



Kenya National Highways Authority

Quality Highways, Better Connections

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MONITORING AND EVALUATION PLAN

ELWAK RHAMU PROJECT

TABLE OF CONTENT

DEFINITION OF TERMS	3
INTRODUCTION.....	4
PURPOSE OF MONITORING AND EVALUATION PLAN.....	4
1.1. PROJECT LOGICAL FRAMEWORK	6
1.2. DATA COLLECTION PLAN	13
1.3. PERFORMANCE MONITORING FRAMEWORK.....	19
1.4. DOCUMENTATION PLAN	26

DEFINITION OF TERMS

TERM	DEFINITION
Goal	Broader issue at the national or sectoral level that the project seeks to address
Outcomes	Localized result that the intervention seeks to achieve in support of the goal
Outputs	Observable, measurable change, and tangible products/services to be delivered by the intervention
Activities	The main tasks that need to be completed in order for the output to be achieved
Indicators	What will be measured to indicate if the targeted results have been achieved?
Means of Verification	The sources of data required to verify achievement of the indicators.
A list of critical risks and Assumptions	External factors which may positively or negatively influence the achievement of the desired result including any external phenomena beyond the project control.

INTRODUCTION

The El Wak – Rhamu Road (141km) is part of the Isiolo – Wajir – Mandera 740 km road corridor located in the North Eastern region of Kenya. The road corridor provides the only major road link to Isiolo, Wajir and Mandera Counties. The project road is one of the major international truck roads linking Kenya with the Republic of Somalia and Ethiopia. It is also a major traffic distributor in North Eastern Kenya and therefore a strategic regional route. The Project road starts at El Wak Town, approximately 5 km from Somali border, and traverses through towns of Gari and Rhamu.

The project road traverses one of the most marginalized and arid areas of the country. The existing road is in a poor condition resulting in long travel time when traversing the region and ultimately high transport costs. The region is usually cut off from the rest of the country during the occasional heavy rains, a situation which is worsened by the changing climate. The prevailing conditions therefore present unattractive environment for doing business especially considering the insecurity experienced in some of the areas along the project corridor.

The development of the project road aims to promote trade, alleviate poverty, and promote regional integration. The project road is part of GoK's North and North Eastern Development Initiative (NEDI) which focuses on transformative and integrated infrastructure investments and support to sustainable livelihoods in Kenya's ten least developed counties. It is also a priority under the Horn of Africa Initiative (HoA), which aims to address the drivers of fragility and conflict as well as facilitate regional economic integration in the HoA region. The project is critical to the protection and enhancement of livelihoods for the vulnerable and marginalized communities in the region. The improvement of the corridor will therefore improve business environment and contribute to enhancing transport and provide access to productive centers that would otherwise hinder the realization of the full benefits of devolution within the North Eastern region.

The objective of the project is to improve transport and communications between Kenya - Somalia and Kenya - Ethiopia for the benefit of the people of the three countries and the region and to improve economic and social welfare of the people living along the corridor.

PURPOSE OF MONITORING AND EVALUATION PLAN

The Monitoring and Evaluation Plan will set the stage to undertake Performance monitoring, Midterm Evaluation and Post Completion evaluation of the project during implementation and after its completion. Monitoring and Evaluation is an important aspect of project appraisal especially in project implementation and operation phases. This aspect allows a better understanding of how and why actual events differed from the set Goals, Outcomes and Outputs.

During the Post Completion evaluation, reference will be made to the below Monitoring and Evaluation Logical framework and Evaluation criteria as shown below to determine the success of the project.

Table 1: Evaluation Criteria

No.	Evaluation Criteria	Evaluation Criteria Questions
1.	Relevance	To what extent did the objectives of the project intervention consistent with the beneficiary's requirements, global/local priorities and partner/donor policies? To which extent was the project embedded into donor harmonization and alignment efforts?
2.	Effectiveness	Were the programme objectives of the project achieved? What were the factors influencing the achievement or non-achievement of the objectives? Was the increased capacity of the road used adequately? Is the quality of the road still good or sufficient?
3.	Efficiency	Were activities cost efficient? Was the programme implemented in the most efficient way compared to available alternatives?
4.	Impact	To what extent did the project contribute to reaching the overarching development objectives?
5.	Sustainability	To what extent did the benefits of a programme continue after donor funding ceased?

The plan consist of

- i. **Project Logical Framework:** This provides an overview of a project's goal, activities and anticipated results. It provides a structure to help specify the components of a project and its activities and for relating them to one another. It also identifies the measures by which the project's anticipated results will be monitored
- ii. **Data Collection Plan:** This helps to ensure that data is collected during project implementation and analysis done at scheduled interval. It defines what to measure (indicators), defines indicators, identify data sources, data collection frequency and responsibility for data collection.
- iii. **Performance Monitoring Framework:** This helps in monitoring the achievement of the desired results. It presents the desired results, indicators to measure the progress in achievement of the results, frequency of data collection, baseline data and the target performance.
- iv. **Documentation Plan:** Provides the documentation necessary to facilitate monitoring and evaluation of the project. It presents the documents to be prepared, responsibility for the preparation, reviewer and the required review period.

1.1. PROJECT LOGICAL FRAMEWORK

Activities	Project Summary	Verifiable Indicators	Means of Verification	Risks and Assumptions
Goal	To improve integration, trade and socio economic development within the horn of Africa region	% increase in trade volume between Kenya, Ethiopia and Somalia	Kenya National Bureau of statistics Annual Statistical abstract	Trade policy between Kenya, Ethiopia and Somalia will improve
Outcomes				
Outcome 1	Enhanced access and transit for goods and services along the corridor	<ul style="list-style-type: none"> • Time taken to travel from Elwak to Rhamu • Vehicle operating cost • % population connected to fibre optic 	O-D Surveys VOC report	The corridor will remain secure and stable
Outcome 2	Enhanced access to public facilities and social amenities within Mandera County	<ul style="list-style-type: none"> • % change in crime rates • % reduction in police response time • Time to the nearest primary school • Time to the nearest health facility 	Household surveys	Uptake of public facilities will improve given access
Outcome 3	Economic empowerment of persons in Mandera County	<ul style="list-style-type: none"> • % increase in household income • % increase in land values • Number of people employed in project • % Growth in business registration • % increase in hotel occupancy 	Household surveys	Road development will spur economic growth

Activities	Project Summary	Verifiable Indicators	Means of Verification	Risks and Assumptions
Outcome 4	Enhanced social integration and welfare of persons in Mandera County	<ul style="list-style-type: none"> • HIV and AIDS prevalence rate • Gender parity index in primary school • Gender parity index in secondary school • % of women employed in projects 	Survey	Social behaviour of residents will not significantly change due to other externalities
Outputs				
Output 1	142 km single carriageway road 7.0m wide with 2.0m shoulders Elwak – Rhamu Road constructed	Road roughness index	Road condition survey	The road will be constructed and maintained to the desired standard
Output 2	5 km of access road as identified by the County Government constructed	Road roughness index	Road condition survey	The road will be constructed and maintained to the desired standard
Output 3	Virtual axle load weighing station installed at Elwak	Axle load Compliance levels	Weighbridge Management report	Motorists are willing to conform to the set axle load standards
Output 4	Social amenities constructed as identified by the social needs assessment study	No. of persons utilizing the social amenities	Quarterly Project Progress reports	Social amenities address the social needs of the community
Output 5	Optical fibre cable trenching and civil works undertaken	Length in km of fibre cable installed	Survey report	Service providers will provide the necessary connections
Output 6	Flood mitigation measures at Elwak town implemented	No. of flood occurrences within Elwak town	Survey report	Flood mitigation infrastructure will be well maintained

Activities	Project Summary	Verifiable Indicators	Means of Verification	Risks and Assumptions
Output 7	Community boreholes and water pans constructed	Time taken to access water	Survey report	Beneficiary community shall sustainably maintain the constructed infrastructure.
Output 8	10,000 trees planted	% of trees that survive	Survey report	Planted trees shall be nurtured to maturity
Output 9	El Wak – Gari and Gari –Rhamu sections effectively supervised	% of compliance with quality assurance checks	Quarterly Project Progress reports	Consultant will remain objective in supervision of projects
Output 10	Baseline Survey data on environmental, climate change, social and economic indicators	% of baseline indicators with valid baseline data	Baseline Survey Report	Data on indicators will be readily available
Output 11	Periodic data on environmental, climate change, social and economic indicators	% of indicators with valid periodic data	Monitoring and Evaluation Reports	Data on indicators will be readily available
Output 12	Road safety audited	% of road safety audit recommendations implemented	Road Safety Report	There will be a timely implementation of road safety audit recommendations
Output 13	Beneficiaries sensitised on road safety	No. of accidents within the project road	<ul style="list-style-type: none"> • Road Safety Audit implementation Report • Quarterly Project Progress reports 	Externalities such as vehicle condition will not negatively affect accident rates
Output 14	Roads are technically audited	% compliance to road technical construction standards	Technical Audit Reports	Laboratory equipment will be well calibrated
Output 15	Awareness enhanced on HIV/AIDS, STIs, Gender, Drug Abuse,	% awareness levels	Report on awareness surveys	Sensitizations will result into improved awareness

Activities	Project Summary	Verifiable Indicators	Means of Verification	Risks and Assumptions
	Reproductive Health and COVID-19 created in project			
Output 16	Reviewed Detailed Engineering Design of Road	Number of design reviews during project implementation	Quarterly Project Progress reports	Design reviews considered all available data
Output 17	Regional Trade and Transport Facilitation study report	% of implementation of regional trade facilitation study recommendations implemented	Quarterly Project Progress reports	Study effectively identified regional trade and transport facilitation issues
Output 18	Traffic Survey Management System	% of operationalization of Traffic Survey Management System	Quarterly Project Progress reports	Traffic Survey Management System will be used as a decision tool.
Output 19	Up-to-date traffic Survey data	% of KeNHA road network surveyed	Quarterly Project Progress reports	Traffic network pertains will not significantly change in the near future
Output 20	Trained unemployed Youth (men, women and PWD) within the Project Zone of Influence	% of trained youths engaged in project	Quarterly Project Progress reports	Youths under training will secure skills relevant in project implementation
Output 21	Staff in KeNHA and supervisory team in Government trained	% of trained staff engaged in project implementation	Survey Report	Staff will be trained on areas of skill gap within their organization
Activities				
Activity 1	Construction of 142 km single carriageway road 7.0m wide with 2.0m shoulders Elwak – Rhamu Road	Length of road constructed	<ul style="list-style-type: none"> Quarterly Project Progress reports Monthly Project Progress Reports 	<ul style="list-style-type: none"> Prices or road construction materials remain stable Security remains stable Timely payment of certificates

Activities	Project Summary	Verifiable Indicators	Means of Verification	Risks and Assumptions
Activity 2	Construction of 5 km of access road as identified by the County Government.	Length of road constructed	<ul style="list-style-type: none"> Quarterly Project Progress reports Monthly Project Progress Reports 	<ul style="list-style-type: none"> Prices of road construction materials remain stable Security remains stable
Activity 3	Provision of a virtual axle load weighing station at Elwak	% completion in construction of virtual axle load weighing station	Quarterly Project Progress reports	Security remains stable
Activity 4	Construct selected social amenities as identified by the social needs assessment study	% of the social needs assessment study recommendation implemented	Quarterly Project Progress reports	High community demand will not result into scope creep
Activity 5	Undertake trenching and civil works for Optical fibre cable	Length in km of trenching and civil works undertaken	Quarterly Project Progress reports	Service providers will utilize the cable trenches
Activity 6	Implement flood mitigation measures at Elwak town	% of flood mitigation measures in the detailed design implemented	Quarterly Project Progress reports	Hydrology of Elwak town will not change in the near future
Activity 7	Construct community boreholes and water pans	Number of boreholes and water pans constructed	Quarterly Project Progress reports	The borehole sites will produce adequate flow of water
Activity 8	Plant 20,000 trees	Number of trees planted	Quarterly Project Progress reports	Planted seedlings will be suitable for the ecological zone
Activity 9	Procure construction supervision services for El Wak – Gari and Gari – Rhamu sections	No. of consultancies procured	No objection report	The consultant will have capacity to supervise the project
Activity 10	Undertake baseline survey to document project environmental, climate change, social and economic baseline data	No. of baseline survey undertaken	Baseline survey report	The data on the indicators will be available

Activities	Project Summary	Verifiable Indicators	Means of Verification	Risks and Assumptions
Activity 11	Monitor environmental, climate change, social and economic impacts of project	No. of monitoring studies on environmental, climate change, social and economic impacts of projects	Monitoring and Evaluation Report	The data on the indicators will be available
Activity 12	Undertake road safety audit	No. of road safety audits undertaken	Road safety audit report	
Activity 13	Undertake road safety sensitization Services	No. of road safety sensitizations undertaken	Quarterly road safety reports	The sensitization will influence behavior
Activity 14	Undertake technical audit of project	No. of technical audits undertaken	Quarterly Project Progress reports	Laboratory equipment will be well calibrated
Activity 15	Sensitise project beneficiaries on HIV/AIDS, STIs, Gender, Drug Abuse, Reproductive Health and COVID-19	<ul style="list-style-type: none"> No. of awareness and sensitization meetings held No. of condoms distributed 	Quarterly Project Progress reports	The sensitization will influence behavior
Activity 16	Review detailed engineering design of 3 road sections	No. of roads whose design is reviewed	Design Review Report	The review will identify and correct all design inadequacies
Activity 17	Undertake a Regional Trade and Transport Facilitation study	No of studies undertaken	Regional Trade and Transport Facilitation study Report	The study will identify all the issues
Activity 18	Develop Traffic Survey Management System	No. of Traffic Survey Management Systems developed	Quarterly Project Progress reports	The beneficiaries will utilize the system
Activity 19	Undertake Traffic Survey Across KeNHA Network	% of KeNHA network with traffic data	Quarterly Project Progress reports	The sectioning of the KeNHA network will represent travel patterns
Activity 20	Training of 250 unemployed Youth (men, women and PWD) within the Project Zone of Influence	No. of youths trained	Quarterly Project Progress reports	The trained youths will utilize the acquired skills

Activities	Project Summary	Verifiable Indicators	Means of Verification	Risks and Assumptions
Activity 21	Training of Staff in KeNHA and supervisory team in Government	No. of staff and supervisory team trained	Quarterly Project Progress reports	The trained staff will utilize the acquired skills

1.2. DATA COLLECTION PLAN

Indicator	Indicator Definition	Data collection method/source	Frequency of data collection	Person responsible	Information Use/Audience
Goal					
% increase in trade volume between Kenya, Ethiopia and Somalia	Volume measures total imports and exports between Kenya, Ethiopia and Somalia through the corridor	Kenya National Bureau of Statistics	Annually	M&E Team	AfDB KeNHA Board
Outcome					
Time taken to travel from Elwak to Rhamu	Time taken in minutes to cover the distance	Travel Survey	Annually	M&E Team	AfDB KeNHA Board
Vehicle operating cost	Average cost per kilometre	VOC Report	FY 2025/2026 FY 2027/2028	M&E Team	AfDB KeNHA Board
% households connected to fibre optic	Measured by Number of households connected divided by total households	Survey	FY 2025/2026 FY 2027/2028	M&E Team	AfDB KeNHA Board
% change in crime rates	Crimes related to banditry and terrorism	Survey	Annually	M&E Team	AfDB KeNHA Board
Time to the nearest primary school	Time taken in minutes	Survey	Annually	M&E Team	AfDB KeNHA Board
Time to the nearest health facility	Time taken in minutes	Survey	Annually	M&E Team	AfDB KeNHA Board
% increase in household income	Average household income	Survey	Annually	M&E Team	AfDB KeNHA Board
% increase in land values	Land value per acre	Survey	Annually	M&E Team	AfDB KeNHA Board

Indicator	Indicator Definition	Data collection method/source	Frequency of data collection	Person responsible	Information Use/Audience
Number of people employed in project	Measured cumulatively in persons months of employment	Monthly progress report	Monthly	Resident Engineer	AfDB KeNHA Board
% Growth in business registration	Based on business registration by County Government	Survey	Annually	M&E Team	AfDB KeNHA Board
% increase in hotel occupancy	Calculated by dividing the total number of rooms occupied, by the total number of rooms available, times 100	Survey	Annually	M&E Team	AfDB KeNHA Board
HIV and AIDS prevalence rate	Measured by dividing the number of persons newly infected with HIV during the year by the number of persons at risk for HIV infection.	Kenya Aids Indicator Survey	Annually	M&E Team	AfDB KeNHA Board
Gender parity index in primary school	Calculated by dividing the female Gross Enrolment	Survey	Annually	M&E Team	AfDB KeNHA Board
Gender parity index in secondary school	Ratio by the male Gross Enrolment Ratio	Survey	Annually	M&E Team	AfDB KeNHA Board
% of women employed in projects	Measured cumulatively in persons months of women employed in project to total employment	Survey	Annually	M&E Team	AfDB KeNHA Board
Output					
Road roughness index	International Road Roughness Index measured in m/km	Road condition survey	Annually	M&E Team	AfDB KeNHA Board
Road roughness index	International Road Roughness Index measured in m/km	Road condition survey	Annually	M&E Team	AfDB KeNHA Board

Indicator	Indicator Definition	Data collection method/source	Frequency of data collection	Person responsible	Information Use/Audience
Axle load Compliance levels	Proportion (%) of vehicles complying with the axle load limit	Weighbridge Management report	Quarterly	M&E Team	AfDB KeNHA Board
No. of persons utilizing the social amenities	No. of project beneficiaries utilizing the social amenity	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
Length in km of fibre cable installed	Linear length in kilometre of fibre optic cable installed	Survey report	Quarterly	M&E Team	AfDB KeNHA Board
No. of flood occurrences within Elwak town	Number of occasions when flood is experienced in a year	Survey report	Annually	M&E Team	AfDB KeNHA Board
Time taken to access water	Time taken in minutes from household to nearest water source	Survey report	Annually	M&E Team	AfDB KeNHA Board
% of trees that survive	Proportion (%) of trees surviving after two years	Survey report	Annually	M&E Team	AfDB KeNHA Board
% of compliance with quality assurance checks	Proportion (%) of quality control tests that are not significantly different from expectation	Quarterly Project Progress reports	Quarterly	M&E Team	AfDB KeNHA Board
% of baseline indicators with valid baseline data	Proportion based on list of indicators as per the results matrix	Baseline Survey Report	Baseline	M&E Team	AfDB KeNHA Board
% of indicators with valid periodic data	Proportion based on list of indicators as per the results matrix	Monitoring and Evaluation Reports	As per the data collection plan	M&E Team	AfDB KeNHA Board
% of road safety audit recommendations implemented	Proportion (%) based on the total recommendations as per	Road Safety Report	Annually	Resident Engineer	AfDB KeNHA Board

Indicator	Indicator Definition	Data collection method/source	Frequency of data collection	Person responsible	Information Use/Audience
	the audit implementation matrix				
No. of accidents within the project road	Project road is limited to Elwak – Rhamu road and the access roads	Road Safety Audit implementation Report Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
% compliance to road technical construction standards	Technical construction standard is as defined in the books of drawings	Technical Audit Reports	Quarterly	M&E Team	AfDB KeNHA Board
% awareness levels	Awareness shall be based on survey on beneficiaries	Report on awareness surveys	Annually	M&E Team	AfDB KeNHA Board
Number of design reviews during project implementation	Design changes proposed during project implementation	Quarterly Project Progress reports Monthly Project Progress Reports	Annually	Resident Engineer	AfDB KeNHA Board
% of implementation of regional trade facilitation study recommendations implemented	Proportion (%) will be based on the study recommendations as per the implementation matrix	Quarterly Project Progress reports Monthly Project Progress Reports	Annually	M&E Team	AfDB KeNHA Board
% of operationalization of Traffic Survey Management System	% of operationalization will be measured based on the system requirements	Quarterly Project Progress reports	Annually	M&E Team	AfDB KeNHA Board
% of KeNHA road network surveyed	% will be based on sectioning of the road network as per the survey plan	Quarterly Project Progress reports	Annually	M&E Team	AfDB KeNHA Board

Indicator	Indicator Definition	Data collection method/source	Frequency of data collection	Person responsible	Information Use/Audience
% of trained youths engaged in project	% of the youths trained under the project capacity building component	Quarterly Project Progress reports	Annually	Resident Engineer	AfDB KeNHA Board
% of trained staff engaged in project implementation	% of staff trained under the project capacity building programme	Survey Report	Annually	M&E Team	AfDB KeNHA Board
Activities					
Length of road constructed	Measured in lane km	Monthly and Quarterly Project Progress reports	Quarterly Monthly	Resident Engineer	AfDB KeNHA Board
Length of road constructed	Measured in lane km	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
% completion in construction of virtual axle load weighing station	Based on physical progress	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
% of the social needs assessment study recommendation implemented	Based on the study implementation matrix	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
Length in km of trenching and civil works undertaken	Measured in linear km	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
% of flood mitigation measures in the detailed design implemented	Based on the total proposed mitigation measures as per the detailed design	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
Number of boreholes and water pans constructed	As per the social needs assessment	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
Number of trees planted	No of trees	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board

Indicator	Indicator Definition	Data collection method/source	Frequency of data collection	Person responsible	Information Use/Audience
No. of supervision consultancies procured	No. of consultancies	No objection report	Once	Project Engineer	AfDB KeNHA Board
No. of baseline survey undertaken	No. of surveys	Baseline survey report	Baseline	M&E Team	AfDB KeNHA Board
No. of monitoring studies undertaken	Studies to be done annually to collect monitoring data	Monitoring and Evaluation Report	Annually	M&E Team	AfDB KeNHA Board
No. of road safety audits undertaken	No. of audits	Road safety audit report	Once	M&E Team	AfDB KeNHA Board
No. of road safety sensitizations undertaken	No. of sensitizations	Quarterly road safety reports	Quarterly	M&E Team	AfDB KeNHA Board
No. of technical audits undertaken	No. of technical audits	Quarterly Project Progress reports	Quarterly	M&E Team	AfDB KeNHA Board
<ul style="list-style-type: none"> • No. of awareness and sensitization meetings held • No. of condoms distributed 	Data on condom distributed will be disaggregated into Male and Female	Quarterly Project Progress reports	Quarterly	M&E Team	AfDB KeNHA Board
No. of roads whose design is reviewed	Design review undertaken before project implementation	Design Review Report	Once	Project Engineer	AfDB KeNHA Board
No of studies undertaken	No. of studies	Study Report	Once	Project Engineer	AfDB KeNHA Board
No. of Traffic Survey Management Systems developed		Quarterly Project Progress reports	Quarterly	Project Engineer	AfDB KeNHA Board
% of KeNHA network with traffic data	Homogeneous sections will be identified for data collection	Quarterly Project Progress reports	Quarterly	Project Engineer	AfDB KeNHA Board
No. of youths trained		Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board
No. of staff and supervisory team trained	Based on the training plan	Quarterly Project Progress reports	Quarterly	Resident Engineer	AfDB KeNHA Board

1.3. PERFORMANCE MONITORING FRAMEWORK

Results	Indicator	Frequency of data collection	Baseline FY 2021/2022	Targets per Financial Year					
				21/22	22/23	23/24	24/25	25/26	27/28
Goal									
Regional integration, trade and socio economic development	% increase in trade volume between Kenya and Somalia	Annually	TBD						
Outcome									
Enhanced access and transit for goods and services along the corridor	Time taken to travel from Elwak to Rhamu	Annually	TBD						
	Vehicle operating cost	2025/2026 2027/2028	TBD						
	% households connected to fibre optic	2025/2026 2027/2028	0						
Enhanced accessibility to public facilities and social amenities within Mandera County	% change in crime rates	Annually	TBD						
	Time to the nearest primary school	Annually	TBD						
	Time to the nearest health facility	Annually	TBD						
Economic empowerment of persons in Mandera County	% increase in household income	Annually	TBD						
	% increase in land values	Annually	TBD						

Results	Indicator	Frequency of data collection	Baseline FY 2021/2022	Targets per Financial Year					
				21/22	22/23	23/24	24/25	25/26	27/28
	Number of people employed in project	Monthly	TBD						
	% Growth in business registration	Annually	TBD						
	% increase in hotel occupancy	Annually	TBD						
Social integration and welfare of persons in Mandera County	HIV and AIDS prevalence rate	Annually	TBD						
	Gender parity index in primary school	Annually	TBD						
	Gender parity index in secondary school	Annually	TBD						
	% of women employed in projects	Annually	TBD						
Output									
142 km single carriageway road 7.0m wide with 2.0m shoulders Elwak – Rhamu Road constructed	Road roughness index	Annually	TBD						
5 km of access road as identified by the County Government constructed	Road roughness index	Annually	TBD						
Virtual axle load weighing station installed at Elwak	Axle load Compliance levels	Quarterly	TBD						
Social amenities constructed as identified by the social needs assessment study	No. of persons utilizing the social amenities	Quarterly	0						

Results	Indicator	Frequency of data collection	Baseline FY 2021/2022	Targets per Financial Year					
				21/22	22/23	23/24	24/25	25/26	27/28
Optical fibre cable trenching and civil works undertaken	Length in km of fibre cable installed	Quarterly	0						
Flood mitigation measures at Elwak town implemented	No. of flood occurrences within Elwak town	Annually	0						
Community boreholes and water pans constructed	Time taken to access water	Annually	0						
10,000 trees planted	% of trees that survive	Annually	0						
El Wak – Gari and Gari –Rhamu sections effectively supervised	% of compliance with quality assurance checks	Quarterly	100%						
Baseline Survey data on environmental, climate change, social and economic indicators	% of baseline indicators with valid baseline data	Baseline	100%						
Periodic data on environmental, climate change, social and economic indicators	% of indicators with valid periodic data	As per the data collection plan	100%						
Road safety audited	% of road safety audit recommendations implemented	Annually	0						
Beneficiaries sensitised on road safety	No. of accidents within the project road	Quarterly	TBD						
Roads are technically audited	% compliance to road technical construction standards	Quarterly	100%						
Awareness enhanced on HIV/AIDS, STIs, Gender, Drug Abuse,	% awareness levels	Annually	TBD						

Results	Indicator	Frequency of data collection	Baseline FY 2021/2022	Targets per Financial Year					
				21/22	22/23	23/24	24/25	25/26	27/28
Reproductive Health and COVID-19 created in project									
Reviewed Detailed Engineering Design of Road	Number of design reviews during project implementation	Annually	0						
Regional Trade and Transport Facilitation study report	% of implementation of regional trade facilitation study recommendations implemented	Annually	0						
Traffic Survey Management System	% of operationalization of Traffic Survey Management System	Annually	0						
Up-to-date traffic Survey data	% of KeNHA road network surveyed	Annually	0						
Trained unemployed Youth (men, women and PWD) within the Project Zone of Influence	% of trained youths engaged in project	Annually	0						
Staff in KeNHA and supervisory team in Government trained	% of trained staff engaged in project implementation	Annually	0						
Activity									
Construction of 142 km single carriageway road 7.0m wide with 2.0m shoulders Elwak – Rhamu Road	Length of road constructed	Quarterly	0						

Results	Indicator	Frequency of data collection	Baseline FY 2021/2022	Targets per Financial Year					
				21/22	22/23	23/24	24/25	25/26	27/28
Construction of 5 km of access road as identified by the County Government.	Length of road constructed	Quarterly	0						
Provision of a virtual axle load weighing station at Elwak	% completion in construction of virtual axle load weighing station	Quarterly	0						
Construct selected social amenities as identified by the social needs assessment study	% of the social needs assessment study recommendation implemented	Quarterly	0						
Undertake trenching and civil works for Optical fibre cable	Length in km of trenching and civil works undertaken	Quarterly	0						
Implement flood mitigation measures at Elwak town	% of flood mitigation measures in the detailed design implemented	Quarterly	0						
Construct community boreholes and water pans	Number of boreholes and water pans constructed	Quarterly	0						
Plant 20,000 trees	Number of trees planted	Quarterly	0						
Procure construction supervision services for El Wak – Gari and Gari – Rhamu sections	No. of consultancies procured	Quarterly	0						

Results	Indicator	Frequency of data collection	Baseline FY 2021/2022	Targets per Financial Year					
				21/22	22/23	23/24	24/25	25/26	27/28
Undertake baseline survey to document project environmental, climate change, social and economic baseline data	No. of baseline survey undertaken	Quarterly	0						
Monitor environmental, climate change, social and economic impacts of project	No. of monitoring studies	Quarterly	0						
Undertake road safety audit	No. of road safety audits undertaken	Quarterly	0						
Undertake road safety sensitization Services	No. of road safety sensitizations undertaken	Quarterly	0						
Undertake technical audit of project	No. of technical audits undertaken		0						
Sensitise project beneficiaries on HIV/AIDS, STIs, Gender, Drug Abuse, Reproductive Health and COVID-19	No. of awareness and sensitization meetings held	Quarterly	0						
	No. of condoms distributed	Quarterly	Total 0 Male 0 Female 0						
Review detailed engineering design of 3 road sections	No. of roads whose design is reviewed	Quarterly	3						
Undertake a Regional Trade and Transport Facilitation study	No of studies undertaken	Quarterly	0						
Develop Traffic Survey Management System	No. of Traffic Survey Management Systems developed	Quarterly	0						

Results	Indicator	Frequency of data collection	Baseline FY 2021/2022	Targets per Financial Year					
				21/22	22/23	23/24	24/25	25/26	27/28
Undertake Traffic Survey Across KeNHA Network	% of KeNHA network with traffic data	Quarterly	0						
Training of 250 unemployed Youth (men, women and PWD) within the Project Zone of Influence	No. of youths trained	Quarterly	0						
Training of Staff in KeNHA and supervisory team in Government	No. of staff and supervisory team trained	Quarterly	0						

1.4. DOCUMENTATION PLAN

Document	Brief overview of content	Packaging	Primary author (s)	Reviewer(s)	Review Period	Resources
Biannual M&E Reports	This report showcases monitoring of indicator in relation to project performance, Employment, Capacity building, travel time, road safety and EVM	Hard Copy Soft Copy (Email)	S&EP Department	Board of Directors Senior Management	1 week before biannual monitoring exercise	
Annual Progress Reports	Project description, activities implemented during the year, achievements, challenges, recommendation of way forward and key highlights and project photos	Hard Copy Soft Copy (Email)	Resident Engineer	D (Dev) D (PSC) D (HPD) AfDB	1 week after the end of the financial year	
Progress Reports	Project description, activities implemented during the month / quarter, achievements, challenges, recommendation of way forward and key highlights	Hard Copy Soft Copy (Email)	Resident Engineer	D (Dev) D (PSC) D (HPD) AfDB	1 week after the end of the Quarter	
Lessons Learnt	Lessons learned of the delays and issues experienced during project implementation are documented. The mitigation & recommendations to solve these delays & issues are also documented in a report format.	Hard Copy Soft Copy (Email)	M&E consultant	D (Dev) D (PSC) D (HPD) AfDB	After project completion	
HIV progress report	This progress report highlights the quarterly and month activities in relation to the HIV/AIDs prevention intervention consultancy	Hard Copy Soft Copy (Email)	HIV/AIDs consultant	D (Dev) D (HPD) AfDB	1 week after the end of the Quarter	

Document	Brief overview of content	Packaging	Primary author (s)	Reviewer(s)	Review Period	Resources
Post Completion Evaluation report	This is the report that evaluate the performance of the project in relation to set evaluation criteria, set goals, outcomes and output targets and indicators.	Hard Copy Soft Copy (Email)	S&EP Department M&E consultant	D (Dev) D (PSC) D (HPD) AfDB	Two years after completion of the project	