



National Housing Corporation

**ENVIRONMENTAL IMPACT ASSESSMENT STUDY  
REPORT FOR THE PROPOSED NHC KAPSUSWA  
RESIDENTIAL UNITS BLOCK ON PLOT TITLE NO.  
ELDORET MUNICIPALITY BLOCK 11/42, UASIN GISHU  
COUNTY**

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## CERTIFICATION.

This is to certify that this Environment Impact Assessment (EIA) was commissioned by the project proponent: **National Housing Corporation (NHC)** and was carried out by **Mwongera Murungi**, a National Environment Management Authority (NEMA) registered Environmental Impacts Assessment (EIA) and Environmental Audit (EA) lead Expert. This environmental impact assessment has been professionally done and documented in accordance with the Environmental Management and Coordination Act (EMCA), 1999 and the Environmental Impact Assessment and Audit Regulations 2003.

We the undersigned, certify that the particulars given in this EIA Study Report are correct to the best of our knowledge. We further certify that this report was prepared based on the information provided by the proponent – National Housing Corporation as well as that collected from site observations and various consultation during the EIA process. It is therefore an accurate and truthful representation of the findings at the time of the exercise.

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## **ACKNOWLEDGMENT.**

The EIA project team wishes to express gratitude to the management of National Housing Corporation (NHC) for commissioning this Environmental Impacts Assessment (EIA) process for the project. The team is grateful to all the NHC staff involved in the project for their assistance in organizing, managing and ensuring a smooth EIA process. The team also thanks all the stakeholders and neighbors who participated in the Consultation and Public Participation (CPP) exercise.

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## **ACRYONYMS.**

<b>AIPs</b>	Affected and Interested Parties.
<b>BQs</b>	Bills of Quantities
<b>CBD<sup>1</sup></b>	Central Business District
<b>CBD<sup>2</sup></b>	Convention of Biological Diversity
<b>CECs</b>	County Environmental Committees
<b>CPP</b>	Consultation and Public Participation
<b>DOSHS</b>	Directorate of Occupational Safety and Health Services
<b>EA</b>	Environmental Audit
<b>EIA</b>	Environmental Impact Assessment
<b>ELDOWAS</b>	Eldoret Water and Sanitation Company Limited
<b>EMCA</b>	Environmental Management and Co-ordination Act, 1999
<b>EMP</b>	Environmental Management Plan
<b>EPS</b>	Expanded Polystyrene Panel
<b>ERA</b>	Environmental Risk Assessment
<b>ERP</b>	Emergency Response Plan
<b>GOK</b>	Government of Kenya
<b>GPS</b>	Global Positioning System
<b>HIV/AIDS</b>	Human Immunodeficiency Virus Infection and Acquired Immune Deficiency Syndrome
<b>ILO</b>	International Labour Organization
<b>KPC</b>	Kenya Power Company
<b>M &amp; E</b>	Monitoring and Evaluation.
<b>NCA</b>	National Construction Authority
<b>NCCRS</b>	National Climate Change Response Strategy
<b>NEAP</b>	National Environment Action Plan
<b>NEC</b>	National Environmental Council
<b>NECC</b>	National Environmental Complaints Committee
<b>NEMA</b>	National Environment Management Authority
<b>NET</b>	National Environmental Tribunal
<b>NHC</b>	National Housing Corporation
<b>OHS</b>	Occupational Health and Safety
<b>OSHA</b>	Occupational Safety and Health Act, 2007
<b>PPEs</b>	Personal Protective Equipments
<b>SDG</b>	Sustainable Development Goals
<b>SEA</b>	Strategic Environmental Assessment
<b>SERC</b>	Standards Enforcement and Review Committee
<b>STD</b>	Sexually Transmitted Diseases
<b>STI</b>	Sexually Transmitted Infections
<b>ToRs</b>	Terms of Reference
<b>UNCED</b>	United Nations Conference on Environment and Development
<b>UNFCCC</b>	United Nations Framework Convention on Climate Change



## **EXECUTIVE SUMMARY.**

### **1. Introduction.**

The proponent, National Housing Corporation, proposes for construction of residential block on Plot Title No. Eldoret Municipality Block 11/42, Uasin Gishu County. This Environmental Impact Assessment (EIA) report seeks to fulfill the requirements of Environmental Management and Coordination Act (EMCA) 1999, which requires all projects listed in the second schedule to undergo the EIA process before their commencement.

The EIA Report addresses the potential environmental impacts associated with the proposed development. The EIA provides information on potentially significant impacts of the proposed project on the environment; the manner in which those significant impacts can be avoided or significantly reduced and any reasonable and feasible alternatives to the proposed project that would eliminate any significant adverse environmental impacts or reduce the impacts' levels to insignificant.

### **2. EIA objectives.**

The objective of this report is to define the proposed project, examine the environmental characteristics of the site and identify all the potential impacts of the site that may arise from the construction, operation and decommissioning of the proposed development. Potential environmental impacts were identified and evaluated with recommendations on appropriate mitigation measures.

### **3. EIA methodology.**

The EIA process included the following:

- Scoping to determine all potentially significant environmental impacts.
- Identifying the affected environment
- Predicting the potentially significant environmental impacts during construction, operation and decommissioning phases.
- Considering a range of alternatives to the proposed project.
- Developing an appropriate environmental management plan to mitigate or eliminate significant impacts and monitor future impacts.

#### **4. Positive environmental impacts.**

The proposed development would involve the construction of a number of housing units as proposed by the proponent. It would provide positive benefits such as employment for a significant number of persons, many who will be employed from the local community. Additionally, the cumulative effect of this type of development would result in noticeable economic benefits for the community. The proposed project will also make a positive contribution to infrastructure and overall residential development.

#### **5. Negative environmental impacts.**

Significant negative impacts identified for the project include:

- Increase in road traffic volume
- Social economic impact (influx of people, leading to increase in social vices)
- Increased pressure on existing infrastructure and utilities
- Air pollution (dust, exhaust)
- Noise and excessive vibrations pollution
- Threat to health of workers during construction
- Injury to workers

#### **6. Proposed mitigation measures.**

Mitigation measures have been proposed for the anticipated negative impacts. They include the following:

- Provision of Personal Protective Equipment (PPEs) to all workers on site
- Observing proper waste management practices
- Undertaking soil erosion control measures
- Training of workers
- Observation of good occupation safety and health practices and compensation for those who might suffer injuries
- Use of low noise machines and avoiding unnecessary racing of vehicles
- Planting of trees in the project site
- Construction activities to be restricted to daytime.

#### **7. Analysis of project alternatives.**

The EIA assessed project alternatives in terms of project site, materials and technology alternatives with capacity to achieve the same goal, and no project alternative.

## **8. Environmental Management Plan (EMP).**

In order to promote and maintain a healthy environment in the project area, an EMP has been developed which assures that the mitigation measures developed for reducing the significant negative impacts of the proposed project site to as low as reasonably practicable are implemented and maintained throughout the project lifecycle.

## **9. Conclusions and Recommendations.**

The Assessment of potential impacts of the proposed project showed that it will have significant beneficial impacts on the socio-economic environment. The potential negative impacts identified can be mitigated using mitigation measures recommended in this report. Proposals for the mitigation of the adverse impacts identified in this project have been incorporated into the impact management and monitoring of the project's environmental management plan (EMP). This EMP shall be implemented and maintained throughout the project's life cycle with the adverse impacts mitigated to as low as reasonably practicable.

In view of the foregoing and both in the short term as well as in the long term, there are no envisaged adverse changes that would warrant the non-implementation of the project. The positive impacts of the project outweigh the negative impacts and the environmental management plan developed for proper implementation of the mitigation measures are adequate enough to minimize negative impacts. It is recommended that NEMA grants approval for the proposed development.

## **CHAPTER ONE: INTRODUCTION.**

### **1.1. Project Background.**

The proponent, National Housing Corporation intends to construct a Residential Units Block in Kapsuswa, Kilimani location, Eldoret town, Turbo Constituency, Uasin Gishu County. The project falls under the Second Schedule of the EMCA, 1999. The Act requires all projects listed in the second schedule to undergo Environmental Impact Assessment for submission to NEMA and licensing before their commencement.

### **1.2. EIA Objectives.**

The main objective of this EIA was to investigate the environmental acceptability during construction, operation and decommissioning phases of the project. The specific objectives of the EIA were:

- To describe the project and associated works
- To establish site-specific biophysical, socio-economic and human health related baseline conditions of the project area
- To identify and describe elements of community and environment likely to be affected by the project and/or likely to cause adverse impacts to the project
- To discuss the various project alternatives
- To identify all impacts associated with the proposed project and propose mitigation measures for the negative impacts
- To develop an environmental management plan that covers all the phases of the project

### **1.3. Scope of the Project.**

This EIA report addresses all key potential environmental issues associated with the construction, operation and decommissioning phases of the project as specified under the Environmental (Impact Assessment and Audit) Regulations, 2003.

### **1.4. Project Justification.**

The primary mandate of NHC is to play a principal role in the implementation of the Government's Housing Policies and Programmes. There is need for the proposed project, which shall contribute towards its mandate. The proposed project shall also contribute towards providing modern and affordable houses in Eldoret Town.

### **1.5. Terms of Reference (TOR) for the EIA.**

The terms of reference for the EIA are: -

- Provide a detailed evaluation and description of proposed development with a focus to determine its impacts, waste generation and disposal, safety and health aspects
- Establish baseline information for the proposed project site
- Identification of the legal and legislative framework relevant to the proposed project
- Identify all the impacts associated with the proposed project and propose mitigation measures for the negative impacts
- Analysis of the various project alternatives
- Develop an environmental management plan outlining provision for environmental action plans and responsibilities to ensure environmental performance both in the short- and the long term.
- Produce a comprehensive EIA report for the proposed project
- Submit copies of the project report to NEMA for issuance of EIA License

### **1.6. EIA Team.**

The EIA was conducted by a team of professionals as required by the environmental impact assessment and audit regulations 2003. The team involved is as shown in table 1 below.

Table 1: The EIA Team.

<b>NO.</b>	<b>NAME.</b>	<b>DESIGNATION.</b>	<b>LICENSE NO.</b>
<b>1.</b>	Mr. Mwongera Murungi	Environmental planner - NHC	0892 (See Appendix I)
<b>2.</b>	Mr. Jackson M. Mwaura	Ag General Manager Business Development - NHC	2020
<b>3.</b>	Mr. Christopher Nyongesa	Chief Architect - NHC	N/A
<b>4.</b>	Mr. Robert Ambuku	Ag General Manager Technical - NHC	N/A
<b>5.</b>	Mr. Richard Ng'etich	NHC Officer in Charge - Eldoret	N/A
<b>6.</b>	M/s. Veronicah K. Mutuku	EIA/EA Associate expert	7529
<b>7.</b>	M/s Vivian Nasike Wanyama.	EIA/EA Associate Expert.	9108

## **1.7. Study Approach and Methods.**

### ***1.7.1. Environmental Screening.***

This step was applied to determine whether or not an environmental impact assessment was required and what level of assessment was necessary. This was done in reference to requirements of the EMCA, 1999, and specifically the second schedule.

### ***1.7.2. Environmental Scoping.***

Scoping was done to determine the content and extent of matters that should be covered in the environmental impact assessment to be submitted NEMA.

### ***1.7.3. Literature Review.***

This involved review of documented baseline information, relevant legislations documents, architectural drawings and analysis of literature for acquisition of secondary data.

### ***1.7.4. Site Visits.***

Site visits were done with the objective of familiarizing the team with the proposed project site area

### ***1.7.5. Consultation and Public Participation.***

Public participation was carried out to inform stakeholders and other Affected And Interested Parties (AIPs) on the proposed project. This included provision of sufficient information on the proposed project to stakeholders to allow them to give their comments.

### ***1.7.6. Report Writing and Documentation.***

The findings of the impact assessment were combined into a final report, for submission to NEMA.

## **CHAPTER TWO: PROJECT DESCRIPTION.**

### **2.1. Proposed Project.**

The project proponent is National Housing Corporation a state corporate in Ministry of Transport, Infrastructure, Housing and Urban Development, State Department For Housing and Urban Development. The proponent is proposing to construct a fourteen (14) storey block with at a total of hundred and eighty (182) consisting of one hundred and eighty (180) one bedroom units and two (2) studio / commercial units and with auxiliary feature to include; pedestrian walkways, a self contained gate house, landscaped gardens, courtyards, driveways/parking.

### **2.2. Proposed Location of the Project and Site Ownership.**

The proposed project site is on Plot Title No. Eldoret Municipality Block 11/42, Uasin Gishu County. It is approximately 2.687 hectares in size. It is accessible through Mtaa Road. It is in Kapsuswa in Kilimani Location, in Eldoret town, in Kiplombe ward, Turbo Constituency. The land is owned by the project proponent. Title deed is attached in appendix II. The proposed project site is a vacant open area within existing NHC Kapsuswa Rental Housing Scheme. The site lies on Global Positioning Satellite (GPS) coordinates; latitude 0.530245° and longitude 35.259458° at approximately 2080 m above sea level. See the figure 1 below. It is approximately 2.9 km from Eldoret Town Central Business District (CBD<sup>1</sup>). See figure 2 below.



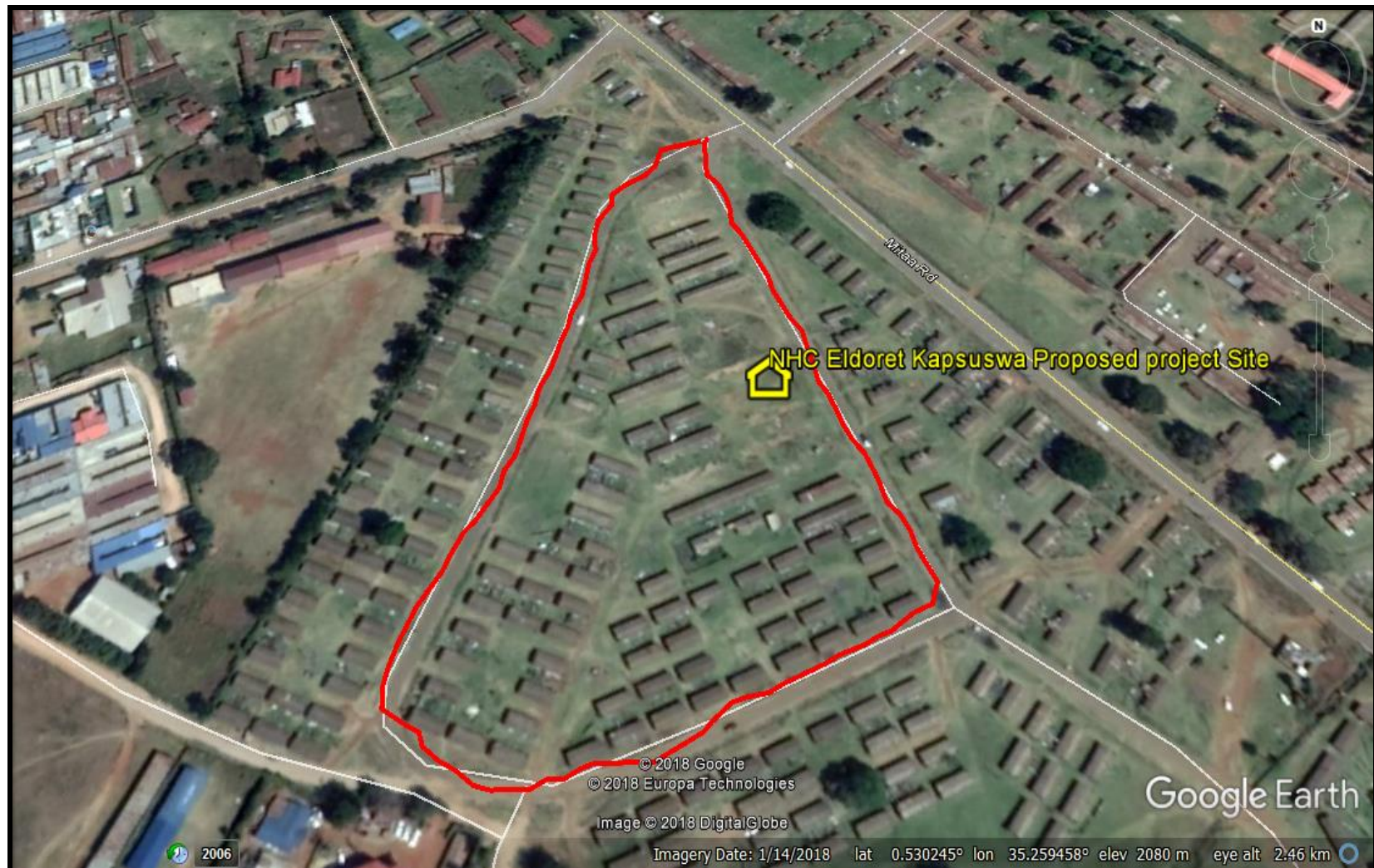


Figure 1: Google map showing the geographic location of the proposed project.  
Source: [www.googleearth.com](http://www.googleearth.com)



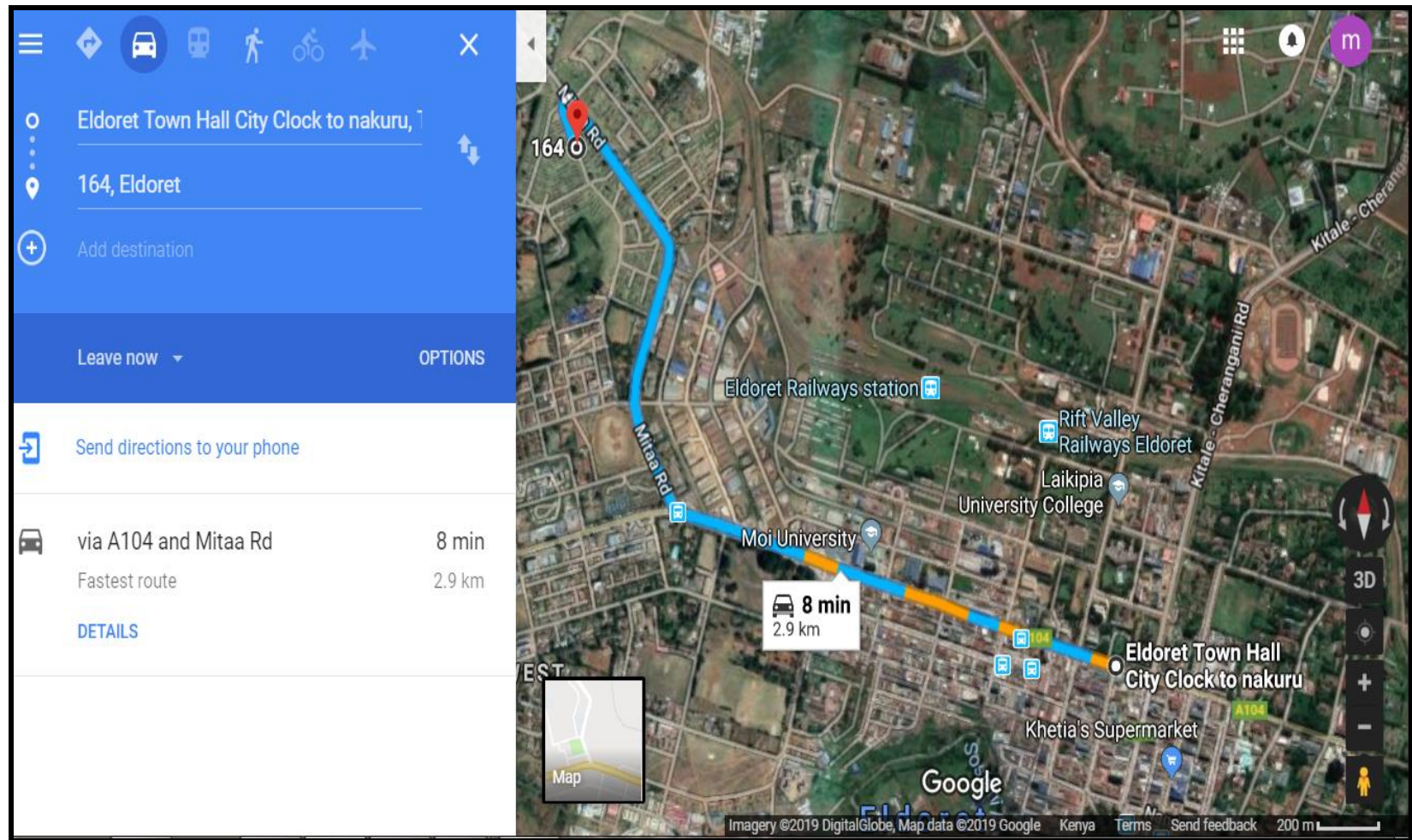


Figure 2: Google map showing the distance and direction of the proposed site from Eldoret Town CBD<sup>1</sup>.

Source: <https://www.google.com/maps>.

### 2.3. Project Specifications and Components.

The proposed development will have one residential block. Table 2 below gives a summary of the components the block.

Table 2: Proposed project data.

<b>PROJECT DATA (G + 13)</b>	
Ground Floor.	@729M <sup>2</sup> (Excludes the court) 12 one bed room units. 2 studio/ commercial units.
1 <sup>st</sup> Floor.	@694M <sup>2</sup> per floor. 14 one bed room units.
2 <sup>nd</sup> - 13 <sup>th</sup> floor.	@10X653M <sup>2</sup> per floor. 14 one bed room units x10=140units.
Roof floor.	@732M <sup>2</sup> .
Others features include.	<ul style="list-style-type: none"> <li>• Precast concrete parking and walkways.</li> <li>• Self-contained gate house.</li> <li>• Chain link perimeter fence.</li> </ul>
<b>TOTAL UNITS.</b>	<b>182</b> (180 one bed room units and 2 studio / commercial units).

The approved proposed project architectural drawings are attached in appendix VI.

### 2.4. Materials Input, Products, By – Products and Waste.

#### 2.4.1. Materials Input.

The proposed project inputs include the following: -

1. Construction machines will include machinery such as trucks, concrete mixers and other relevant construction equipment. These will be used for the transportation of materials, mixing of materials and clearing of the vegetation and resulting construction debris. Most of the machinery will use petroleum products to provide energy;
2. Water which shall be sourced from Eldoret Water and Sanitation company.
3. Labor force of both skilled and non-skilled workers. The contractor shall source labor from the local community wherever possible.
4. Construction materials will include EPS Panels, sand, cement, glass, wood, gravel/ ballast, metals.

#### A. EPS panels general descriptions.

The proposed project shall be constructed using EPS panels from NHC factory in Mlologo area, Machakos County. EPS panels is an industrial system for construction of structural walls of reinforced concrete for buildings in single panel upto four storey G+3,

and theoretically unlimited storeys in double panels. The panels are wave shape polystyrene covered both sides by electrowelded zinc coated square mesh. The panels are assembled on site and in situ poured concrete (double panel, floors, stairs) and shotcreted concrete (single panel) to rely on the different elements of the system.

The use of EPS panels as a substitute to traditional materials used in erecting walls, stairwells, floors and roofs is expected to reduce construction periods as well as direct and indirect building costs. Besides the return on capital invested, building a house using the EPS panels will significantly take less time than when constructing using conventional materials such as stones.

### **B. Advantages of EPS Panels.**

EPS Panels are:

1. Light material
2. Easy to install - fast construction
3. Fire resistant
4. Energy efficient
5. Lower utility costs
6. Earthquake resistant
7. Versatile – flexible design
8. Storms resistant
9. Superior strength

### **C. Types of EPS panels.**

1. **Single panel-** used as bearing structure for buildings up to 3÷4 storey, on site finishing with structural shotcrete plastering in both sides; partitions; floors with short span.
2. **Double panel-** two single panels with internal and external mesh, assembled through connectors, the concrete is poured “in situ”. The thickness of the core concrete will be defined on the basis of the structural requirements. The outside panel is finished using standard plaster or ready mix material. Used as a load bearing wall for single and multi-storey buildings.
3. **Floor panel -** Used for floor slabs and roofs with variable thickness according to the span. The reinforcing steel is placed inside the beams and poured with concrete on site.

See figure 3 below.

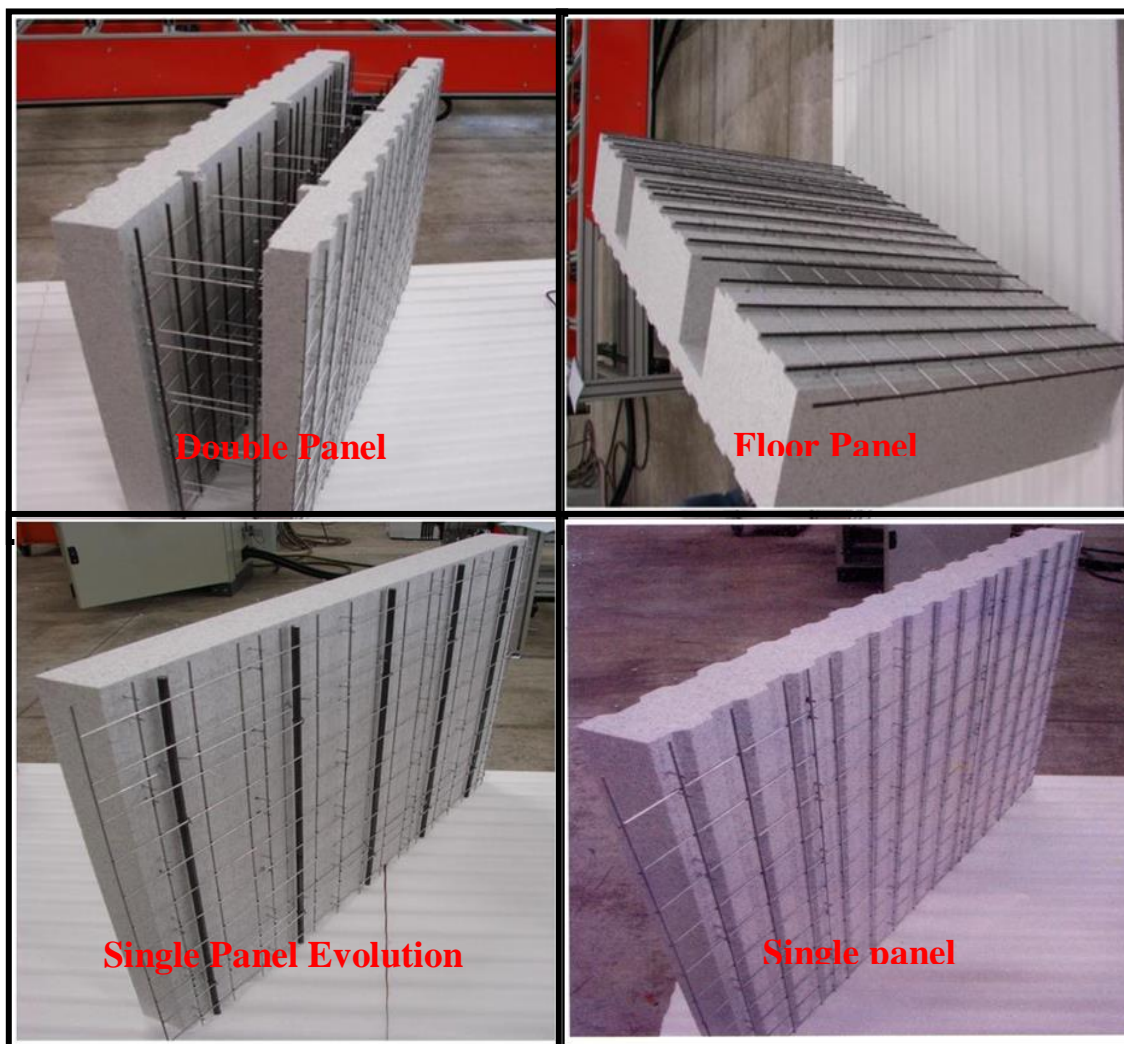


Figure 3: various types of EPS panels like to be used in the construction of the proposed project.

#### **2.4.2. Waste and By-Products.**

Wastes and by products will be produced on the project site. These wastes include; broken glasses, pieces of broken tiles, nails, pieces of broken wood and pieces of roofing materials. The contractor will emphasize on efficiency to minimize construction wastes. The contractor will work hand in hand with private refuse handlers to facilitate waste handling and disposal from the site. The wastes will be disposed off at licensed dumpsites.



### ***2.4.3. Outputs.***

The output of the proposed project will include the following:

1. One block (Ground plus 13 floors) consisting of 182 [(180 one bed room units and 2 (studio / commercial units)]
2. Precast concrete parking and walkways,
3. A self contained gate house,
4. Chain Link perimeter fence

## **2.5. Project Activities during the Pre-Construction Phase.**

### ***2.5.1. Project Planning and Management.***

This phase involved design and drawing of Architectural plans and designs, preparation of bills of quantities, tendering process for the contractor, development of the work plans and schedules. It also involved applying for the various permits and licenses including the county government approval of the project, national construction authority registration and NEMA approval.

### ***2.5.2. Sourcing and Transportation of Project Inputs.***

The proponent will source several building materials locally. The great emphasis that will be laid on procurement of building materials from within the local area makes both economic and environmental senses since it reduces negative impacts of transportation of the materials to the project site through reduced distance of travel by the materials transport vehicles. Building materials will be transported to the project site from their extraction, manufacture, or storage sites using transport trucks. There are adequate road linkages for the purpose of smooth transport of building materials into the project site.

### ***2.5.3. Storage of Building Materials.***

Building materials will be stored on site according to their need. Bulky materials such as EPS Panels, rough stones, ballast, sand and steel can be carefully piled and covered on site. Materials such as cement, paints and glasses among others shall be stored in temporary storage rooms conveniently within the project site for this purpose.

## **2.6. Project Activities during the Construction Phase.**

### ***2.6.1. Site Clearing Works.***

The proposed project site will be prepared for construction. Site clearance works entails clearing the site of all grass, bushes, shrubs, undergrowth and small trees, grub up roots and reinstate ground, and carting away arising, cut down trees, grub up roots, reinstate ground and carting away debris. In the proposed project, site clearance will not involve the use of heavy machinery or explosives.

### ***2.6.2. Setting Out.***

The contractor shall set out the works in accordance with the dimensions and levels shown on the drawings and shall be responsible for the correctness of all dimensions and levels so set out by him and will be required to amend all errors arising from inaccurate setting out or discrepancy in the dimensions or levels marked on the drawings, such errors or discrepancies must be reported by the contractor to the project manager for his immediate attention. No work shall be commenced by the contractor until he has received written instructions from the project manager to adjust such discrepancies which may have been proved. Upon receipt of such instructions the contractor shall there upon be responsible for the accurate setting out of the work giving effect to the adjustments necessary to comply with such instructions.

### ***2.6.3. Securing of Works.***

It is a requirement to for the contractor to provide security for the works, stores materials, personnel's, etc for both his own and sub-contractors and shall provide all necessary watching, lighting and other precautions as necessary to ensure the security and the protection of the public. Fence off the proposed site before commencing any activity. Thus the site will be fenced off to ensure security for the site and protection of those passing nearby both vehicular and pedestrian traffic and comply with rules.

### ***2.6.4. Erecting a Signboard.***

During the construction phase of the project, the project's sign board will be erected to make the public aware of the development and to keep away intruders. The signboard will have the following:

- The Project title

- The proponent name and address
- The Contractor
- The County Government approval number
- The architect's details
- Engineers
- Quantity surveyors
- EIA license Number

#### ***2.6.5. Site Office.***

The contractor will construct a temporary site office to run and manage all activities at this phase. The Site office may be used to store some of materials such as cement, glass, windows, doors and other material which cannot be kept outside in the proposed site.

#### ***2.6.6. Removal of Surplus Materials.***

All surplus materials, where so directed, and all rubbish, will be carried away from the site and the contractor shall find his own dump and pay all the charges.

#### ***2.6.7. Construction of Substructures.***

##### ***2.6.7.1. Excavation and foundation works.***

Excavation will be carried out to prepare the site for construction of foundations, pavements, and drainage systems.

#### ***2.6.8. Construction of Super Structure.***

##### ***2.6.8.1. Masonry, Concrete Work and Related Activities.***

General masonry and related activities include, concrete mixing, plastering, slab construction, construction of foundations, and erection of building walls and curing of fresh concrete surfaces. The construction of the building walls, foundations, floors, pavements, drainage systems, and parking among other components of the project involves a lot of masonry work, laying of plumbing and related activities. These activities are known to be labour intensive and will be supplemented by machinery.

##### ***2.6.8.2. Structural Steel Works.***

The building will be reinforced with structural steel for stability. Structural steel works involve steel cutting, welding and erection.

#### **2.6.8.3. Floors.**

Floors shall be constructed using EPS panels, reinforced concrete or any other adequate material to engineer's details.

#### **2.6.8.4. Walls.**

Walls will be constructed using EPS panels, manufactured by the NHC factory, in walling, joined using galvanized soft iron tying wire and anchored on concrete floor slab.

#### **2.6.8.5. Doors.**

Doors shall be made of standard lightweight 3mm steel and wooden doors on standard conventional steel and wooden frames complete with standard ironmongery, finishes and finishing. All external doors to be steel to attractive designs. Flush doors shall be made of prime grade cypress in flush doors. External doors shall be made of steel. They will have standard glazed mild steel mild casement.

#### **2.6.8.6. Windows.**

Window will be made of steel casement, windows primed with 6 red oxide primer before delivery to the site and including building in the lugs to jambs, plugging and screwing to head and cill and bedding frame in water proof cement, motor and pointing in approved mastic complete with brass window stays and fasteners.

#### **2.6.8.7. Roofing Works.**

All roofs will include concrete roof slabs plus a false roof. False roofs shall be 3mm coloured onduvilla tiles roof coverings laid as per manufacturers specifications.

#### **2.6.8.8. Fire Fighting.**

Dry powder and carbon dioxide portable fire extinguishers shall be installed. Fire boxes containing fire hydrant hoses and nozzles shall be provided besides every fire hydrant outlet. Each of the blocks shall have two fire hose reels and four portable fire extinguishers. Fire hose reel booster pumps shall be provided for each block and shall utilize the water from the underground water tank. A dry riser fire fighting system shall also be provided in each block. Each fire box shall have 2 No. Canvas hoses, connectors and nozzles.



#### ***2.6.8.9. Fire Alarm System.***

The contractor shall supply, install, test and commission a fire alarm system as specified. The fire alarm system shall be controlled by fire alarm control/ indicator panel in the operations room with repeater panels in designated areas. The heat and smoker detectors shall be sensitive devices. The indicator panel shall be zone marked to clearly indicate the areas where the alarm is originating from.

#### ***2.6.8.10. Mechanical Installations.***

All the water for the units shall be stored in one large underground tank for every block and boosted directly through water meters using 2No. water pumps (duty and standby) with a pressure vessel. Each unit shall be metered separately. The incoming water supply shall be through a 100mm diameter class “B” galvanized mild steel water pipe and meter. It shall then be distributed to the various underground tanks. A separate underground water tank and booster pumps for the fire hydrant system shall also be provided. Fire boxes containing fire hydrant hoses and nozzles shall be provided besides every fire hydrant outlet. Each of the blocks shall have two fire hose reels and four portable fire extinguishers. Fire hose reel booster pumps shall be provided for each block and shall utilize the water from the underground water tank. A dry riser fire fighting system shall also be provided in each block.

#### ***2.6.8.11. Electrical Distribution System.***

The switchgear shall be complete with restricted earth fault relays for protection of the supply cable back to the transformer. Fittings of appropriate specifications shall be installed in the decanting units. Final sub- circuit wiring shall be carried out using single core PVC insulated copper cables enclosed in conduit/ trunking.

#### ***2.6.8.12. Sanitary Fittings.***

All sanitary fittings shall be as” Twyfords or equal and approved.

#### ***2.6.8.13. Telephone and Computer Outlets.***

25mm conduit in slab and wall with draw wires and metal trunking shall be used for distribution of telephone and computer outlets.

#### **2.6.8.14. Finishes.**

**1. External and internal wall finishes:** Thick cement sans rendering vertical wall will be used for external walling while gauge cement and sand plaster will be used for internal wall finishes.

**2. Wall tiles:** wall tiling to full height in kitchen and wet areas.

**3. External / internal floor finishes:** Floor tiles to in all internal areas to be laid centrally with boarder aprons all round. Polished terrazzo to be used in common circulation areas such as staircases complete with nonslip carborundum.

**4. Internal ceiling finishes:** Ceilings will be painted in all lower floors.

**5. Painting and decorations works:** Surfaces will be prepared and one undercoat applied and two finishing coats of first quality emulsion painted on the plastered walls, plastered and fibre board ceilings soffits internally and rendered vertical surfaces externally.

**6. Parking and driveway:** This will entail construction of road works in linking to existing, kerbs and channels, footpaths, Road markings (paintworks), storm water drains, gully chambers, inverted block drains, cast *insitu* drains, connection.

**7. Drainage (Storm and foul):-** shall be made of precast concrete/uPVC pipes in concrete beds and surrounds in trenches.

**8. Storage fittings/ Worktops- Kitchens and wardrobes.**

Shall be made of standard joinery with requisite ironmongery, finishing, painting. Worktops to incorporate concrete cast in-situ. Every bedroom to be provided with adequate wardrobes including drawings, shoe racks and shelvings to approved details.

#### **2.6.8.15. External Works.**

This will entail; Site clearance; Water reticulation, fire fighting and external drainage; fire hydrants and accessories, other pipe works, external water storage, external drainage and gate house / guard house.

### **2.7. Site (Project) Activities during the Operation (Occupancy) Phase.**

#### **2.7.1. Residential, Tenancy and Related Activities.**

Once the construction of the residential block is completed, interested members of the public will occupy the housing units. The facility will be used for residential purposes,

purposes. Activities associated with operation of the premises will automatically lead to generation of greater volumes of domestic waste.

This stage shall involve running and managing the facility as per the laid down rules and procedures. The occupants will need to carry out their operations with due diligence in regard to environmental best practice.

#### ***2.7.2. Solid Waste Management.***

Various domestic activities will result to the generation of solid wastes. The proponent will provide skips for temporarily holding waste and install garbage collection for handling solid waste generated within the development. Solid waste generated will be collected by a private waste collection contractor for disposal at approved disposal sites.

#### ***2.7.3. Waste Water Management.***

Sewage generated from the proposed site will be discharged into the existing Eldoret Water and Sanitation Company Limited (ELDOWAS) sewer line, while storm water from the roof of the premises will join storm water drainage system.

#### ***2.7.4. Cleaning.***

The proponent will contract a registered company for cleaning services. The cleaning services company's duties will include cleaning of the shared areas like corridors, stairs and compound. It will also be involved in gathering and delivering waste onto the central collection place within the site. Cleaning operations will involve the use of substantial amounts of water, disinfectants and detergents.

#### ***2.7.5. General Repairs and Maintenance.***

The proponent will be responsible for the repairs and maintenance regularly during the operational phase of the project. Such activities will include repair of building walls, floors, repair and maintenance of electrical fittings and equipment, repairs of leaking water pipes, painting and replacement of worn out materials among others.

### **2.8. Project Budget.**

The proposed project cost is estimated at approximately Kenya Shillings Five hundred million only (KShs.500,000,000). There is no EIA license fee levied on EIA project report submitted to NEMA.

## **2.9. Decommissioning of the Project.**

Decommissioning is the process of shutting down a building and/or removing it from operation or use. Decommissioning may be followed by re-commissioning, repurposing or demolition. In a case where the development completes its lifecycle or in case of change of use, decommissioning shall become necessary.

Prior to commencement of decommissioning works, the proponent shall prepare a decommissioning plan that documents the activities and schedule to bring to a close the development. The decommissioning plan shall be submitted to NEMA for approval at least three (3) months prior to decommissioning. Other stakeholders will be informed of intent to cease operations well in advance. The table 3 below gives a summary of the activities for decommissioning of the proposed project.

Table 3: Summary of decommissioning activities.

<b>Activities.</b>	<b>Description.</b>
Change of use scenario	In a situation where there is a change of use, decommissioning process may entail project structures alteration for different utilization. Upon alteration and demolition of some features and structures, the affected land will need to be reclaimed or restored into a natural condition through landscaping and planting of vegetation.
End of life scenario	<p>End of life refers to the final stages of the project phase of use. In a situation where the project completes its' lifecycle, it is recommended that it should be decommissioned. Decommissioning process could typically the following scenario of selective demolition, which involves the careful deconstruction of building components for repair, re-use, repurposing or recycling. With the aim of minimizing waste for disposal and maximizing re-use.</p> <p>Selective demolition will include following activities:</p> <ul style="list-style-type: none"><li>• Preliminary work which include removal of remains</li><li>• Removal of installations which include windows doors, pipes, floors etc,</li><li>• Demolition of shell structures, which involves manual labor, and machine works,</li></ul>

<b>Activities.</b>	<b>Description.</b>
	<ul style="list-style-type: none"> <li>• Finishing of works involving transportation of demolition waste to NEMA licensed disposal site.</li> </ul>
Removal of demolition wastes	<p>At the end of a building's life, it may be deconstructed or demolished, generating significant amounts of waste materials that then need to be disposed of.</p> <ul style="list-style-type: none"> <li>• All materials that can be reused or recycled shall be removed and reused or rather sold for recycling.</li> <li>• All wastes generated as a result of facility decommissioning activities will be handled in compliance with Waste Management Regulations, 2006.</li> </ul>
Site rehabilitation	<p>Upon completion of the decommissioning activities, the site shall be restored in areas that were affected by the facility infrastructure. Site rehabilitation will include, but not be limited to:</p> <ul style="list-style-type: none"> <li>• Removal of any impacted soils, if any, and replacement with suitable clean fill material</li> <li>• Filling in of any open pits</li> <li>• Re-vegetation of the project site as appropriate</li> </ul>

## **CHAPTER THREE: BASELINE INFORMATION.**

### **3.1. Introduction.**

The proposed project is located in Eldoret, Uasin Gishu County. The County borders six counties, Elgeyo Marakwet County to the East, Trans Nzoia to the North, Kericho to the South, Baringo to the South East, Nandi to the South West and Bungoma to the West.

### **3.2. Physical Environment.**

#### **3.2.1. Climate.**

Uasin Gishu County experiences high and reliable rainfall which is evenly distributed throughout the year. The average rainfall ranges between 624.9 mm to 1,560.4mm with two distinct peaks occurring between March and September; and May and August.. The average temperature is 16.8 °C. The driest month is January. With an average of 18.1 °C, March is the warmest month.

#### **3.2.2. Drainage / Hydrogeology and Soils**

Uasin Gishu County lies within the Lake Victoria catchment zone and all its rivers drain into the lake. The major rivers include Sosiani, Kipkaren, Kerita, Nderugut, Daragwa, and Sambu.

The soils which comprise of red loam soils, red clay soils, brown clay soils and brown loam soils mainly support maize, sunflower, wheat, pyrethrum, potatoes and barley farming. They also support livestock rearing and forestry.

#### **3.2.3. Physical and Topographic Features.**

Uasin Gishu County is a highland plateau with altitudes falling gently from 2,700 metres above sea level to about 1,500 metres above sea level. The topography is higher to the east and declines gently towards the western border. The County is physiographically divided into three zones: the upper highlands, upper midlands and lower highlands. These zones greatly influence land use patterns as they determine the climatic conditions.



### **3.3. Biological Environment.**

#### **3.3.1. Fauna and Flora.**

The vegetation in the project area consists of minimal trees, shrubs and grass. There are few bird and insect species visible in the area. See figure 4 below



Figure 4: Visible ecological outlook of the proposed project site.

### **3.4. Socio-Economic Environment.**

#### **3.4.1. Population.**

Uasin Gishu County is home to 894,179 people as per the 2009 Population and Housing Census. It is largely a cosmopolitan region, with the Nandi people of indigenous Kalenjin communities having the highest settlement.

Apart from Kalenjin sub tribes, other communities in the county especially in urban settlements include Luhya, Kikuyu, Luo, Kamba, Kisii among others. Although traditionally pastoralists, modern Kalenjin communities are mainly large scale wheat and maize farmers Dairy farming is also done in large scale in most parts of the county. Various food and horticultural crops also do well in the highly arable land.

Kalenjin ethnic groups are renowned for exceptional performance in sporting activities, especially athletics. Uasin Gishu is referred to as a county of champions and long distance marathon supernstars owing to their prowess in international athletic sports

performances. Other communities living in the county are entrepreneurs, mainly operating businesses in urban centers.

### ***3.4.2. Socio Framework.***

Eldoret is surrounded by prime agricultural lands and acts as a trading centre for Uasin Gishu's economy which is driven by large-scale grain farming, dairy and horticultural farming. The town is also a local manufacturing town with a number of nationally recognised manufacturing industries, including Raiplywoods, Rupa Textiles, Kenya Pipeline Company, Kenya Co-operative Creameries as well as corn, wheat and pyrethrum factories all within the town. The three main livelihoods in the County are mixed farming (food crops and livestock), mixed farming (commercial crops and livestock –dairy) and formal/casual employment.

### ***3.4.3. Land and Land Use.***

The Uasin Gishu County has an average land holding of 5 hectares in rural areas, and 0.25 of hectares within Eldoret Municipality. Land use practices vary considerably across the County. The current land use activities in the area residential and commercial activities. The site is currently occupied by old residential houses which shall be demolished for redevelopment. See figure 5 below.



Figure 5: Land use type in the vicinity of the proposed project site.



#### **3.4.4. Infrastructure.**

##### **3.4.4.1. Roads, Railways and Airport.**

The County has an extensive road network comprising of over 300 Kms of tarmac roads, 549 Kms of marrum and 377 Kms of earth roads. It has 179 Kms of railway line with 8 railway stations. In addition, there is an inland container depot. The Moi International Airport and two airstrips are also located in this County. The site is accessible through Mitaa Road from the Eldoret - Kitale Road. See figure 6 below



Figure 6: Access road to the proposed project site.

##### **3.4.4.2. Communication.**

The County has about 95% mobile phone coverage which is provided by all the major service providers in Kenya. It also has 16 post offices and 4 sub-postal offices. See figure 7 below.



Figure 7: Communication mast within the vicinity of the proposed project site.

#### **3.4.4.3. Energy Access.**

The proposed project shall be connected to electricity from Kenya Power Company (KPC). See figure 8 below.



Figure 8: Power supply line within the vicinity of the proposed project site.

#### **3.4.4.4. Water Supply.**

The main water resources in the County include dams, rivers, boreholes, shallow wells and springs.



The water supply schemes in the County include Eldoret Water and Sanitation (ELDOWAS), Turbo, Moi's Bridge, Sosiani, Sambut, Kipkabus, Burnt Forest and Ngeria. The proposed project shall source water from ELDOWAS. See figure 9 below



Figure 9: Water supply duct at on the proposed project site.

#### **3.4.4.5. Sewer System.**

The proposed project shall be connected to the existing Eldoret Water and Sanitation (ELDOWAS) sewer line system which is already available within the proposed project site. See figure 10 below.



Figure 10: Public Sewer manhole within the vicinity of the proposed project site.

**3.3.4.6. Solid Waste Management.**

The proponent shall contract a NEMA licensed waste handler for proper management of waste generated from the proposed project.

## **CHAPTER FOUR: POLICY, LEGAL AND INSTITUTIONAL FRAMEWORK.**

### **4.1. General Overview.**

This section describes the Policy, Legal and Institutional framework, which proposed development shall need to comply with during its lifecycle. .

### **4.2. Policies.**

#### ***4.2.1. National Environmental Action Plan (NEAP.)***

The Kenya NEAP Report addresses environmental issues in a cross-sectoral and in an integrated fashion. The NEAP provides not only a strategy for achieving sustainable development in Kenya, but also a basis for translating Agenda 21 - the Global Programme of Action on Environment and Development, which is one of the outcomes of the United Nations Conference on Environment and Development (UNCED).

#### ***4.2.2. Environmental Impact Assessment Guidelines Policy, 2002.***

The EIA guidelines require that an EIA be conducted in accordance with the issues and general guidelines spelt out in the second and third schedules of the regulations. These include coverage of the issues on schedule 2 (ecological, social, landscape, land use and water considerations) and general guidelines on schedule 3 (impacts and their sources, project details, national legislation, mitigation measures, a management plan and environmental auditing schedules and procedures. This assessment has been conducted according to the EIA guidelines. (NEMA, 2002)

#### ***4.2.3. National Housing Policy.***

The overall goal of this Housing Policy is to facilitate the provision of adequate shelter and a healthy living environment at an affordable cost to all socio-economic groups in Kenya in order to foster sustainable human settlements. This will minimize the number of citizens living in shelters that are below the habitable living conditions. It will also curtail the mushrooming of slums and informal settlements especially in the major towns. (GOK, 2004)

#### ***4.2.4. National Policy on Water Resources Management and Development.***

This sessional paper, therefore, sets out the framework that is intended to bring about a culture that promotes comprehensive water resources management and development with

the private sector and community participation as the prime movers in the process to guarantee sustainability. It also tackles issues pertaining to Water Resources Management, Water and Sewerage Development, protection of water resources from pollution. (GOK, 1999)

#### ***4.2.5. Physical Planning Policy.***

The physical planning policy governs the development and approval of all building plans as provided for in the Physical Planning Act (Cap 286). The proposed project will be subjected to the provisions of this policy and legislation. (GOK, 1996)

#### ***4.2.6. Public Health Policy.***

The policy calls upon the project proponent to ensure that buildings are adequately provided with utilities so that they are fit for human habitation. The proposed development will have all amenities/utilities that are essential for safeguarding public health for all people using the facilities during the construction, operational and decommissioning phases of the project. (GOK, 1986)

#### ***4.2.7. National Climate Change Response Strategy, (NCCRS).***

The purpose of the NCCRS is to put in place robust measures needed to address most, if not all, of the challenges posed by climate variability and change. It is divided into ten chapters. Chapter one looks at the history of climate change, challenges and international efforts to combat climate change. The remaining chapters give details on evidence and impacts of climate change; strategic focus of the national climate change response strategy (NCCRS); adaptation and mitigation interventions; communication, education and awareness programmes; vulnerability assessment; research, technology development and transfer; policy, legislation and institutional framework; as well as action plan, implementation framework and resource mobilisation plan, respectively. (GOK, 2010)

#### ***4.2.8. Policy Paper on Environment and Development (Sessional Paper No. 6 of 1999)***

The overall goal is to integrate environmental concerns into the national planning and management processes and provide guidelines for environmentally sustainable development. The paper provides comprehensive guidelines and strategies for government action regarding environment and development. (GOK, 1999)



#### ***4.2.9. Sustainable Development Goals, (SDGs).***

The Sustainable Development Goals (SDGs), otherwise known as the Global Goals, are a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity.

These 17 Goals build on the successes of the Millennium Development Goals, while including new areas such as climate change, economic inequality, innovation, sustainable consumption, peace and justice, among other priorities. The goals are interconnected – often the key to success on one will involve tackling issues more commonly associated with another.

The SDGs work in the spirit of partnership and pragmatism to make the right choices to improve life, in a sustainable way, for future generations. They provide clear guidelines and targets for all countries to adopt in accordance with their own priorities and the environmental challenges of the world at large. (United Nations, 2015)

#### ***4.2.10. Vision 2030.***

Kenya Vision 2030 is new long-term development blueprint for the country. It is motivated by collective aspiration for a much better society than the one we have today, by the year 2030. The aim of Kenya Vision 2030 is “the globally competitive and prosperous country with a high quality of life by 2030.” It aims at transforming Kenya into “a newly industrialising, middle income country providing a high quality of life to all its citizens in a clean and secure environment” The Vision is anchored on three key pillars: economic; social; and political governance. Relevant to the proposed project is the social pillar which seeks to create a just, cohesive and equitable social development in a clean and secure environment. (GOK, 2008)

### **4.3. Legal Aspects.**

#### ***4.3.1. National.***

##### ***4.3.1.1. The Constitution.***

The Constitution guarantees the right to a clean and healthy environment in Article 42. It further guarantees the right to have the environment protected for the benefit of present and future generations through legislative and other measures particularly those contemplated in article 69 and the right to have obligations relating to the environment fulfilled under Article 70

Article 69 imposes obligations on the State. The state is required to establish systems of environmental impact assessment, environmental audit and monitoring of the environment, eliminate processes and activities that are likely to endanger the environment and utilize the environment and natural resources for the benefit of the people of Kenya. Article (69) (2) imposes obligations on every person, to cooperate with state organs and other persons to protect and conserve the environment and ensure ecologically sustainable development and use of natural resources.

Article 70 provides an avenue for redress for any person who alleges that the right to a clean and healthy environment has been, is being or is likely to be denied, violated, infringed or threatened. (GOK, 2010)

The proponent shall ensure a clean and healthy environment during all the proposed project phases

#### ***4.3.1.2. The Environmental Management and Coordination Act, 1999.***

An act of parliament to provide for the establishment of an appropriate legal and institutional framework for the management of the environment and for matters connected therewith and incidental thereto.

The act requires all new projects listed in the second schedule to conduct an Environmental Impact Assessment before implementation to ensure that the activities at their premises comply with all legal and institutional frameworks that are in place to safeguard the environment, health and safety of the workers. (GOK, 1999)

#### ***4.3.1.3. The Environment (Impact Assessment and Audit) Regulations, 2003.***

These regulations provide the procedures for carrying out Environmental Impact Assessments and Environmental Audits in Kenya.

This Report has been prepared in accordance with the guidelines provided in the regulations. (NEMA, 2003).

#### ***4.3.1.4. Environmental Management and Co-Ordination (Waste Management) Regulations 2006.***

These are described in Legal Notice No. 121 of the Kenya Gazette Supplement No. 69 of September 2006. These Regulations apply to all categories of wastes as provided in the Regulations. The Regulations outline requirements for handling, storing, transporting,

and treatment / disposal of all waste categories. All wastes generated from the proposed project shall be handled in compliance with these regulations. . (NEMA, 2006)

***4.3.1.5. Environmental Management and Coordination (Water Quality) Regulations, 2006.***

These regulations set the standards of domestic water and waste water. The regulations are meant for pollution control and prevention and provide for the protection of water sources.

Part II of the regulations on prevention of pollution states that “Every person shall refrain from any action which directly or indirectly causes, or may cause immediate or subsequent water pollution, and it shall be immaterial whether or not the water resource was polluted before the enactment of the Act”.

The proponent shall comply with the provisions of these regulations. (NEMA, 2006)

***4.3.1.6. Environmental Management and Coordination (Noise and Excessive Vibrations Pollution Control) Regulations, 2009.***

These Regulations are aimed at minimizing the impacts of noise and vibrations and set acceptable noise levels for activities in addition and working hours.

Construction activities shall only be carried out during day time. (NEMA, 2009)

***4.3.1.7. The Occupational Health and Safety Act (OSHA), 2007.***

An Act of Parliament to provide for the safety, health and welfare of workers and all persons lawfully present at workplaces, to provide for the establishment of the National Council for Occupational Safety and Health and for connected purposes

The purpose of the Act is to secure the safety, health and welfare of persons at work; and protect persons other than persons at work against risks to safety and health arising out of, or in connection with, the activities of persons at work.

The Act requires employers to provide personal protective clothing and appliances where employees are employed in any process involving exposure to wet or to any injurious or offensive substance,, including, where necessary, suitable gloves, footwear, goggles and head coverings. (GOK, 2007)

#### **4.3.1.8. The Water Act 2002.**

An Act of Parliament to provide for the management, conservation, use and control of water resources and for the acquisition and regulation of rights to use water; to provide for the regulation and management of water supply and sewerage services; to repeal the Water Act (Cap. 372) and certain provisions of the Local Government Act; and for related purposes.

Section 94 states that, no person shall, without authority under this Act—

- Willfully obstruct, interfere with, divert or abstract water from any watercourse or any water resource, or negligently allow any such obstruction, interference, diversion or abstraction; or
- Throw or convey, or cause or permit to be thrown or conveyed, any rubbish, dirt, refuse, effluent, trade waste or other offensive or unwholesome matter or thing into or near to any water resource in such manner as to cause, or be likely to cause, pollution of the water resource. (GOK, 2002).

The proponent shall ensure that no wastes are properly disposed off

#### **4.3.1.9. The public Health Act (Cap. 242).**

Part IX, section 115, of the Act states that no person or institution shall cause nuisance or condition liable to be injurious or dangerous to human health. As well, section 116 of the act requires local Authorities to take all lawful, necessary and reasonably practicable measures to maintain their jurisdiction clean and prevent occurrence of nuisance or condition liable to be injurious or dangerous to human health. Further, part XII, Section 136, states that all collections of water, sewage, rubbish, refuse and other fluids which permits or facilitates the breeding or multiplication of pests shall be deemed nuisances and are liable to be dealt with in a manner provided for by this Act. (GOK, 2012)

#### **4.3.1.10. Physical Planning Act (Cap 286).**

PART V, section 29 gives the local authorities powers which include powers to:

- Prohibit or control the use and development of land and buildings in the interests of proper and orderly development of its area

- Consider and approve all development applications and grant all development permissions
- Ensure the proper execution and implementation of approved physical development plans
- To reserve and maintain all the land planned for open spaces, parks, urban forests and green belts in accordance with the approved physical development plan.

Section 30 states that, no person shall carry out development within the area of a local authority without a development permission granted by the local authority under section. The proponent shall comply with the provisions of this act by obtaining development permission for the proposed project. (GOK, 2009)

#### ***4.3.1.11. Local Government Act (Cap 265).***

An Act of Parliament to provide for the establishment of authorities for local government; to define their functions and to provide for matters connected therewith and incidental thereto.

Section 160 gives every municipal council the power to establish and maintain sanitary services for the removal and destruction of, or otherwise dealing with, all kinds of refuse and effluent and, where any such service is established, to compel the use of such service by persons to whom the service is available. (GOK, 1998)

#### ***4.3.1.12. Building Code By – Laws.***

The overall aim of these Regulations is to promote and enhance planning and its enforcement at all levels; to encourage optimal use of resources; enhance safety, health and convenience; and to improve acceptability and compliance of these Regulations. The Building Code, 1968 deals with controls in housing quality, building materials and planning standards. (GOK, 2009)

#### ***4.3.1.13. The Penal Code (Cap 63).***

Section 175 states that any person who does an act not authorized by law or omits to discharge a legal duty and thereby causes any common injury, or danger or annoyance, or obstructs or causes inconvenience to the public in the exercise of common rights, commits the misdemeanour termed a common nuisance.

Section 191 makes it an offense for any person or institution to voluntarily corrupt or foul water for public springs or reservoirs, rendering it less fit for its ordinary use. Section 192 states that any person who voluntarily vitiates the atmosphere in any place, so as to make it noxious to the health of persons in general dwelling or carrying on business in the neighbourhood or passing along a public way, is guilty of a misdemeanour. (GOK, 2009)

***4.3.1.14. Occupiers Liability Act (Cap 34).***

Section 3 states that, an occupier of premises owes the same duty, the common duty of care, to all his visitors, except in so far as he is free to and does extend, restrict, modify or exclude his duty to any visitor or visitors by agreement or otherwise.

According to section 6, persons who enter premises for any purpose in the exercise of a right conferred by law are to be treated as permitted by the occupier to be there for that purpose, whether they in fact have his permission or not. (GOK, 2012)

***4.3.1.15. Landlord and Tenant (Shops, Hotels and Catering Establishments) Act.***

An Act of Parliament to make provision with respect to certain premises for the protection of tenants of such premises from eviction or from exploitation and for matters connected therewith and incidental thereto.

(GOK, 1965)

***4.3.1.16. Rent Restriction Act 2012***

An Act of Parliament to make provision for restricting the increase of rent, the right to possession and the exaction of premiums, and for fixing standard rents, in relation to dwelling-houses, and for other purposes incidental to or connected with the relationship of landlord and tenant of a dwelling house. (GOK, 2012)

***4.3.1.17. The Environment and Land Court Act, 2011.***

This is an act of Parliament to give effect to Article 162(2)(b) of the Constitution; to establish a superior court to hear and determine disputes relating to the environment and the use and occupation of, and title to, land, and to make provision for its jurisdiction functions and powers, and for connected purposes.



***4.3.1.18. Urban and Cities Act No. 13 of 2011.***

Part V (d) of the act states that every city and municipality established under this Act shall operate within the framework of integrated development planning which shall be the basis for the preparation of environmental management plans, disaster preparedness and response, overall delivery of service including provision of water, electricity, health, telecommunications and solid waste among others. (GOK, 2011)

***4.3.1.19. Energy (Energy Management) Regulations, 2012.***

These Regulations, made under section 110 of the Energy Act, 2006, provide with respect to an energy management policy and energy management and saving issues, such as energy audits. An owner or occupier of designated facilities shall within six months from the end of the financial year in which an energy audit is undertaken, prepare and submit to the Energy Regulatory Commission an energy investment plan for the next three years, setting out proposals for the conservation of energy during that period. (GOK, 2012)

***4.3.1.20. Energy (Solar Water Heating) Regulations, 2012.***

These Regulations, made under the Energy Act, 2006, requires all premises within the jurisdiction of a local authority with hot water requirements of a capacity exceeding one hundred litres per day to install and use solar heating systems (GOK, 2012).

***4.3.1.21. Work Injury Benefits Act 2007 (WIBA).***

An act of parliament to provide for compensation to employees for work related injuries and diseases contracted in the course of their employment and for connected purposes.

Part III states that an employee who is involved in an accident resulting in the employee's disablement or death is subject to the provisions of this Act, and entitled to the benefits provided for under this Act. It further that, an employer is liable to pay compensation in accordance with the provisions of this Act to an employee injured while at work. An employee is not entitled to compensation if an accident, not resulting in serious disablement or death, is caused by the deliberate and willful misconduct of the employee. (GOK, 2007)

#### ***4.3.1.22. The National Construction Authority Act (NCA), 2011.***

The act establishes the National Construction Authority, which is mandated to oversee the construction industry, including registration of construction works, registration of contractors among others.

The proponent shall ensure compliance with this act by registering the project. (GOK, 2011)

#### ***4.3.2. International Conventions and Treaties.***

##### ***4.3.2.1. United Nations Framework Convention on Climate Change (UNFCCC), 1992.***

The United Nations Framework Convention on Climate Change (UNFCCC) is an international environmental treaty adopted on 9 May. The UNFCCC objective is to stabilize greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system. Such a level should be achieved within a time frame sufficient to allow ecosystems to adapt naturally to climate change, to ensure that food production is not threatened and to enable economic development to proceed in a sustainable manner. (United Nations, 1992)

##### ***4.3.2.2. Kyoto Protocol.***

The Kyoto Protocol was an amendment to the United Nations Framework Convention on Climate Change (UNFCCC), an international treaty intended to bring countries together to reduce global warming. Countries that ratify the Kyoto Protocol agreed to reduce emissions of six greenhouse gases that contribute to global warming. (United Nations, 1997)

##### ***4.3.2.3. Paris Agreement.***

On 12 December 2015, Parties to the United Nations Framework Convention on Climate Change (UNFCCC) adopted the Paris Agreement. This Agreement, in enhancing the implementation of the Convention, including its objective, aims to strengthen the global response to the threat of climate change, in the context of sustainable development and efforts to eradicate poverty, including by holding the increase in the global average temperature to well below 2°C above pre-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels, recognizing that this would significantly reduce the risks and impacts of climate change. (United Nations, 2015)

#### ***4.3.2.4. Occupational Safety and Health Convention, 1981.***

It is an International Labor Organization (ILO) convention which provides for the adoption of a coherent national occupational safety and health policy, as well as action to be taken by governments and within enterprises to promote occupational safety and health and to improve working conditions. This policy shall be developed by taking into consideration national conditions and practice. The Protocol calls for the establishment and the periodic review of requirements and procedures for the recording and notification of occupational accidents and diseases. (ILO, 1981)

#### ***4.3.2.5. Safety Provisions (Building) Convention 1937.***

Part IV, Article 16 requires that all necessary personal safety equipment be kept available for the use of the persons employed on the site and be maintained in a condition suitable for immediate use. It further requires workers to use the equipment thus provided and the employer to take adequate steps to ensure proper use of the equipment by those concerned.

Article 18 requires that adequate provision be made for prompt first-aid treatment of all injuries likely to be sustained during the course of the work. (ILO, 1937).

#### ***4.3.2.6. Working Environment (Air Pollution, Noise and Vibration) Convention, 1977.***

It is an ILO Convention concerning the protection of workers against Occupational hazards in the working environment due to air pollution, noise and vibration. The convention provides that, as far as possible, the working environment shall be kept free from any hazards due to air pollution, noise or vibration. To achieve this, technical measures shall be applied to enterprises or processes, and where this is not possible, supplementary measures regarding the organization of work shall be taken instead. (ILO, 1977)

#### ***4.3.2.7. Convention on Biological Diversity (CBD<sup>2</sup>) 1993.***

The Convention on Biological Diversity (CBD<sup>2</sup>), is a multilateral treaty. It entered into force on 29 December 1993. The Convention has three main goals including: the conservation of biological diversity (or biodiversity); the sustainable use of its components; and the fair and equitable sharing of benefits arising from genetic resources. (United Nations, 1993).

#### **4.4. The National Administrative Framework.**

##### ***4.4.1. The National Environment Council (NEC).***

Functions of the council are:

- Policy formulation and direction for the purposes of the act
- Set national goals and objectives and determine policies and priorities for the protection of the environment;
- Promote cooperation among public departments, local authorities, private sector, non-governmental organizations and such other organizations engaged in environmental protection programmes;
- Perform such other functions as are assigned under the Act.

##### ***4.4.2. The National Environment Management Authority (NEMA).***

The National Environment Management Authority (NEMA) is established under the Environmental Management and Coordination Act (EMCA) No. 8 of 1999, as the principal instrument of government in the implementation of all policies relating to the environment.

##### ***4.4.3. The Standards and Enforcement Review Committee (SERC).***

The Act establishes a Standard and Enforcement Review Committee (SERC) whose functions include the establishment of standards for environmental standards, methods of analysis, inspection, monitoring and technical advice on necessary mitigation measures.

##### ***4.4.4. The County Environment Committees (CECs).***

The CECs are responsible for the proper management of the environment within the Counties of which they are appointed and performing such additional functions as are prescribed by this Act or as may, from time to time, be assigned by the Governor by notice in the Gazette.

##### ***4.4.5. National Environmental Tribunal, (NET).***

Part XII Section 125 (1) of the Act establishes NET to review administrative decisions made by NEMA relating to issuance, revocation or denial of EIA licenses.

#### 4.4.6. National Environmental Complaints Committee, (NECC).

The National Environmental Complaints Committee (NECC) is established under EMCA. Its responsibilities include investigating complaints or allegations regarding the condition of the environment in Kenya and suspected cases of environmental degradation. The NECC also undertakes public interest litigation on behalf of the citizens in environmental matters.

#### 4.5. Regulatory Agencies and Jurisdiction Relevant to the project.

The proponent shall be required to obtain licenses and permits from various regulatory agencies before commencement of the proposed project. Table 4 below summarizes the regulatory agencies and the licenses/ permits required.

Table 4: Regulatory agencies relevant to the proposed project.

	Institution	Required licenses/permits	Project phase
1.	National Environment Management Authority (NEMA)	Environmental impact assessment license	Planning
2.	Uasin Gishu County Government	Approval of plans, building inspections	Planning, Construction
3.	Directorate of Occupational Health and Safety Services (DOSHS)	<ul style="list-style-type: none"> <li>• Registration of the construction site</li> <li>• Approval of architectural drawings</li> <li>• Registration of the proposed project safety supervisor.</li> </ul>	Construction
4.	National Construction Authority (NCA)	Project Registration	Construction
5.	ELDOWAS (Eldoret Water and Sanitation	Provision of water and sewerage services	Construction, operation

## **CHAPTER FIVE: CONSULTATION AND PUBLIC PARTICIPATION, (CPP).**

### **5.1. General Overview.**

Consultation and public participation process is a policy requirement by the Government of Kenya and a mandatory procedure as stipulated by EMCA 1999 section 58, on Environmental Impact Assessment for the purpose of achieving the fundamental principles of sustainable development. Therefore, this section describes the process of the public consultation and public participation followed to identify the key issues and impacts of the proposed project.

### **5.2. Purpose of the CPP Process.**

The purpose of the consultation and public participation was to:

1. Disseminate and inform the stakeholders about the project.
2. Gather comments, suggestions and environmental concerns of the interested and affected parties about the proposed project.
3. Incorporate the information collected in the EIA project report.

### **5.3. Methodology used in CPP Process.**

The process in carrying out the entire process involved:

1. Key informant interviews and discussions
2. Field surveys, photography and observations.
3. The use of questionnaires which captured all the phases of the proposed development.

The purpose for such interviews was to identify the positive and negative impacts and subsequently propose the mitigation measures of the negative impacts respectively. It also helped in identifying any other miscellaneous issues, which may bring conflicts in case project implementation proceeds as planned. The information gathered enabled the identification of the specific issues from the stakeholders' response, which provided the basis upon which the aspects of the Environmental Impact Assessment was undertaken.

### **5.4. Results of CPP Process.**

The results obtained from the exercise through administration of questionnaires are presented below.



***5.4.1. Potential Positive Impacts Raised by the Stakeholders.***

1. Improved security
2. Improved hygiene and sanitation
3. Better, bigger and modern houses
4. Reasonable rent
5. Better living standards
6. Job opportunities
7. Locking out land grabbers
8. Increase availability of housing units
9. Availability of cheap housing
10. More people accommodated
11. No wastage of space
12. Improved amenities
13. Improved community infrastructure
14. Promote business in the area
15. Provision of self-contained housing units
16. Privacy will be enhanced

***5.4.2. Potential Negative Impacts Raised by the Stakeholders.***

1. Noise pollution
2. Loss of open space for children play
3. Limit open access to the area
4. Increased rent rates
5. Job opportunities local community should have priority
6. Transparency and accountability in the project execution
7. Displacement of current tenants
8. Project will take long time to complete
9. Not conducive for family setup
10. Tribal bias in allocation of houses
11. Congestion
12. Poor health conditions due to environmental pollution
13. High-rise flat not conducive to children

14. Not accommodating stakeholders
15. Scarcity of basic things
16. Influx of new people to the area
17. Water scarcity
18. Increased crime rates

***5.4.3. Stakeholders Proposed Mitigation Measures.***

1. Current tenants be given first priority in allocation of the new houses,
2. Construct two bedroom housing units
3. Charge pock friendly rents
4. Ensure no congestion
5. Expedite the project completion
6. Provide dust bin
7. Provide security
8. Ensure tribal balance in allocation of houses
9. Proper spacing to avoid congestion
10. Construct perimeter wall to enhance security
11. Provide adequate quality water and safe disposal of waste water
12. Proper and regular maintenance
13. Employ caretakers
14. All stakeholders should be consulted and their view taken into consideration
15. Regular communication with the community
16. Construct markets for vendors
17. Increase water supply
18. Proper alignment during construction
19. Install security lighting
20. Proper disposal of waste
21. Construct in phases to avoid displacement
22. Build spacious houses

Copies of the questionnaires with the responses from the respondents are attached in appendix III.

## 5.5. Comments and View from Lead Agencies.

The relevant lead agencies were consulted during the Consultation and Public Participation (CPP) exercise. Discussions with the lead agencies on the proposed project were conducted to collect their views and recommendations on the proposed project. See a summary of their views and recommendations in table 5 below.

Table 5: Summary of response from lead agencies consulted.

	<b>Lead Agency.</b>	<b>Person Consulted / Designation.</b>	<b>Comments.</b>
1.	Ministry of Interior.	M/S. Gladys C. Bitok Ag. Chief Kilimani.	<ul style="list-style-type: none"> <li>•The staff from NHC visited my office and informed us about the proposed project within my area of jurisdiction, Kapsuswa and plan for public participation on 14/03/19.</li> </ul>
2.	Turbo Constituency Office.	Kennedy Koech, Constituency Manager – Turbo.	<ul style="list-style-type: none"> <li>•Looking forward for the project, it will uplift living standard of our people and expectations.</li> </ul>
3.	Kiplombe ward office.	Rotich James – Ward Administrator	<ul style="list-style-type: none"> <li>•Officers from NHC came to the office for courtesy call, they briefed the MCA on the project they want to undertake at Kapsuswa estate</li> <li>•We raised of displacement of the current tenants and rental cost to be considered.</li> </ul>
4.	Uasin Gishu County Government	Joseph Chelulei – Director of Environment	<ul style="list-style-type: none"> <li>•Provide two refuse chutes</li> <li>•Provide two refuse chambers</li> <li>•Ensure adequate open space is provided.</li> </ul>
5.	Eldoret Water and Sanitation Company Ltd	Jimmy Kemboi – Head of Technical Services	<ul style="list-style-type: none"> <li>•Assessment of the existing water and sewer lines needed to inform necessary upgrade to meet expected demands usage.</li> </ul>
6.	Water Resources Authority, WRA KUY Sub Region	Willy K. Bii – WQ & PCO	<ul style="list-style-type: none"> <li>•The proposed project site is considered ideal</li> <li>•The population in the proposed units will be high, generating high amounts of sewage which need to be treated. The project proponent is therefore advised to develop Effluent Discharge Control Plan (EDCP) and submit to WRA for assessment and approval.</li> <li>•WRA has no objection as long as all provisions under WRM rules, 2007 and WA, 2016 are strictly adhered to.</li> </ul>

	<b>Lead Agency.</b>	<b>Person Consulted / Designation.</b>	<b>Comments.</b>
<b>7.</b>	National Construction Authority – North Rift Region Office Eldoret.	Rose K. Waweru – Regional Co-ordinator North Rift.	<ul style="list-style-type: none"> <li>•The project comprises a multi-storey residential development for rent. The officer has explained and given information on the project. The following will be required by the NCA prior to commencement;               <ol style="list-style-type: none"> <li>1) Contractor's NCA licenses</li> <li>2) Filled government works consultants declaration form or licenses of professionals</li> <li>3) Approved BQ summary page</li> <li>4) Developer's KRA PIN</li> <li>5) Copy of agreement</li> <li>6) NEMA License</li> <li>7) Approved Drawings</li> </ol> </li> </ul>
<b>8.</b>	Occupational safety & Health Office, Eldoret.	Rotuno Cypriano	<ul style="list-style-type: none"> <li>•The Officer Mwongera Murungi explained to me about the project to be undertaken which i think is viable.</li> <li>•It is important to note that the concern contractors abide by all Occupational safety and health provisions of the law.</li> <li>•The contractor should before commencement of the job,               <ol style="list-style-type: none"> <li>1) Register it as a construction site,</li> <li>2) Provide architectural plans for approval</li> <li>3) Nominate a safety supervisor and</li> <li>4) Submit his or her name to DOSHS office.</li> </ol> </li> </ul>
<b>9.</b>	Rent Restriction tribunal	Hilda Rono – Officer-in-Charge	<ul style="list-style-type: none"> <li>•Support the project to help the low income earns to have adequate and well facilitated houses</li> <li>•Best project to ease congestion due to growing population.</li> </ul>
<b>10.</b>	State Department of Housing & Urban Development – Uasin Gishu County	D.M. Nyaigo – County Director of Housing.	<ul style="list-style-type: none"> <li>•The project is timely for government agenda of affordable housing.</li> </ul>

Copies of the written views and recommendations from lead agencies is attached in appendix IV.

### **5.6. Public Consultation Meeting with Neighbors at Proposed Project Site.**

A stakeholders meeting was held on Thursday the 14<sup>th</sup> March 2019 at NHC Kidiwa shopping centre, Eldoret town within the vicinity of the proposed project site. The meeting was in form of a public baraza. NHC meeting was convened with the assistance of senior chief, assistant chief and the Wazee wa Nyumba Kumi committee of the area. The Senior Chief and his assistance acted to mobilize the public to attend and co-ordinate the proceeding of the baraza. The attendants were drawn from various stakeholders including the general public, Government officers, areas ward and county representatives as well as civil societies. The purpose of the meeting was to; present the proposed project to the stakeholders, and to get feedback from them on the proposed project undertaking. See figures 11, 12, 13, 14 and 15 below.



Figure 11: Various stakeholders at the baraza.





Figure 12: Senior chief and Assistant chief of the area addressing the stakeholders.



Figure 13: Area leaders addressing the baraza.





Figure 14: NHC staff member addressing the baraza.



Figure 15: Various members of public giving their feedbacks.

***5.6.1. Issues Arising from the Consultation and Public Participation (CPP) Process.***

From the deliberation of the public baraza the following issues were raised and discussed in regard to the proposed project;

1. Job opportunities to non locals
2. Displacement of the current tenants
3. Increased in rent rates for the tenants
4. Priority in allocation of the new houses to the resident versus new comers
5. The period for project commencement and completion
6. Sale of the housing units to current tenants through tenant purchase programme

***5.6.2. Proposed Mitigation Measures for Issues Raised in the Consultation and Public Participation (CPP) Process.***

1. The contractor shall procure all non-skilled labour local if feasible and also give priority to local residents for skilled labour,
2. The project will not lead to displacement of current tenants as it will be constructed in the available open space for the initial phase to give way for phased subsequent redevelopment of the existing rental housing estate. Where present tenant will be give opportunity to move into the new housing units.
3. The rent rates will be affordable since NHC is a government entity whose mandate is to provide affordable housing,
4. NHC will give priority to the current tenants to occupy the new housing to give way for redevelopment of the estate in phases and to avoid displacement. NHC has a database of the current tenants and has an housing unit allocation protocol and procedure to be followed.
5. The proposed project was at planning stage with architectural drawing already approved and other relevant authorizations being sought. The proposed project could take anywhere between 18 month to 24 months form ground breaking form previous experience and holding all other factors constant.

Copies of minutes of the meeting for the public consultation proceedings are attached in appendix V.

## **CHAPTER SIX: IMPACT ASSESSMENT AND MITIGATION MEASURES.**

### **6.1. Introduction.**

The main objective of an environmental impact assessment is to predict the potential impacts, and assess the magnitude. The impact assessment forms the basis for development of Environmental Management Plan. Environmental impacts could be positive or negative, direct or indirect, local or regional and also reversible or irreversible. This chapter discusses the environmental impacts on the environment during the construction, operation and decommissioning phases of the project. The potential impacts have been identified and their mitigation measures are discussed.

### **6.2. Anticipated Positive Impacts during the Construction Phase.**

#### ***6.2.1. Employment Opportunities.***

The construction phase of the project will engage a large number of construction workers, skilled, semi-skilled or unskilled, thus creating temporary job opportunities especially to the locals.

#### ***6.2.2. Improved Quality of life.***

The general well-being of community members would improve as an indirect result of the increased household income from the various economic opportunities and employment brought about by the project.

#### ***6.2.3. Support of Local Business.***

Existing business establishments will benefit from increased sale of raw materials and other construction materials. Also facilities to provide services to the work force at the site such as restaurants and hotels will benefit from more customers.

#### ***6.2.4. Sourcing of Construction Materials***

Construction of the proposed project will require considerable volume of materials. Procurement of these resources shall generate income to suppliers and owners of land where quarry sites will be located. This is a positive but short-term and reversible impact.

### **6.3. Anticipated Negative Impacts during the Construction Phase.**

#### **6.3.1. Air pollution.**

The greatest impact on the air quality will be related to the earthworks on site and the transport of construction materials to the site by heavy vehicles. This impact could effectively be combated by frequently wetting the access roads.

##### ***Proposed mitigation measures.***

- *Frequent wetting of access roads to suppress and prevent fugitive dust generation*
- *Maintenance of effective exhaust systems on vehicles.*
- *Watering of exposed soil areas*
- *Daily cleaning of machinery to remove any accumulation of loose materials and other debris*
- *Cover soil stockpiles and haul truck loads*
- *During the transportation, construction materials shall be covered with tarpaulin.*
- *Workers must be provided with Personal Protective Equipments (PPEs).*
- *Speed of vehicles will be limited to avoid blowing of dust*
- *The site will be fenced.*

#### **6.3.2. Increased Traffic.**

The development will result in an increase in the traffic, caused by increased number of vehicles travelling to the site, resulting in added pressure within the existing road network.

##### ***Proposed mitigation measures.***

- *Use adequate signage and impose appropriate maximum speeds*
- *Designate a route for vehicles entering the site.*

#### **6.3.3. Noise and Excessive Vibrations Pollution.**

Some noise pollution will be unavoidable, especially during the construction phase. The noise involved during the construction phase will be the result of operation of excavators, transportation vehicles and other machinery

##### ***Proposed mitigation measures.***

- *To minimize impacts of noise generation from construction activities, the workers will be provided with PPEs including ear muffs and other protection devices.*



- *Construction activities shall only be carried out during the day to minimize disruption.*
- *Equipment used in construction shall be properly maintained to keep noise emissions within the permissible levels.*
- *Engines shall be turned off when not in use.*
- *Delivery of raw materials to site to be done only during the day*
- *The contractor shall ensure compliance with the Environmental Management and Coordination (Noise and Excessive Vibration Pollution) (Control) Regulations, 2009 on permissible noise levels.*

#### ***6.3.4. Soil Erosion.***

Soil erosion may occur as a result of land disturbance during site preparation. Land/ soil environment may be temporarily affected due to activities like site preparation, excavation, material handling and storage etc. during construction phase. Proper greening and paving at completion of the project will prevent soil erosion.

#### ***Proposed mitigation measures.***

- *Dispose of excavated material at a designated site*
- *Stabilize exposed areas susceptible to erosion by planting vegetation*
- *Top soil will be stockpiled and used for landscaping.*
- *Control construction activities especially during rainy conditions*
- *Excavation during dry season and proper management of excavated soils*
- *Clearing all debris from site as soon as construction is over*

#### ***6.3.5. Solid Waste Generation.***

Solid waste is likely to be generated in significant amount during the construction phase of the development. Escape of such refuse from the site should not be allowed to occur. Effective collection and removal of site wastes will be required to prevent waste materials being blown around by wind and to prevent odour nuisance. The work sites may also attract pests and vermin if the waste storage area is not well maintained and cleaned regularly. Disposal of waste must be at approved waste disposal facilities. With the implementation of good waste management practices at the site, adverse environmental impacts would not be expected to arise from the storage, handling and transportation of refuse.

***Proposed mitigation measures.***

- *The contractor shall designate on-site waste storage areas, provide adequate amount of waste storage facilities, and protect stored wastes from potential runoff by rain or wind.*
- *It is recommended that, wherever possible, to minimize the production of solid waste, reduce packaging wastes by purchasing materials in greater quantities or purchase materials packaged in reusable or recyclable containers.*
- *Prohibit littering by construction personnel.*
- *Regular collection of wastes for disposal at designated sites*
- *Recycling and reuse of construction wastes*
- *The proponent shall contract a NEMA licensed waste handler for proper waste disposal*
- *All wastes shall be handled in accordance with the provisions of EMCA, waste management regulations 2006.*

***6.3.6. Effluent Generation.***

During the construction phase, effluent will be generated when the workers are on site. The amount of effluent waste generated will obviously depend on the number of workers on site.

***Proposed mitigation measures.***

- *Provide adequate sanitary facilities for workers on site.*

***6.3.7. Increased Water Demand.***

During construction of the proposed project, water shall be required for preparation of mortar, mixing of cement concrete and for curing work etc.

***Proposed mitigation measures.***

- *Curing water will be sprayed on concrete structures and free flow of water not allowed.*
- *Sensitize the workers on water conservation measures such as ensuring taps are not running when not being used.*

***6.3.8. Occupational Health and Safety Concerns.***

During construction of the proposed project, it is possible that workers may encounter occupational health hazards as a result of coming into contact and handling hazardous



waste and injuries from hand tools. Construction works will have the following occupational health and safety risks with potential to cause serious injuries to workers:

1. Burns from welding
2. Falls from working at heights or wet surfaces
3. Injury from falling objects

***Proposed mitigation measures.***

- *Provision of clean drinking water, adequate toilet facilities and solid waste disposal system.*
- *Provision of Personal Protective Equipments (PPEs) to all workers*
- *Guarding of dangerous machine parts and maintenance of equipment*
- *Adequate provision of firefighting equipment*
- *Provision of a first aid kit on site*
- *All applicable laws and regulations pertaining to health and welfare at the workplace of the people will be adhered to.*

***6.3.9. Social and Economic Impacts.***

The potential for employment and access to new services will draw people to the area more specifically the project site. The proposed project will lead to a temporary increase in economic activities and employment skills development. This will lead to population influx which might lead to unwanted behaviour in the area hence spread of diseases such as STDs and HIV/AIDS among others.

***Proposed mitigation measures.***

- *The contractor shall ensure that there is adequate street lighting within the site*
- *It is recommended that the contractor employs workers from the immediate area where possible to avoid social conflict*
- *Sensitise workers on good behaviour and the need to co-exist with the neighbours*
- *The contractor shall employ security personnel to protect constructor assets as well as the staff on site*
- *Sensitise workers on prevention of STDs, HIV and Voluntary Counselling and Testing*
- *Workers not from area will be sensitized to respect and obey the local customs and social norms of the area*

- *Establish a code of conduct for the workers*

#### **6.4. Anticipated Positive Impacts during the Operation Phase.**

##### ***6.4.1. Provision of Business Opportunities.***

In meeting the day-to-day and demands of the residents of the site, the area is likely to develop a number of shopping facilities, thereby, further stimulating the local economy. Good market will come up in the area to cater the demand of the local people.

##### ***6.4.2. Creation of Jobs.***

During the operational phase of the project, jobs will be created for service providers such as waste collection and security personnel.

##### ***6.4.3. Provision of Modern Housing Units.***

Completion of the proposed project will provide more, modern housing units in Eldoret town.

##### ***6.4.4. Improved Security.***

Construction of proposed project shall enhance security of the area through street lighting and presence of security guards.

#### **6.5. Anticipated Negative Impacts during the Operation Phase.**

##### ***6.5.1. Increased Waste Generation.***

As a result of domestic activities in the development, household waste shall be generated. These shall be stored properly in containers before collection for final disposal

##### ***Proposed mitigation measures.***

- *Designate a temporary waste storage area within the development and provide waste collection containers*
- *The proponent shall ensure regular collection of wastes to avoid accumulation of waste*
- *The proponent shall contract a NEMA licensed waste handler for collection of wastes for disposal at licensed disposal sites.*
- *The proponent shall ensure all wastes are handled in compliance with the provisions of EMCA, Waste Management Regulations, 2006.*

#### **6.5.2. Increased Water Demand.**

There will be increased demand for the supply of water due to the increase in population in the area.

##### ***Proposed mitigation measures.***

- *Installation of low flow flushing systems*
- *Regular monitoring for timely detection and repair of all leakages*
- *Make structural provisions within the development plan for rain water harvesting*
- *Sensitize residents on water conservation measures*

#### **6.5.3. Increased Energy Demand.**

Increase in population in the area would mean an increase in the demand for the supply of electricity. Electrical energy shall be used mainly for domestic purposes including lighting, cooking, running of refrigeration systems, pumping water into reservoirs.

##### ***Proposed mitigation measures.***

- *The project is designed in such a way that natural light and air will be enhanced in the project to avoid electricity for lighting during the day.*
- *Houses at the project will be energy efficient through use of low energy conserving fixtures.*
- *Sensitize residents on methods of energy conservation*
- *Installation of solar panels*

#### **6.5.4. Increased Effluent Generation.**

Waste water generated from the development shall be mainly domestic waste which shall be connected to the Eldoret Water and Sanitation Company limited (ELDOWAS) sewer line system which already exists on site.

##### ***Proposed mitigation measures.***

- *Effluent waste shall be connected to the existing sewer line system.*
- *Regular inspection and maintenance of the sewerage system*

#### **6.5.5. Increased Surface Runoff.**

Construction of the proposed project will lead to increased storm water runoff. Impervious surfaces such as pavement and roofs prevent precipitation from naturally soaking into the ground. Instead, water runs rapidly into storm drains.

***Proposed mitigation measures.***

- *Incorporate rain water harvesting system in the designs of the proposed project.*
- *Construction of an effective storm water drainage system*
- *Regular cleaning of the storm water drainage system.*

***6.5.6. Risks of Fire Outbreaks.***

Fires may occur from poor handling of electrical appliances or carelessness in handling other fire sources.

***Proposed mitigation measures.***

- *The proponent shall provide adequate firefighting equipment within the facility.*
- *Sensitize the residents on prevention of fire accidents.*

**6.6. Anticipated Positive Impacts during the Project Decommissioning Phase.**

***6.6.1. Employment Opportunities.***

During the decommissioning phase, people shall be required to carry out the demolition works.

***6.6.2. Recovery of Construction Materials.***

During decommissioning, re-usable and recyclable construction materials will be recovered. These can be used in other constructions and thus reduce the pressure on environmental resources.

***6.6.3. Rehabilitation.***

Proper restoration of the environment through maintenance and management could improve the environment. This will include replacement of topsoil and re-vegetation which will lead to improved visual quality of the area.

**6.7. Anticipated Negative Impacts during the Project Decommissioning Phase.**

***6.7.1. Generation of Demolition Wastes.***

Decommissioning of the project will result in generation of large amounts of waste. To minimize possible environmental pollution through inappropriate waste management, the contractor shall ensure proper handling of the waste generated in accordance with the requirements of the EMCA, Waste Management Regulations, 2006.

***Proposed mitigation measures.***

- *The contractor shall ensure that waste is segregated at source and separated in a suitable manner into general, hazardous waste and material which can be recycled/reused.*
- *Wherever possible recycling shall be carried out.*
- *The contractor shall designate a waste collection area within the site and provide an adequate number of waste receptacles for waste collection*
- *The contractor shall engage a NEMA licensed waste handler for collection and disposal of waste*
- *Particular care shall be taken in handling of materials that could be wind-borne or waterborne to ensure that the release of these materials is minimized*
- *The contractor shall ensure that no dumping of waste within the surrounding*
- *The contractor shall ensure that all waste is disposed off at a licensed site*

***6.7.2. Noise and Excessive Vibrations Pollution.***

During the decommissioning phase of project, noise will be generated from the various activities which include movement of vehicles and use of demolition machinery.

***Proposed mitigation measures:***

- *The contractor shall ensure that all decommissioning machines are regularly maintained*
- *Demolition activities shall be restricted to day time*
- *The contractor shall sensitize the truck drivers on noise reduction*
- *The contractor shall provide the workers with appropriate PPEs*

***6.7.3. Air Pollution.***

Decommissioning activities may generate emission of fugitive dust. Sources of air pollution include exhaust from diesel engines of demolition equipment and vehicles.

***Proposed mitigation measures.***

- *The contractor shall provide all the workers with proper Personal Protective Equipment and clothing.*

- *Minimizing dust from open area sources, including storage piles, by using control measures such as installing enclosures and covers, and watering the site and exposed soils*
- *All machinery generating emissions must be regularly serviced and maintained such that their emissions are acceptable.*
- *Control vehicle speed limits to minimize dust generation.*
- *Sprinkle traffic routes with water regularly.*

#### ***6.7.4. Occupational Health and Safety Concerns.***

Demolition activities will expose workers and the public to various occupational health and safety hazards. They include falls from height, injury from falling materials and uncontrolled collapse.

##### ***Proposed mitigation measures.***

- *The contractor shall provide workers with PPEs.*
- *The contractor shall train all the workers before the commencement of demolition activities on how to prevent accidents.*
- *The contractor shall provide a first aid kit on site.*
- *Provide a public notice on the ongoing works.*
- *The site shall be fenced and the gates kept closed at all times to prevent unauthorised entry to the site.*

#### ***6.7.5. Displacement of Residents.***

The construction of the proposed project shall provide residential houses to various people. Decommissioning of the project will mean that these residents will be displaced from their housing units

##### ***Proposed mitigation measures.***

- *Give notice to the residents on the intention to decommission the project early enough to enable them look for alternative accommodation.*



## **6.8. Environmental Impacts Analysis: Leopold Matrix (LM) Analysis.**

### ***6.8.1. Matrix Rationale.***

In the matrix, the rows cover the key aspects of the environment and society, while the columns list the project's activities during all stages of the projects. Environmental factors must correspond to all those that could be affected by the development of the activity in the project area and the area of influence see table 6 below. Each box of interaction must determine whether the action in question will have an impact on the environmental factor given. The second step in using the Leopold Matrix was to describe the interaction in terms of its magnitude (M) in the upper section and importance (I) in the lower section of each box. Rate it from 1 to 10, 1 being lowest and 10 being highest, with the number placed in each box identified above to indicate the magnitude of the specific action's impact on that aspect of the environment. This number is to be placed in the upper left-hand corner. Using the same rating system, rating is made in the lower right hand corner of the defined boxes, representing the importance of the impact to the project.

Table 6: Leopold matrix.

PROJECT ACTIVITIES.													
		Construction Phase.					Operation Phase.			Decommissioning Phase.			
	Project Activity.  Resources.	Site Clearance.	Material Transport, Storage, Handling.	Excavation.	Rock dressing, Metal & wood works.	Construction works.	Tenancy.	Solid waste management.	Effluent Waste management.	Demolition.	Debris Clearance.	Site Rehabilitation.	Average Values.
Physical Components.	Soil/Geology.	1 2	1 1	5 4	1 2	3 3	1 1	3 4	4 2	3 4	2 3	3 4	2.3 2.7
	Hydrology	2 2	3 2	4 4	2 3	2 3	1 2	2 4	3 4	1 3	1 3	2 2	2 2.9
	Air.	3 3	1 2	3 3	0 0	2 3	0 0	1 2	1 2	4 4	1 2	4 4	1.8 2.2
	Noise & Vibrations.	3 4	3 4	4 4	3 3	4 3	1 1	0 0	0 0	4 5	1 1	1 1	2.1 2.3
	Visual Impacts.	1 1	0 0	2 2	0 0	3 2	0 0	3 2	1 2	4 5	0 0	0 0	1.2 1.2
Biological Components.	Diversity of flora.	2 2	1 1	1 1	0 0	0 0	0 0	0 0	0 0	1 1	1 1	0 0	0.5 0.5
	Diversity of fauna.	1 1	1 1	1 1	0 0	0 0	0 0	1 1	0 0	1 1	1 1	1 1	0.6 0.6
	Barriers / Corridors.	1 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.1 0.1
Social Economic Components.	Population.	1 1	1 1	1 1	1 1	1 2	3 4	2 2	1 2	3 2	1 1	1 2	1.4 1.7
	Site access.	2 2	2 2	1 1	1 1	1 2	1 1	1 1	0 0	2 2	1 1	1 2	1.2 1.3
	Economic Activities.	1 1	0 0	0 0	0 0	1 1	0 0	1 0	1 0	1 1	0 0	0 0	0.4 0.2

	<b>Public health.</b>	1 1	2 1	2 2	2 1	2 2	1 1	2 2	2 3	2 2	1 1	0 0	<b>1.5</b> <b>1.4</b>
	<b>Culture.</b>	1 1	1 1	1 1	1 1	2 3	2 2	0 0	0 0	0 0	0 0	0 0	<b>0.7</b> <b>0.8</b>
	<b>Employment.</b>	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	0 0	0 0	<b>0.1</b> <b>0.1</b>

### 6.8.3. Matrix Interpretation. .

From the matrix of the environmental impact analysis above, it is evident that the envisaged impacts are minimal with a slight increase on their magnitude and significance during the project construction and decommissioning phase. The envisaged impacts magnitude and significance are at the lowest during the project operational phase of the proposed project.

## **CHAPTER SEVEN: RISK ASSESSMENT.**

### **7.1. Occupational Health and Safety (OHS).**

Construction can be a safe occupation when workers are aware of the hazards, and an effective safety and health program is used. The key to achieving healthy and safe working conditions is to ensure that health and safety issues are planned, organized, controlled, monitored and reviewed. Checking that working conditions are healthy and safe before work begins and ensuring that the proposed work is not going to put others at risk requires planning and organization.

#### ***7.1.1. Planning the Work.***

Make a good planning by gathering as much information about the project and the project site before works begin to ensure safety during construction. Information that could be sought includes the following:

- Presence of live bare electrical conductors, underground/overhead insulated cables.
- Ground conditions.
- Nearby schools, footpaths and roads.

#### ***7.1.2. Facilities to be Provided.***

##### ***7.1.2.1. Site Access.***

Adequate and safe means of access to and egress from the site should be provided, indicated where appropriate and maintained in a safe condition.

##### ***7.1.2.2. Site Boundaries.***

Fence the construction site to prevent the entry of unauthorized persons to the construction site. Visitors should not be allowed access to construction sites unless authorized and provided with the appropriate protective equipment.

##### ***7.1.2.3. Public Safety.***

The contractor shall appropriately fence the site to restrict unauthorized entry and ensure public safety

##### ***7.1.2.4. Daily Housekeeping.***

Proper daily housekeeping prevents accidents and fires, as well as creates an organized and secure workplace atmosphere.

- All materials shall be stored in a stable manner so that they will not be subject to falling, shifting, or spilling.
- Rubbish, scraps, and debris will be removed from the work area regularly
- Materials will not be left in walkways or outside the work area.

#### ***7.1.2.5. Storage Areas.***

- Set up storage areas for plants, materials, flammable substances and hazardous substances
- Store flammable materials away from other materials and protected from accidental ignition.
- Prevent obstruction of access routes/emergency escapes by proper storage of materials.
- Materials to be properly stacked to prevent falls.

#### ***7.1.3. Site Vehicles and Mobile Plant.***

- Provide safe site entry and exit points with adequate turning room and good visibility for vehicle drivers.
- Keep pedestrians separate from vehicles, e.g., by providing separate site entry and exit points.
- Consider a one-way system and avoid needs for vehicles to reverse wherever possible
- Consider fitting reversing alarms to vehicles.
- Make sure that vehicles are not overloaded
- Make sure loads are securely attached to vehicles and that loose materials cannot fall from lorries

#### ***7.1.4. Welfare.***

##### **1. Drinking water**

Adequate supply of wholesome drinking water shall be provided at suitable points conveniently accessible to all workers.

##### **2. Lighting**

All parts of the site need to be properly lit by natural or artificial means whenever work is going on. Site lighting is always necessary in those areas short of natural light. Artificial

### **3. Sanitary facilities**

Sufficient and suitable sanitary conveniences for the workers shall be provided, maintained and kept clean. The number of toilets required will depend on the number of workers on site. Adequate washing facilities should be provided as near as practicable to toilet facilities.

### **4. Washing facilities**

Construction work is often dusty and dirty, it may also involve handling chemicals and other dangerous substances. Workers need to wash hands and bodies regularly. The contractor shall provide and maintain adequate and suitable facilities for washing, which shall be conveniently accessible and shall be kept in a clean and orderly condition.

### **5. Accommodation for clothing**

The contractor shall provide and maintain adequate and suitable accommodation for clothing not worn during working hours.

#### ***7.1.5. Emergency Response Plan (ERP).***

The purpose of the Emergency Response Plan is to develop a plan to manage emergencies with regard to the project and provide channels for communication if an emergency occurs.

The contractor must have an emergency response plan which should include the evacuation plan, technical means/equipment necessary for handling small-scale emergency situations, protective and communication means for personnel to protect themselves and call for corresponding emergency services such as fire-fighting, ambulance etc.

Every accident will be registered and its causes will be investigated. If necessary, remediation will be ensured.

The contractor shall provide a fully equipped first aid kit and firefighting equipment.

#### **Training**

All site workers must be trained on site-specific emergency procedures. This training shall include the following:

- Alarms and other emergency communications used on the site.
- Emergency escape procedures
- Evacuation procedures including routes and assembly areas to be used.



- Initial emergency response actions
- Location of first-aid kits and identification of first-aid providers.
- Location of firefighting equipment and how to use them.
- Equipment operation procedures prior to evacuation
- Procedures to account for all employees

#### ***7.1.5.1. Fire Prevention and Firefighting.***

Fires on construction sites arise from the misuse of compressed gases and highly flammable liquids, from the ignition of waste material, wood shavings and cellular plastic materials, and from the failure to recognize that adhesives and some floor and wall coatings are highly flammable.

- Every individual on site should be aware of the fire risk, and should know the precautions to prevent a fire and the action to be taken if fire does break out.
- The contractor shall provide and maintain free from any obstruction so as to be readily accessible, means for extinguishing fire, which shall be adequate
- The site shall have adequate means of escape, in case of fire

#### ***7.1.5.2. Other Causes of Accidents.***

Potential hazards for workers in construction include:

- Falls from heights
- Scaffold collapse
- Electric shock
- Construction equipment.
- Injuries from falling material and collapses.
- Failure to use proper personal protective equipment

#### ***7.1.5.3. Personal Protective Equipments (PPEs).***

The working conditions in construction are in most cases such that, despite all preventive measures in project planning and work design, some Personal Protective Equipments (PPEs), such as a helmet, hearing and eye protection, boots and gloves, is needed to protect workers.

### **1. Eye and face protection- Safety glasses or face shields**

Foot Protection- Construction workers should wear work shoes or boots with slip-resistant and puncture-resistant soles.

### **2. Hand and skin protection**

Hands are extremely vulnerable to accidental injury. Open wounds, abrasions, fractures, dislocations, strains, amputations and burns occur. They are largely preventable by better manual handling techniques and equipment, and by wearing suitable hand protection such as protective gloves.

### **3. Head protection**

Workers shall wear hard hats where there is a potential for objects falling from above, bumps to their heads from fixed objects, or of accidental head contact with electrical hazards.

### **4. Foot protection**

Foot injuries fall can be due to penetration of the sole by nails which have not been knocked down or removed, or due to falling materials, which can be minimized by wearing protective footwear.

#### **7.1.5.4. First Aid.**

Factories (First-Aid) Order section 50(1) of the Act requires the occupier to provide The first-aid boxes or cupboards at a work place which are adequate and appropriate equipment, facilities and personnel to enable first aid to be given to your employees if they are injured or become ill at work. The minimum provision for all sites is:

- A first aid box with enough equipment to cope with the number of workers on site as per the order;
- An appointed person to take charge of first-aid arrangements;
- Information telling workers the name of the appointed person or first aider and where to find them. A notice in the site hut is a good way of doing this.
- The first-aid arrangements should cover shift working, night and weekend working where this is carried out. This may mean appointing or training several people to ensure adequate cover.

#### **7.1.5.5. Notice of Accidents and Dangerous Occurrences.**

The OSHA Act, 2007 requires an employer or self-employed person shall notify the area occupational safety and health officer of any accident, dangerous occurrence, or occupational poisoning which has occurred at a workplace as follows:

1. Where an accident in a workplace, causes the death of a person therein, within twenty-four hours of the occurrence of the accident
2. Where an accident in a workplace causes non-fatal injuries to a person within seven days of the occurrence of the accident.

### **7.2. Environmental Risk Assessment (ERA).**

Risk assessment is the process of evaluating the consequences of a hazard and their probabilities. The hazard identification process involved an assessment of all project activities and associated environmental aspects and resulted in the development of a list of potential environmental hazards and impacts. Once these potential impacts were identified, impacts risk rating was done.

#### **1. Impact Rating**

Evaluation of the impacts was done to determine whether or not it is significant. The quantification scale of 0, 1, 3 and 5 was used. The criteria used in evaluating significance are as follows:

- Legal/regulatory requirements (L)
- Risk factor (R)
- Frequency of occurrence of impact (F)
- Importance of impact on an affected environmental components (I)
- Public perception/interest (P).

Criteria and ratings for identifying significant environmental impacts of the project are as follows:

#### **2. Legal / Regulatory Requirements (L)**

- 0 = There is no legal/regulatory requirement
- 3 = There is a legal/regulatory requirement
- 5 = There is a permit required

### 3. Risk (R)

- 1= Low risk
- 3 = Medium/intermediate risk
- 5 = High risk

### 4. Environmental Impact Frequency (F)

- 1 = Low frequency
- 3 = Medium / intermediate frequency
- 5 = High frequency

### 5. Importance of Affected Environmental Component and Impact (I)

- 1 = Low importance
- 3 = Medium/intermediate importance
- 5 = High importance

### 6. Public Perception (P) – The rating of public perception and interest in proposed project and impacts based on consultation with stakeholders?

- 1 = Low perception and interest
- 3 = Medium/intermediate perception and interest
- 5 = High perception and interest

See table 7 below.

Table 7: Risk assessment matrix.

Potential/Associated Impacts	Assessment criteria					Total score L+R+F+I+P	Risk rating
	L	R	F	I	P		
Air pollution	3	1	1	3	3	11	Medium
Increased traffic	0	1	3	3	3	10	Medium
Noise and excessive vibrations pollution	3	1	1	1	1	7	Low
Soil erosion	0	1	3	1	1	6	Low
Solid waste generation	5	1	5	1	1	13	Medium
Increased effluent generation	3	1	5	1	1	11	Medium
Increased water demand	3	1	5	3	1	13	Medium

Potential/Associated Impacts	Assessment criteria					Total score L+R+F+I+P	Risk rating
	L	R	F	I	P		
Occupational health and safety concerns	3	3	3	1	3	13	Medium
Social and economic impacts	0	1	3	3	1	8	Medium
Increased energy demand	3	1	5	1	1	11	Medium
Increased surface runoff	0	1	5	1	1	8	Medium
Risks of fire outbreaks	3	1	5	1	1	11	Medium
Displacement of residents	3	3	1	1	3	11	Medium

### Interpretation of the Risk Assessment Matrix.

The identified associated and potential impacts of the proposed project were quantified using the Risk Assessment Matrix. The significant potential impacts of the proposed project were identified as those impacts that satisfy the following criteria.

- (L+R+F+I+P)  $\geq 15$ : Sum of weight of legal requirements. Risk factor, frequency of occurrence, importance and public perception greater than or equal to the benchmark (15).
  - (F+I)  $\geq 6$ : Sum of weight of frequency of occurrence and importance of affected environmental component exceeds the benchmark (6).
  - P=5: The weight of the public perception/interest in the potential impact is 5
- See table 8 below.

Table 8: Impact value and rating.

	Values	Impact rating	Impact significance
L+R+F+I+P	<8	Low	Not Significant
	≥8 but <15	Medium	Significant
	≥15	High	
F + I	≥6		
P	= 5		
Positive		Positive	Beneficial

## **CHAPTER EIGHT: ANALYSIS OF PROJECT ALTERNATIVES.**

### **8.1. Introduction.**

This chapter analyses the project alternatives. The alternatives which have been discussed include no action, site and materials and technology alternatives.

### **8.2. Sites Alternative.**

Relocation of the proposed project to another site would require the proponent to acquire land elsewhere. The determinant factors for choice and acquisition of the preferred site were availability of land, suitability for the intended development and target market, existing demand, zonation and minimal environmental impacts. The proposed site is suitable for the proposed project.

### **8.3. No Action Alternative.**

If the proposed project is not implemented, there will be no negative impacts on the natural and social environment caused by the construction works and operation of the project. This can be assessed positively. Preliminary assessment of the planned activities, along with the expected negative impacts, revealed significant positive aspects that will not occur in case of the project failure. The most notable positive results of the project implementation are socio-economic benefits, expected in the area during the project construction and operation. In addition, the services required for the proposed project e.g. building materials, transport services will be developed, which in turn will create additional sources of income and create employment.

### **8.4. The proposed Project Alternative.**

Under the proposed project alternative, the proposed project would be approved by NEMA, provided all environmental mitigation measures are complied with during all the phases. This is the most suitable option.

### **8.5. Material and Technology Alternative.**

The proposed project shall be constructed using EPS panels which shall be locally sourced from the NHC EPS factory. EPS panels are light, easy to install, fire resistant, reduces cost of construction, energy efficient.

The proponent shall install solar panels so that solar energy is also used as an alternative. Renewable energy sources plays a vital role not only in saving money but also helps in



protecting our environment. The project will also have water harvesting installation to reduce surface water runoff and ensure enhanced water supply to the facility.

## **8.6. Waste Water Management Alternatives.**

### **1. Waste Water Treatment Plant.**

This involves the construction of a wastewater treatment plant that uses chemicals to treat the effluents to acceptable standards. It is expensive to construct and maintain a wastewater treatment plant. The sludge from the treatment plant can be composted and used for gardening. This is however not justified given the size of the proposed project.

### **2. Use of Septic Tanks.**

This involves the construction of underground concrete-made tanks to store the sludge. The wastewater from the septic tanks is then channeled to soak pits. Considering the size of the proposed project, this is not viable option for the proposed project.

### **3. Connection to the Public Sewer Line System.**

Connection to the sewer line option is the most viable option for the proposed project considering the magnitude of the project and the availability of the sewer line system which is already available within the proposed project site.

## **8.7. Analysis of Alternatives.**

It can be concluded that if the project is not implemented, some low level environmental impacts could be avoided, though the development of the area and socio-economic condition will be impeded. Considering rational design decisions and appropriate mitigation measures, the residential development construction and operation will result in much more important socio-economic benefits, rather than the no-action alternative, hence, the latter was ignored. Construction of the project is of notable importance for the improvement of the economic situation in the country.

## **CHAPTER NINE: ENVIRONMENTAL MITIGATION MEASURES AND ENVIRONMENTAL MANAGEMENT PLANS.**

### **9.1. Introduction.**

Environmental management plan is aimed at ensuring that the identified impacts of a proposed project are contained and brought to acceptable minimum levels during all phases. An environmental management/monitoring plan has been developed to assist the proponent in mitigating and managing environmental impacts associated with the life cycle of the proposed project. The objectives of the Environmental Management Plan are:-

- To guide the project proponent in project planning.
- To guide the project proponent on the likely impacts of the project and when they are likely to occur.
- To give an assessment of the capacity requirements for the implementation of the EMP.
- To guide the project proponent to allocate adequate resources for the implementation of the proposed mitigation measures.

A comprehensive EMP has been developed. The EMP assigns responsibility and gives costs estimates for implementing the proposed mitigation measures as shown in tables 9, 10 and 11 below.

### **9.2. Monitoring and Evaluation (M & E).**

Compliance environmental monitoring is required during all the phases of the proposed project (construction, operation and decommissioning). Accordingly, a compliance monitoring plan is included in this EMP. The parameters to be monitored will help to provide information on the quality of the environment as the project progresses.

### 9.3. Environmental Management and Monitoring Plan.

#### 9.3.1. Environmental Management Plan Construction Phase.

Table 9: Environmental management plan construction phase.

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
Air pollution.	<ul style="list-style-type: none"> <li>•Frequent wetting of access roads to suppress and prevent fugitive dust generation</li> <li>•Maintenance of effective exhaust systems on vehicles.</li> <li>•Watering of exposed soil areas</li> <li>•Daily cleaning of machinery to remove any accumulation of loose materials and other debris</li> <li>•Cover soil stockpiles and haul truck loads</li> <li>•During the transportation, construction materials shall be covered with tarpaulin.</li> <li>•Workers must be provided with personal protective equipment.</li> <li>•The site will be fenced.</li> </ul>	Contractor	Inspections	Throughout the construction period	50,000
Increased traffic.	<ul style="list-style-type: none"> <li>•Use adequate signage and impose appropriate maximum speeds</li> <li>•Designate a route for vehicles entering the site.</li> </ul>	Contractor	Inspections	Throughout construction period	20,000
Noise and excessive vibrations pollution.	<ul style="list-style-type: none"> <li>•To minimize impacts of noise generation from construction activities, the workers will be provided with PPEs including ear muffs and other protection devices.</li> </ul>	Contractor	Inspections	Throughout construction period	100,000

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
	<ul style="list-style-type: none"> <li>•Construction activities shall only be carried out during the day to minimize disruption.</li> <li>•Equipment used in construction shall be properly maintained to keep noise emissions within the permissible levels.</li> <li>•Engines shall be turned off when not in use.</li> <li>•Delivery of raw materials to site to be done only during the day</li> <li>•The contractor shall ensure compliance with the Environmental Management and Coordination (Noise and Excessive Vibration Pollution) (Control) Regulations, 2009 on permissible noise levels.</li> </ul>				
Soil erosion.	<ul style="list-style-type: none"> <li>•Dispose of excavated material at a designated site</li> <li>•Stabilize exposed areas susceptible to erosion by planting vegetation</li> <li>•Top soil will be stockpiled and used for landscaping.</li> <li>•Control construction activities especially during rainy conditions</li> <li>•Excavation during dry season and proper management of excavated soils</li> <li>•Clearing all debris from site as soon as construction is over.</li> </ul>	Contractor	Inspections	During construction	50,000

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
Solid waste generation.	<ul style="list-style-type: none"> <li>•The contractor shall designate on-site waste storage areas, provide adequate amount of waste storage facilities, and protect stored wastes from potential runoff by rain or wind.</li> <li>•It is recommended that, wherever possible, to minimize the production of solid waste, reduce packaging wastes by purchasing materials in greater quantities or purchase materials packaged in reusable or recyclable containers.</li> <li>•Prohibit littering by construction personnel.</li> <li>•Regular collection of wastes for disposal at designated sites</li> <li>•Recycling and reuse of construction wastes</li> <li>•The proponent shall contract a NEMA licensed waste handler for proper waste disposal</li> <li>•All wastes shall be handled in accordance with the provisions of EMCA, waste management regulations 2006.</li> </ul>	Contractor	Inspections, records	Throughout the construction period.	50,000
Effluent generation.	<ul style="list-style-type: none"> <li>•Provide adequate sanitary facilities for workers on site.</li> </ul>	Contractor	Inspections	Throughout construction period	30,000
Increased water demand.	<ul style="list-style-type: none"> <li>•Curing water will be sprayed on concrete structures and free flow of water not allowed.</li> <li>•Sensitize the workers on water conservation measures such as ensuring taps are not running when not being used.</li> </ul>	Contractor	Inspections	Throughout the construction period	50,000

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
Occupational Health and safety Concerns.	<ul style="list-style-type: none"> <li>•Provision of clean drinking water, adequate toilet facilities, solid waste disposal system.</li> <li>•Provision of Personal Protective Equipment (PPEs) to all workers</li> <li>•Guarding of dangerous machine parts and maintenance of equipment</li> <li>•Adequate provision of firefighting equipment</li> <li>•Provision of a first aid kit on site</li> <li>•All applicable laws and regulations pertaining to health and welfare at the workplace of the people will be adhered to.</li> </ul>	Contractor	Inspections, records	Throughout the construction period	50,00
Social and economic impacts.	<ul style="list-style-type: none"> <li>•The contractor shall ensure that there is adequate street lighting within the site</li> <li>•It is recommended that the contractor employs workers from the immediate area where to avoid social conflict</li> <li>•Sensitize workers on good behavior and the need to co-exist with the neighbors;</li> <li>•The contractor shall employ security personnel to protect constructor assets as well as the staff on site</li> <li>•Sensitize workers on prevention of STDs, HIV and Voluntary Counseling and Testing</li> <li>•Workers not from area will be sensitized to respect and obey the local customs and social norms of the area</li> <li>•Establish a code of conduct for the workers</li> </ul>	Contractor	Records, inspections	Throughout the construction period	20,000



### 9.3.2. Environmental Management Plan Operational Phase.

Table 10: Environmental management plan operational phase.

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
Increased waste generation.	<ul style="list-style-type: none"> <li>•Designate a temporary waste storage area within the development and provide waste collection containers</li> <li>•The proponent shall ensure regular collection of wastes to avoid accumulation of waste</li> <li>•The proponent shall contract a NEMA licensed waste handler for collection of wastes for disposal at licensed disposal sites.</li> <li>•The proponent shall ensure all wastes are handled in compliance with the provisions of EMCA, Waste Management Regulations, 2006.</li> </ul>	Proponent	Records	Continuous	50,000
Increased Water Demand.	<ul style="list-style-type: none"> <li>•Installation of low flow flushing systems</li> <li>•Regular monitoring for timely detection and repair of all leakages</li> <li>•Make structural provisions within the development plan for rain water harvesting.</li> <li>•Sensitize residents on water conservation measures</li> </ul>	Proponent, residents	Inspections	Continuous	150,000
Increased Energy Demand.	<ul style="list-style-type: none"> <li>•The project is designed in such a way that natural light and air will be enhanced in the project to avoid electricity for lighting during the day.</li> </ul>	Proponent, residents	Inspections	Continuous	100,000

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
	<ul style="list-style-type: none"> <li>•Houses at the project will be energy efficient through use of low energy conserving fixtures.</li> <li>•Sensitize residents on methods of energy conservation</li> <li>•Installation of solar panels</li> </ul>				
Increased effluent generation.	<ul style="list-style-type: none"> <li>•Effluent waste shall be connected to the existing sewer line system.</li> <li>•Regular inspection and maintenance of the sewerage system</li> </ul>	Proponent	Inspections	Continuous	50,000
Increased surface runoff.	<ul style="list-style-type: none"> <li>•Incorporate rain water harvesting system in the designs of the proposed project.</li> <li>•Construction of an effective storm water drainage system</li> <li>•Regular cleaning of the storm water drainage system.</li> </ul>	Proponent	Inspections	Continuous	100,000
Risks of fire outbreaks.	<ul style="list-style-type: none"> <li>•The proponent shall provide adequate firefighting equipment within the facility.</li> <li>•Sensitize the residents on prevention of fire accidents.</li> </ul>	Proponent, residents	Inspections, records	Continuous	100,000

### 9.3.3. Environmental Management Plan Decommissioning Phase.

Table 11: Environmental management plan decommissioning phase.

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
Generation of demolition wastes.	<ul style="list-style-type: none"> <li>•The contractor shall ensure that waste is segregated at source and separated in a suitable manner into general, hazardous waste and material which can be recycled/reused.</li> <li>•Wherever possible recycling shall be carried out.</li> <li>•The contractor shall designate a waste collection area within the site and provide an adequate number of waste receptacles for waste collection</li> <li>•The contractor shall engage a NEMA licensed waste handler for collection and disposal of waste</li> <li>•Particular care shall be taken in handling of materials that could be wind-borne or waterborne to ensure that the release of these materials is minimized</li> <li>•The contractor shall ensure that no dumping of waste within the surrounding</li> <li>•The contractor shall ensure that all waste is disposed off at a licensed site.</li> </ul>	Contractor	Inspections, records	Throughout the decommissioning period	150,000

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
Noise and excessive vibrations pollution.	<ul style="list-style-type: none"> <li>•The contractor shall ensure that all decommissioning machines are regularly maintained</li> <li>•Demolition activities shall be restricted to day time</li> <li>•The contractor shall sensitize the truck drivers on noise reduction</li> </ul>	Contractor	Inspections	Throughout the decommissioning period	70,000
Air pollution.	<ul style="list-style-type: none"> <li>•The contractor shall provide all the workers with proper Personal Protective Equipment and clothing.</li> <li>•Minimizing dust from open area sources, including storage piles, by using control measures such as installing enclosures and covers, and watering the site and exposed soils</li> <li>•All machinery generating emissions must be regularly serviced and maintained such that their emissions are acceptable.</li> <li>•Control vehicle speed limits to minimize dust generation</li> <li>•Sprinkle traffic routes with water regularly</li> </ul>	Contractor	Inspections	Throughout the decommissioning period	100,000

ISSUES	PROPOSED MITIGATION MEASURES	RESPONSIBILITY	MONITORING	TIME	COST IN (KSHS)
Occupational Health and Safety Concerns.	<ul style="list-style-type: none"> <li>•The contractor shall provide workers with PPEs and ensure their use</li> <li>•The contractor shall train all the workers before the commencement of demolition activities on how to prevent accidents</li> <li>•The contractor shall provide a first aid kit on site.</li> <li>•Provide a public notice on the ongoing works</li> <li>•The site shall be fenced and the gates kept closed at all times to prevent unauthorized entry to the site.</li> </ul>	Contractor	Inspections, records	Throughout the decommissioning period	100,000
Displacement of residents.	<ul style="list-style-type: none"> <li>•Give notice to the residents on the intention to decommission the project early enough to enable them look for alternative accommodation.</li> </ul>	Proponent	Records, reports	Prior to commencement of decommissioning activities	No extra cost

## **CHAPTER TEN: RECOMMENDATIONS AND CONCLUSIONS.**

### **10.1. Conclusions.**

The potential impacts of the project on the existing environment of the project area were identified and evaluated and the impact assessment was based on the interactions between the project activities and the environmental status and sensitivities of the various ecological components of the project, namely the biophysical, social, and health components.

Mitigation measures for the identified impacts were proposed. These mitigation measures were incorporated into the Environmental Management Plan (EMP), which would ensure the potential adverse impacts and associated impacts of the project on the environment implemented throughout the life of the project.

The EIA has demonstrated that the overall impacts associated with the proposed project can be managed within reasonable and acceptable limits by applying all proposed mitigation measures contained in the EMP.

In consideration of the above therefore, there is no major environmental issue to impede the development of the proposed project, All the identified potential adverse impacts of the proposed project shall be eliminated or reduced through the implementation of the recommended mitigation measures.

The benefits that will be derived from the proposed residential development project are therefore much greater than the short-term environmental effects.

It is concluded that the proposed project will not cause serious damage to the environment if the EMP is implemented.

### **10.2. Recommendations.**

Based on the findings of the EIA, the proposed project is considered to have an overall low negative environmental impact and an overall moderate positive socio-economic impact, with the implementation of respective mitigation measures.

Taking into consideration the findings of the EIA process, it is the opinion of the Lead expert that the project benefits outweigh the impacts and that the project will make a positive contribution to country.

Provided that the proposed mitigation measures are implemented effectively, it is recommended that the project be allowed to proceed.



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## **APPENDICES.**

## **Appendix I: Copies of EIA Experts NEMA License.**

FORM 7 (r.15(2))

  
**nema**  
mazingira yetu | uhai wetu | wajibu wetu

**NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY(NEMA)**  
THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT


**ENVIRONMENTAL IMPACT ASSESSMENT/AUDIT (EIA/EA) PRACTICING LICENSE**

License No : NEMA/EIA/ERPL/8792  
Application Reference No: NEMA/EIA/EL/12191

M/S **Mwongera Murungi**  
(individual or firm) of address  
P.O. Box 22790 - 00100, Nairobi

is licensed to practice in the  
capacity of a (Lead Expert/Associate Expert/Firm of Experts) **Lead Expert**  
registration number **0892**  
in accordance with the provision of the Environmental Management and Coordination Act Cap 387.

Issued Date: **1/8/2019** Expiry Date: **12/31/2019**

Signature..... 

(Seal)  
 **Director General**  
**The National Environment Management Authority**

**P.T.O.**  
  
ISO 9001: 2008 Certified

**Appendix II: Copy of the Proposed Project Site Legal Document of  
Ownership – Certificate of Lease.**





REPUBLIC OF KENYA

THE LAND REGISTRATION ACT  
(No. 3 of 2012, Section 108)

THE REGISTERED LAND ACT  
(Chapter 300, Repealed)

## Certificate of Lease

TITLE No.

APPROXIMATE AREA

ELDORET MUNICIPALITY BLOCK 11/42

2.687HA

LESSOR GOVERNMENT OF KENYA

RENT Sh.64,490/-

TERM 99 YEARS FROM 1.11.2011

*This is to certify that* NATIONAL HOUSING  
CORPORATION

P.O. BOX 50249 NAIROBI

is (are) now registered as the proprietor(s) of the leasehold interest above referred to, subject to the agreements and other matters contained in the registered lease, to the entries in the register relating to the lease and to such of the overriding interests set out in section 30 of the Registered Land Act as may for the time being subsist and affect the land comprised in the lease.

GIVEN under my hand and the seal of the

ELDORET District Land Registry

this 20TH day of JUNE, 20 18







REPUBLIC OF KENYA

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THE REGISTERED LAND ACT  
(Chapter 300, Repealed)

## Certificate of Lease

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### **Appendice III: Copies of Document of Evidence of Consultation and Public Participation – Questionnaires.**

**NATIONAL  
HOUSING  
CORPORATION**



KAPSUSWA

National Housing Corporation  
P. O. Box 30257-00100 NAIROBI  
Tel: +254 312147/312149  
Fax: +254 (020) 311318  
E-mail: info@nhkenya.co.ke

Dear Sir/ Madam,

**RE: Stakeholders Environmental Impact Assessment (EIA) Interview Questionnaire.**

National Housing Corporation NHC is carrying out an Environmental Impacts Assessment for PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY. This is in accordance with NEMAs' Environmental (Impact Assessment and Audit) regulations, 2003 under the Environmental Management and Coordination Act (EMCA - 1999) You have been positively identified as a neighbor / Stakeholder to the proposed project and you are kindly requested to respond to the questions below as objectively as possible. Your views shall be used for professional judgment of the project impacts on the environment.

1. How long have you been working / living here? 4 years How long has your facility been operating here? None
2. How far from the proposed project site do you live? 5 metres
3. What do you think / feel are the positive impacts associated with the proposed project?
  - a) Security
  - b) Hygiene
  - c) Good house
  - d) Reasonable rent
  - e) -
4. What do you think / feel are the negative impacts associated with the proposed project?
  - a) N/A
  - b) N/A
  - c) N/A
  - d) N/A
5. What measures do you propose to mitigate the above mentioned negative impacts?
  - a) N/A
  - b) N/A
  - c) N/A
  - d) N/A
  - e) N/A
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons. ....
8. What is your occupation? Business Lady
9. Any other comments. N/A

Name: JANET CHEROP ID No: A1558975  
Phone No: 0728320041 Signature: [Signature]  
Thank you for your participation

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403



NATIONAL  
HOUSING  
CORPORATION



National Housing Corporation  
P. O. Box 30257-00100 NAIROBI  
Tel: +254 312147/312149  
Fax: +254 (020) 311318  
E-mail: info@nhckkenya.co.ke

Dear Sir/ Madam,

RE: Stakeholders Environmental Impact Assessment (EIA) Interview Questionnaire.

National Housing Corporation NHC is carrying out and Environmental Impacts Assessment for PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY. This is in accordance with NEMAS' Environmental (Impact Assessment and Audit) regulations, 2003 under the Environmental Management and Coordination Act (EMCA – 1999) You have been positively identified as a neighbor / Stakeholder to the proposed project and you are kindly requested to respond to the questions below as objectively as possible. Your views shall be used for professional judgment of the project impacts on the environment.

- 2
1. How long have you been working / living here? 32yrs How long has your facility been operating here? C.T
2. How far from the proposed project site do you live? less than 100 metres
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) Better living standard
  - b) Job opportunity
  - c) Resource management
  - d) Creating more sources to homeless
  - e) Lock out land grabbers
4. What do you think / feel are the negative impacts associated with the proposed project?
- a) No playground for young nation
  - b) Noise Pollution
  - c) Limited movement to emergency access
  - d)
  - e)
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a) Access to the facility should be considered in case of any emergency
  - b)
  - c)
  - d) Consider safety and play space for kids
  - e)
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons.....
8. What is your occupation? Saloonist
9. Any other comments. I hope that the project will meet it's target (the residents) to be the first choice.  
The project should sustain life not to be a cheap idea thanks to everyone behind the project.
- Name: Margaret Nyambuki ID No: 0839090
- Phone No: 07048291985 Signature: de
- Thank you for your participation

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1. How long have you been working / living here? 60 yrs How long has your facility been operating here? None

2. How far from the proposed project site do you live? 1 km

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Availability of job opportunities (during the process)
- b) Access to fair house rents
- c) Access to good houses
- d)
- e)

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) Lack of acquiring a house
- b) Raise of additional rents charges
- c)
- d)
- e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) All current tenants to acquire a house
- b) The project to enhance the priorities of the tenants
- c)
- d)
- e)

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

Nil

8. What is your occupation?

9. Any other comments. Please if the projects is to be initiated

Remember to fix us in the building of  
the project. Mark us and consider our  
request.

Name: JAMES MWANI ADETEL ID No: \_\_\_\_\_

Phone No: 0719428769 Signature: [Signature]

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403



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1. How long have you been working / living here? 50 yrs How long has your facility been operating here? N/A

2. How far from the proposed project site do you live? 20 m

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Good houses
- b) Reasonable Rents
- c) \_\_\_\_\_
- d) \_\_\_\_\_
- e) \_\_\_\_\_

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) \_\_\_\_\_
- b) Not getting a house after the project is complete
- c) \_\_\_\_\_
- d) \_\_\_\_\_
- e) \_\_\_\_\_

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) \_\_\_\_\_
- b) All the tenants that are available now to get
- c) replaced first in the new houses.
- d) \_\_\_\_\_
- e) \_\_\_\_\_

6. Do you have any objections to the proposed project?

Yes



No



7. If yes in question 6 above kindly give your reasons.

N/A

8. What is your occupation? \_\_\_\_\_

9. Any other comments. Its beter when they finishe the project  
artist to have 2 bedrooms

Name: ROBERT WESONGA ID No: 14531895

Phone No: 0713144201

Signature: R. WESONGA

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403

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1. How long have you been working / living here? 40 yrs How long has your facility been operating here? 40 yrs
2. How far from the proposed project site do you live? 70 meters
3. What do you think / feel are the positive impacts associated with the proposed project?
  - a) The project will help the community living
  - b) near the site
  - c) to provide great job opportunity to community
  - d) job opportunity unit for community
4. What do you think / feel are the negative impacts associated with the proposed project?
  - a) the project will impact noise and impact to
  - b) the project
  - c) the project must consider first community living
  - d) near site
5. What measures do you propose to mitigate the above mentioned negative impacts?
  - a) we request first in any agenda of the
  - b) project to consider first families near the site
  - c) job opportunity to consider the community
  - d) transparent and accountability in the project
6. Do you have any objections to the proposed project? Yes ☒ No ☐
7. If yes in question 6 above kindly give your reasons... We request first to consider family living near the project in any agenda and all process.
8. What is your occupation? housewife
9. Any other comments. 1 decision making and job opportunity to consider entire community

Name: MARGRET WANDINKU ID No: 4738223

Phone No: 0715 70 31 32 Signature: MB

Thank you for your participation

1

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1. How long have you been working / living here? 5 yrs How long has your facility been operating here? good

2. How far from the proposed project site do you live? 100 mtrs

3. What do you think / feel are the positive Impacts associated with the proposed project?

- a) It will improve living standard
- b) It will promote more security as
- c)
- d)
- e)

4. What do you think / feel are the negative Impacts associated with the proposed project?

- a) It may lead to displacement of current tenants
- b) It may be too expensive to rent
- c)
- d)
- e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) The corporation to give the current tenants fast priority
- b) The co-operation to set a rent which is pocket friendly
- c)
- d)
- e)

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

8. What is your occupation? Self employed

9. Any other comments. The co-operation should consider the consent of people per unity area so that there could be no over population

Name: Alfred Okumu ID No: 31693729

Phone No: 0723408567 Signature: [Signature]

Thank you for your participation

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1. How long have you been working / living here? 5 yrs How long has your facility been operating here? 12 yrs

2. How far from the proposed project site do you live? 11 meters

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) I feel good as it will provide employment
- b) It will provide us with good houses
- c) The houses will be affordable to everyone

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) The project will take long time to be ready
- b) It will not be good to people with children

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) They should make flat houses to help
- b) people with small childrens
- c) They should provide material available and
- d) marks should be many to finish the work faster

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

8. What is your occupation? Self employed

9. Any other comments.

- They should provide dust bin
- They should provide security
- They should help us to take care of environment

Name: LIVINGSTONE AKOLA ID No: 29550844

Phone No: 072123719 Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? BUS How long has your facility been operating here? N/A

2. How far from the proposed project site do you live? 1.00 METERS

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) improved living standards  
b) providing housing  
c) improved security  
d) improved infrastructure  
e) improved environment

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) N/A  
b) N/A  
c) N/A  
d) N/A  
e) N/A

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) N/A  
b) N/A  
c) N/A  
d) N/A  
e) N/A

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

8. What is your occupation? NONE ONLY PART TIME JOB

9. Any other comments. I comment that for build houses to first accommodate people occupying their demolished houses / current structures.

Name: Emmanuel Simiyu ID No: 2065/1453

Phone No: 0706676725 Signature: [Signature]

Thank you for your participation

1

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1. How long have you been working / living here? 22 yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 30 mtrs

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) we will be get jobs from the project.
- b) new houses and bigger will be available
- c) security will be also be available
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) the rent will go higher
- b) we should not put tribe in the project.
- c) the project shall employ and consider
- d) people living around first.
- e) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) low rent houses which have a fair rent
- b) we shall employ all the tribes
- c) employ people of this area first
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons NIL

8. What is your occupation? .....

9. Any other comments once the project begins please consider us as first people to work on the project

Name: DANIEL MUMAYI ID No: 27167108

Phone No: 0710413215 Signature: [Signature]

Thank you for your participation

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1. How long have you been working / living here? 29 months How long has your facility been operating here? the same time/period

2. How far from the proposed project site do you live? 100 metres.

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) .....
- b) None
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) None
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

.....

8. What is your occupation? One bedroom

9. Any other comments for me I would like the Government to give the families who are living here now the first priority to occupy the houses.

Name: Julius M Gachathi ID No: 21572859

Phone No: 0726945696 Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? ~~10 years~~ How long has your facility been operating here? 19 years

2. How far from the proposed project site do you live? 60 metres

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) better housing condition / condition
- b) Moderate rent
- c) house with adequate accommodation
- d) house with perimeter wall for security purposes
- e) house of new technological features

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) congestion
- b) insecurity due to lack of perimeter wall
- c) poor health condition due to pollution of environment
- d) High rent rate which may affect low income earners

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) proper spacing to avoid congestion
- b) strong perimeter wall to avoid insecurity
- c) provision of enough quantity water and safe disposal of waste water
- d) rent must rate to be the measure of low income earners
- e) proper regulated maintenance

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

8. What is your occupation? Water technician

9. Any other comments.

Name: DICKSON ODIO ID No: 22654060

Phone No: 0724584299/0719899460 Signature: [Signature]

Thank you for your participation

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1. How long have you been working / living here? 8 years How long has your facility been operating here? 8 years

2. How far from the proposed project site do you live? 300 M

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) feel good and how long it will take to complete
- b) the co-op will take the same stakeholders?
- c) hope to see new change in future
- d) what is going to manage in future
- e) How many rooms is each house going to be

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) negative! is going to be completed?
- b) security
- c)
- d)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a)
- b)
- c)
- d)
- e)

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

N/A

8. What is your occupation? h.w

9. Any other comments. N/A

Name: FUNICE JEPKORIK ID No: 27074822

Phone No: 0728043407 Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? 20 yrs How long has your facility been operating here? 20 yrs
2. How far from the proposed project site do you live? 100 meters
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) Big rooms
  - b) Safe environment
  - c) Enough space
  - d)
  - e)
4. What do you think / feel are the negative impacts associated with the proposed project?
- a) None
  - b)
  - c)
  - d)
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a) None
  - b)
  - c)
  - d)
  - e)
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons.
8. What is your occupation? Taxi driver
9. Any other comments.
- \* The flats should not be too high because of children  
\* The rent should be considered
- Name: Abutto Maurice ID No: 10016746
- Phone No: 0712897573/0712670126 Signature: Abutto
- Thank you for your participation

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1. How long have you been working / living here? 20yrs and 30yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 300 meters

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Affordable houses for rent
- b) celling
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) Seating
- b) We don't know each other
- c) Stealing and gossip
- d) When washing clothes, smoke ya kanta
- e) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) To have a core lake
- b) To be introduced by Mzee wa mitaa
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? BUSINESS

9. Any other comments Good improvement

Name: MARTHA CHOMBA ID No: 10031741

Phone No: 0722468810 Signature: Martha

Thank you for your participation

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1. How long have you been working / living here? 46 How long has your facility been operating here? 46

2. How far from the proposed project site do you live? Approximately

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Modern houses with better or improved facilities
- b) More people of tenants will be accommodated
- c) Playing grounds for youths will be provided
- d) Security will be improved
- e) No wastage of site ground

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) The stakeholder will not be accommodated
- b) Neighbour will not be considered
- c) Low rent accommodation
- d) Excess fees cost

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) There should be a signed agreement between stakeholder/Neighbour and the Uasin Gishu County Govt.
- b) All new houses should be gazetted in the
- c) All new houses etc tenants to be accommodated first.
- d) Number of tenants should be used.
- e) Number of tenants should be used.

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

8. What is your occupation? Business man

9. Any other comments. Stakeholder/Neighbour's forum for

participation should be established

Review index of our stakeholder/Neighbour should be followed. (Added)

Name: Atked CMN Butis ID No: 0844517

Phone No: 0721526995 Signature: [Signature]

Thank you for your participation

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P. O. Box 30257-00100 NAIROBI  
Tel: +254 312147/312149  
Fax : +254 (020) 311318  
E-mail: info@nhckenya.co.ke

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1. How long have you been working / living here? 38 yrs How long has your facility been operating here? .....
2. How far from the proposed project site do you live? 200 metres Approximately
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) modern housing with better facilities
  - b) housing management will be better
  - c) it will lead to good environment for healthy living conditions
  - d) no wastage of site ground
  - e) flying ground for youth will be provided
4. What do you think / feel are the negative impacts associated with the proposed project?
- a) increase in rent payment will affect a lot of people with low in
  - b) relocation of some people will make it hard to move in but not been clear
  - c) we have no idea how long the project will take to be complete
  - d) .....
  - e) .....
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a) the community should be involved more in the project
  - b) there should be more communication an event to the community
  - c) .....
  - d) .....
  - e) .....
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons. ....
8. What is your occupation? Business Man
9. Any other comments. ....
- the community should be involve more in the project  
please consider everyone the rent should not be  
raise to a point that it would affect a lot of us  
most of the people have low income  
JECKONIA AMOLLO  
Business Man

Name: Business Man ID No: .....

Phone No: 0713690747 Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? 8 yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 200 meters approximately .....

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Good housing conditions
- b) Housing management will be better
- c) It will lead to good environment for healthy living condition
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) Increase in rent payment will affect a lot of people with low income
- b) Relocation of how people will move in has not been yet set clear
- c) We have no idea how long the project will take to be complete
- d) .....
- e) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) The community should be involved more in the project
- b) they should be make communication on events to the community
- c) Rent should be considerable to favour everyone
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons: .....

8. What is your occupation? Business .....

9. Any other comments: Please consider everyone. The rent should not be raised to a point that it would affect a lot of us. Most of the people have low income. .....

Name: Josephine Ayumu ID No: 1445579

Phone No: 0719853312 Signature: JR

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403

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1. How long have you been working / living here? 3yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 100 metres

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) it is good because it will occupy many people
- b) .....
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....
- b) N/A
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) N/A
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons: N/A

8. What is your occupation? LC

9. Any other comments. When the project will complete you first recognize all the residents of this area

Name: JUSTICE KIANJIRU ID No: 21790827

Phone No: 0721954189 Signature: Jy

Thank you for your participation

1

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1. How long have you been working / living here? 7..... How long has your facility been operating here? 7 years
2. How far from the proposed project site do you live? Like 50 kms away.
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) Improvement business wise
  - b) Good security
  - c) Improved environment
  - d) Good neighbour hood
4. What do you think / feel are the negative impacts associated with the proposed project?
- a) Maybe there will be no space for kids to play.
  - b)
  - c)
  - d)
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a) Find a new place for kids like play ground
  - b)
  - c)
  - d)
  - e)
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons.....
8. What is your occupation? House manager / Housewife
9. Any other comments. NO COMMENTS

Name: CARREN VIRGINIA ID No: 32244700  
Phone No: 0718407521 Signature: [Signature]  
Thank you for your participation

1

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- 20
1. How long have you been working / living here? 5yrs How long has your facility been operating here? 5yrs
  2. How far from the proposed project site do you live? 25m North side of the project.
  3. What do you think / feel are the positive Impacts associated with the proposed project?
    - a) It will provide more shelter for tenants.
    - b) Exposure to modern houses.
    - c) It promotes better standard of living.
    - d)
    - e)
  4. What do you think / feel are the negative Impacts associated with the proposed project?
    - a) Scarcity of basic things.
    - b) Insecurity.
    - c) Increase in demand for high rent.
    - d)
    - e)
  5. What measures do you propose to mitigate the above mentioned negative impacts?
    - a) To employ security guards.
    - b) To build constructed markets which will provide the vendors.
    - c) Moderate rents.
    - d)
    - e)
  6. Do you have any objections to the proposed project? Yes ☐ No ☒
  7. If yes in question 6 above kindly give your reasons.....
  8. What is your occupation? Tenant
  9. Any other comments.....
- Name: Patrick Ochieng' ID No: 31082625  
Phone No: 0724030177 Signature: [Signature]  
Thank you for your participation

1

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1. How long have you been working / living here? 10 yrs How long has your facility been operating here? 10 yrs
2. How far from the proposed project site do you live? 500 mts.
3. What do you think / feel are the positive impacts associated with the proposed project?
  - a) better housing facilities
  - b) Good living conditions
  - c) \_\_\_\_\_
  - d) \_\_\_\_\_
  - e) \_\_\_\_\_
4. What do you think / feel are the negative impacts associated with the proposed project?
  - a) \_\_\_\_\_
  - b) none
  - c) \_\_\_\_\_
  - d) \_\_\_\_\_
  - e) \_\_\_\_\_
5. What measures do you propose to mitigate the above mentioned negative impacts?
  - a) \_\_\_\_\_
  - b) \_\_\_\_\_
  - c) none
  - d) \_\_\_\_\_
  - e) \_\_\_\_\_
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons... None
8. What is your occupation? Business
9. Any other comments. Put in consideration your old members while giving out the new houses.

Name: ROXANA MALEKO SIMUYU ID No: 10455957

Phone No: 0702 499999 Signature: Naima

Thank you for your participation



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1. How long have you been working / living here? 20 years How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 500 meters .....

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) environmental friendly
- b) affordable
- c) space
- d) facilities
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons. ....

8. What is your occupation? Carpentry .....

9. Any other comments. ....

Name: Charles Dkeye ID No: 28763347  
Phone No: 0707798992 Signature: Alexander  
Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC. Phone No. +254 0724256403

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1. How long have you been working / living here? 24 YEARS How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 20 METRES

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) THEIR WILL BE NO SPACE FOR CHILDREN TO PLAY
- b) MORE PIPE WATER NEEDED
- c) THEIR WILL BE MORE POPULATION
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) THE SEWAGE WILL NEED BIGGER PIPES
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) THE BLOCKAGE OF SEWAGE WILL STOP BLOWING AT SOME
- b) PEOPLE WILL GET MODERN HOUSES FOR RENTAL
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? WATCH TECHNIQUE

9. Any other comments. NO ANY COMMENTS

Name: JULIUS KIPTUM KIRANG ID No: 4497701

Phone No: 0724988407 Signature: [Signature]

Thank you for your participation



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- 24
1. How long have you been working / living here? 4 years How long has your facility been operating here? 4 years
  2. How far from the proposed project site do you live? 25 metres North of the project
  3. What do you think / feel are the positive impacts associated with the proposed project?
    - a) improvement of my living standards
    - b) improvement of livelihood of tenants
    - c) provide huge shelter
    - d) \_\_\_\_\_
    - e) \_\_\_\_\_
  4. What do you think / feel are the negative impacts associated with the proposed project?
    - a) high rent for tenants
    - b) insecurity because of the high number of tenants
    - c) increase in price of basic value e.g. food
    - d) \_\_\_\_\_
  5. What measures do you propose to mitigate the above mentioned negative impacts?
    - a) building a bus market to reduce demand of basic home
    - b) employment of security guards
    - c) moderate rent for tenants
    - d) \_\_\_\_\_
    - e) \_\_\_\_\_
  6. Do you have any objections to the proposed project? Yes ☐ No ☒
  7. If yes in question 6 above kindly give your reasons. \_\_\_\_\_
  8. What is your occupation? Tenant
  9. Any other comments. \_\_\_\_\_
- Name: Calvin Ouyunga ID No: 33351582  
Phone No: 0720525916 Signature: [Signature]  
Thank you for your participation

1  
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1. How long have you been working / living here? 2015 How long has your facility been operating here? from 1975

2. How far from the proposed project site do you live? 100 METERS

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) IMPROVE MODERN BUILDINGS
- b) IMPROVE FACILITIES WILL BE IMPROVED
- c) SECURITY WILL BE ENHANCED
- d) IMPROVE COMMUNICATION IN PROSITUATION
- e)

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) INFLUX OF NEW FORMER OCCUPANTS WHO WILL TRY TO OCCUPY BUILDINGS
- b) LOST THE ORIGINAL DESIGN
- c)
- d)
- e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) PROPER DEMARCATION OF BOUNDARY SO THAT NO ONE
- b) SHOULD TAKE ADVANTAGE TO DISPLACE FORMER OCCUPANTS
- c)
- d)
- e)

6. Do you have any objections to the proposed project?

Yes

☐

No

☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? ACCOUNTS CLERK

9. Any other comments.....

THERE SHOULD BE ASSURANCE THAT THE  
OR CURRENT OCCUPANTS WILL BE GIVEN OPPORTUNITY  
TO OWN THE IMPROVED BUILDINGS

Name: DDOYO LAMBELE NYABORA ID No: 13382507

Phone No: 074 586912

Signature: [Signature]

Thank you for your participation

412-106.

1

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1. How long have you been working / living here? 30yrs How long has your facility been operating here? 30yrs
2. How far from the proposed project site do you live? Same compound
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) Many tenants will get more houses
- b) More houses will be added
- c) Theft will be limited
- d) \_\_\_\_\_
- e) \_\_\_\_\_
4. What do you think / feel are the negative impacts associated with the proposed project?
- a) Water will be less
- b) Pollution due to many tenants
- c) \_\_\_\_\_
- d) \_\_\_\_\_
- e) \_\_\_\_\_
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a) Add more pipes to bring in water
- b) Use of good noise polluting source of energy
- c) \_\_\_\_\_
- d) \_\_\_\_\_
- e) \_\_\_\_\_
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons. N/A
8. What is your occupation? BUSINESS
9. Any other comments. N/A

Name: BENSON MURIGU GATHAGU

ID No: 5035447

Phone No: 0725908695

Signature: Benson Murigu Gathagu

Thank you for your participation

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- 28
1. How long have you been working / living here? 20 years How long has your facility been operating here? Not so good
  2. How far from the proposed project site do you live? Within the site
  3. What do you think / feel are the positive impacts associated with the proposed project?
    - a) It will improve the facility compared to the way it's now
    - b) \_\_\_\_\_
    - c) \_\_\_\_\_
    - d) \_\_\_\_\_
    - e) \_\_\_\_\_
  4. What do you think / feel are the negative impacts associated with the proposed project?
    - a) None
    - b) \_\_\_\_\_
    - c) \_\_\_\_\_
    - d) \_\_\_\_\_
  5. What measures do you propose to mitigate the above mentioned negative impacts?
    - a) None
    - b) \_\_\_\_\_
    - c) \_\_\_\_\_
    - d) \_\_\_\_\_
    - e) \_\_\_\_\_
  6. Do you have any objections to the proposed project? Yes ☐ No ☒
  7. If yes in question 6 above kindly give your reasons. \_\_\_\_\_
  8. What is your occupation? Business
  9. Any other comments. We will come for the proposal because it will make the place better than the way it's now
- Name: MARY JEROTICH KUMUHO ID No: 3313096  
Phone No: 0716 471 227 Signature: [Signature]  
Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403



NATIONAL  
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CORPORATION



National Housing Corporation  
P. O. Box 30257-00100 NAIROBI  
Tel: +254 312147/312149  
Fax : +254 (020) 311318  
E-mail: info@nhkenya.co.ke

Dear Sir/ Madam,

RE: Stakeholders Environmental Impact Assessment (EIA) Interview Questionnaire.

National Housing Corporation NHC is carrying out and Environmental Impacts Assessment for PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F.I.R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY. This is in accordance with NEMAs' Environmental (Impact Assessment and Audit) regulations, 2003 under the Environmental Management and Coordination Act (EMCA - 1999) You have been positively identified as a neighbor / Stakeholder to the proposed project and you are kindly requested to respond to the questions below as objectively as possible. Your views shall be used for professional judgment of the project impacts on the environment.

1. How long have you been working / living here? 36 years How long has your facility been operating here? 4 years 36

2. How far from the proposed project site do you live? 100

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☒ No ☒

7. If yes in question 6 above kindly give your reasons. ....

8. What is your occupation? .....

9. Any other comments. ....

Name: AGGREY W. OSORE ID No: 0725510

Phone No: 0716661251 Signature: [Signature]

Thank you for your participation



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Dear Sir/ Madam,

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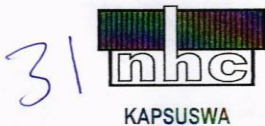
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1. How long have you been working / living here? 1962 How long has your facility been operating here? 57445 upm. date.
2. How far from the proposed project site do you live? 50 metres
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) It will create new housing for others.
  - b) It will ease housing constraints.
  - c) It will help in conservation of environment.
  - d) It will minimize land wastage.
  - e)
4. What do you think / feel are the negative impacts associated with the proposed project?
- a)
  - b) N/A
  - c)
  - d)
  - e)
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a)
  - b)
  - c) N/A
  - d)
  - e)
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons.
8. What is your occupation? House wife
9. Any other comments. N/A
- Name: MARY JERUGUT NDIWA ID No: 3257351  
Phone No: 0716/202682 Signature: Mary  
Thank you for your participation

1

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1. How long have you been working / living here? 15 How long has your facility been operating here? .....
2. How far from the proposed project site do you live? KIPCHURIE
3. What do you think / feel are the positive impacts associated with the proposed project?
  - a) At least we will have quite a large house
  - b) Thank you for a large great deal
  - c) .....
  - d) .....
  - e) .....
4. What do you think / feel are the negative impacts associated with the proposed project?
  - a) .....
  - b) .....
  - c) .....
  - d) .....
  - e) .....
5. What measures do you propose to mitigate the above mentioned negative impacts?
  - a) .....
  - b) .....
  - c) .....
  - d) .....
  - e) .....
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons.....
8. What is your occupation? Business
9. Any other comments. ....

Name: Elizabeth Wanjari ID No: 23087868  
Phone No: 0713961096 Signature: [Signature]  
Thank you for your participation





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1. How long have you been working / living here? 16 How long has your facility been operating here? 16

2. How far from the proposed project site do you live? 2 km

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) To change the Environment
- b) To have more houses in the place (not far off)
- c) The people living in the near projects
- d) to be the first to benefit
- e)

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) The beneficiaries of the project will not come from the area
- b)
- c)
- d) tribulation in the project in housing giving
- e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) The people living in the houses to be the first to be considered in the process
- b) The Government to look for proper measures in giving housing to the people
- c)
- d)
- e)

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons. No reason. The project to consider the people living in the housing corporation houses

8. What is your occupation? Employer

9. Any other comments. The project to be consider common man living in the houses and right to be done on the process of giving the houses to be done

Name: ALICE CHEPKORIR KIPPOT ID No: 9958317

Phone No: 0728467067 Signature: AKP  
Thank you for your participation

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1. How long have you been working / living here? 30 yrs How long has your facility been operating here? 20 yrs
2. How far from the proposed project site do you live? 100 metres
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) It's great job opportunity to the youth and community near.
  - b) The community will benefit as the work.
  - c) The project will help many people in the area.
  - d) The people living in the new project to be the first to benefit in the project.
4. What do you think / feel are the negative impacts associated with the proposed project?
- a) The permanency of the project will not come from the area.
  - b) There will be discrimination of people on the project.
  - c) Stratification in the project also housing giving.
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a) The people living in the area to be the first to be considered in the EIA process.
  - b) The Government to look for proper measures in giving housing to the real people.
  - c) The project to be supervised by National Government.
6. Do you have any objections to the proposed project? Yes ☒ No ☐
7. If yes in question 6 above kindly give your reasons. The project to consider the local area people living the housing corporation houses and houses.
8. What is your occupation? Housewife
9. Any other comments. Please all project to consider common man living in this houses and right voting to be done on the process of giving this houses.
- Name: Fajal Khamdi ID No: 2322506  
Phone No: 0723-678786 Signature: [Signature]  
Thank you for your participation



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1. How long have you been working / living here? by 11 How long has your facility been operating here? .....

2. How far from the proposed project site do you live? .....

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) creates job opportunities  
b) .....  
c) .....  
d) .....  
e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....  
b) .....  
c) N/A  
d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....  
b) .....  
c) .....  
d) .....  
e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? business

9. Any other comments .....

Name: CATHERINE MBULUA ID No: 9370935

Phone No: 0730448705 Signature: [Signature]  
Thank you for your participation

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1. How long have you been working / living here? 25 YEARS How long has your facility been operating here? .....

2. How far from the proposed project site do you live? ABOUT 200 METERS

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) INCREASE OF MORE AFFORDABLE HOUSES
- b) NEW HOUSES THAT ARE MODERN ONES
- c) MOVE PEOPLE WILL GET HOUSES TO RENT
- d) CREATE EMPLOYMENT TO THE YOUTH AND OTHER PEOPLE
- e) PROMOTE BUSINESS WITHIN THE AREA. ESPECIALLY WHEN CONSTRUCTION IS ONGOING

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) INFLUXION OF MORE PEOPLE WHICH MIGHT BRING THINGS
- b) SOME PEOPLE MAY BE DISPLACED DURING CONSTRUCTION PHASES
- c) INCREASE OF RENT
- d) THOSE PEOPLE WITH LOW INCOME MIGHT NOT AFFORD TO PAY THE RENT

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) WALLS TO BE BUILT FOR A GOOD FENCE TO AVOID THEM
- b) BUILDING OF HOUSES WITHIN THE AFFORDABLE TO RENTING
- c) PROPER ENVIRONMENT TO AVOID DISPLACEMENT DURING THE PROCESS
- d) ERECTING THE WALL IN THE PREMISES TO ENHANCE SECURITY
- e) ERECTING THE WALL IN THE PREMISES TO ENHANCE SECURITY

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

8. What is your occupation? BUSINESSMAN

9. Any other comments. I AM REQUESTING THE NATIONAL HOUSING CORPORATION TO FORCE THE PREMISES BY EXISTING A WALL FOR PEOPLE TO BE ABLE TO EVEN PARK THEIR CARS WITHIN THEIR HOUSES.

Name: MATHIAS K TORORE ID No: 23430804

Phone No: 0722620263 Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? 1998 How long has your facility been operating here? N/A

2. How far from the proposed project site do you live? 200 Mtrs

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Security will be enhanced
- b) .....
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) N/A
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) N/A
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? .....

9. Any other comments.....

Name: PHILLIPS A. OIEND ID No: 12636672

Phone No: 0722984354 Signature: [Signature]

Thank you for your participation

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1. How long have you been working / living here? 19 yrs. How long has your facility been operating here? .....

2. How far from the proposed project site do you live? .....

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....
- b) N/A
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) .....
- c) N/A
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? B/MAN

9. Any other comments. N/A

Name: ROBERT DEHUNGO ID No: 9956837  
Phone No: 0722 889186 Signature: [Signature]  
Thank you for your participation



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1. How long have you been working / living here? 23 yrs How long has your facility been operating here? 50 meters
2. How far from the proposed project site do you live? 50 meters
3. What do you think / feel are the positive impacts associated with the proposed project?
  - a)  bigger houses
  - b)  better housing
  - c)  good security
  - d)  low maintenance
  - e)  modern society
4. What do you think / feel are the negative impacts associated with the proposed project?
  - a)  Noise should be checked
  - b)  Security should be enhanced
  - c)  falling objects from chimneys etc.
  - d)
  - e)
5. What measures do you propose to mitigate the above mentioned negative impacts?
  - a)  Monitor chimneys to cut noise
  - b)  Monitor other site take effort to
  - c)  Good Security Company not local
  - d)
  - e)
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons. N/A
8. What is your occupation? ACCOUNTANT
9. Any other comments. You should consider giving first priority to low rise tenants for the new houses.

Name: CHARLES O. ONYANGO

ID No: 11119556

Phone No: 0723676087

Signature: [Signature]

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 9724256403



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1. How long have you been working / living here? 4 yrs How long has your facility been operating here? .....
  2. How far from the proposed project site do you live? 200 metres
  3. What do you think / feel are the positive impacts associated with the proposed project?
    - a) create jobs
    - b) .....
    - c) .....
    - d) .....
    - e) .....
  4. What do you think / feel are the negative impacts associated with the proposed project?
    - a) Sound machine
    - b) .....
    - c) .....
    - d) .....
  5. What measures do you propose to mitigate the above mentioned negative impacts?
    - a) .....
    - b) .....
    - c) .....
    - d) .....
    - e) .....
  6. Do you have any objections to the proposed project? Yes ☐ No ☒
  7. If yes in question 6 above kindly give your reasons.....
  8. What is your occupation? Causal
  9. Any other comments. Good thought given NHC
- Name: WILLIAM OCHIENG ID No: 37 006678  
Phone No: 0719302920 Signature: [Signature]  
Thank you for your participation

1

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1. How long have you been working / living here? 2 yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 150 mtrs

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Will create employment to the youths
- b) .....
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) Horse Pollution Noise Pollution
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? Rift Valley Cattle

9. Any other comments.....

Name: Emmanuel Kibet Mugo ID No: 24821920  
Phone No: 0711665072 Signature: [Signature]  
Thank you for your participation

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1. How long have you been working / living here? 2015 How long has your facility been operating here? 100 mtrc

2. How far from the proposed project site do you live? 100 mtrc

3. What do you think / feel are the positive impacts associated with the proposed project?

a) I could create employment for youths  
b) I can go with this project  
c) I can go with this project  
d) I can go with this project  
e) I can go with this project

4. What do you think / feel are the negative impacts associated with the proposed project?

a) I can go with this project  
b) I can go with this project  
c) I can go with this project  
d) I can go with this project  
e) I can go with this project

5. What measures do you propose to mitigate the above mentioned negative impacts?

a) I can go with this project  
b) I can go with this project  
c) I can go with this project  
d) I can go with this project  
e) I can go with this project

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons. NA

8. What is your occupation? Casual

9. Any other comments. Good project to be initiated by National Housing Corporation should be attracted

Name: John Otiende ID No: 21280066

Phone No: 0721956775 Signature: [Signature]

Thank you for your participation



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Dear Sir/ Madam,

RE: Stakeholders Environmental Impact Assessment (EIA) Interview Questionnaire.

National Housing Corporation NHC is carrying out an Environmental Impacts Assessment for PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY. This is in accordance with NEMAs' Environmental (Impact Assessment and Audit) regulations, 2003 under the Environmental Management and Coordination Act (EMCA - 1999) You have been positively identified as a neighbor / Stakeholder to the proposed project and you are kindly requested to respond to the questions below as objectively as possible. Your views shall be used for professional judgment of the project impacts on the environment.

1. How long have you been working / living here? 14 years How long has your facility been operating here? .....

2. How far from the proposed project site do you live? SEVENTY METRES AWAY

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Improved sanitation
- b) Lot of space is saved
- c) There will be order as buildings are in order
- d) Close supervision hence better services
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) Overpopulation
- b) Insufficiency of services like the water services
- c) Increased crime rate
- d) Poor sanitation might be experienced
- e) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) Regulation of the settlement
- b) Improved services like increased water supply
- c) Proper alignment during construction
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

N/A

8. What is your occupation? Business

9. Any other comments.....

Name: ELIAKIM MARTIN MUKOYA ID No: 21612172

Phone No: 0725 344447 Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? 5 yrs How long has your facility been operating here? N/A

2. How far from the proposed project site do you live? 10 metres

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Employment
- b) Security
- c) Improve living standards
- d) Utilization of unused land
- e)

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) For security
- b) Noise
- c) Environmental pollution
- d)
- e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) To provide enough security
- b) To put up enough security lights
- c)
- d)
- e)

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons. N/A

8. What is your occupation? Unemployed

9. Any other comments. N/A

Name: Mercy Akinyi ID No: 26 020386

Phone No: 0710698106 Signature: Mercy Akinyi

Thank you for your participation

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1. How long have you been working / living here? 33 yrs How long has your facility been operating here? N/A

2. How far from the proposed project site do you live? 10 meters

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Improved living standards
- b) Utilization of unused land
- c)
- d)
- e)

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) Insecurity
- b) Environmental Pollution
- c) Noise Pollution
- d)
- e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) Installation of security lights
- b) Proper disposal of waste
- c)
- d)
- e)

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons. N/A

8. What is your occupation? BUSINESS Lady

9. Any other comments.

Please give the people living the adjacent to the proposed building the first priority

Name: JANE WANJIRU ID No: 10574184

Phone No: 0710945739 Signature: Jane Wanjiru

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403



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1. How long have you been working / living here? 10 yrs How long has your facility been operating here? 10 yrs

2. How far from the proposed project site do you live? .....

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Believe yes security will improve
- b) sanitation will improve
- c) water supply will be sufficient
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) problem of getting another house
- b) before completion if they can build
- c) phases the better
- d) .....
- e) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) Build interiors of phases
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? BUSINESS MAN

9. Any other comments. ....

Name: JOSEPH KIARIE ID No: 30475784

Phone No: 0728104924 Signature: .....

Thank you for your participation

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1. How long have you been working / living here?..... How long has your facility been operating here? 20 years
2. How far from the proposed project site do you live? 20 metres
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) It will improve settlement in the area
- b) security will be boosted for the better part of the area
- c) it will increase the standard of the people living around
- d) .....
- e) .....
4. What do you think / feel are the negative impacts associated with the proposed project?
- a) .....
- b) It will somehow reduce the number of people living in the area
- c) if the structures constructed in the area will be costly it will
- d) cause
- e) .....
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a) .....
- b) The
- c) .....
- d) .....
- e) .....
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons.....
8. What is your occupation? Business person
9. Any other comments.....
- Name: DOUGLAS DRELLU ID No: 33172187
- Phone No: 0791678935 Signature: [Signature]
- Thank you for your participation



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1. How long have you been working / living here? 15 yrs How long has your facility been operating here? 15 yrs

2. How far from the proposed project site do you live? 2 miles away

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) It's a good agenda
- b) It should be affordable
- c) It should be comfortable
- d) Access to the roads
- e) Secured with barbed wire

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? Kenyan

9. Any other comments I like the proposed project and I wish it had started already

Name: MORTICA J. MURRAY ID No: 23557493

Phone No: 0725917037 Signature: MURRAY

Thank you for your participation

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1. How long have you been working / living here? 15 yrs How long has your facility been operating here? N/A

2. How far from the proposed project site do you live?

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) The boys are non employment and they will get employed since the project is on.  
b)   
c)   
d)   
e) The boys and the ladies

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) It is just non employment for the boys  
b) and ladies this trading for every thing  
c)   
d)   
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5. What measures do you propose to mitigate the above mentioned negative impacts?

- a)   
b) Non employment that's all.  
c)   
d) The community is very proud of this  
e) project

6. Do you have any objections to the proposed project?

Yes

☐

No

☒

7. If yes in question 6 above kindly give your reasons.

N/A

8. What is your occupation? Business

9. Any other comments. Need some job because you

are Manager will make it right

Name: Kevin Abilo

ID No: 23555103

Phone No: 0170432570

Signature: K. Abilo

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403



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1. How long have you been working / living here? 30yrs How long has your facility been operating here? 20yrs

2. How far from the proposed project site do you live? 50 metres

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) The project will help the community
- b) The project will create job opportunities to young people
- c) The project will help many young people and
- d) The project will help many young people and
- e) The project will help many young people and

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) The project will affect the family near the
- b) The project will affect the family near the site due
- c) The project will affect the family near the site due
- d) The project will affect the family near the site due

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) The people living near the project to be
- b) Consider first in any job and agende
- c) People living in the project to be given priority
- d) accountability and transparent in the project
- e) accountability and transparent in the project

6. Do you have any objections to the proposed project? Yes ☒ No ☐

7. If yes in question 6 above kindly give your reasons. The project must consider near by family first in any occasion

8. What is your occupation? Business woman

9. Any other comments. I request the project to consider the all families living there first any any decision and opportunity.

Name: Grace Wairimu ID No: 26231895

Phone No: 0707641647 Signature: [Signature]

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403

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National Housing Corporation  
P. O. Box 30257-00100 NAIROBI  
Tel: +254 312147/312149  
Fax : +254 (020) 311318  
E-mail: info@nhckenya.co.ke

Dear Sir/ Madam,

RE: Stakeholders Environmental Impact Assessment (EIA) Interview Questionnaire.

National Housing Corporation NHC is carrying out an Environmental Impacts Assessment for PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY. This is in accordance with NEMAs' Environmental (Impact Assessment and Audit) regulations, 2003 under the Environmental Management and Coordination Act (EMCA - 1999) You have been positively identified as a neighbor / Stakeholder to the proposed project and you are kindly requested to respond to the questions below as objectively as possible. Your views shall be used for professional judgment of the project impacts on the environment.

1. How long have you been working / living here? 30yrs How long has your facility been operating here? ---

2. How far from the proposed project site do you live? 20 m

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) we will have new houses
- b) bigger house
- c) ---
- d) ---
- e) ---

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) ---
- b) ---
- c) ---
- d) ---

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) ---
- b) ---
- c) ---
- d) ---
- e) ---

6. Do you have any objections to the proposed project? Yes ☒ No ☐

7. If yes in question 6 above kindly give your reasons.....  
---

8. What is your occupation? ---

9. Any other comments: We request if there is a job opportunities associated with the construction of the above project, we be employed. Thank you.

Name: EUREBENG MALIKA ID No: 25712731

Phone No: 0710925247 Signature: [Signature]  
Thank you for your participation



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1. How long have you been working / living here? 10yrs How long has your facility been operating here? N/A

2. How far from the proposed project site do you live? 200m

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Improved standard of living
- b) Improved security
- c)
- d)
- e)

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) Competition for houses at squeezed
- b) Increased cost causing tenants unable to pay
- c) Introducing new tenants before conducting old ones
- d)
- e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) Build affordable houses to be pocket friendly
- b) The houses to be pocket friendly
- c) Consider old tenants first
- d) Renting to avoid disputes due to falling rents
- e)

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

N/A

8. What is your occupation? self employed

9. Any other comments.

N/A

Name: JACKLINE KEROGO ID No: 22179305

Phone No: 0729 016 182 Signature: [Signature]

Thank you for your participation

1

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1. How long have you been working / living here 20 yrs. How long has your facility been operating here? .....
  2. How far from the proposed project site do you live? 5 metres .....
  3. What do you think / feel are the positive impacts associated with the proposed project?
    - a) SECURITY
    - b) HYGIENE
    - c) well self contained houses
    - d) .....
    - e) .....
  4. What do you think / feel are the negative impacts associated with the proposed project?
    - a) .....
    - b) N/A
    - c) .....
    - d) .....
  5. What measures do you propose to mitigate the above mentioned negative impacts?
    - a) .....
    - b) N/A
    - c) .....
    - d) .....
    - e) .....
  6. Do you have any objections to the proposed project? Yes ☐ No ☒
  7. If yes in question 6 above kindly give your reasons.....  
N/A
  8. What is your occupation? Business man
  9. Any other comments.....  
N/A
- Name: BENARD M KIRIE ID No: 32069183  
Phone No: 0707958660 Signature: [Signature]  
Thank you for your participation

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1. How long have you been working / living here? 10yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 20metres

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) will provide employment
- b) will provide employment to food vendors / catering
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) loss environment
- b) noise
- c) .....
- d) .....
- e) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) hire more people on employee
- b) to clean the environment
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

N/A

8. What is your occupation? Hustler / employee

9. Any other comments. To consider the rent not

to be too high from the hotel

Name: WEKOYE RONALD ID No: 35744547

Phone No: 0718864979 Signature: [Signature]

Thank you for your participation

1

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1. How long have you been working / living here? 5 yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 30 min

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) Better housing facilities for residents
- b) Improved drainage system
- c) Clean environment that positively enhances growth of kids
- d) Privacy will be kind of enhanced
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) Duplication of the already settled dwellers
- b) Increase in house rents (economic deterioration)
- c) Loss of noise
- d) Increase in theft / robberies
- e) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) NHC should ensure that those who purchased houses get settled first
- b) They should offer reasonable rent rates
- c) The NHC should find a way to maintain a available security
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☒ No ☐

7. If yes in question 6 above kindly give your reasons... In as much as building of better houses is a plus there is quite stressing to some of us who bought one of their houses. There has been no clear communication. We have families to protect in a tough economy

8. What is your occupation? Accountant

9. Any other comments.

I would play for clear communication in as much as the state of those who bought houses is concerned. It will be no matter of NHC if tomorrow they wake up and ask us to vacate when we've lived here all our lives with the name of better housing

Name: Rabeca Leah ID No: 33502368

Phone No: 079885442 Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? 28 yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 500m .....

3. What do you think / feel are the positive impacts associated with the proposed project?

a) .....

b) .....

c) .....

d) .....

e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

a) .....

b) .....

c) .....

d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

a) .....

b) .....

c) .....

d) .....

e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? working in a water service provider (Eldwasco. Ltd)

9. Any other comments.....

Name: Kangogo Kenneth ID No: 0401092  
Phone No: 0715931888 Signature: [Signature]  
Thank you for your participation

1

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1. How long have you been working / living here? 20 YRS How long has your facility been operating here? 20 YRS
2. How far from the proposed project site do you live? 1 KM
3. What do you think / feel are the positive impacts associated with the proposed project?
  - a) AVAILABILITY OF SECURITY
  - b) INNOVATIVE ENVIRONMENT
  - c)
  - d)
  - e)
4. What do you think / feel are the negative impacts associated with the proposed project?
  - a) UNAVAILABILITY OF ~~LAND~~ FINANCE
  - b)
  - c)
  - d)
5. What measures do you propose to mitigate the above mentioned negative impacts?
  - a) MAXIMIZE
  - b) IF POSSIBLE IF U MAY CONSIDER
  - c) IF U MAY ADD JUST WHICH THE TENANTS MAY
  - d) afford. not just because of economic.
  - e)
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons.
8. What is your occupation? DRIVER
9. Any other comments.

Name: LUKA MIND M'MATA ID No: 24386798  
Phone No: 0716999705 Signature: [Signature]  
Thank you for your participation

1

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- 58
1. How long have you been working / living here? 10yrs How long has your facility been operating here? .....
  2. How far from the proposed project site do you live? 50 mtr meters
  3. What do you think / feel are the positive impacts associated with the proposed project?
    - a) the houses will accommodate more people hence
    - b) giving shelter to more
    - c) Better living conditions
    - d) .....
    - e) .....
  4. What do you think / feel are the negative impacts associated with the proposed project?
    - a) .....
    - b) .....
    - c) .....
    - d) .....
  5. What measures do you propose to mitigate the above mentioned negative impacts?
    - a) .....
    - b) .....
    - c) .....
    - d) .....
    - e) .....
  6. Do you have any objections to the proposed project? Yes ☐ No ☒
  7. If yes in question 6 above kindly give your reasons.....
  8. What is your occupation? Waitress
  9. Any other comments.....
- Name: JANE MWARA ID No: 23634546  
Phone No: 0722112926 Signature: [Signature]  
Thank you for your participation

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National Housing Corporation NHC is carrying out Environmental Impacts Assessment for PROPOSED RESIDENTIAL UNITS AT KAPSUSIVA BLK 114/2 (F/ No 8935 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY. This is in accordance with NEMA's Environmental (Impact Assessment and Audit) regulations, 2003 under the Environmental Management and Coordination Act (EMCA - 1999) You have been positively identified as a neighbor / Stakeholder to the proposed project and you are kindly requested to respond to the questions below as objectively as possible. Your views shall be used for professional judgment of the project impacts on the environment

- Name: KEENEY MAINE ID No: 12875268  
Phone No: 727405268 Signature: KE  
Thank you for your participation

1

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1. How long have you been working / living here? 20yrs How long has your facility been operating here? 20yrs

2. How far from the proposed project site do you live? 50 metres

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons. N/A

8. What is your occupation? Business Lady

9. Any other comments.

Name: ROSE J. RONDO ID No: 7137768

Phone No: 0726411396 Signature: [Signature]

Thank you for your participation

1

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1. How long have you been working / living here? 29 yrs How long has your facility been operating here? 29 yrs

2. How far from the proposed project site do you live? 51 meters

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....
- b) .....
- c) .....
- d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....
- b) .....
- c) .....
- d) .....
- e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? BUSINESS LADY

9. Any other comments. ....

Name: MARGARET A. OCHIENG ID No: 29490449

Phone No: 0721519304 Signature: [Signature]

Thank you for your participation

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1. How long have you been working / living here? 30 years How long has your facility been operating here? 30 years

2. How far from the proposed project site do you live? 20 Meters

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) I think the project is the best I upgrade
- b) our standards of living and bring a
- c) beautiful scenery.
- d)
- e)

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) in the time of operation it may bring
- b) difficulties to us in place to live before
- c) completion.
- d)
- e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) To look for places for us to live in
- b) the meantime
- c)
- d)
- e)

6. Do you have any objections to the proposed project?

Yes ☐

No ☒

7. If yes in question 6 above kindly give your reasons.

8. What is your occupation? sales lady

9. Any other comments. None

Name: VIVIAN KOKIX ID No: 35536230

Phone No: \_\_\_\_\_

Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? 30 How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 50 meters

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) It is a great change  
b) .....  
c) .....  
d) .....  
e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....  
b) .....  
c) .....  
d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) .....  
b) .....  
c) .....  
d) .....  
e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? Driver

9. Any other comments.....

Name: JOHN N. WANGAI ID No: 10080186

Phone No: 0712814046 Signature: [Signature]

Thank you for your participation



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1. How long have you been working / living here? 18 yrs How long has your facility been operating here? .....

2. How far from the proposed project site do you live? 250 Mtrs

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) The project is good and will improve our  
b) living standard.  
c) .....  
d) .....  
e) .....

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) .....  
b) .....  
c) .....  
d) .....

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) The project will benefit us on our living standard  
b) will improve and our business will also  
c) improve.  
d) .....  
e) .....

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.....

8. What is your occupation? Business Woman

9. Any other comments. No comments - Good project

Name: Esther Anpa ID No: 13206136

Phone No: 0723239401 Signature: [Signature]

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403

NATIONAL  
HOUSING  
CORPORATION



National Housing Corporation  
P. O. Box 30257-00100 NAIROBI  
Tel: +254 312147/312149  
Fax : +254 (020) 311318  
E-mail: info@nhkenya.co.ke

Dear Sir/ Madam,

RE: Stakeholders Environmental Impact Assessment (EIA) Interview Questionnaire.

National Housing Corporation NHC is carrying out and Environmental Impacts Assessment for PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY. This is in accordance with NEMAS' Environmental (Impact Assessment and Audit) regulations, 2003 under the Environmental Management and Coordination Act (EMCA – 1999) You have been positively identified as a neighbor / Stakeholder to the proposed project and you are kindly requested to respond to the questions below as objectively as possible. Your views shall be used for professional judgment of the project impacts on the environment.

1. How long have you been working / living here? 10YRS How long has your facility been operating here? .....
2. How far from the proposed project site do you live? APPROX 200M
3. What do you think / feel are the positive impacts associated with the proposed project?
- a) The project is good
- b) improved housing and living standards
- c) modern housing for Kenyans
- d) .....
- e) .....
4. What do you think / feel are the negative impacts associated with the proposed project?
- a) .....
- b) .....
- c) .....
- d) .....
5. What measures do you propose to mitigate the above mentioned negative impacts?
- a) .....
- b) .....
- c) .....
- d) .....
- e) .....
6. Do you have any objections to the proposed project? Yes ☐ No ☒
7. If yes in question 6 above kindly give your reasons.....
8. What is your occupation? BUSINESS WOMAN
9. Any other comments. SPECIOUS HOUSES

Name: EVERLYNE A. PEDHA ID No: 14678702

Phone No: 0722608831 Signature: E.A.

Thank you for your participation

1

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403



NATIONAL  
HOUSING  
CORPORATION



KAPSUSWA

National Housing Corporation  
P. O. Box 30257-00100 NAIROBI  
Tel: +254 312147/312149  
Fax : +254 (020) 311318  
E-mail: info@nhckenya.co.ke

Dear Sir/ Madam,

RE: Stakeholders Environmental Impact Assessment (EIA) Interview Questionnaire.

National Housing Corporation NHC is carrying out an Environmental Impacts Assessment for PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY. This is in accordance with NEMAs' Environmental (Impact Assessment and Audit) regulations, 2003 under the Environmental Management and Coordination Act (EMCA - 1999) You have been positively identified as a neighbor / Stakeholder to the proposed project and you are kindly requested to respond to the questions below as objectively as possible. Your views shall be used for professional judgment of the project impacts on the environment.

1. How long have you been working / living here? 17 yrs How long has your facility been operating here? N/A

2. How far from the proposed project site do you live? 150 MILES

3. What do you think / feel are the positive impacts associated with the proposed project?

- a) THERE'S IS NO IMPACT  
b) YOU'RE ALWAYS KEEPING US INTOUCH  
c)  
d)  
e)

4. What do you think / feel are the negative impacts associated with the proposed project?

- a) NO NEGATIVE IMPACTS  
b) IS A GOOD IDEA FOR  
c) AND IT IS GOING TO HELP COMON AND  
d) LAW INCOMERS (HUTTLERS).  
e)

5. What measures do you propose to mitigate the above mentioned negative impacts?

- a) JUST DO IT INTO FACES  
b) AND EVERYTHING WILL BE OK  
c)  
d)  
e)

6. Do you have any objections to the proposed project? Yes ☐ No ☒

7. If yes in question 6 above kindly give your reasons.

8. What is your occupation? BUISINESSMAN

9. Any other comments. DEAR SIR/MADAM I WISH YOU GO  
AHEAD WITH PROJECT AND I WISH ALL THE  
BEST MAY GOD HELP YOU.

Name: JAMES O. ONDITI ID No: 8190244

Phone No: 0723-848-941 Signature: [Signature]

Thank you for your participation

KAMANDA NO. 140

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403

NEIGHBOUR

**Appendices IV: Copies of Document of Evidence of Consultation and  
Public Participation – Lead Agencies Feedback Forms.**






①


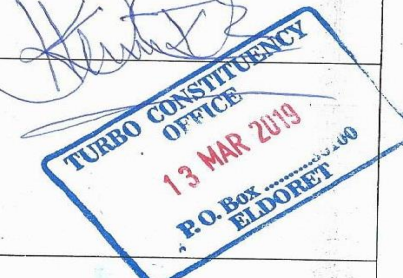
**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
AG MINISTRY OF INTERIOR	GLADYS - C. BITOK. AG. CHIEF KILIMANI	- Planning office from Nanshi visited my office informing us about the project to start soon at my area of jurisdiction. Kapsuswa village. I really appreciate your visit.	Ag. CHIEF KILIMANI LOCAL GOVT. Date: 11/3/19 Sign: [Signature]
		- To plan for public participation on Thursday 14/03/19.	


For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.


②

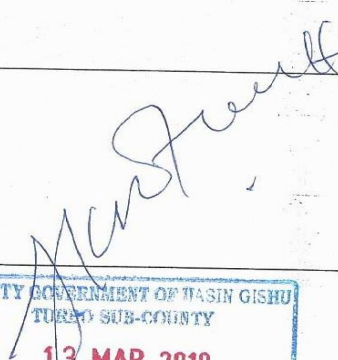
**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
<p>TURBO CONSTITUENCY. OFFICE 3811-3000 ELDORET</p>	<p>CONSTITUENCY MEMBER TURBO - Kennedy Koech 0726 966091</p>	<p>Looking forward for his mega projects that will uplift living standard of our people More expectations</p>	<p> </p>
<p><i>[Large handwritten signature]</i></p>	<p><i>[Large handwritten signature]</i></p>	<p><i>[Large handwritten signature]</i></p>	<p><i>[Large handwritten signature]</i></p>

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.


③

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
Kiplombe Ward Office.	ROTICH JAMES Ward Administrator 0722 936848	Officers from NHC Came to the office for courtesy call. - They also brief the area MCA on projects they want to undertake at Kapsuswa Estate. - we also raised a concern on the placement of the current tenants. - <del>cost</del> cost to be considered	 <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> COUNTY GOVERNMENT OF UASIN GISHU  TURBO SUB-COUNTY  <b>13 MAR 2019</b>  Sign.....  KIPLOMBE WARD </div>

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.





4

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
UASIN GISHU COUNTY GOVERNMENT	JOSEPH CHEGURET DIRECTOR ENVIRONMENT.	1. Provide two refuse clusters. 2. Provide two refuse chambers 3. Ensure adequate open space is provided.	 13/3/09.

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.





4

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
UASIN GISHU COUNTY GOVERNMENT	JOSEPH CHEGURET DIRECTOR ENVIRONMENT.	1. Provide two refuse clusters. 2. Provide two refuse clusters 3. Ensure adequate open space is provided.	 13/3/09. 

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.



5

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
<del>Eldoret Water and Sanitation</del> Eldoret Water and Sanitation Company Ltd. P.O. Box 8418 ELDORET - info@eldowas.org	Jimmy Lembo Head of Technical Services	Assessment of the existing water and sewer lines needed to inform necessary upgrade to meet expected demand/usage.	 ELDORET WATER & SANITATION CO. LTD. (ELDOWAS) 13 MAR 2019 P. O. Box 8418 ELDORET-30100 Email: info@eldowas.org

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.



⑥

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
WATER RESOURCES AUTHORITY, WRA KUY SUB REGION BOX 3040-30100, TEL: 053-203 203 2, ELD	WILLY K. BII WA & PCO	<u>KAPSUSWA UNITS</u> ① The proposed project site is considered ideal. ② The population in the proposed units will be high, generating high amounts of sewage which need to be treated. The project proponent is therefore advised to develop Effluent Discharge Control Plan (EDCP) and Submit to WRA for assessment and approval. WRA, therefore has no objection as long as all provisions under WRM Rules, 2007 and WA, 2016 are strictly adhered to.	<i>C. P. S. M.</i> SUB-REGIONAL MANAGER ELDORET SUB-REGIONAL OFFICE P. O. Box 3040, ELDORET-30100 Tel: 053-2032032 14/3/2019

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.





7

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
NATIONAL CONSTRUCTION AUTHORITY - NORTH RIFT REGIONAL OFFICE ELDORET email: northrift@nca.go.ke office line: 0790-303186 0722-789425	ROSE K. WAWERU - REGIONAL COORDINATOR NORTH RIFT	The project comprises a multi-storey residential development for rent. The officer has explained and given information on the project. The following will be required by the NCA prior to commencement: 1) Contractor's NCA licence 2) Filled Government Works Consultants Declaration Form or licences of professionals. 3) Approved BO summary Page 4) Developer's KRAPIN 5) Copy of agreement 6) NEMA licence 7) Approved drawings.	 <b>NATIONAL CONSTRUCTION AUTHORITY</b> P. O. Box 503-30100, ELDORET

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.





8

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
Occupational Safety & Health Office - Eldoret P.O Box 110-36100 ELDORET	ROTUNO CYPRIANO	The officer incharge Mr. Mwongera Munung'i and explained to me about the project to be undertaken which I think is viable. It important to note that the concern contractors Aside by all Occupational Safety and Health provisions of the law. The contractor should before commencement of the job :- 1. Register it as a construction site 2. Provide Architectural plans for Approval 3. Nominate a Safety Supervisor and Submit his or her name to this office.	Cypriano 15/03/2019

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.



9

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
RENT RESTRICTION TRIBUNAL 0722639473	HAKA RORO OFFICER-IN CHARGE	→ Support the project to help the low income earners have adequate and well facilitated house. → Best project to ease congestion due to growing population.	 OFFICER-IN-CHARGE RENT RESTRICTION TRIBUNAL 15/2/2019

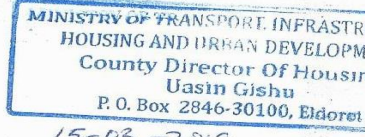
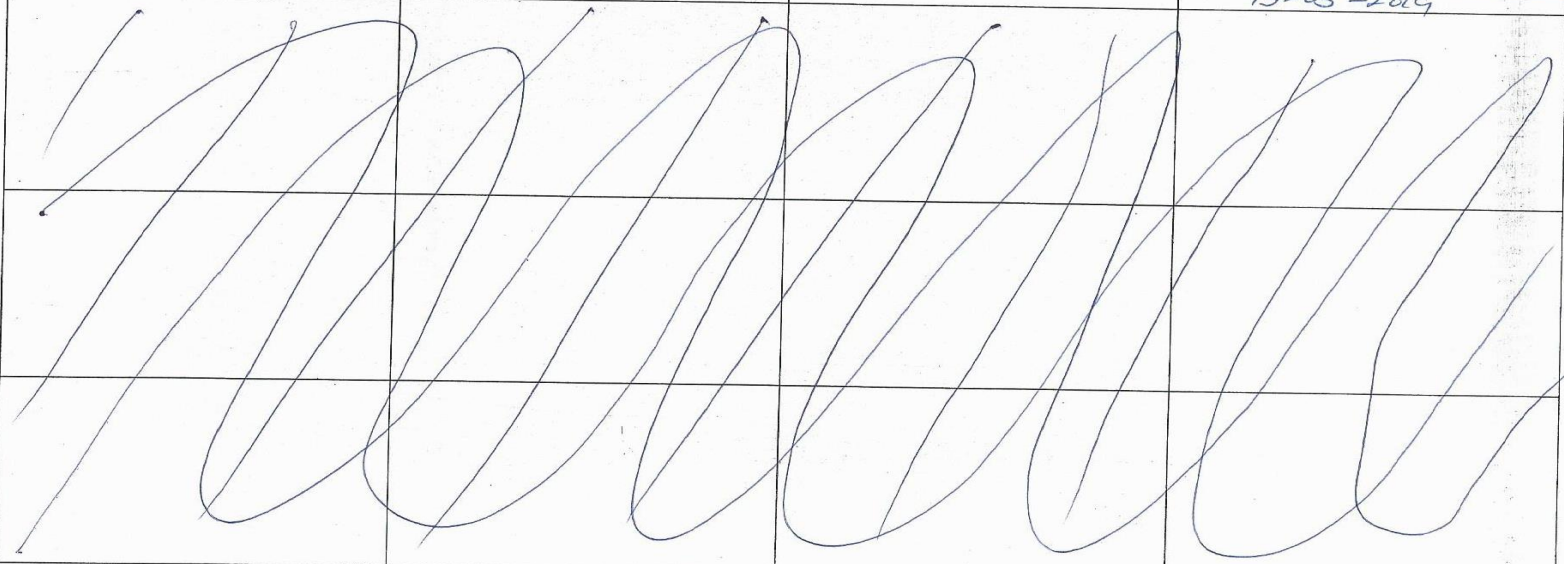
For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.





10

**LEAD AGENCIES CONSULTATION FORM FOR THE FOR PROPOSED RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

ORGANIZATION & CONTACT INFO.	NAME & DESIGNATION OF THE OFFICER.	COMMENTS.	SIGNATURE/STAMP/DATE.
STATE DEPARTMENT OF HOUSING & URBAN DEVELOPMENT - UASIN GISHU COUNTY P.O. BOX 2846-30100, ELDORET	D. M. NYAIKO COUNTY DIRECTOR OF HOUSING	THE PROJECT IS TIMELY FOR GOVERNMENT AGENDA OF AFFORDABLE HOUSING	 15-03-2019
			

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.

**Appendix V: Copies of Document of Evidence of Consultation and  
Public Participation –Minutes of CPP Meetings and Attendance List.**



**MINUTES OF THE CONSULTATION AND PUBLIC PARTICIPATION MEETING WITH THE TENANTS FOR THE PROPOSED NHC RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42(F/R No. 89/35) ELDORET MUNICIPALITY, UASIN GISHU COUNTY ON 14<sup>TH</sup> MARCH 2019 AT THE NHC KIDIWA SHOPPING CENTER.**

---

**MEMBERS PRESENT.**

As per the attached list.

**IN ATTENDANCE**

1. Mr. George Nyakundi – Office of the Attorney General
2. M/s Patricia Mabil – Office of the Attorney General

**ABSENT WITH APOLOGIES.**

1. Hon Mr. Caleb Kositany – MP Soy Constituency
2. Hon M/S Janet Sitienei – MP Turbo Constituency
3. Hon Mr. Gilbert Kibet – MCA Kuinet/Kapsuswa Ward

**AGENDA.**

1. Opening of the meeting,
2. General announcements by the chief
3. Address by various leaders
4. Presentation of the project
5. Answer question session
6. AOBs
7. Closing of the meeting

**MIN 1/14/3/2019: OPENING OF THE MEETING.**

The meeting was started by the Assistant Chief Mr. Sitienei Kemei at 11.04 AM followed by a word of prayer from Mr. Amira who is a mzee wa nyumba kumi. The assistant chief invited and introduced the Senior Chief Kibulgeny Location Mr. David K Simatei to address and coordinate the meeting. The Senior Chief, Kibulgeny welcomed and thanked the residents for making time to attend the public Baraza despite their busy schedules. He emphasized that such Baraza act as a

good channel to communicate government policies and information as well as public engagement with the government. He there after introduced various guests who included among others National Housing Corporation (NHC) representatives, Constituency Manager / Personal Assistant to MP Turbo, Constituency Manager / Personal Assistant to MP Soy, Member of County Assembly Kiplombe ward and representatives from Office of the Attorney General.

**MIN 2/14/3/2019: GENERAL ANNOUNCEMENTS BY THE CHIEF.**

The Senior Chief Kibulgeny Location made various announcements during the public baraza which included;

1. Security
2. Gambling -Lotto
3. Illicit brew/liquor
4. Support to government projects
5. Food security
6. Health care
7. Education
8. Child labour
9. Huduma number registration and issuance
10. National census

**MIN 3/14/3/2019: ADDRESS BY VARIOUS LEADERS.**

The senior chief introduced and invited the following leaders to make their comments;

**1. Hon Ramadhan Ali – MCA Kiplombe Ward**

The MCA thanked the attendants for creating time to attend the public baraza despite their busy schedules. He informed the attendants that he had been briefed by NHC representatives about the project within the ward. He was happy that NHC had taken steps to carry out consultation and public participation process early enough. He noted this is a shift from the previous approach by some government agencies to force development projects to the public before prior and adequate consultation. He welcomed the NHC proposed project within the constituency and further added that based on the information provided, Kiplombe Ward leadership supports the proposed project implementation. He said that after completion of the proposed project the living standards of the

residents will be improved. He insisted that the local youths from the area be given first priority for employment as unskilled labour when the project will commence. He urged the attendants to support the proposed project by NHC since it was good for development and advancement of Kiplombe Ward as it is in line with government big four agenda specifically housing. He proposed that the rent should remain the same.

He advised that the current tenants should not be displaced but rather that NHC should ensure the proposed project is constructed on the available open space within the estate as planned so as the tenants are moved into the new units to give way for the subsequent phases of the redevelopment. He also thanked the Senior Chief Kibulgeny Location for ensuring the residents have been enjoying peace and good relations in the location. He urged them to actively participate in the baraza by asking questions and giving their opinions openly. He urged NHC to ensure that the opinions and the feedbacks raised by all the stakeholders are taken into consideration to ensure that the project is acceptable and successful. He concluded by telling the residents that Kiplombe Ward office is open to serve them.

**2. Mr. Kennedy K. Koech – Constituency Manager Turbo Constituency**

He passed the greetings and gave apology on behalf of Hon Janet Sitieniei Member of Parliament Turbo Constituency. He informed the attendants that NHC representatives had made a courtesy call to the constituency office and gave a brief on the proposed project. He said that the constituency office is in support of NHC proposed housing development as it is Agenda number four in the big four national government agenda. He said that he had been informed that the proposed housing project will be undertaken on the vacant space within the existing estate so that the current tenants are not displaced. He retaliated that the current tenants should be given priority to move into the new units to give way for subsequent phases of redevelopment. He pointed out to them that the new housing development will improve the living conditions of the tenants and the residents. He emphasized the need to ensure that labour for the proposed project is sourced locally. Finally he encouraged the stakeholders to support the project.



**MIN 4/14/3/2019: PRESENTATION OF THE PROJECT.**

The Assistant Chief Kibulgeny Location Mr. Kemei Sitienei invited NHC officer in charge Eldoret Mr Richard Ng'etich to address the gathering and later invite NHC Planning Officer - Environment Mr. Mwongera Murungi to make presentation on the proposed NHC housing project. The NHC officer in charge - Eldoret informed attendants that NHC was in the process of planning to undertake three (3) housing projects within Eldoret Town which among them include the redevelopment of NHC Kapsuswa Rental Housing Scheme. He clarified that the drilling which was on going during that time at the proposed project site was purely for the purpose Geo-technical Survey to inform the design specifications of the proposed project. He then invited NHC Planning Officer - Environment to make presentation of the proposed housing project.

NHC Planning Officer –Environment welcomed the attendants and thanked them for creating time from their schedule to attend the meeting. He explained to the attendants that the broad objective of the meeting was for consultation and public participation process as part of Environmental Impact Assessment (EIA) process for the proposed redevelopment of Kapsuswa Rental Housing Scheme. He informed the attendants that the records of the consultation and public participation process will form part of EIA project report which he is in the process of compiling. Thereafter he told them that the EIA project report will be submitted to NEMA for review and subsequent issuance of EIA license.

He explained that the scope of work for the proposed housing entailed construction of ground plus 13 floors of one-bedroom self-contained units. The total units will be 182 comprising of 180 one-bedroom units and two studios/commercial units. Other features will include precast concrete parking and walkways, a self-contained gate house, chain link perimeter fence. He told the attendants that the proposed housing project will specifically be for rental scheme. He added that the proposed project required to be subjected to the Environmental Impact Assessment (EIA) in line with the requirement of the Environmental Management and Coordination Act, 1999, that was being undertaking. He informed them that consultation and public participation process forms part of the EIA process.



He also added that during the proposed project construction phase unskilled labour will be sourced locally with priority being given to the residents especially the local youth. Whereas the skilled labour will only be sourced from outside only if there is no local capacity. He revealed to them that NHC will employ the use of Expanded Polystyrenes panels to construct the houses, he told them that the use of EPS technology in the construction of the proposed project will potentially cut the project cost by 50% and project implementation time by 30%. He added that the method was environmental friendly because the panels are fire redundant, insulative, is not prone to cracks and noise proof. He added that EPS panel houses are long lasting. He also informed the attendants that NHC has a manufacturing factory in Mlolongo, Athi River, Machakos County where they will source the panels from. He further informed them that EPS technology has been in use for some time now by NHC and other users in their housing projects.

**MIN 5/14/3/2019: PLENARY (QUESTION AND ANSWER) SESSION.**

NHC Planning Officer – Environment Mr. Mwongera Murungi invited questions, suggestions, and criticism. The following was noted from the session,

**Question 1:** Mr. Philip Karemi raised a concern of the guarantee the current NHC tenants have to from to ensure that they will be the ones given first priority to occupy the new house units after the proposed project will be complete.

**Answer 1:** Mr. Richard Ngetich the NHC Officer in Charge Eldoret responded that the current tenants will be given first priority to occupy the new house units according to data base NHC has on them. He added that the details and information taken from the tenants will be the one used.

**Question 2:** Mr. William inquired about the previous tenant verification and authentication exercise undertaken by NHC for the rental housing scheme.

**Answer 2:** NHC Officer in Charge Eldoret responded that the exercise was done to weed out the incidences of sub-tenancy which is contrary to the provisions of NHC tenancy regulation and policy. He further said that the information obtained will also be used to relocate the current tenants to the new units subject to the provision of NHC house allocation procedures.

**Question 3:** Mr. Muni Patrick said that the tenants should be given a written assurance of first priority to relocate to the new housing units.

**Answer 3:** NHC Officer in Charge Eldoret assured them that the current residents will have first priority to move to the new housing as per the data of tenants in NHC custody.

**Question 4:** M/S Elizabeth raised the concern about the commercial units and the criteria that will be used to rent out the commercial units.

**Answer 4:** NHC Officer in Charge Eldoret responded that the proposed new housing blocks will consist of commercial space/units and the tenants in the current commercial units will be given first priority in the allocation of commercial space in the new blocks.

**Question 5:** Mr. Munene asked will the residents especially the youth be considered for employed during construction of the proposed project

**Answer 5:** The NHC Planning Officer - Environment Mr. Mwongera Murungi responded that unskilled labour will be sourced locally especially from the youth while skilled labour will be sourced from outside only if there will be no local capacity available.

**Question 6:** Mr. Francis Kobu asked if Kilimani House units are part of the proposed project.

**Answer 6:** NHC Planning Officer - Environment responded that Kilimani house units belong to the Uasin Gishu County Government and are not part of the NHC projects.

**Question 7:** Mrs. Christine Laboso asked if there will be new registration so as to relocate to the new house units and also raised the concern of shortage of water supply in the current house units and if the problem will also be experienced in the new house units.

**Answer 7:** NHC Planning Officer - Environment responded that there will be no new registration of tenants so as to relocate to the new house units and about the water supply shortage NHC will consider drilling of boreholes to supplement water supply from the county government. He told them that NHC has drilled boreholes in some of its housing projects elsewhere and some have been done in partnership with the county government and others through the CDFs. He further said that the proposed development will incorporate adequate



water storage features including technical mechanisms to ensure that all units will receive adequate water supply.

**Question 8:** Mrs. Christine Laboso asked if NHC has come out with the amount of rent that will be paid to the new house units.

**Answer 8:** NHC Officer-in-charge Eldoret responded that they have not yet decided on the rent that should be paid. It's still too early to come up with the specific amount but said that he probably expects that the new monthly rents will be slightly higher than the current rates. This is because these are new units with more modern features. He assured the tenants that there should not be any cause of alarm in regard to rent rates since NHC is a government agency whose mandate is to provide affordable housing to the public.

**Question 9:** Christopher Lewis suggested that NHC should consider selling the housing units through a tenant purchase program.

**Answer 9:** NHC Planning Officer – Environment responded that that this specific proposed project was planned to be a rental housing scheme and not for sale. He further added that should the situation change and housing units in the estates are put up for sale tenants will be given first priority to buy the units.

**Question 10:** Mr. Simon Rotich asked if general public could purchase EPS construction panels from NHC EPS Factory for their own private housing development.

**Answer 10:** NHC Planning Officer – Environment informed them that the panels are available for purchase by the general public from the NHC EPS factory. He however advised that the potential buyers to submit architectural drawings to NHC for estimation of the amount of EPS panels required to be purchased and their cost.

**Question 11:** Mr. Peter Gitau asked how long will the proposed project take

**Answer 11:** NHC Planning Officer – Environment responded that based on the previous experience with other NHC projects of near similar magnitude to the proposed project it will probably take between 18 to 24 months.

**MIN 6/14/3/2019: AOBs**

The Senior Chief Kibulgeny Location made further announcements which included

1. Registration of births.
2. Vetting of applicants for issuance of National IDs.
3. Issued a warning for parents/guardians to ensure that their children attend school.

**MIN 7/14/3/2019: CLOSING OF THE MEETING**

The Senior Chief Kibulgeny Location moved a vote of thanks thereafter Mr. William Rono a closing word of prayer. The Senior Chief closed the meeting at 1.41 PM.

PREPARED BY MWONGERA MURUNGI,  
PLANNING OFFICER – ENVIRONMENT (NHC)

Signature: .....

*(Signature)*



Date: .....

Date: .....

CONFIRMED AS TRUE MINUTES OF THE MEETING BY,  
MR. DAVID K. SIMATEL,  
SENIOR CHIEF KIBULGENY LOCATION.

Signature: .....

*(Signature)*



Date: .....

Date: .....



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ATTENDANCE LIST.

CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY).

DATE: 14/03/2019

VENUE: KIDUWA SHOPPING CENTER

	NAME.	REPRESENTATION.	ID/NO.	PHONE NO.	SIGNATURE.
1	MWONGERA MURUGI	Planning Officer Environment NHC	20023063	0721638035	(Signature)
2	RICHARD NGETICH	NHC ELDORET PIO	10540144	0728469246	(Signature)
3	DANIEL IG KIRONGO	Soy Constituency OFFICER	25533271	0725031009	(Signature)
4	<sup>HOM</sup> MCA RAMANHAN ABI	MCA KIPLOMBE	13698914	0720142701	(Signature)
5	KEMET SINDIGA	INTERIOR OFFICER	22101408	0726100813	(Signature)
6	DAVID K. SIMATEI	INTERIOR SAC CHIEF	8715528	0721380062	(Signature)
7	George Nyakundi	OAG & DOJ	10693080	071169117	(Signature)
8	Patricia C. Mabil	OAG & DOJ	26521943	0701033743	(Signature)
9	KEMET X. KOLET	INTERIOR CONSTITUENT OFFICE	25276011	0726966091	(Signature)

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY).**

DATE: 14.03.2019

VENUE: KIDILWA SHOPPING CENTER

	NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
1	Chalo M. Liliama	L.C	3937597	0725621266	[Signature]
2	Mark Odingo	LC	13221950	0723154882	[Signature]
3	Patrick M. Muryu	L.C	0403635	0722575801	[Signature]
4	John Otieno	Kapsus II	21280066	0721756775	[Signature]
5	ZAFARAH musombi	KILIMANI	22653017	0706836948	[Signature]
6	ROSE ADHIAMBO	KILIMANI		07242928	[Signature]
7	Gladys Atsewa	Kiliman.	22293751	0712014810	Gladys.
8	GILBERT OYUKE	KIDILWA	0846054	0710679598	[Signature]
9	Christopher L. Odingo	LC	11301492	0722904605	[Signature]
10	James Othman	Kapsus	25441404	0711491368	[Signature]

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

DATE: 14/03/2019

VENUE: KIDIWA SHOPPING CENTER

	NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
11	JANE WANGIRU	TENANT	10574184	0710943739	Tamara
12	JACKLINE KEVOD	KAPSUSWA	22179305	0729016182	Jackline
13	ELIZABETH W. WANGARI	KIPCHOGE	23087868	0713961096	Elizabeth
14	ELIAKIM MARTIN MUKOYA	KIPCHOGE	21612192	0725344447	Elia
15	EUPHRAINE WASONGA	KAPSUSWA	25712731	0710925247	Euph
16	WINSON ADAGI TSIAGA	KILIMANI	0727416	0726589123	Winson
17	ISAC KATAMBO	KAPSUSWA	28609240	0712217557	Isaac
18	MILDRED KUTWA	TENANT	24050624	0705583728	Mildred
19	MARGARET NAMBUKO	TENANT	0839090	0704829983	Margaret
20	SAMUEL NISORGE	TENANT KAPSUSWA	24100447	0719488886	Samuel

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY).**

DATE: 14/03/2019

VENUE: KIDIWA SHOPPING CENTER

	NAME.	REPRESENTATION.	ID/NO.	PHONE NO.	SIGNATURE.
21	RUTH KANALI	KAPSUSWA	25207195	0723820624	[Signature]
22	TERECIA W. KOLEPIO	KAPSUSWA	13613656	0726779805	[Signature]
23	RISPAH CHEKULE	KAPSUSWA	13613601	0726169571	[Signature]
24	DEDAH LUISA	KIPCHOGE	22146061	0714212525	[Signature]
25	MARY ODWA	KAPSUSWA	3257351	0716202682	[Signature]
26	ELIUD IMIHI	KAPSUSWA	22171678	0991989	[Signature]
27	ADREW OMUSE	KAPSUSWA	23608691	0723696343	[Signature]
28	HILLARY SHAMOU	KAPSUSWA	27813631	0720538536	[Signature]
29	AGNES ASIKO	KAPSUSWA	6224865	0724266765	[Signature]
30	JOTCE ATIEMA	KAPSUSWA	31391608	072561134	[Signature]

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

DATE: 14/03/2019

VENUE: KIDIWA SHOPPING CENTER

NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
ELVIS KISIA	KAPSUSWA	31542037	0795409025	[Signature]
DENIS OMOGA	KAPSUSWA	34609022	0799584616	[Signature]
HAWA MWINTI	KAPSUSWA	26027533	0728664340	[Signature]
SHILA JUMA	KAPSUSWA	30175638	0719428769	[Signature]
JULIANA AHONO	KAPSUSWA	27167108	0716413215	[Signature]
ALICE NTOLU	KAPSUSWA	11293365	0713627763	[Signature]
RITA GACHERI	KAPSUSWA	30322493	0719487124	[Signature]
CATHERINE WZILANI	KAPSUSWA	23718336	0713003969	[Signature]
KAREM F. ONYENJE	"	7879500	0726619420	[Signature]
EVELENE JEPKOSGEI	KAPSUSWA	292593097	0721445807	[Signature]

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

DATE: 14/03/2019

VENUE: KIDIWA SHOPPING CENTER

	NAME.	REPRESENTATION.	ID/NO.	PHONE NO.	SIGNATURE.
✓	HELEN ABUTIO	KAPSUSWA	12701719	0713670126	hellen
✓	ODDIO LAMBEK NYABARA	KAPSUSWA/Kipchoke	13389509	074586912	ODDIO
	EVERLYNE A. FEDHA	KIPCHOGE	14678703	0722608851	E.A.
	BEATRICE TOROTICH	KIPCHOGE	22343073	0721978638	BEATRICE
	TERAM OREITARIA	KIPCHOGE KAPUSWA	26775094	0714103858	TERAM
	THOMAS K. VEMEL	KAPSUSWA	8319459	0722652483	THOMAS
	Godwin Wanyama	KAPSUSWA	22053763	07063683	Godwin
	ESTHER KOECH	KAPSUSWA	7084818 221921371	0721921371	ESTHER
	Luka K. KANGOGO	KAPSUSWA	7077090	0724416248	Luka
	Julius A. Luo	KURIA	0285302	0723533540	Julius

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY).**

DATE: 14/03/2019

VENUE: KIDUWA SHOPPING CENTER

NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
JABED DWASHUKA	KIDUWA	1228565	0713183597	[Signature]
JOAN SIGILAI	KAPSUSWA	23654002	0726774200	[Signature]
Leonard Obungu	KAPSUSWA	0726415	0712021844	[Signature]
PAMELA Otieno	KAPSUSWA	1323355	0724247253	[Signature]
Ann Kiprop	KAPSUSWA	4638665	0726995705	[Signature]
PAMELA ADUKA	KAPSUSWA	21967184	0700153721	[Signature]
ROTHECK ADEGO Mugo	KAPSUSWA	5621597	0725216356	[Signature]
LOICE J. KIPSANG.	L. C/KAPSUSWA	22055363	0729353233	[Signature]
Hedvig Jepkoech	Kapsuswa	29365911	0703872730	[Signature]
JANE NJERI KARIRO	Kipchoge	12974177	0720349648	[Signature]

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY).**

DATE: 14/03/2019

VENUE: KIDIWA SHOPPING CENTER

NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
ROSE SHAMOLA	KAPSUSWA	22560962	0728669271	
PETER MUTUA	KAPSWASWA	74409672	0723676839	
Philip Kamwabi	KAPCHOGE	25173177	0722623352	
Joyce Achori	Kipchoge	30250061	0723858023	
Jane Mungu	KAPSUSWA	8626076	0721151575	
Clementine Ayaya	KAPSUSWA			
MONICA CHAGANCA	Kidiwa		0792582	
ARNEST OLUMOTIA ATEJU	KAPSUSWA	27391222	0728454160	
CAREN VIRGINIA	KAPSUSWA	3224700	0718407521	
Millicent OROTH	Kapsuswa	10547638	0724309258	

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

DATE: 14/03/2019

VENUE: KIDIAWA SHOPPING CENTER

NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
LAZARUS NGUNE	KipChoge	27074892	0723020699	[Signature]
WILSON GALLO	Kapsuswa	24183538	0722-903732	[Signature]
MERCY KIROOTICH	KIPCHOGIE	21543697	0724245404	[Signature]
PAUL HASWATI	KAPSUSWA	20164430	0727280079	[Signature]
RUTH KOSID	KAPSUSWA	23390621	0726238554	[Signature]
MAGDALENE ACHINEG	KAPSUSWA	30889660	0714193408	[Signature]
TEROP KAPLELACH	KAPSUSWA	23442135	0725208054	[Signature]
SHEKA WARAMBA	KAPSUSWA	32140367	0710693137	[Signature]
EBITH -K. WANGOI	KAPSUSWA	23525331	07405062456	[Signature]

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

DATE: 14/03/2019

VENUE: KIDWA SHOPPING CENTER

NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
JANET LOGAT	KAPSUSWA	27019851	0729030418	[Signature]
JOAN N SIMIYU	KIPCHOGE	20054367	0726492649	[Signature]
LEAH REBECCA	KAPSUSWA	33502368	0791885440	[Signature]
AGGREY W. OSORE	KIPCHOGE	0725510	0716661251	[Signature]
JOYCE JUMA	KAPSUSWA	11466268	0728627919	[Signature]
MARGRET WANJIRO	KAPSUSWA	8713827	0724881733	[Signature]
FRANCIS MAYO	KIPCHOGE	9958942	0722680824	[Signature]
EMOS KAMULA	KAPSUSWA	2209068	0720919397	[Signature]
LUCAS ONYANGO	KAPSUSWA	12454295	0724945444	[Signature]
PETER GITAU	KAPSUSWA	22018791	0720559709	[Signature]

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY).**

DATE: 14/03/2019

VENUE: KIDUNA SHOPPING CENTER

NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
Peter Onyango	KAPSUSWA	8227993	0705147197	
Aggrey Aheungs	KAPSUSWA	0825927	0720436976	
Annet Vuguza	KAPSUSWA	25629452	6720537878	-AV
Shakland Kisikwa	KAPSUSWA	30644803	072878295	KS
Janet cherono	Kapsuswa	27583274	0715040317	JB
Isabella Nduta	Kapsuswa	24044049	0722585233	ND
JOSHUA Bihali	Kapsuswa	28186004	0711451303	JB Bihali
NICHOLAS TOMA	KAPSUSWA	22073176	0716629889	
Alex Mukolwe	Kapsuswa	24103098	0708154775	
Geofry machadu	Kapsuswa	29248016	0788671702	-S

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY.**

DATE: 14/03/2019

VENUE: KIDIWA SHOPPING CENTER

NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
Samuel Odhiambo	Kapsuswa	25171022	0722237886	[Signature]
William Atieno	Kipchoge	26463037	0706481506	[Signature]
PETER ONONO	KIPCHOGE	8257104	0722319874	[Signature]
George Otieno	KIPCHOGE	13550501	0721441152	[Signature]
Monica Muriya	Kapsuswa	28557493	0725917037	[Signature]
JANET AKINYI DUTCH	KIPCHOGE	22229851	0722935034	[Signature]
DOUGLAS M. GIARE	KIPCHOGE	6674878	0711141076	[Signature]
ZAINABU MAKANDE	Kapsuswa	11180025	0715050208	[Signature]
ALICE AKOTH	Kipchoge	21099037	0735757765	[Signature]
DISMUS WANYIKA	KIPCHOGE	13580465	0723692525	[Signature]

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**CONSULTATION AND PUBLIC PARTICIPATION MEETING FOR THE PROPOSED DEVELOPMENT OF THE RESIDENTIAL UNITS AT KAPSUSWA BLK 11/42 (F/R. NO 89/35 ELDORET, MUNICIPALITY, UASHI GISHU COUNTY).**

DATE: 14/03/2019

VENUE: KIDIWA SHOPPING CENTER

NAME.	REPRESENTATION.	ID /NO.	PHONE NO.	SIGNATURE.
JUDY KIRIWA	Tenant LC	21790827	0721 954189	Jy
Catherine Nyoki	Tenant LC	9370935	0720 446008	Gm
Jane Mwangi	Tenant LC	23634546	0722 212926	Ji
NATHAN K RUITO	Tenant V/H	9604823	0728271264	SB
JACINTA MWAKIO	Tenant UHURU	9079437	0722 967484	Mwakio
DELPHINE JEPKEMBOI	TENANT KAPSUSWA	25933542	0729281966	<del>Delphine</del>
Linda KISANYA	KIDIWA	27AA136A	0727203228	Linda
J. Omondi	KIDIWA	21875051	0721 688386	J. Omondi
Eunice Adhiambo	KIDIWA	2700983A	07122099A6	Eunice
JACKSON KIPLAGAT	KAPSUSWA	28433614	0729451593	Jackson

For Any Clarification Kindly Contact Planning Officer Environment At NHC, Phone No. +254 0724256403.

## **Appendix VI: Copies of the Proposed Project Approved Architectural Drawings.**







