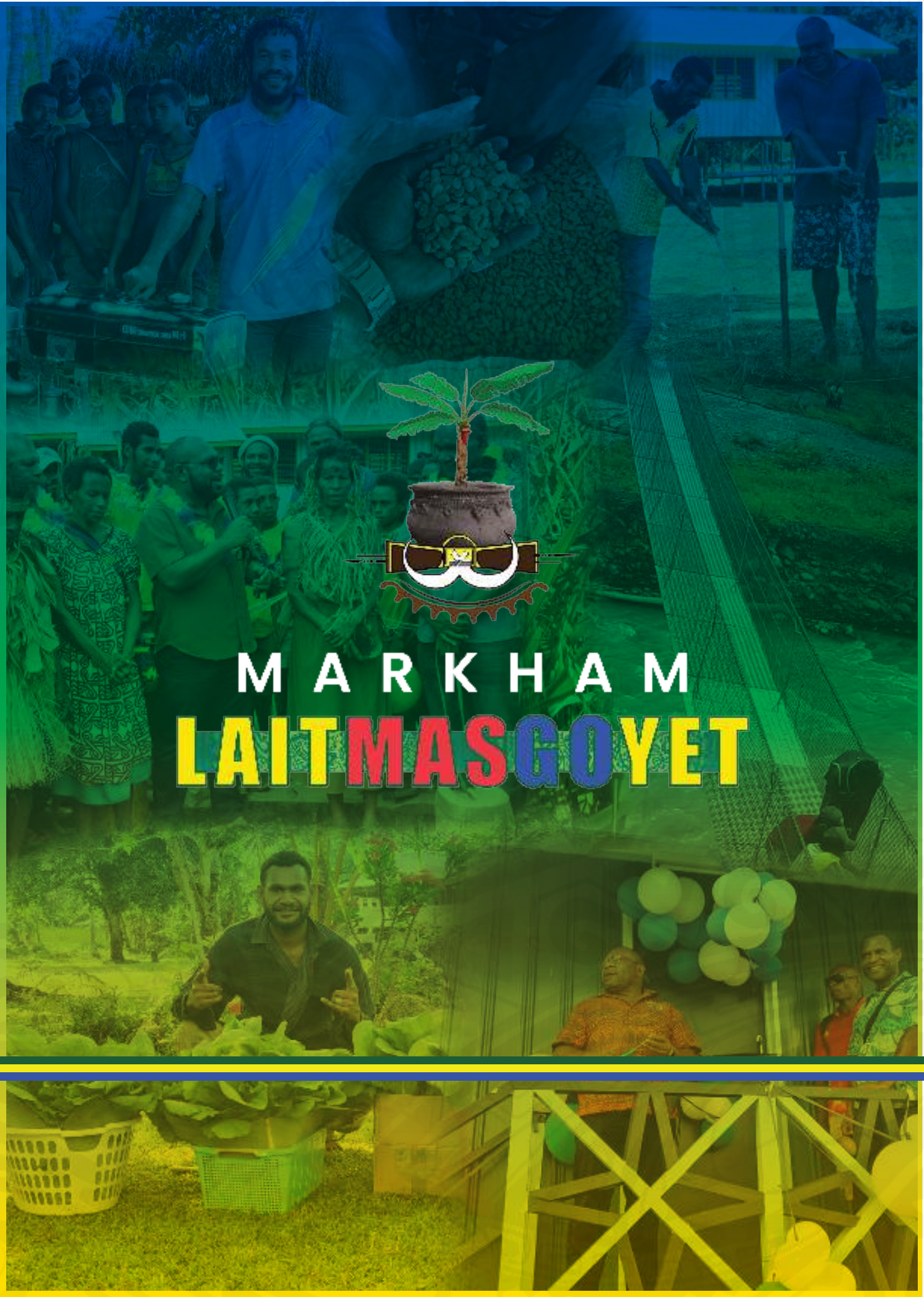












# MARKHAM LAITMASGOYET

