



**ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT (ESIA) SUMMARY
PROJECT REPORT**

FOR

**THE PROPOSED EXPANSION OF MILK PROCESSING PLANT BY JONAS FOOD
LIMITED AT KAPSOIT CENTER, KAPSOIT WARD, AINAMOI SUB COUNTY,
KERICHO COUNTY**

GPS COORDINATES: LATITUDE -0.319583, LONGITUDE 35.222289



PROJECT PROPONENT

JONAS FOODS LIMITED

P.O BOX 1349-20200 KERICHO

PROJECT SPONSOR

**KENYA CLIMATE SMART AGRICULTURE PROJECT
WITH SUPPORT FROM THE WORLD BANK**



NOVEMBER, 2021

CERTIFICATION
ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT (ESIA) SUMMARY
PROJECT REPORT

This Environmental and Social Impact Assessment Summary Project Report for the proposed expansion of milk processing plant by Jonas Foods Limited on Title No. Kericho/ Kapsoit/8 at Kapsoit Trading Center has been prepared in accordance with NEMA regulations under the guidance and supervision of a registered NEMA Lead Expert. It meets statutory provisions stipulated in EMCA CAP 387, the Legal Notice No. 32 and the Environmental (Impact Assessment and Audit) (Amendment) Regulations, 2019. World Bank KCSAP triggered policies OP 4.01. We hereby certify that the details herein are correct and true to the best of my knowledge.

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ABBREVIATIONS AND ACRONYMS

CSA	Climate Smart Agriculture
CTAC	County Technical Advisory Committee
CPSC	County Project Steering Committee
COVID-19	Coronavirus Disease 2019
CPCU	County Project Coordination Unit
ESIA	Environmental and Social Impact Assessment
ESMMP	Environmental and Social Management and Monitoring Plan
EMCA	Environmental Management and Coordination Act, CAP 387
GBV	Gender Based Violence
KCSAP	Kenya Climate Smart Agricultural Project
NPCU	National Project Coordination Unit
NEMA	National Environmental Management Authority
SEA	Sexual Exploitation and Abuse
SPR	Summary Project Report

EXECUTIVE SUMMARY

The proposed expansion of milk processing at Jonas Foods Limited at GPS coordinates Latitude 0.319583, Longitude 35.222289. The proposed project aims at expanding the companies scale of processing by increasing the processing space and installing high capacity

modern processing equipment. The project is expected to increase the net margin per unit of milk produced by the rural resource poor small holder farmers from the sales of milk as well as provide employment opportunities for the actors along the milk value chain. The proposed project entails renovation of the existing rented building and installation of processing equipment. The project is supported by the County Government of Kericho and the National government through support from the World Bank under the Public Private Partnership (PPP). The proposed project cost is estimated to be **KES 51,885,000**.

The environmental and social impact assessment (ESIA) Summary project report (SPR) is based on the recommendation of the County Director of Environment, Kericho County based on the environmental and social screening report. The ESIA (SPR) has been prepared in accordance to Environmental Management and Co-ordination (Amendment) Act (No. 5 of 2015& 2019) and Part II of the Environmental (Impact Assessment and Audit) Regulations 2003 the NEMA public notice 31 on processing of EIA reports of 12th March 2020 and the World Bank safeguards policy OP 4.01 Environmental Assessment. The other policies relevant policies included the Food Drugs and Chemical Substance Act Cap 254, Standards Act cap 496, Dairy industry Act cap 336, the land title act cap 282, sexual offence Act No 3 of 2006, Occupation Health and Safety Act 2007, work injury and compensation Act, and public health Act cap 242. The objective of this **ESIA SPR** was to assess the environmental and social impacts of the proposed project, propose appropriate mitigation measures and make recommendations on the approval by the National Environmental Management Authority.

The approach used in this **ESIA (SPR)** included environmental and social screening, environmental and social scoping, desk review, field visit, public participation and stakeholder consultation and report writing. The methods used in public participation and stakeholder consultation included one (1) public meeting, two (2) focused group discussion and data collection from key informant using structured questionnaires. The meeting was conducted on 18th October 2021, where a total of 23 people (16 males, 7 female) participated. The major environmental and social issues raised during the public participation and stakeholder consultation included liquid waste management, milk seasonality, milk quality, transportation challenges, occupation and health safety, clean water supply for processing, and solid waste disposal. The responses to this concerns included expanding the waste management system, expanding the catchment area for milk collection, proper milk handling

at all levels, the company to consider acquiring a track and collecting milk at strategic collection points, installation of more tank for water harvesting, workers to be provided with appropriate personal protective equipment and milk testing to ascertain the quality as well as capacity building on quality milk production at the farm level.

The anticipated positive impacts of the proposed project include creation of employment opportunities, increased returns per unit of milk of milk sales by the farmer, increased production of milk and processing of milk products. The major negative impacts include release of liquid waste from washing water, solid waste, noise pollution, air pollution, increased demand for water, increased demand for energy for processing, risk of fire, occupational safety and health hazards, risk of spread of COVID-19, risk of spread of HIV/AIDs and gender-based violence at community level. A comprehensive Environmental And Social Management and Monitoring Plan (ESMMP) is presented in chapter six of this report to mitigate any negative impacts. The Environmental and Social Management and Monitoring Plan (ESM&MP) will be implemented at a total cost of KES 110,000 during construction phase, the cost of implementation during operation and maintenance shall be included in the company's annual budget.

Based on the findings of the assessment the proposed expansion of milk processing project is not likely to result into significant negative impacts. It is therefore the view of the experts that the project be allowed to proceed and recommends approval by National Environmental Management Authority (NEMA) subject to an annual audit. The experts further recommend that the reports be shared with the selected contractors for the implementation of the contractors specific ESMMP. The County Project Coordination Unit (CPCU) through the CESSCO in consultation with NEMA and other relevant stakeholders shall monitor the implementation of the ESMMP and report on compliance.

CHAPTER ONE: INTRODUCTION

1.1 Background Information

Jonas Food Company Limited (Jonas Foods) is a private limited liability company, incorporated under the Companies Act (Cap. 486) in the Republic of Kenya. Jonas Foods was established in 2014 with the aim of working in partnership with small scale farmers to drive sustainable economic development through value addition. The Company Vision is to be the leading food company in creating an efficient and sustainable milk value chain in Kericho County. The company currently produces four product variants under the brand umbrella Jonas Foods; Jonas Mursik, Jonas Lala currently packaged in 500ml, and Jonas Vanilla yoghurt and Jonas strawberry yoghurt which are packaged in a range of sizes from 150ml to 500ml. The four variants are positioned as quality economy products.

Mursik is a specialized product, going back in history and has the opportunity to ride the premium ‘back to traditional foods’ wave. The economy sector’s profitability is vulnerable to the volatility of raw material, packing prices and the competitiveness in the market. The proposed project aims at expanding processing by the company by increasing the scale of production of current products and introducing new product lines. This is expected to improve per unit value of milk hence increasing ability of the company to offer competitive farm-gate prices for raw milk supplies by the dairy farmers. The proposed project entails renovation works of the existing building and installation of processing equipment. The project is supported by Kenya Climate Smart Agriculture Project (KCSAP) under the County Government of Kericho through the funding of the World Bank. The cost of the project is 51,855,000.

1.2 Project Justification

The expansion and modernization of milk processing at Jonas Foods limited is important because milk production is a source of livelihood for more than 60% of Kericho residents. The expanded capacity will improve market access for raw milk producers at the rural level. Kericho farmers identify inefficiencies in milk marketing as the main constraints to improvement of net incomes and livelihoods of small scale producers (KCSAP Value Chain Analysis Report, 2019). Similarly, milk forms an important component of the diet of most Kenyans. Modernizing the processing plant will facilitate increased supply of high quality

products leading to improvement in the health of the local population. Specifically, expanding and modernizing the dairy plant at Jonas Foods Limited is justified on the basis of the following benefits:

- A total of 1388 dairy farmers comprising of 972 males and 416 females are expected to benefit directly from the project from the milk suppliers.
- Increased returns from value added milk is high both in the domestic and external market
- Creation of forward and backward linkage with other industries such as commercial feed manufacture and pasture grass/fodder farming which is suitable in all parts of the County but remain intensively under-exploited
- Generation of direct employment in the plant for workers in the production line, truck drivers, packers, loaders, tractors, pick-up drivers, transporters, mechanics, and farm labourers in the dairy plant and input suppliers.

1.3 Justification of Summary Project Report

This Environmental Impact Assessment (ESIA) Summary Project Report (SPR) is based on the recommendations of the County Director of Environment (CDE), Kericho County following the environmental and social safeguards screening report as provided for in the environmental and social management framework (ESMF). This report incorporates the **World Bank Safeguard Policy 4.01 on Environmental Assessment**. The activities of Jonas Foods Limited are low risk activities listed within the second schedule of section 58(1), (5) of EMCA, 1999 revised 2015 and NEMA public notice on processing of EIA reports of 12th March 2020 which provides for preparation and submission of Summary Project reports for low or medium risk projects. Though the company has been in existence since 2014, The Summary Project Report (SPR) is necessary because of the proposed expansion of milk processing is conducted in the newly rented building in Kapsoit Center for which no environmental and social assessment impact had been conducted for the activities of Jonas Foods Limited.

1.4 Summary Project Report (SPR)

The objectives of the Environmental and Social Assessment (SPR) included

- i. To describe the nature of the proposed Project site including the layout, design and planned activities;
- ii. To conduct a comprehensive public participation and document the outcome for the proposed Hay Project;

- iii. To identify and analyze the potential environmental and social impact of all the project cycle phases (planning, construction, operations and decommissioning);
- iv. To propose mitigation measures for the identified environmental and social impacts for all the project lifecycle;
- v. To prepare Environmental and Social Management and Monitoring Plan (ESMMP) for the entire project lifecycle based on study; and
- vi. To make recommendations based on the findings of the ESIA (SPR).

1.5 Approach and Methodology of Summary Project Report

The methods used in the study entailed screening, scoping, desk review of documents pertinent to the proposed project, site visit, public participation and stakeholder's consultation, administration of questionnaire and preparation of ESIA Summary Project Report.

1.5.2 Screening

The environmental law (EMCA, 1999) provides that all projects that fall under second schedule must be subjected to an ESIA cite recent 2019 guidelines. Thus screening was done to establish whether or not an Environment and Social Impact Assessment was necessary. The project was deemed necessary to conduct an ESIA for the assessment of its likely impacts on the environment and the community socially and preparation of a Summary Project Report. The screening took place on 10th March 2021. The screening team was composed of the Environmental and Social Safe-guards Officer (CESSCO-Kericho) and the County Director of Environment.

1.5.3 Scoping Process

This was done to identify significant issues allied with the project and the reasonable and feasible project alternatives. The process involved discussions with the proponent, face-to-face interviews with the identified stakeholders and survey of the site.

1.5.4 Desk review of Documents

The ESIA SPR team reviewed all the relevant available documents on project activities and components from the proponent. The team also reviewed all the available and relevant internal environmental guidelines put in place by the proposed project and recognized guidelines and standards as well as the policy, regulations and legal framework on ESIA (SPR).

1.5.5 Site Visit

The ESIA SPR team conducted field visits to the Jonas Foods Limited to assess the site and consult with to obtain further information. The team established the nature of the surroundings including: existing infrastructure, the employees and economic and social set up of the neighbors whose normal daily activities will be and/or likely to be affected by the implementation of the proposed project.

1.5.6 Public participation and Stakeholders consultation

The purpose of public participation was to ensure involvement and consultations to foster project ownership. The process helped all the key stakeholders of Jonas Foods Limited to understand what the project entailed which formed a useful component for information gathering, understanding and establishing likely environmental and social impacts of the proposed upscaling and diversification of milk products as required by law. The beneficiary community had a chance to give their views in terms of potential benefits and adverse effects. The methods used included one (1) meeting, two (2) focused group discussion and data collection from key informants using structured questionnaires. The views were then analyzed and incorporated in chapter four of this report.

1.6 Contents of the Report, Organization and Structure

This ESIA Summary project report is divided into seven (7) chapters as follows: Chapter one present the introductory chapter, Chapter 2 gives nature of the project, Chapter 3 gives a description of the location of the project, chapter 4 presents the outcome of the public consultation and participation process, Chapter 5 identifies and discusses the anticipated impacts and mitigation measures of the project, Chapter 6 presents the environmental and social management and monitoring plan (ESMMP). Chapter 7 gives conclusions and recommendation followed by references and Appendices.

CHAPTER TWO

THE NATURE OF THE PROJECT

2.1 Introduction

This chapter gives details of the project, proposed works, planned activities and expected outputs for the proposed expansion of milk processing plant by Jonas Foods Limited.

2.2 Existing Infrastructure

The Company currently have a rented processing building with a working area for receiving, and processing milk. The other infrastructure includes 1 cooling tank, dump tank (500 litres), Auto weight scale, testing equipment, steel stirrer, mini pasteurizer, simplex filter, steel work tops, deep freezer, refrigerator, water storage tanks, cup filling and sealing machine and packaging and branding material.



Plate : Packaging Machine

2.3 Proposed Project Design

The proposed project entails renovation of the existing structure and installing dairy processing equipment. The renovation works will entail redesign of the current working area, laying of pipes and improvement of the drainage system, expansion of septic tank/soak pit, installation of additional tanks for water harvesting. The processing equipment include Cooling Tank (1), Pre-cooling Pans (4), Aluminium Cans (35), Double Jacket Tank, Instant Chilling Unit (1), 500L Dump Tank (1), Condensing Unit (1), Evaporator (1), Control Panel (1), 1.5hp Milk Pump (1), SS Can Scrubber (1), Auto Weight Scale (1), Quality Analyzer, Testing Equipment, Yoghurt Mixer(1 Set) , Steel Stirrer(1 Set), Batch Pasteurizer(1) , Mini Pasteurizer(2) , 2000LPH Homogenizer(1) , 1000L Chilling Tank (1), 500LPH Separator(1) , PHE Milk

Chiller(1) , 1.5hp Positive Pump(1), CIP Cleaning Unit(1) , Cream Separator(1) , Flow Control Valves(1) , Simplex Filter (1), Change-over Switch(1) Pouch Filling Machine(1) , Bottle Filling Machine(1) , Cup Filling Machine(1) , Cup Sealing Machine(2) , 1hp Milk Pump(1) , 370L Packaging Compressor(1) Inter-connecting valves & pipes(set, Packing Stabilizer(1) , Date Machine(1) , Packaging and Branding Materials(Assorted), Steel Work Tops(3) , Auto Weight Scale(3) , 17kVA Generator(1) , Valves & Pipelines , Pallets & Palletizer , Condenser/Evaporator , Deep Freezer (2), Refrigerator(2) and water harvesting/storage tanks(4).

2.4 Proposed project activities

2.4.1 Preliminary activities

This will entail planning meetings before the commencing of the planned works

2.4.2 Construction Phase

This phase will involve renovation and repairs works of the existing structure in preparation for the installation of the processing equipment. The specific activities will entail

- Renovation of floor and wall,
- Installation of pipes and electrical cables,
- Installation of processing equipment, and
- Improving the drainage system.

2.4.3 Acquisition and Installation of milk processing equipment

The main activities include:

- Procurement of the milk processing equipment,
- Installation of the processing equipment, and
- Testing of the equipment and commissioning.

2.4.4 Operation and Maintenance

The main activities in this phase will include milk processing, packaging, marketing, and equipment maintenance. The company will process milk into four products including Jonas Lala, Jonas Yorghut, Cheese and Cream (Pasteurized cream and Ice Cream). The key activities are presented in the flow chart below

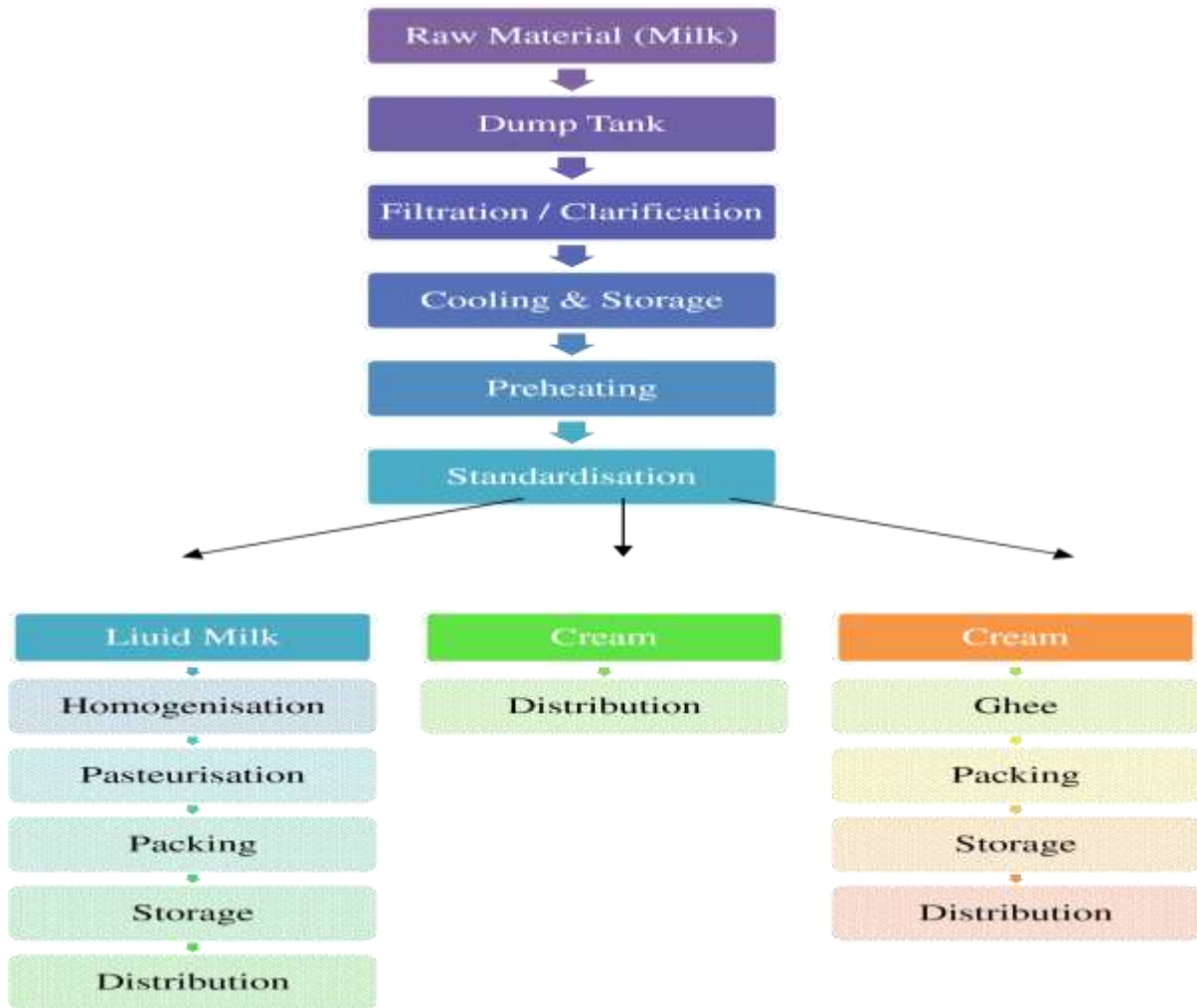


Figure 1 : Flow Diagram for the proposed Expansion of Milk Processing Unit at JONAS FOODS LIMITED - 10000 LPD

2.4.4.1 Milk Processing, packaging and Marketing

- a) **Receiving good quality** milk free from antibodies, preservatives and not adulterated. The quality assurance personnel will ascertain quality by conducting a series of tests including alcohol test, organoleptic test and lactometer test for density.
- b) **Processing:** This step include the following procedure
 - **Batch Pasteurization:** This will involve heating the milk at 80° C to 85° C using the batch pasteurizer for 30 minutes. This will be necessary to destroy spoilage and pathogenic bacteria, produce a smooth and viscous product, prevent wheying off in the sour curd and enable starter cultures to grow well in the milk.
 - **Cooling:** This will entail cooling the milk to 20 - 25 °C after pasteurization.
 - **Inoculation:** This will entail adding the starter culture to the milk is holding milk for 45 to 60 min at 25 to 30° C to ensure the bacteria are active, growing and have developed acidity when making mala and yoghurt.

- **Incubation:** This will entail holding the milk at an ambient temperature of for a period of 16 to 18 hours after inoculation
 - **Flavoring for Yoghurt:** This will entail adding sugar and flavour like vanilla and strawberry in to the coagulum when processing yoghurt
- c) **Packaging:** This will entail packing the processed mala, yoghurt and pasteurized milk in 150mls, 250mls and 500mls for marketing
- d) **Refrigeration:** The packaged product will be put in refrigerator awaiting sales and distribution to the market outlets
- e) **Sales and Distribution:** The processed milk product will be sold to wholesalers, supermarket, retail outlets and institutions.

2.4.4.2 Equipment Maintenance

Processing equipment shall be cleaned after use. The equipment includes milk cans, the cooler, the pasteurizer, pipes.

2.5 Project Cost

The total project is Ksh. 51,855,000 cost excluding the cost of implementing the ESMP.

3.1 Introduction

This chapter presents project location, land ownership, conformity to land use plan and supportive environmental management infrastructure.

3.2 Description of Project Location

3.2.1 Physical Location

The proposed project is located at Kapsoit trading center off the Kericho – Kisumu highway in Ainamoi Sub County of Kericho County. The Market is approximately 10 kilometers to the West of Kericho Town. It is located in the heart of the famous dairying/tea growing zone within Kapsoit Ward. The town lies at the altitude of between 1500 to 1800 meters above sea level.

3.2.2 Geographical Location

The proposed project is located at GPS coordinates Latitude -0.319583, Longitude 35.222289

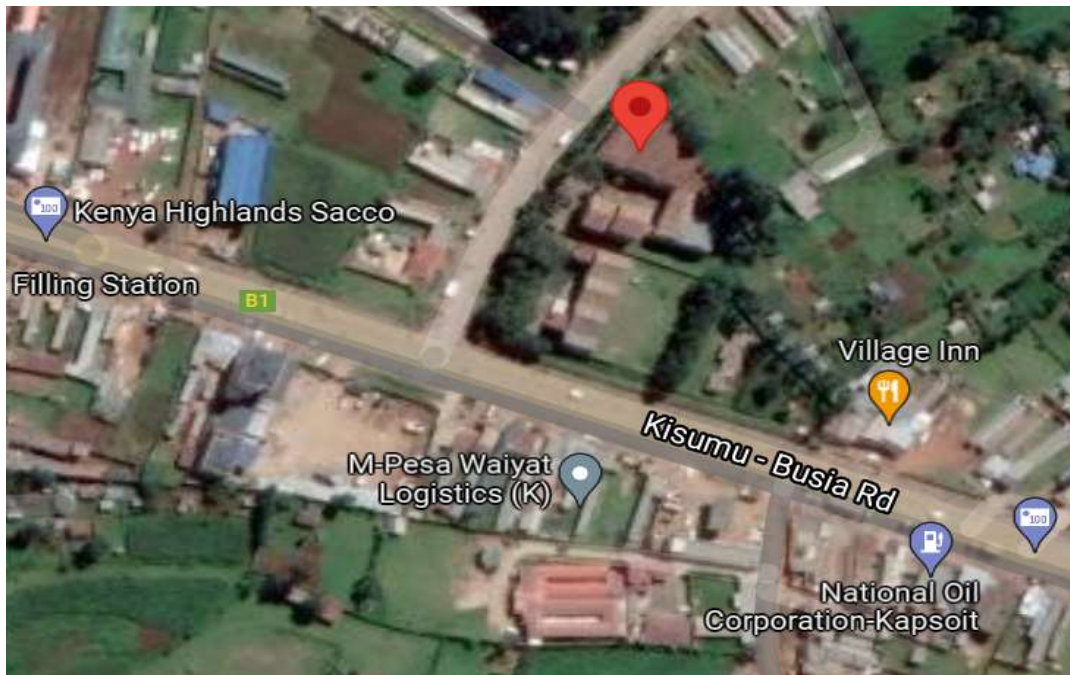


Plate : Location of the proposed project

3.3 Land Ownership

The proposed project is established in a rented premise Title No. Kericho/ Kapsoit/8 at Kapsoit Centre, along Kericho-Kisumu highway. The company have duly signed a lease agreement with the owner (see Annex 2).

3.4 Supportive Environmental Management Infrastructure

The existing supportive infrastructure include

- a) **Access Road:** The premise is accessed through a tarmac road off Kericho Kisumu highway
- b) **Energy Supply:** The premise is connected to the main KPLC main Grid (Three Phase)
- c) **Water System:** Jonas Foods is connected to piped water by Kericho Water Sewerage Company (KEWASCO. To supplement this the company has installed two (5,000 litres) capacity storage tank for roof water harvesting.



Plate 1: storage tank for roof water harvesting

- d) **Drainage and Sewer System:** Waste water from cleaning of equipment is disposed in a soak pit
- e) **Security:** Jonas Foods is secure and within a fence compound with one entrance gate. Next to the gate is the security office.
- f) **Pit Latrine:** The Company has constructed a pit latrine with four doors doors for men and female separately for disposal of human waste.
- g) **Telecommunication network:** The project site is covered the major networks including Safaricom, Airtel and Telcom hence easy communication.



Plate 2: Pit latrine with four doors doors for men and female separately

3.5 Conformity to Land Use Plan and Zonation Plan

The land is designated for industrial use since the initial owner used it for water processing. It therefore conforms to the land use plan of the area

CHAPTER FOUR: PUBLIC PARTICIPATION AND STAKEHOLDERS CONSULTATIONS

4.1 Introduction

The Kenyan government has enshrined the need for human societies’ involvement in project development in the constitution. Public consultation with regard to the proposed development was conducted as required in the Environmental Impact Assessment and Audit Regulations of 2003 (Amendment, 2019). The law requires that community participation be part of ESIA and their issues of concern be addressed. It has also been demonstrated that projects that go through this process will acquire high level of public acceptance and accrue benefits for a wider section of the community.

4.2 Objectives of Public Participation and Stakeholders Consultation

The specific Objectives included

- Inform all stakeholders and the community of the proposed banana project
- Explain to the stakeholders the nature of the proposed project, its objectives, scope, funding and any other information with regard to the proposed project
- Seek the views of the people on the proposed project

- To seek their opinions on any positive or negative impacts from the establishment of the proposed upscaling and diversification of processed milk products at Jonas Foods Limited
- To find out if there are any environmental and social issues that the establishment of the proposed project.
- Obtain suggestion from community members on possible ways that they feel potential negative environmental and social impacts can be effectively mitigated

4.3 Categorization of Community Participants and stakeholders

The main participant’s dairy farmers supplying milk to the company. The other participants and stakeholders included livestock officers, dairy board and employees of the company. Detailed list of participants and stakeholder identified in Annex 9.

4.4 Methodology of Public Participation and Stakeholder Consultation

Public participation process involves one (1) public meetings, two (2) focused group discussion with the management and the employee. Key informant interviews were also conducted using structured questionnaires (see filled sample in annex 6 and 7) to gain an in-depth understanding about the project.



Photo: Ongoing public consultations at the facility

The forums were held on the 18th October 2021 where 23 people (16Male, 7Female) participated (Annex 4). *Covid-19 guidelines were followed during the whole exercise through proper social distancing, sanitizing and wearing of masks.* During the meeting participants were given opportunity to give their views on the proposed project (see minutes Annex 3).

4.5 Summary of Issues Raised by Community and Stakeholders and Responses

The concerns raised during the meeting with management, employees and transporters included

- a) **Liquid waste management:** It was noted that there is waste liquid from cleaning the equipment and working area from the value addition area on a daily basis. The director confirmed that the capacity of septic tank/soak pit was adequate to handle the liquid waste from the value addition area
- b) **Operating Licenses:** The director confirmed the availability of Dairy Board License, County Government Permit, Food and Hygiene, Medical examination reports and KEBs certification
- c) **Occupational Safety and Health Policy:** It was apparent from the discussions that most employees were not conversant with the OSH policies neither were they aware of the provisions that were applicable to them. Most staff had personal protective equipment (dust coat) which was provided by the company. The management committed to sensitize all staff on OSH and provide all the necessary PPEs
- d) **Clean water for processing:** A members raised concern on the high demand of water and the scarcity occasioned by dry conditions in some months of the year. The management however committed to procure more tanks for roof water harvesting.

CHAPTER FIVE

ANTICIPATED IMPACTS AND MITIGATION MEASURES

5.1 Introduction

This chapter presents the assessment of issues likely to arise as a result of the implementation of proposed diversification of processed milk products at Jonas Foods Limited. The anticipated impacts are discussed as environmental impacts and social impacts in three phases namely construction, operational and decommissioning phases. During the implementation of the proposed construction and operation, it is likely that the project will result in both positive and negative impacts to the environment. All possible practical measures should be put in place to ensure that any likely negative impacts are mitigated and positive impacts are enhanced and maximized.

5.2 Environmental and Social Impacts during Construction Phase

5.2.1 Positive Impacts

A number of positive impacts have been accrued from the success of Jonas Foods Limited. The most obvious and evident are outlined below.

- a) **Creation of Employment Opportunities:** Both skilled and unskilled manpower shall be employed at during the renovation, installation of processing equipment as well as during the operation and maintenance phase.

5.2.2 Negative Environmental and Social Impacts during Construction

The activities during this phase shall be minimal since the Company is operating on a rented premise. The main activities will include minimal renovation including wiring, piping works, repair of drainage system, waste management infrastructure and installation of the processing equipment

a) Dust Emissions

Dust is likely to be generated during the construction and renovation works from excavation on concrete floor and wall during installation of processing equipment, delivery of construction materials to site, handling and mixing of cement which is powdery in nature, and handling ballast which has dust particles. The potential negative impacts to the employees include eye irritation if it gets in contact with the eye, skin irritation if it gets into contact with the skin, impairment of normal sweating of the skin as it blocks pores on the skin; choking of the throat; potential course of chest complication and ailment.

Mitigation measures

- The contractor to carry out regular sprinkling of water to be done on dusty surface
- The contractor should provide dust masks to all employees involved in the renovation and construction work

b) Noise pollution and vibrations

The proposed project will most likely result in noise emission as a result of machines like cement mixers, riveting machine while installing equipment and trucks delivering materials. This impact is however minimal

Mitigation measures

- The contractor to ensure that all construction work to be limited to daytime only
- The contractor should notify the immediate neighbors in advance on the date of commencement of construction/renovation work.
- The contractor should provide all employees likely to be exposed to ear noise with ear protectors

c) Generation of solid waste

Solid waste generated during renovation and installation of processing equipment include concrete chippings, excavated soil from the foundation of the additional structures, paper wrappings for the procured equipment and cement bags. This impact shall be minimal in nature since there is no major construction works.

Mitigation measures

- Provide waste collection facilities (waste bins) for the temporary storage of wastes prior to disposal at an appropriate and designated sites.
- The contractor to liaise with the County government and the local NEMA office for direction on licensed waste collectors and suitable dumping sites for generated wastes.
- The contractor will also sensitize construction workers on proper management of wastes.

d) Risk of accidents and worker's injuries

During renovation/construction activities construction workers may encounter accidents and injuries from unloading of equipment for trucks, hand tools and cuts from sharp objects, slips and fall from heights, tripping hazards among others.

Mitigation Measures

- The contractor should ensure that workers are provided with personal protective equipment and first aid kit
- The contractor should ensure that all equipment are inspected before use for appropriate safeguards and that the machine operators are trained on machine safety
- Ensure appropriate safety signs at within the working areas to guide the workers on site.

e) Risk of increased spread of covid-19 at work sites

During construction and renovation, workers may be required to works closely especially during the installation of processing equipment, this poses a risk of spread of COVID-19 from the close contacts and interactions

Mitigation Measures against spread of COVID-19

- All workers should be sensitized on COVID-19 prevention measures
- All workers must wear face masks at all times
- Avoid concentrating of more than 15 persons or workers at one location and where more than one person is gathered, maintain social distancing at least 2 meters.
- All workers and visitors accessing worksites every day or attending meetings shall be subjected to rapid Covid-19 screening which may include temperature check and other vital signs
- Install handwashing facilities with adequate running water and soap, or sanitizing facilities at entrance to work sites including consultation venues and meetings and ensure they are used

5.3 Environmental and Social Impacts during Operation and Maintenance

5.3.1 Positive Impacts

- a) **Creation of Employment Opportunities:** Throughout the project cycle, there has been both skilled and unskilled manpower employed at the dairy more so to the locals

- b) **Dairy Milk Storage and Processing:** The dairy has been partly the smallholder dairy farmers' raw milk collection, storage and value addition point. This has reduced cases of milk pilferage before reaching the market
- c) **Increased farmer income:** The purchasing of the milk within the milk collection dairy company has led to continuous money circulation, as result of farmers always continue with the dairy activities because of the promised market.

5.3.2 Negative Environmental and Social Impacts during Operation

a) Generation of Solid Waste

The operations of project and related activities and processes will result in moderate quantities of solid waste. The waste will include materials such as waste papers from offices, waste cartons, and milk packaging materials.

Mitigation Measures

- Ensure reduction at source, recycling, re-use of generated solid wastes as much as possible
- Employees should dump solid wastes in designated covered dustbins
- Waste are segregated depending on the nature and the characteristics of the wastes e.g. metals, plastics, papers

b) Generation of liquid Waste

This is likely to result from effluent from cleaning the working area and equipment and rejected milk.

Mitigation Measures

- The management should ensure that all liquid waste is channeled to a soak pit
- The management should ensure recycling and reuse whenever possible
- The drainage channel should be covered and the mesh paced at the hole discharging the liquid waste out of the room
- The drainage from the value addition and cooling sections should be connected to the soak pit and checked regularly for leakages

c) Storm water management

Water from the rains should be managed to prevent erosions and destruction of the existing infrastructure like the internal road network as well as stagnant water that could be breeding ground for mosquitoes.

Mitigation Measures

- Water harvesting to reduce the volume of storm water
- The drainage channels should be kept clean free from solid waste
- Any stagnant water after the rain should be drained

d) Increased demand for energy for processing

The proposed project will result in increased demand for electricity. Energy will be consumed for internal climate adjustment (milk chilling, pasteurizing and lighting) and for the operation of milk processing equipment

Mitigation measures

- Energy saving bulbs to be used in lighting in offices.
- Proper ventilation of the premise to ensure optimum natural light during the day.
- Provide automatically fused control boxes for each item of equipment in the power distribution panel to prevent interruption in case of tripping.
- Select milk processing equipment with energy-saving features wherever possible
- The management should consider installation of solar power for heating and lighting

e) Increased demand for water

The proposed project will result in increased demand for water. Water will be required from processing and cleaning of equipment and the working area.

Mitigation measures

- Installing water saving devices such as push taps to be installed to minimize lose.
- Installation more tanks for roof rainwater harvesting systems to the premise.
- All workers should be sensitized on appropriate water use and conservation technologies applicable.

f) Occupational Safety and Health Hazards

During operation occupation health hazards may include electric shocks, burns from hot milk, falls from slippery floor and injuries from equipment / machine handling.

Mitigation Measures

- Ensure workers are provided with personal protective equipment and first aid kit
- Workers should be sensitized on first aid
- Ensure all equipment are inspected before use for appropriate safeguards and that the machine operators are trained on machine safety
- Ensure the working hours are controlled and that employees are not allowed to extend the

working hours beyond an acceptable limit for purposes of gaining extra pay

- Ensure appropriate floor surface in the working areas of the premise
- The premise should be registered with the Director of Occupation Health and Safety
- The management should ensure that all machines are labelled and have operation manuals
- There should be register for recording all ailments sickness and accident occurrences
- Employee should be provided with emergency contacts for rescue teams such as hospital, Red Cross and firefighters.
- The management should ensure that there is adequate ventilation in the premise

g) Risk of fire within the facility

There is risk of fire from electric malfunction within the premise during processing. Appropriate measures must therefore be put in place to prevent this from happening.

Mitigation Measures

- Ensure that all electric conductors are properly insulated
- Installing cut out fuses to automatically cut off power in case of a malfunction
- Installing firefighting equipment at all the fire prone locations within the premise
- Designating a fire assembly point within the premise

h) Risk of milk contamination

There is high risk of milk contamination as a result of poor handling by employees and poor hygiene for the milk handling equipment like milk cans, receiving tank and cooler. Also there is high risk of contamination during transportation especially using motor bikes. Since milk is a food product it should be handle appropriately to ensure that it is safe for human consumption by ensuring that the persons handling food are in good health and maintain personal hygiene within the premise. Inappropriate handling as well as poor personal hygiene may compromise the safety of milk and milk product.

Mitigation Measures

- Use of recommended milk cans for milk transportation and storage
- All milk handling equipment like milking cans must be cleaned thoroughly before use
- The working area should be cleaned daily surface contamination
- No person suffering from any disease in a communicable form or having boils, sores or infected wounds should be allowed to work in in the facility in any capacity where there is a reasonable possibility of food ingredients becoming contaminated by such person or the disease being transmitted to the other employees

- Through medical examination should be done to all employees prior to their employment and at regular intervals of not more than twelve months in a government medical institution or by medical officer of health and the health certificate and health records of each employee showing the dates and the results of the health examination should be kept at the facility
- The personnel responsible for identifying sanitation failures or milk contamination should properly be trained to provide a level of competency necessary for the production of clean and safe milk
- Proper techniques and milk protection principles should be put in place to avoid the danger of poor personal hygiene and insanitary practices

i) Risk of Spread of COVID-19 at the premise

During operation phase there will be a lot of interaction between the employees and the farmers delivering milk as well as the transporters and buyers of processed milk. This poses risk to the persons involved hence appropriate measure need to be put in place to mitigate the risk.

Mitigation Measures

- All employees, transporter delivering milk, processors collecting milk and visitors should wear face masks at all times
- Avoid concentrating of more than 15 persons or workers at one location and where more than one person is gathered, maintain social distancing of at least 2 meters.
- All workers and visitors accessing worksites every day or attending meetings shall be subjected to rapid Covid-19 screening which may include temperature check and other vital signs
- Install handwashing facilities with adequate running water and soap, or sanitizing facilities at entrance to work sites including consultation sections and meetings and ensure they are used
- Ensure routine sanitization of shared social facilities and other communal places routinely including wiping of work stations, surfaces, door knobs, hand rails.

j) Gender Based Violence at Community level

There is likely to be increased cases of GBV arising from sharing of the proceeds from the increased returns from milk sales at household level

Mitigation Measures

- Sensitizing the community against GBV

- Establishing mechanisms for reporting GBV
- Have deterrent/punitive measures for any offenders reported.

5.4 Environmental and Social Impacts during decommissioning Phase

Decommissioning refers to the final disposal of the project and associated materials at the expiry lease agreement or when the company gets another alternative business or relocates to a new site. During this phase, the proponent will be expected to demolish the physical structures, change use, and remove the infrastructure and remediate the site.

5.4.1 Negative Environmental and Social Impacts during decommissioning

a) Generation of solid wastes

Although demolition waste is generally considered as less harmful to the environment since they are composed of inert materials, there is growing evidence that large quantities of such waste may lead to release of certain hazardous chemicals into the environment. We recommend that proper waste disposal mechanisms be observed during the decommissioning phase.

Mitigation Measures

- Waste should be disposed at designated sites approved by the County Government of Kericho and NEMA

b) Noise Pollution

The decommissioning related activities such as demolition works will lead to significant deterioration of the acoustic environment within the project site and the surrounding areas. This will be as a result of the noise and vibration that will be experienced as a result of demolishing the proposed project structures.

Mitigation Measures

- Any noisy source including equipment, machinery or device shall be mitigated by use of appropriate noise suppression equipment such as mufflers
- The workers will be supplied with on ear mask where applicable to control excessive noise
- No works during the night to prevent disruption of the neighbouring community

c) Occupational Safety and Health Hazards

Demolition works will inevitably expose workers and the public to occupational health and public safety risks: in particular, working with heavy equipment, handling and use of tools engender certain risks. The construction workers are also likely to be exposed to risk of

accidents and injuries resulting from accidental falls, falling objects, injuries from hand tools and other equipment.

Mitigation Measures

- Ensure workers are provided with personal protective equipment and first aid kit
- Ensure appropriate road safety signs are strategically placed and drivers adhere to the requirements of such signage
- All construction sites shall be isolated from the public, customers and internal workers. through temporary scaffolding and fixing appropriate safety signage and information

CHAPTER SIX

ENVIRONMENTAL AND SOCIAL MANAGEMENT AND MONITORING PLAN

6.1 Introduction

The proponent acknowledges the fact that the proposed project activities will have some level of impacts on the environment and socio economic well-being of the local residents. Thus, the main focus will be on reducing the negative impacts and maximizing the positive impacts associated with the project activities through a programme of continuous improvement.

An environmental and social management plan has been developed to assist the proponent in mitigating and managing environmental impacts associated with the life cycle of the project. The ESMP has been developed to provide a basis for an Environmental Management System (EMS; ISO 14001 principles) for the project. It is noteworthy that key factors and processes may change through the life of the project and considerable provisions have been made for

dynamism and flexibility of the ESMP. As such, the ESMP will be subject to a regular regime of periodic review. The ESMP provides a general outlay of the activities, associated impacts, mitigation action plans and appropriate monitoring action. It also defines implementation timeframes and responsibilities. The ESMP Involves construction, operational and decommissioning phases of the proposed hatchery project respectively. The ESMP will be used as checklist in future environmental audits.

The environmental and social monitoring will involve a continuous surveillance of performance of specific functions during the construction, operation and decommissioning phases of the project.

6.2 Environmental and Social Management and Monitoring Plan (ESMP)

6.2.1 Environmental and Social Management and Monitoring Plan during Construction

No.	Environmental and Social Impact	Proposed Mitigation Measures	Monitoring Indicators	Responsibility	Means of Verification	Time Frame	Est. Cost (KShs.)
1.	Dust Emissions	<ul style="list-style-type: none"> ○ The contractor to carry out regular sprinkling of water to be done on dusty surface ○ The contractor should provide dust masks to all employees involved in the renovation and construction work 	<ul style="list-style-type: none"> No of times in a day watering is done No of employees on site with dust masks 	Contractor Management	Daily Report	1Month	10,000
2.	Noise pollution and Vibrations	<ul style="list-style-type: none"> ○ The contractor to ensure that all construction work to be limited to daytime only ○ The contractor should notify the immediate neighbors in advance on the date of commencement of construction/renovation work. ○ The contractor should provide all employees likely to be exposed to ear noise with ear protectors 	<ul style="list-style-type: none"> ○ No of hours worked in a day ○ No of neighbours notified ○ No of workers with ear noise protectors 	Contractor Management	Site Report	1 Month	10,000
3.	Generation of Solid waste	<ul style="list-style-type: none"> ○ Provide waste collection facilities (waste bins) for the temporary storage of wastes prior to disposal at an appropriate and designated sites. ○ The contractor to liaise with the County government and the local NEMA office for direction on licensed waste collectors and suitable dumping sites for generated wastes. ○ The contractor will also sensitize construction workers on proper management of wastes 	<ul style="list-style-type: none"> ○ No of waste bins on site ○ No of workers sensitized on solid waste management ○ No of site County Government disposal sites 	Contractor Management	Waste Disposal Plan Daily Monitor	1 Month	30,000

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4.	Risk of accidents and workers injuries	<ul style="list-style-type: none"> ○ The contractor should ensure that workers are provided with personal protective equipment and first aid kit ○ The contractor should ensure that all equipment is inspected before use for appropriate safeguards and that the machine operators are trained on machine safety ○ Ensure appropriate safety signs at within the working areas to guide the workers on site. 	<ul style="list-style-type: none"> ○ No of workers having appropriate PPEs ○ No of inspections on machines ○ No of appropriate safety signs in place ○ No of incidences reported 	Contractor Management	Inspection Report Incidence register/report	1 Month	40,000
5.	Risk of spread of COVID-19 by workers on site	<ul style="list-style-type: none"> ○ All workers should be sensitized on COVID-19 prevention measures ○ All workers must wear face masks at all times ○ Avoid concentrating of more than 15 persons or workers at one location and where more than one person is gathered, maintain social distancing at least 2 meters. ○ All workers and visitors accessing worksites every day or attending meetings shall be subjected to rapid Covid-19 screening which may include temperature check and other vital signs ○ Install handwashing facilities with adequate running water and soap, or sanitizing facilities at entrance to work sites including consultation venues and meetings and ensure they are used 	<ul style="list-style-type: none"> ○ No of workers sensitized on COVID-19 ○ No of workers wearing face masks ○ Level of adherence to COVID-19 measures ○ No of workers screened while visiting site ○ No of handwashing facilities on site 	Management MOH	Photos Daily monitor Covid-19 Screening Report	1 Month	20,000

6.2.2 Environmental and Social Management Plan during Operation phase

No.	Environmental and Social Impact	Proposed Mitigation Measures	Monitoring Indicators	Responsibility	Means of Verification	Time Frame	Est. Cost (KShs.)
1.	Generation of solid waste	<ul style="list-style-type: none"> ○ The management should ensure that all liquid waste is channeled to a soak pit ○ The management should ensure recycling and reuse whenever possible ○ The drainage channel should be covered and the mesh paced at the hole discharging the liquid waste out of the room ○ The drainage from the value addition and cooling sections should be connected to the soak pit and checked regularly for leakages 	<p>Level of reduction at source, recycling and reuse</p> <p>No of designated sites for waste disposal</p>	Management	Daily monitor	O&M	n/a
2.	Generation of Liquid waste	<ul style="list-style-type: none"> ○ The management should ensure that all liquid waste is channeled to a soak pit ○ The management should ensure recycling and reuse whenever possible ○ The drainage channel should be covered and the mesh paced at the hole discharging the liquid waste out of the room ○ The drainage from the value addition and cooling sections should be connected to the soak pit and checked regularly for leakages 	<p>Volumes of liquid waste generated</p> <p>Extent of connection of value addition section to soak pit</p>	Management	<p>Waste Management Plan</p> <p>Daily monitor</p>	O&M	To be provided for in annual budget

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3.	Storm water management	<ul style="list-style-type: none"> ○ Water harvesting to reduce the volume of storm water ○ The drainage channels should be kept clean free from solid waste ○ Any stagnant water after the rain should be drained 	<p>No of water harvesting structures in place</p> <p>No of times drainage channels are maintained to ensure there are no blockages</p>	Management	Daily Monitor	O&M	n/a
4.	Increased demand for energy for processing	<ul style="list-style-type: none"> ○ Energy saving bulbs to be used in lighting in offices. ○ Proper ventilation of the premise to ensure optimum natural light during the day. ○ Provide automatically fused control boxes for each item of equipment in the power distribution panel to prevent interruption in case of tripping. ○ Select milk processing equipment with energy-saving features wherever possible ○ The management should consider installation of solar power for heating and lighting 	<p>No of energy saving bulbs</p> <p>No of automatically fused control boxes</p> <p>No of milk processing equipment with energy saving feature</p> <p>No of solar power installed</p>	Management	Energy Use Report Monthly Bills	O&M	To be provided for in annual budgets
5.	Increased demand for water	<ul style="list-style-type: none"> ○ Installing water saving devices such as push taps to be installed to minimize lose. ○ Installation more tanks for roof rainwater harvesting systems to the premise. ○ All workers should be sensitized on appropriate water use and conservation technologies applicable. 	<p>No of water saving devices installed</p> <p>No/capacity of tanks installed to harvest water</p> <p>No of workers sensitized on water use and conservation</p>	Management	Water Use Report Daily Monitor	O&M	To be provided for in annual budget
6.	Occupation Safety and health hazards	<ul style="list-style-type: none"> ○ Ensure workers are provided with personal protective equipment and first aid kit ○ Workers should be sensitized on first aid 	<p>No of workers provided with PPEs</p> <p>No of time equipment are inspected</p>	Management	Daily monitor Report	O&M	

		<ul style="list-style-type: none"> ○ Ensure all equipment are inspected before use for appropriate safeguards and that the machine operators are trained on machine safety ○ Ensure the working hours are controlled and that employees are not allowed to extend the working hours beyond an acceptable limit for purposes of gaining extra pay ○ Ensure appropriate floor surface in the working areas of the premise ○ The premise should be registered with the Director of Occupation Health and Safety ○ The management should ensure that all machines are labelled and have operation manuals ○ There should be register for recording all ailments sickness and accident occurrences ○ Employee should be provided with emergency contacts for rescue teams such as hospital, Red Cross and firefighters. ○ The management should ensure that there is adequate ventilation in the premise 	Type of material used on the floor				
7.	Risk of fire in the facility	<ul style="list-style-type: none"> ○ Ensure that all electric conductors are properly insulated ○ Installing cut out fuses to automatically cut off power in case of a malfunction 	No of automatic cut out fuses No of firefighting equipment at all fire prone locations No of fire assembly points	Management	Fire Risk assessment/inspection report	O&M	n/a

		<ul style="list-style-type: none"> ○ Installing firefighting equipment at all the fire prone locations within the premise ○ Designating a fire assembly point within the premise 					
8.	Risk of milk contamination	<ul style="list-style-type: none"> ○ Use of recommended milk cans for milk transportation and storage ○ All milk handling equipment like milking cans must be cleaned thoroughly before use ○ The working area should be cleaned daily surface contamination ○ No person suffering from any disease in a communicable form or having boils, sores or infected wounds should be allowed to work in in the facility in any capacity where there is a reasonable possibility of food ingredients becoming contaminated by such person or the disease being transmitted to the other employees ○ Through medical examination should be done to all employees prior to their employment and at regular intervals of not more than twelve months in a government medical institution or by medical officer of health and the health certificate and health records of each employee showing the dates and the results of the health examination should be kept at the facility 	<p>No of employees trained on clean milk production</p> <p>No. of farmers using recommended cans</p> <p>No. of times equipment are cleaned</p> <p>No of workers who have undergone medical examination</p>	Management PHO	<p>Daily monitor</p> <p>Medical examination report</p> <p>Communicable diseases incidence report</p>	O&M	To be provided in annual budget

		<ul style="list-style-type: none"> ○ The personnel responsible for identifying sanitation failures or milk contamination should properly be trained to provide a level of competency necessary for the production of clean and safe milk ○ Proper techniques and milk protection principles should be put in place to avoid the danger of poor personal hygiene and insanitary practices 					
9.	Risk of spread of COVID-19 at the premise	<ul style="list-style-type: none"> ○ All employees, transporter delivering milk, processors collecting milk and visitors should wear face masks at all times ○ Avoid concentrating of more than 15 persons or workers at one location and where more than one person is gathered, maintain social distancing of at least 2 meters. ○ All employees and visitors accessing premise every day or attending meetings shall be subjected to rapid Covid-19 screening which may include temperature check and other vital signs ○ Install handwashing facilities with adequate running water and soap, or sanitizing facilities at entrance to work sites including consultation sections and meetings and ensure they are used ○ Ensure routine sanitization of shared social facilities and other communal places routinely including 	<p>No of workers wearing face masks</p> <p>Level of adherence to COVID-19 protocols</p> <p>No of employees/visitors subjected to rapid screening</p> <p>No of hand washing facilities on site</p> <p>No of workers accessing sanitizers</p>	Management	Daily monitor Report Screening Report	O&M	30,000

		wiping of work stations, surfaces, door knobs, hand rails.					
10.	Gender Based Violence at community level	<ul style="list-style-type: none"> ○ Sensitizing the community against GBV ○ Have deterrent/punitive measures for any offenders reported. 	No. of community members sensitized on GBV No of incidences reported	Management	Incidence Report Sensitization Report	Periodic	20,000

6.2.3 Environmental and Social Management Plan during Decommissioning Phase

No.	Environmental and Social Impact	Proposed Mitigation Measures	Monitoring Indicators	Responsibility	Means of Verification	Time Frame	Est. Cost (KShs.)
1.	Generation of waste	<ul style="list-style-type: none"> ○ Waste should be disposed at designated sites approved by the County Government of Kericho and NEMA 	No of waste designated sites	New management Contractor	Site Report	Decommissioning	n/a
2.	Noise Pollution	<ul style="list-style-type: none"> ○ Any noisy source including equipment, machinery or device shall be mitigated by use of appropriate noise suppression equipment such as mufflers ○ The workers will be supplied with on ear mask where applicable to control excessive noise ○ No works during the night to prevent disruption of the neighbouring community 	No of machine fitted with appropriate noise suppression equipment No of workers with ear masks	New management Contractor	Site Report	Decommissioning	n/a

3.	Occupation Health Hazard	<ul style="list-style-type: none"> ○ Ensure workers are provided with personal protective equipment and first aid kit ○ Ensure appropriate road safety signs are strategically placed and drivers adhere to the requirements of such signage ○ All construction sites shall be isolated from the public, customers and internal workers. through temporary scaffolding and fixing appropriate safety signage and information 	No of workers with appropriate PPEs No of appropriate safety signs in place	New management Contractor	Site Report	Decommissioning	n/a
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CHAPTER SEVEN

CONCLUSION AND RECOMMENDATION

7.1 Conclusion

The proposed expansion of milk processing plant by Jonas Foods Limited has significant positive impacts compared to the anticipated negative impacts that has adequately been mitigated as outlined in the ESMMP. The management of the company should endeavor to enhance the positive while implementing the proposed mitigation measure to minimize/reduce the negative impacts arising from the project activities in all the phases of implementation. Similarly, the project design has taken into consideration measures to reduce/ minimize some of the identified negative impacts while ensuring compliance to all the applicable laws, regulations and standards.

Therefore, based on the findings the renovation/construction and installation of milk processing equipment and subsequent operation and maintenance activities will not result into significant negative impacts that can compromise the environmental and social wellbeing as well as the health and safety of the employees and dairy farmers.

7.2 Recommendations

It is the view of the experts that the proposed expansion of milk processing plant by Jonas Food limited be allowed to proceed provided the proposed mitigation measures as outlined in the ESMMP are implemented. The experts recommend the project for approval by the National Environmental Management Authority (NEMA). The expert further recommends annual audits. The proponent should share the ESMMP with the contractor who should prepare and implement the Contractors specific ESMMP. The CPCU and the proponent shall monitor and report on the progress.

REFERENCES

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3. The Occupational Safety and Health Act, 2007, Government Printer, Nairobi
4. World Bank (1991), Environmental Assessment sourcebook volume I: Policies, procedures and cross-sectoral issues. World Bank, Washington.
5. Kenya gazette supplement number 68, Environmental Management and Coordination (Water Quality) Regulations, 2006, Government printer, Nairobi
6. Kenya gazette supplement number 69, Environmental Management and Coordination (Waste management) Regulations, 2006, Government printer, Nairobi
7. Noise Prevention and Control Rules 2005, Legal Notice no. 24, Government Printers, Nairobi
8. The Dairy Act Cap 336, Revised Edition 2012 [1984], Published by the National Council for Law Reporting with the Authority of the Attorney-General www.kenyalaw.org
9. Food, Drugs and Chemical Substances Act Chapter 254, Revised Edition 2012 [1992], Published by the National Council for Law Reporting with the Authority of the Attorney-General www.kenyalaw.org
10. The Energy Act No 1 of 2019
11. The Companies Act, 2015
12. National Bank for Agriculture and Rural Development, 2014 Model Project on milk processing. (10,000LPD)

ANNEXES

Annex 1: Duly Filled ESS Checklist

KCSAP KERICHO COUNTY -ESS SCREENING CHECKLIST

ENVIRONMENTAL AND SOCIAL SCREENING CHECKLIST
ESM PRODUCER ORGANIZATION /PRIVATE FIRM SCREENING
CHECKLIST
(POs/PFs SCREENING PROCESS BY BENEFITTING
COMMUNITIES/AGENCIES)

Section A: Background information

Name of County.....	
Name of CSU/Monitoring Officer/Researcher	
Project location.....	
Name of CBO/Institution.....	
Postal Address:.....	
Contact Person.....	Cell phone:.....
Project Name.....	
Estimated cost (KShs.).....	
Approximate size of land area available for the project.....	
Objectives of the project.....	
Activities/enterprises undertaken.....	
How was the project chosen?.....	
Expected project duration:.....	

Section B: Environmental Issues

Will the project:	Yes	No
Create a risk of increased soil erosion?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create a risk of increased deforestation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create a risk of increasing any other soil degradation	<input type="checkbox"/>	<input checked="" type="checkbox"/>

KCSAP KERICHO COUNTY -ESS SCREENING CHECKLIST

Affect soil salinity and alkalinity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Divert the water resource from its natural course/location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cause pollution of aquatic ecosystems by sedimentation and agro-chemicals, oil spillage, effluents, etc.?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Introduce exotic plants or animals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Involve drainage of wetlands or other permanently flooded areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cause poor water drainage and increase the risk of water-related diseases such as malaria?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reduce the quantity of water for the downstream users?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Result in the lowering of groundwater level or depletion of groundwater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create waste that could adversely affect local soils, vegetation, rivers and streams or groundwater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reduce various types of livestock production?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Affect any watershed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Focus on biomass/bio-fuel energy generation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If the answers to any of the above is 'yes', please include an ESMP with sub-project application.

Section C: Socio-economic Issues

Will the project:	Yes	No
Displace people from their current settlement?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Interfere with the normal health and safety of the worker/employee?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reduce the employment opportunities for the surrounding communities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reduce settlement (no further area allocated to settlements)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reduce income for the local communities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Increase insecurity due to introduction of the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Increase exposure of the community to communicable diseases such as HIV/AIDS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Induce conflict?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have machinery and/or equipment installed for value addition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduce new practices and habits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lead to child delinquency (school drop-outs, child abuse, child labour, etc.?)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lead to gender disparity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

KCSAP KERICHO COUNTY -ESS SCREENING CHECKLIST

Lead to poor diets?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lead to social evils (drug abuse, excessive alcohol consumption, crime, etc.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Section D: Natural Habitats

Will the project:	Yes	No
Be located within or near environmentally sensitive areas (e.g. intact natural forests, mangroves, wetlands) or threatened species? NB: If the answer is yes, the sub-project should not proceed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adversely affect environmentally sensitive areas or critical habitats - wetlands, woodlots, natural forests, rivers, protected areas including national parks, reserves or local sanctuaries, etc.)? NB: If the answer is yes, the sub-project should not proceed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Affect the indigenous biodiversity (flora and fauna)? NB: If the answer is yes, the sub-project should not proceed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cause any loss or degradation of any natural habitats, either directly (through project works) or indirectly? NB: If the answer is yes, the sub-project should not proceed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Affect the aesthetic quality of the landscape?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reduce people's access to the pasture, water, public services or other resources that they depend on?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Increase human-wildlife conflicts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Use irrigation system in its implementation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NB: If the answers to any of the above is 'yes', please include an ESMP with sub-project application.

SECTION E: Pesticides and Agriculture Chemical

Will the sub-project:	Yes	No
Involve the use of pesticides or other agricultural chemicals, or increase existing use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cause contamination of watercourses by chemicals and pesticides?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cause contamination of soil by agrochemicals and pesticides?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Experience effluent and/or emissions discharge?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

KCSAP KERICHO COUNTY -ESS SCREENING CHECKLIST

Export produce? Involve annual inspections of the producers and unannounced inspections?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Require scheduled chemical applications?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Require chemical application even to areas distant away from the focus?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Require chemical application to be done by vulnerable group (pregnant mothers, chemically allergic persons, elderly, etc.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If the answer to the above is 'yes', please consult the IPM that has been prepared for the project.

1) Pest Control Practices

a) Do you use any pesticides to control pests (Insects, diseases, weeds) of crops each season? If yes, name them:

Name of pesticide	Name of pest, disease, weed controlled	Number of times	When did you apply (growth stage or month) purchased	Quantit
		N/A		

If No, WHY?

b) If you use any of the above pesticide types, do you keep records of the:

	Yes	No
Application location		
Date of application	N/A	
Pesticide product trade name		
Operator name		

If No, WHY?.....

KCSAP KERICHO COUNTY -ESS SCREENING CHECKLIST

c) How do you decide when to use the pesticides (tick all that apply)?			
We use pesticides at regular intervals throughout the season (calendar)	N/A		
We use pesticides when we see pests in the field (control)			
We use pesticides after field sampling and finding a certain number of pests or a certain level of damage (scouting)			
Told by someone to apply (specify who.....)			
Other (specify).....			
Tick as applicable	Yes	No	
d) Do you use a knapsack sprayer?			
If Yes,			
Do you own it	N/A		
If No			
Do you rent it			
Do you borrow it			
e) From your experience, are there any negative/harmful effects of using pesticides? Yes/No			
f) If yes, list the negative effects:			
1.			
2.			
3.	N/A		
4.			
5.			
g) Do you use any kind of protective clothing while applying or handling pesticides? Yes/No			
If No Why			
h) If YES, what kind?.....			
N/A			
2) Knowledge of pesticide handling and storage (tick one in each row)			
	Sometimes	Always	Never
a) Do you read labels on the pesticide container before using?			
b) How often do you wear protective clothing and other accessories like nasal mask, eye goggles, and boots when applying the pesticides?	N/A		
c) Do you mix pesticides with your hands?			
d) Do you observe the pre-harvest waiting periods after applying the pesticides?			
e) After spraying, do you wait 12 hours before entering the field?			

KCSAP KERICHO COUNTY -ESS SCREENING CHECKLIST

f) Do you store pesticides in a secure, sound and well-ventilated location?	N/A		
g) Do you make a cocktail before applying the pesticides? (i.e., mix more than one chemical and apply them at once?)	N/A		
h) Where do you store your pesticides?			
Why do you store them there?			
i) What do you do with your pesticide containers after they/are empty?	N/A		
j) Do you know of any beneficial insects (insects that eat harmful insects)? Yes/No			
k) If yes, name them:.....			
N/A			
3) Pesticides and Health			
a) Do you find that pesticide application is affecting the health of: Persons regularly applying pesticides			
	Sometimes	Always	Never
Persons working in fields sprayed with pesticides	N/A		
Persons harvesting the produce	N/A		
4) Options to Pesticides			
a) From your experience, are you aware of other methods for controlling insects' diseases and/or weeds besides pesticides? Yes /No.			
b) If yes, describe these practices:			
N/A			
5) Information			
a) What information do you think you need for improving your crop production and marketing?.....			
N/A			
6. Training			
a) Have you ever received any training on any of the following topics related to crop production?			
	Yes	No	If Yes indicate No. of time/Past years
Integrated Pest Management		N/A	
Pesticide Usage		N/A	
Pesticide Safety		N/A	

KCSAP KERICHO COUNTY –ESS SCREENING CHECKLIST

Insect Identification				N/A
Disease Identification				
Quality aspects of production				
7) Is there anything else that you want us to know about your crop production?				
.....				
.....				
.....				

Section F: Vulnerable and Marginalized Groups meeting requirements for OP 4.10

Are there:	Yes	No
People who meet requirements for OP 4.10 living within the boundaries of, or near the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Members of these VMGs in the area who could benefit from the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VMGs livelihoods to be affected by the subproject?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If the answer to any of the above is 'yes', please consult the VMGF that has been prepared for the project.

Section G: Land Acquisition and Access to Resources

Will the project:	Yes	No
Require that land (public or private) be acquired (temporarily or permanently) for its development?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Use land that is currently occupied or regularly used for productive purposes (e.g. gardening, farming, pasture, fishing locations, forests)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Displace individuals, families or businesses?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Result in temporary or permanent loss of crops, fruit trees and pasture land?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adversely affect small communal cultural property such as funeral and burial sites, or sacred groves?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Result in involuntary restriction of access by people to legally designated parks and protected areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Be on monoculture cropping?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If the answer to any of the above is 'yes', please consult the mitigation measures in the ESMF, and if needed prepare a (Resettlement Action Plan) RAP.

KCSAP KERICHO COUNTY -ESS SCREENING CHECKLIST

Section H: Proposed action

(i) Summarize the above:	(ii) Guidance
<input type="checkbox"/> All the above answers are 'No' <input checked="" type="checkbox"/> There is at least one 'Yes'	<ul style="list-style-type: none"> • If all the above answers are 'No', there is no need for further action; • If there is at least one 'Yes', please describe your recommended course of action (see below).

(iii) Recommended Course of Action

If there is at least one 'Yes', which course of action do you recommend?

- CPCUs and CDE will provide detailed guidance on mitigation measures as outlined in the ESMF; and
- Specific advice is required from CDE¹, Lead Officer and CPCUs regarding sub-project specific EIA(s) and also in the following area(s)
- All sub-project applications/proposals MUST include a completed ESMF checklist. The KCSAP-CPCU and CDE will review the sub-project applications/proposals and the CDEs will sign off;
- The proposals will then be submitted to NPCU for clearance for implementation by communities in the proposed subprojects.

Expert Advice

- The National Government through the Department of Monuments and Sites of the National Museums of Kenya can assist in identifying and, mapping of monuments and archaeological sites; and
- Sub-project specific EIAs, if recommended, must be carried out by experts registered with NEMA and be followed by monitoring and review. During the process of conducting an EIA the proponent shall seek views of persons who may be affected by the sub-project. The WB policy set out in OP 4.01 requires consultation of sub-project affected groups and disclosure of EIA's conclusions. In seeking views of the public after the approval of the sub-project, the proponent shall avail the draft EIA report at a public place accessible to project-affected groups and local NGOs/CSOs.

¹ County Director of Environment and the County Technical Team

KCSAP KERICHO COUNTY -ESS SCREENING CHECKLIST

Completed by: OKAL JACOB
 Position / Community: CBSSCO KCSAP
 Date: 10/03/2021

Field Appraisal Officer (CDE) Valentine Lala

Signature: [Signature] Date

COUNTY DIRECTOR OF ENVIRONMENT
 Kericho County
 P.O. Box 97
 Date: 12/03/2021

Note: Recommended to conduct summary project Report.

Project category	Characteristics
A	Full and extensive ESIA needed- irreversible environmental impacts; impacts not easy to pick or isolate and mitigation cost expensive; ESMP design not easily done; Must have the EIA done and future annual EAs instituted
B	Site specific environmental impacts envisaged; mitigation measures easy to pick, not costly and ESMP design readily done; need an ESIA and future EAs
C	Have minimal or occasionally NO adverse environmental impacts; exempted from further environmental processes save environmental audits

Annex 2: Land Ownership Documents

Our Ref: TBL/PKN/001/rmn

20th November 2020

Terebellum Bottlers Limited,
P.O. Box 14744 - 00800,
NAIROBI.

Dear Sirs,

**RE: TEREPELLUM BOTTLERS LIMITED,- TITLE NO. KERICHO/KAPSOIT/8,
DELIVERY HALL, KERICHO**

We are prepared on behalf of the landlord to enter into a lease, in the form of the Standard Lease, which will include the following terms and conditions:-

1. **Lessor:** Terebellum Bottlers Limited,
P.O. Box 14744 - 00800,
Nairobi.
2. **Lessee:** Jonas Food Company Ltd,
P.O. Box 1349,
Kericho.
3. **Premises:** The premises in Jonas Food Company Ltd, Title No. Kericho/Kapsoit/8, - Kericho, known as Jonas Food Company Ltd on the Delivery Hall covering approximately 36 square feet together with part corridors, staircases, lobbies, toilets known as common areas.
4. **Term:** Term of Six (6) years.
5. **Commencement:** 1st December 2020
6. **Rent:** The monthly rent (excluding S/charge and VAT) without deductions will be as follows:-
 - a) i) Kshs. 15,000.00/= p.m. from 1/12/2020 to 20/12/2022
 - ii) Kshs. 18,000/= p.m. from 1/12/2022 to 20/12/2024
 - iii) Kshs. 21,600.00/= p.m. from 1/12/2024 to 20/12/2026


 TN A J.F

- b) The rent throughout the term shall be payable quarterly in advance.
- c) If the rent or any part thereof shall at any time be unpaid for fourteen days, the lessor will immediately seek recovery of the same through the levying of distress without prejudice to any other right of action or remedy of the lessor in respect of breach of this covenant.

7. Service Charge Rent:

- a. The lessee will pay a service charge rent to cover a reasonable portion (as defined in our standard lease) of the operating expenses of Soin Arcade based on the area of the premises.

Initially the service charge rent is estimated at the rate of **Kshs. TBA/=** per month payable at the same time and in the same manner as the rent and shall be subject to annual review in accordance with the provisions contained in the standard lease.

The operating expenses for the building will be audited after 31st December every year, and any excess expenditure over income apportioned to the lessee based on the area occupied, and credit given for contributions as per clause 7 (b)

- d. The same measures and conditions for enforcement of the recovery of arrears of rent shall apply to the recovery of arrears of the service charge, and/or apportionments.
- e. The service charge will also include (but will not be limited to) a fair proportion (as defined in our standard lease) of the site value tax together with all increase thereon and any other lawful charge, tax or imposition payable in respect of this building.

8. Deposit

Together with the acceptance of this offer, the lessee will pay a deposit equal to rent and s/charge for one initial quarter. This deposit will be retained by the landlord as a security for the due performance of the lessee's obligations under the lease. The deposit is refundable without interest to the tenant after the expiry of the lease and delivery up of the premises in accordance with the covenants contained in the lease.

[Handwritten signatures and initials: A stylized signature, TN, A, J-T]

9. **Guarantee and Indemnity:** A guarantee and indemnity will be required for the due performance of the Lessee's obligations under the lease from **HELEN TOO, JANET CHEMUTAI and TITUS NGENO WAMBUA** which guarantor has signed the duplicate of this letter; being directors of the business leasing the premises.
10. **User:** The premises may only be occupied and used by the Lessee for the provision of milk processing and packaging only. The landlord will however not unreasonably withhold consent for user change.
11. **Sub – letting or assignment:** No assignment, sub-letting or parting with possession of the premises or any part will be permitted without the express written consent of the Lessor which consent will be entirely at the discretion of the Lessor. If the lessee sub-lets the premises without the express written consent of the lessor, the lease agreement will automatically terminate, and the lessee will be compelled to surrender vacant possession of the premises to the lessor with immediate effect.
12. **Rates:** The base year will be 2020 and the proportion to be paid during the lease period will be the increase above what is payable in 2020.
13. **Redecorations:** The lessee will apply a fresh coat of paint to the premises after every two years during the tenure of the lease; the type, emulsion, and colour of such paint shall be the same as existing at occupation.
14. **Partition & Alterations:** No partitions or alterations will be erected or carried out by the lessee without the express written consent of the Lessor except the existing ones: the permission can be denied the lessee at the lessor's discretion. Should the lessee erect or make either partitions or alterations without the Lessor's express written consent then the lease agreement will automatically terminate and the lessee will have to surrender vacant possession of the premises to the lessor.
15. **Restriction of Signs, Notices e.t.c** The placement of any sign, notice, or advertisement so as to be visible from exterior of the premises is prohibited without the landlord's prior consent. Any sign, notice, or advertisement must comply with the landlord's specifications.



- 16. Extension:** The lease will include a provision for extension or renewal of the lease in accordance with terms defined in our standard lease. In addition, the lessee shall be stopped from exercising the said option to renew upon the happening of any one or more of the following events:-
- a) If a cheque for payment of rent or other charges stipulated herein has bounced or been stopped during the tenure of the lease.
 - b) If a distress warrant has been issued against the lessee by the lessor during the tenure of the lease. Further, the lessee will be required to have maintained the premises in a tenable condition by the lessee to the satisfaction of the lessor in order to be permitted to exercise the said option to renew.
- 17. Electricity/Water:** The lessee will meet his/her or its own water and electricity bills and will bear the costs of installing water and electricity meters if not yet provided.
- 18. Legal fees, Stamp duty e.t.c.** The cost of preparing and completing the lease including stamp duty and other disbursements are for the lessee's account.
- These are estimated at **Kshs. TBA** but are subject to a detailed bill from landlord's advocate after completion of lease registration.
- 19. VAT & other statutory charges:** Your rent charges shall be subject to Value Added Tax and such other statutory charges as shall from time to time be prescribed.
- 20. Environmental Law Compliance:** You will comply with and not commit any offence under the provisions of the Environmental Management Co-ordination Act 1999 ("EMCA") and all laws, regulations, directives and codes of practice relating to the protection of the environment or public health and safety or the production, transportation, storage, treatment, deposit or disposal of any substances capable of causing harm to man or any other living organism ("Environmental Laws") applicable to the licensee, or to its business and avoid incurring any liability under any environmental law.

[Handwritten initials/signatures]
 TN A JT

21. Other terms and Conditions

The intended lease will be in the form of the lessor's standard lease and the provisions therein will be binding on the lessee notwithstanding anything to the contrary in this letter which merely briefly outlines some of those provisions.

22. Acceptance:

By the terms of this letter of offer, you are deemed to approve the standard form of lease and agree to execute and return the lease when it is submitted to you. Until the lease is executed by both parties, this letter of offer shall be deemed to be and construed as an agreement for lease enforceable inter parties.

23. Signing of the Lease:

The lease must be executed within thirty (30) days after its delivery to you.

This invitation will remain open for acceptance up 30th December 2020 after which it shall lapse. The invitation is acceptable under the following terms:-

- a) This letter is send to you in triplicate acceptance shall be in writing on the copy of this letter and shall be effective only when the signed duplicates of this letter, together with unconditional payment of the deposits specified hereunder shall be received by us. If such a written acceptance and payment of deposits specified here is not received within the stipulated period, this offer will lapse.
- b) Upon receipt of your confirmation and the deposits required, we will arrange for the lease to be sent to you for execution. The lease must be executed and returned to the landford within thirty (30) days after its delivery to you.

Thank you.

Yours faithfully,
For and on behalf of
TEREBELLUM BOTTLERS LIMITED

PETER NG'ENO

PN *TW @ JT*

FORM OF CONFIRMATION

We confirm that we accept and agree to all the above terms and conditions. We also hereby undertake to execute the lease and counterpart prepared in your standard form within seven (7) days of presentation to us.

As requested, we enclose our cheque payable in your favour for **Kshs. 62,100.00** in respect rent, estimated legal fees, stamp duty and other disbursements.

Rent: 1 st December 2020-----	Kshs. 15,000.00
S/charge: TBA-----	Kshs. -
14% V A T -----	Kshs. 2,100.00
3 Months Security deposit-----	Kshs. 45,000.00
Legal fees -----	Kshs. 000.00
Total -----	Kshs. 62,100.00

Amount payable----- Kshs. 62,100.00

(WORDS: KENYA SHILLINGS SIXTY TWO THOUSAND ONE HUNDRED ONLY)

Dated this 26th day of November 2020.

Signed by



PETER NG'ENO
For and on behalf of
TEREBELLUM BOTTLERS LIMITED



GUARANTEE BY THE DIRECTORS

I, **HELLEN TOO**, of P.O. BOX 1349-00800, KERICHO, ID No. 10887876
hereby agree to guarantee the due performance by the lessee of his/their/ its obligations under the lease to be prepared by the lessor's advocates and to indemnify the lessor against any loss or damage incurred by the lessor due to the lessee's failure to fulfil such obligations. I undertake to execute the necessary guarantee and indemnity.

HELLEN TOO



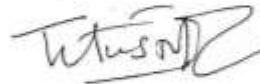
I, **JANET CHEMUTAI**, of P.O. BOX 1349-00800, KERICHO, ID No. 21955914
hereby agree to guarantee the due performance by the lessee of his/their/ its obligations under the lease to be prepared by the lessor's advocates and to indemnify the lessor against any loss or damage incurred by the lessor due to the lessee's failure to fulfil such obligations. I undertake to execute the necessary guarantee and indemnity.

JANET CHEMUTAI



I, **TITUS NG'ENO**, of P.O. BOX 1349-00800, KERICHO, ID No. 34328177
hereby agree to guarantee the due performance by the lessee of his/their/ its obligations under the lease to be prepared by the lessor's advocates and to indemnify the lessor against any loss or damage incurred by the lessor due to the lessee's failure to fulfil such obligations. I undertake to execute the necessary guarantee and indemnity.

TITUS NG'ENO



Annex 3: Minutes of Public Participation

**MINUTES OF PUBLIC PARTICIPATION FOR THE PROPOSED
ESTABLISHMENT AND OPERATION OF MILK PRODUCTS PROCESSING
FACILITY BY JONAS FOODS COMPANY**

Date: 18th October, 2021

Agenda:

1. Opening and Welcoming remarks by the Chair
2. Introductory Remarks by the Expert
3. Objective of the Meeting – Expert
4. Briefing on the Process
5. Impacts identification and solution
6. Support of the project
7. AOB

Attendance:

(List attached)

Min. 1/Jonas- 1/11/2021: Opening and Welcoming Remarks by Chairperson

The Chairperson called the gathering to order at 10.30 am. The meeting started by a word of prayer from Joyce Chepkirui.

Min. 2/Jonas-2/11/2021: Objectives of the Meeting

This was led by the Environment Expert, Mr. Paul Karanja. He first gave a brief background of EIA and what the law requires for such projects. He said that the public participation is a key component of the licensing process by NEMA and that the proposed project would require their comments and inputs as part of the process.

Min. 3/Jonas-3/11/2021: Briefing on the Process

The expert explained that the proponent had engaged the services of environmental experts to conduct the study. He requested the participants to give their input regarding the proposed project. He outlined how the exercise was to be conducted. This session was conducted through “question and answer” approach in-order to get precise answers. The ESIA Expert used a checklist of issues that helped in probing.

Answers were provided in the following areas:

- Official name of the participant

- Project awareness
- Knowledge of Impacts
- Suggested mitigation measures
- Support of project

Min. 4/Jonas-4/11/2021: Impacts Identification and solution

The Expert led the community in discussion on possible impacts associated with implementation of the project. The impacts were identified and mitigation measures suggested. Some key issues raised and possible mitigation measures suggested include the following:

One of the arising questions was from Agness Chepkoech who wanted to know how the wastewater management will be incorporated in the proposed project. The Expert replied that the premise had been existing for long and that there was an existing septic tank. The issue of increased generation of wastewater was addressed.

The landlord replied by explaining that all other operations at the compound were dry operations (Unga milling). The septic tank was therefore not at risk of experiencing frequent filling.

Min. 5/Jonas-5/11/2021: Support of the project

Mr. Ezekiel Rono requested the project to commence as soon as possible for the benefit of the community. The expert replied that the project was ensuring compliance with the legal requirements first before the project could be licensed. He reminded the participants that NEMA was to review the project and make a record of decision before having the project approved.

All the respondents supported the proposed project siting job creation. There was no objection from a single participant.

Min. 6/Jonas-6/11/2021: AOB

There being no other business the meeting ended at 11.30 a.m.

Signed



Paul Muhia (Expert)

Date: 18/10/2021

Annex 4: Copies of attendance list during Public participation

ESIA PUBLIC PARTICIPATION FOR PROPOSED ESTABLISHMENT AND OPERATION OF MILK PRODUCTS PROCESSING FACILITY BY JONAS FOODS COMPANY ON PLOT L.R NO. KERICHO/KAPSOIT/8 IN KAPSOIT, KERICHO COUNTY

DATE: 18th October 2021

ATTENDANCE LIST


NO.	NAME	CONTACTS	SIGNATURE
1.	Kipngetch Chemuyot	07281652150	
2.	SUSANA C RUTO	0711265793	
3.	Selly C. Massin	0913859986	
4.	Simon K.S	0710781403	
5.	Agnor Chepkoech	0729040941	
6.	Joseph Kiprotich	0722682020	
7.	Vincent Kipngetch	0743220260	
8.	CHARLES K. TONDUI	0910417651	
9.	William Langong	0723242483	
10.	JULIUS K MELT	0729329120	
11.	Ezrael RondoA	0720039258	
12.	Ammy A.O	0785008828	
13.	Kipkireu Hillary	0754066151	
14.	Joyce Chepkirui	0725653557	
15.	Benson Limona	07324776521	
16.	DONALD LANGAI	0728785507	
17.	JOSEPH WATIS	0752733572	
18.	Irene Chepkirui	0705853290	
19.	Kipsang Malel	0704482957	
20.	Letting K. James	07018553240	
21.	LYDIA CHEPKOECH	0740064507	
22.	Mercy Chemato Kembai	-	
23.	Samuel Chemuyot	0721975092	

Annex 5: Sample Stakeholder consultation checklist

STAKEHOLDERS/PUBLIC CONSULTATION CHECKLIST

Name of project: *The Proposed Expansion Of Milk Processing Plant By Jonas Food Limited At Kapsoit Center, Kapsoit Ward, Ainamoi Sub County, Kericho County*

No.	Topic/Questions	Responses (Comments, Concerns and recommendation)
1.	As far as your institutional roles, functions and responsibilities are concerned, what do you think should be taken into consideration during the construction and operation of the proposed project?	<ul style="list-style-type: none"> • Construction should not start until plans have been approved. • The dairy plant must be approved by the KDB inspector before it can begin operating. • Before and during construction the dairy inspector will have to work closely with the processor to ensure that all regulatory requirements are met • All the licensing, certifications and fees must also be complied with. • Choose a suitable location. • Build the facility by starting with the essentials and make allowance for expansion. • Accessibility with trucks for delivery of supplies and shipping of finished products must be taken into account. • Drainage should also be considered (how wash water from the plant is going to be handled). • Sewerage service should also be considered • Develop standard operating procedures • Consider visiting different processing plants to gather ideas and knowledge for your business. • Consider the shelf life of your products and how you intend to sell the products.
2.	What are your comments/suggestions/recommendations with regard to the proposed project?	<ul style="list-style-type: none"> • What value added dairy products do you want to produce? • Keeping milk cold and using clean equipment to transport the milk are important food safety concepts • All packaging materials and containers must be made of food grade material. • Conduct market research
3.	Any other aspect you would like to share for the proposed project?	<ul style="list-style-type: none"> • Storage of finished products, ingredients, packaging materials, containers and chemicals must be done to avoid contamination by harmful substances and in a clean dry place • Rodents and pest control is very important. • Use of tobacco in the dairy facility is prohibited. • Anyone working in the facility should ensure that hair and beard are covered and that clean clothes and footwear are essential. • Sanitizing foot bath should be provided at the entrance of the plant. • Consider labeling (brand name and design). • Proper cooling is required for all dairy products to help limit bacterial growth

Name David Tonui Institution AGRIC, LIVESTOCK, FISHERIES DEP
 Position County Director Livestock Sign 

Annex 6: Sample of duly filled questionnaire

EIA Questionnaire for Jonas Foods Co. Ltd

Questionnaire
Environmental & Social Impact Assessment for the proposed Establishment and Operation of
Milk Products Processing facility by Jonas Foods Company on Plot L.R No.
Kericho/Kapsoit/8 in Kapsoit, Kericho County

The EIA and EA Regulations 2003 requires that public participation and consultations be carried out during Environmental Impact Assessment and Audits for proposed and ongoing projects. Jonas Foods Company Limited wishes to conduct an Environmental Impact Assessment (EIA) for the proposed establishment of milk products processing facility at Kapsoit. In order to ensure environmental sustainability for the project, the management wishes to meet the requirements of Environmental Management and Coordination Act (1999) under the jurisdiction of National Environment Management Authority (NEMA). This questionnaire is therefore intended for your objective views on the project to enable the EIA expert compile a report for decision making by NEMA. Your response will be valuable and will be treated with utmost confidentiality.

Questions

1. Are you a worker or a local resident of the area? (Yes) (No)

2. Are you aware of the establishment of the proposed project by Jonas Foods Company Ltd?
 a) Yes
 b) No

3. What positive impacts/benefits do you think may arise as a result of the proposed project?
 a) They create opportunities for jobs
 b) They create employment in our companies
 c) They create good business in our resident
 d) They may be give information in our community

4. Do you foresee any negative Environmental or Social impacts that will arise as a result of this project during all its stages?
 (Yes) (No) If yes, Kindly list them
 (a).....
 (b).....
 (c).....

5. If your answer in (4) above is yes, what do you suggest should be done to mitigate the impacts?

6. In your own opinion should the proposed project be allowed to continue? (Yes) (No)
 If No, Kindly indicate your reason(s)

pg. 1

EIA Questionnaire for Jonas Foods Co. Ltd

I confirm that the information provided herein is correct to the best of my knowledge

Respondents Details

Name: Kipng'etich Cheruget Contacts: 07281120 07281652150
Residence: Kapsot Signature: [Signature]

EIA Questionnaire for Jonas Foods Co. Ltd

Questionnaire

Environmental & Social Impact Assessment for the proposed Establishment and Operation of Milk Products Processing facility by Jonas Foods Company on Plot L.R No. Kericho/Kapsoit/8 in Kapsoit, Kericho County

The EIA and EA Regulations 2003 requires that public participation and consultations be carried out during Environmental Impact Assessment and Audits for proposed and ongoing projects.

Jonas Foods Company Limited wishes to conduct an Environmental Impact Assessment (EIA) for the proposed establishment of milk products processing facility at Kapsoit. In order to ensure environmental sustainability for the project, the management wishes to meet the requirements of Environmental Management and Coordination Act (1999) under the jurisdiction of National Environment Management Authority (NEMA).

This questionnaire is therefore intended for your objective views on the project to enable the EIA expert compile a report for decision making by NEMA. Your response will be valuable and will be treated with utmost confidentiality.

Questions

1. Are you a worker or a local resident of the area? (Yes) (No)

2. Are you aware of the establishment of the proposed project by Jonas Foods Company Ltd?

- a) Yes
- b) No

3. What positive impacts/benefits do you think may arise as a result of the proposed project?

- a) Enhanced employee morale
- b) Enhanced income with stable, regular and investor
- c) Resource conservation
- d) Improved environmental performance

4. Do you foresee any negative Environmental or Social impacts that will arise as a result of this project during all its stages?

(Yes) (No) If yes, Kindly list them

- (a)
- (b) NO
- (c)

5. If your answer in (4) above is yes, what do you suggest should be done to mitigate the impacts?

-
-


6. In your own opinion should the proposed project be allowed to continue? (Yes) (No)
If No, Kindly indicate your reason(s)

-

EIA Questionnaire for Jonas Foods Co. Ltd

I confirm that the information provided herein is correct to the best of my knowledge

Respondents Details

Name: KIPHIQUI HILLART Contacts: 0757066151
Residence: KAPSOIT Signature: 

EIA Questionnaire for Jonas Foods Co. Ltd

Questionnaire
Environmental & Social Impact Assessment for the proposed Establishment and Operation of
Milk Products Processing facility by Jonas Foods Company on Plot L.R No.
Kericho/Kapsoit/8 in Kapsoit, Kericho County

The EIA and EA Regulations 2003 requires that public participation and consultations be carried out during Environmental Impact Assessment and Audits for proposed and ongoing projects. Jonas Foods Company Limited wishes to conduct an Environmental Impact Assessment (EIA) for the proposed establishment of milk products processing facility at Kapsoit. In order to ensure environmental sustainability for the project, the management wishes to meet the requirements of Environmental Management and Coordination Act (1999) under the jurisdiction of National Environment Management Authority (NEMA). This questionnaire is therefore intended for your objective views on the project to enable the EIA expert compile a report for decision making by NEMA. Your response will be valuable and will be treated with utmost confidentiality.

Questions

1. Are you a worker or a local resident of the area? (Yes) (No)

2. Are you aware of the establishment of the proposed project by Jonas Foods Company Ltd?
 a) Yes
 b) No

3. What positive impacts/benefits do you think may arise as a result of the proposed project?
 a) Proper waste disposal
 b) Eradicate environmental pollution
 c) New customers/markets of yoghurt
 d) Increased efficiency/reduced costs

4. Do you foresee any negative Environmental or Social impacts that will arise as a result of this project during all its stages?
 (Yes) (No) If yes, Kindly list them
 (a)
 (b) N/A
 (c)

5. If your answer in (4) above is yes, what do you suggest should be done to mitigate the impacts?
 N/A

6. In your own opinion should the proposed project be allowed to continue? (Yes) (No)
 If No, Kindly indicate your reason(s)

EIA Questionnaire for Jonas Foods Co. Ltd

I confirm that the information provided herein is correct to the best of my knowledge

Respondents Details

Name: AMROY.....Contacts: 0185 00 88 28.....
Residence: ASAPOT.....Signature: [Signature].....

EIA Questionnaire for Jonas Foods Co. Ltd

Questionnaire

Environmental & Social Impact Assessment for the proposed Establishment and Operation of Milk Products Processing facility by Jonas Foods Company on Plot L.R No. Kericho/Kapsoit/8 in Kapsoit, Kericho County

The EIA and EA Regulations 2003 requires that public participation and consultations be carried out during Environmental Impact Assessment and Audits for proposed and ongoing projects. Jonas Foods Company Limited wishes to conduct an Environmental Impact Assessment (EIA) for the proposed establishment of milk products processing facility at Kapsoit. In order to ensure environmental sustainability for the project, the management wishes to meet the requirements of Environmental Management and Coordination Act (1999) under the jurisdiction of National Environment Management Authority (NEMA). This questionnaire is therefore intended for your objective views on the project to enable the EIA expert compile a report for decision making by NEMA. Your response will be valuable and will be treated with utmost confidentiality.

Questions

1. Are you a worker or a local resident of the area? (Yes) (No)
2. Are you aware of the establishment of the proposed project by Jonas Foods Company Ltd?
 - a) Yes
 - b) No
3. What positive impacts/benefits do you think may arise as a result of the proposed project?
 - a)
 - b) *pollution prevention*
 - c) *enhancement of compliance*
 - d) *erios new market and tam customers*
4. Do you foresee any negative Environmental or Social impacts that will arise as a result of this project during all its stages?
 (Yes) (No), If yes, Kindly list them
 - (a)
 - (b) *ND*
 - (c)
5. If your answer in (4) above is yes, what do you suggest should be done to mitigate the impacts?

NB
6. In your own opinion should the proposed project be allowed to continue? (Yes) (No)

If No, Kindly indicate your reason(s)

EIA Questionnaire for Jonas Foods Co. Ltd

I confirm that the information provided herein is correct to the best of my knowledge

Respondents Details

Name: William Long.....Contacts: 0723242483.....
Residence: Karibuni.....Signature: [Signature].....

Annex 7: Duly Filled Key Informant Checklist

PUBLIC PARTICIPATION KEY INFORMANT INTERVIEW CHECKLIST

Name of Project KCSAP - EIA
 Name of Inyerviewer DKAL Designation _____
 Date of Interview 11/11/2021

Checklist Items	Response		Action Required
	Yes	No	
A Design & facilities			
Design provide adequate working space	✓		
Design permit maintenance and cleaning	✓		
Design prevent entry of dirt, dust and pests.	✓		
The internal structure & fittings are made of non-toxic and impermeable material.	✓		
Walls, ceilings & doors are free from flaking paint or plaster, condensation & shedding particles.	✓		
The walls and ceilings painted in light colours and kept clean?	✓		
Floors are non-slippery & sloped appropriately.	✓		
Windows are kept closed & fitted with insect proof screen when opening to an external environment.	✓		
Doors are close fitted at all ends to avoid entry of pests.	✓		
Premise has sufficient lighting.	✓		
Adequate ventilation is provided within the premises.	✓		
B Milk Reception, storage and processing			
Milk inspected at the time of receiving for quality	✓		
Milk inspected at the time of receiving for food safety hazards	✓		
Raw milk brought to dairy plant reaches the plant within 4 hours from milking and is cooled to 5°C or lower as quickly as possible.	✓		
The cooling system capable of cooling the milk to below 6°C within 2 hours and of maintaining a storage temperature of 2 - 4°C?	✓		
The milk storage equipment of sufficient capacity to store all milk produced under hygienic & temperature controlled conditions?	✓		
The bulk tank, internal and external ancillary equipment and fittings maintained / serviced so as to be in good physical / operational condition and in a clean and hygienic state?	✓		
The bulk tank is washed and inspected after emptying milk to ensure that it is clean?	✓		
The milk collection area maintained in a clean and hygienic state?	✓		
Milk processing equipment cleaned after use	✓		
C Personal Hygiene			
Personnel hygiene facilities are available (Adequate number of hand washing facilities, toilets, bathroom and change rooms,)	✓		
Medical examination conducted on food handlers after every six months	✓		

No person suffering from a disease or illness or with open wounds or burns is involved in handling of food or materials which come in contact with food	✓		
There an adequate supply of cool and safe drinking water at convenient places in the factory and away from the toilets	✓		
Soap, running water and clean towels are available in the washrooms	✓		
There is a separate toilets for men and women	✓		
The toilets are regularly cleaned and are close to the working areas	✓		
The toilets are properly illuminated	✓		
D Occupation Health and Safety Measure			
The premise have a written occupational safety and health (OSH) policy	✓		
There is a separate budget available for implementing the OSH policy	✓		
The copies of the policy displayed in the premise	✓		
The management and workers are aware of the provisions of these OSH regulations	✓		
All workers have been sensitized on health and understands the provisions of the policy	✓		
Copies of these OSH regulations available for management and workers to consult	✓		
The labour Inspectorate have visited the workplace in the last 12 months	✓		
Provides personal protective equipment(PPE) to all workers	✓		
Personnel have been trained in the use of personal protective equipment	✓		
There are properly equipped first-aid kits available with a full list of contents	✓		
All employees are insured against occupational health risks	✓		
There is an occupational accident/illness book on site that records all workplace accidents and ill health	✓		
E Waste management			
Has a waste disposal pit within the premise	✓		
Provided waste bins with lids for solid waste disposal	✓		
Has septic tank for all liquid waste	✓		
Established appropriate drainage system for storm water	✓		
Solid waste are removed from the premise to designated site twice a week	✓		
F Electricity Safety			
All plugs, sockets and electrical fittings are sufficiently robust for use in the premise	✓		
All electrical fuse/junction boxes in the factory are securely fixed, closed and undamaged	✓		

Fuses, circuit breakers and other electrical devices are correctly rated for the circuit they protect	✓		
Access to fuse boxes is prevented and the key held by a responsible person	✓		
The main switches are readily accessible and clearly identified, with all workers knowing how to use them in an emergency	✓		
All electrical installations checked periodically and repairs carried out by a competent electrician	✓		
There are cables or wires without proper casing, found in the factory	✓		
Electrical wires are improperly spliced or taped	✓		
All electrical equipment are properly grounded to prevent electrocution or fire	✓		
Electrical wires are found in damp areas or standing water	✓		
All visible electrical wires are securely fixed	✓		
G General Workplace Safety			
The facility is generally clean and tidy	✓		
Dirt and rubbish removed on a regular basis	✓		
The floors are washed and swept on a regular basis	✓		
Worktables and benches kept clear of unnecessary items	✓		
Floor surfaces are non-slip (i.e. free of water, oil and other liquid spills) and in good condition	✓		
H Fire safety			
The factory have an emergency plan in case of fire or other emergency	✓		
There are enough fire exits and in the correct location for all workers to escape in the case of an emergency	✓		
There fire alarms within the premise	✓		
All workers know how to operate the fire alarm system	✓		
There are clear instructions, strategically placed, reminding workers on how to operate the fire alarm system	✓		
All workers have been trained in using the means of escape	✓		
Are all exit doors labelled/lit, unlocked and designed to open outwards	✓		
There sufficient extinguishers sited throughout the premise	✓		
The extinguishers are suitable for the type of fire (e.g. class A and B) and of sufficient capacity	✓		
The right types of extinguishers are located close to the fire hazards and users can gain access to them without exposing themselves to risk	✓		
The locations of extinguishers and fire hoses clearly identified and unobstructed	✓		
Key personnel have been trained in the correct use of these extinguishers and fire hose?	✓		

	The fire extinguishers are fully checked and tested periodically by an external competent authority	✓		
	The premise has automatic sprinkler system	✓		
	If Yes above does it have a separate water supply and is it tested regularly	✓		
	Smoking is prohibited in all working areas and "No Smoking" signs posted clearly and prominently throughout the factory?	✓		
I	COVID -19 Safety Measure			
	Installed handwashing equipment at strategic point within the premise	✓		
	Provides hand sanitizers to all employees	✓		
	Conduct rapid test (temperature and vital signs) for COVID-19 for all employees and visitors	✓		
	Employees have been sensitized on COVID-19	✓		
	Posters on prevention of COVID-19 displayed in strategic places within the premise	✓		
J	Farmers Welfare			
	Payment for milk delivery made promptly	✓		
	Offer credit to farmers based on milk delivery records	✓		
	Provide inputs to farmers	✓		
	Have farmers dues	✓		
K	Staff Welfare			
	Employees are adequately remunerated	✓		
	Employees are paid promptly	✓		
	Employees allowed annual leave	✓		
	Have employees dues	✓		
	All workers have Health insurance cover	✓		
	All workers has NSSF	✓		
	Have in place retirement plan for employees	✓		
L	Other			

Name of the Person Interviewed Titus NGENO
 Date 11/11/2021

Position Director
 Signature [Handwritten Signature]

Annex 8: List of Stakeholders consulted

No.	Stakeholder	Number consulted	Relevance
1.	Directors	1	Ensures that the strategic objectives, as contained in the company's plan, are achieved; and that all monitoring, evaluation and financial controls remain in place and are upgraded regularly.
2.	Employees	4	Ensure the day to day operations of the company
3.	Transporters	6	Transporting milk collected from the farmers to the societies premise.
4.	Department of Livestock	1	Provision of livestock extension services (quality milk production)to farmers who supply milk to the company
5.	Kenya Dairy Board	1	It involves enforcement of the Dairy Industry Act CAP 366. It conducts inspection and licensing of milk handling premises and surveillance on the quality and safety of milk and milk products along the dairy value chain. It also supports the development of the Kenyan dairy industry through capacity building of stakeholders and trade facilitation for improved milk production and productivity, value addition, compliance and market access
6.	Dairy Farmers	12	Supplies of milk to the company
	Total	25	

Annex 10: Single Business Permit

51358
 2021
 31-12-2021
 YEAR: 2021

Permit No: 261566/2021





REPUBLIC OF KENYA
COUNTY GOVERNMENT OF KERICHIO
AINAMOI
 GRANTS THIS SINGLE BUSINESS PERMIT TO

Business Name: JONAS FOODS CO.LTD		Business No: BC261566
Certificate of Registration No/ID No: CPR/2014/149805	Pin No: P051472242V	VAT No:
Customer Name: JONAS FOODS CO. LTD		

To engage in the activity/business/professional of occupation of :
Business Activity:
 SMALL AGRICULTURE PRODUCER,PROCESSOR,DEALER,EXPORTER UPTO 10EMPLOYEES
Activity Code: 415 - (MILK PRODUCTS PROCESSING)
Ksh (In Words): **Eight Thousand Shillings Only (8,000.00/=)**

Business under this Single Business Permit shall exclusively be conducted at the address as indicated below :

P.O Box: 1349 KERICHIO	Postal Code: 20200	Physical Address: KAPSOIT
Plot No: UNS	Phone: 0522039996	Email:

Valid From:
 Date of Issue:
18-03-2021

Name & signature of Issuing Officer
BENARD BETT



(COUNTY GOVERNMENT OF KERICHIO)

Expiry Date:
31-12-2021

Name & signature of Authorized Officer




NOTICE : Granting this Single Business Permit DOES NOT EXEMPT the Business identified above from complying with regulations on Health and Safety as established by the Government Of Kenya and the COUNTY GOVERNMENT OF KERICHIO.

Annex 11: Kenya Bureau of Standards (KEBS) Certification

ORIGINAL FORM STA/2 (R.4)

PERMIT TO USE THE STANDARDIZATION MARK
THE STANDARDS ACT (CAP. 496 OF THE LAWS OF KENYA)

PERMIT IS GRANTED TO :

NAME OF FIRM: JONAS FOOD COMPANY LTD STANDARDIZATION MARK NO. : 25234

POSTAL ADDRESS: P.O BOX - 1349 KERIGHO EFFECTIVE FROM: 2018-05-03
20200 EXPIRES ON: 2022-05-02

PHYSICAL ADDRESS: KIE GODOWN-BLOCK 2, KERIGHO DATE OF ISSUE: 2021-03-24

TELEPHONE NO.: 0522-039996

FAX NO. : _____

E-MAIL ADDRESS: jonasfoodscompany@gmail.com

to use the standardization mark specified in the first row hereunder upon and in respect of the commodity and brand specified in the second and third rows there of, which commodity conform to the standard specification in the fourth row.

1 STANDARDIZATION MARK



2 DESCRIPTION OF THE COMMODITY UPON WHICH THE STANDARDIZATION MARK IS TO BE USED

YOGHURT

3 BRAND NAME

JONAS

4 STANDARD SPECIFICATION (Number and Title)

KS EAS 33 :2019 EAST AFRICAN STANDARD SPECIFICATION FOR YOGHURT.

NOTE 1. EVERY PERMIT HOLDER SHALL PAY AN ANNUAL FEE IN RESPECT OF EACH PERMIT GRANTED OR RENEWED

NOTE 2. THIS PERMIT IS ISSUED SUBJECT TO THE CONDITIONS SET OUT OVER LEAF

[Signature]
MANAGING DIRECTOR / AUTHORIZED OFFICER
KENYA BUREAU OF STANDARDS




Kenya Bureau of Standards

Cert-01

ORIGINAL

Kenya Bureau of Standards
P.O Box 54974-00200
NAIROBI
Tel: (+254 020) 6948000
info.metrology@kebs.org
Website: www.kebs.org



Calibration Certificate

Page...1...of...2...pages

REQUESTED BY	: Jonas Foods Company Limited
ADDRESS	: P.O Box 1349 Kericho
EQUIPMENT	: Liquid-in glass Thermometer
MANUFACTURER	: Sita Research
MODEL/TYPE	: Liquid-in Glass
SERIAL NO.	: -
CALIBRATION LABEL NO.	: 64334
LAB. NAME	: SRRCL
DATE	: 2021-03-15
CERTIFICATE NO.	: BS/SRR/MET/21/3/1/329



- 1.0. **STANDARDS/EQUIPMENT USED**
Isotech standard platinum resistance sensor and Additel multifunction calibrator type 221A were used in the calibration of the thermometer by comparison.
- 2.0. **CALIBRATION PROCEDURE**
The thermometer was calibrated as per KEBS procedure document No. MET-04-OP-01 - Contact Thermometers – Liquid-In-Glass, Digital & Dial Gauge Thermometers
- 3.0. **TRACEABILITY**
This calibration certificate documents traceability to the National Standards, which realize units of measurement according to the International System of Units (SI). KEBS is a signatory of the CIPM Mutual Recognition Arrangement (CIPM MRA) and where there is no published CMCs, KEBS has documented the traceability of the standard equipment used.
- 4.0. **VALIDITY**
This certificate is valid until **March, 2022**.

Calibrated by: V.Nyagara	Date: 2021-03-15
Checked by: <u>B. RONOH</u>	Date: <u>2021-03-19</u>
Signed: <u>[Signature]</u>	Date: <u>2021-03-22</u>

For: Director Metrology and Testing

Calibration certificate without signature and official stamp is not valid. This certificate has been issued without any alteration and may not be reproduced other than in full except with the approval of the Managing Director KEBS.
If undelivered please return to the above address.

Annex 12: Dairy Board License

Serial No. A **11389**

FORM 2

KENYA DAIRY BOARD

LICENCE TO PRODUCE/PROCESS/SELL/DISPOSE OF DAIRY PRODUCTS

LICENCE NO.: 00683/2020

CATEGORY: Cottage Industry License

SERIAL NUMBER: 90482



Name: Jonas Food Company Limited
 Postal Address: 1349 KERICHO
 Telephone Number: 0703388278

Station: KERICHO
 Physical Address: Wanjohi
 Email: jonasfoodscompanyltd@gmail.com

Is hereby licensed to produce/process/sell/dispose of the quantities of dairy produce specified in column 1 of the schedule to this licence of the person(s) or class of persons specified in column 2 of the said schedule within the area specified in column 3 of the said schedule for the period(s) specified in column 4 of the said schedule subject to the following terms and conditions:-

1. The Kenya Dairy Board reserve the right to modify or vary this licence from time to time upon giving to the licensee thirty (30) days previous notice in writing.
2. This licence is subject to immediate cancellation if the Board is satisfied that there has been any material error or omission in the facts stated in the application.
3. This licensee is subject to immediate cancellation if the licensee is in default in the payment of any cess or other sums due to the Board or arising from any contractual arrangements with producers or their agents.
4. This licence is liable to immediate cancellation if the licensee contravenes any of the conditions of the licence or otherwise acts in contravention of the Dairy Industry (Sales by Producers) Regulations, 2004.
5. This Licence is subject to the licensee holding a valid Local Authority Registration or Licence where applicable

SCHEDULE

Nature of Dairy Produce	Quantity Per Day	For Sale to Whom (Wholesale or Retail)	Area	Period
Pasteurized milk	300 Litres	wholesale and retail	Kericho	One Year

BY ORDER OF THE KENYA DAIRY BOARD


EXPIRY DATE: 05/07/2021

DATE OF ISSUE: 24/07/2020

For Kenya Dairy Board

FORM REF	F-06-02	ISSUE	3	REVISION	0
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Annex 13: Sample of Staff Medical Examination


COUNTY GOVERNMENT OF KERICHO
DEPARTMENT OF HEALTH SERVICES


REF: MED/CERT/VOL. 2/SAN.....

SUBCOUNTY PUBLIC HEALTH
AINAMOI SUB-COUNTY
P.O BOX 1515 - 20200
DATE: 18/8/2021.....

The following food handlers underwent medical examination at our health facility to ascertain their health status to enable them to work at JONAS FOODS - KAPSOT
As a mandatory requirement under Public Health Act Cap 242 Laws of Kenya.

Medical certificates are currently out of stock and will be issued once available.

1.	<u>ANNY ADUYO</u>	ID-37981057	Phone - 0725706107
2.	<u>SUSAN AYOMA</u>	ID-25077112	- 0705513012
3.	<u>SANDRA CHEPKEMOI</u>	ID-3605520	- 0725320478
4.	<u>HILLARY KIPKURU</u>	ID-35259096	- 0759066151
5.	<u>ABEDNEGO MAGUI</u>	ID-37878480	- 0725449090
6.	<u>JOYCE CHEPKURU</u>	ID 21274740	- 072565557
7.			
8.			
9.			
10.			


BERNARD RONO
PUBLIC HEALTH OFFICER - AINAMOI
P. O. BOX 1515 - 20200

Annex 15: Layout and Design Drawings of the processing plant

Annex 15.1: Equipment Selection for a Pre-Fab Milk Processing Unit at Jonas Foods

1.



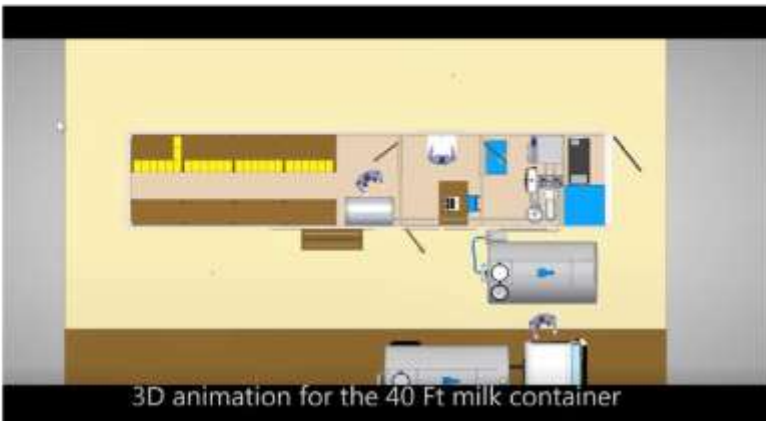
Front Elevation of the pre-fabricated processing unit

2.



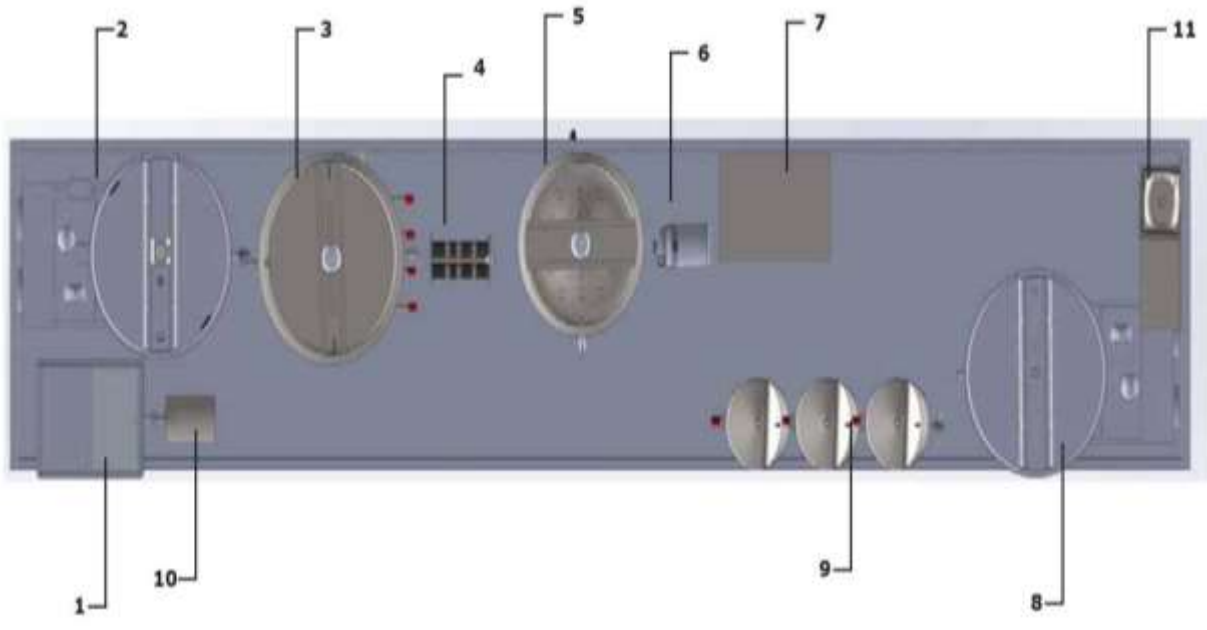
Rear Elevation of the milk processing unit

3.



Plan view of the pre-fabricated milk processing unit

Annex 15.2 Yoghurt processing plant inside A 40FT Container



LEGEND:

- 1- Milk reception and weighing tank
- 2- Milk cooling tank
- 3- Pasteurizer tank
- 4- PH. Exchanger
- 5- Yoghurt fermentation and filling tank
- 6- Diaphragm pump
- 7- Working Table
- 8- Ice water tank
- 9- CIP Station
- 10- Centrifugal pump
- 11- Wash basin

Annex 15.3 Key Equipment for the expansion of the milk processing at Jonas Foods Limited



Pasteuriser tank



Milk Cooling Tank



Milk Pump



PH Exchanger



Diaphragm pump



Milk reception and weighing tank



CIP station

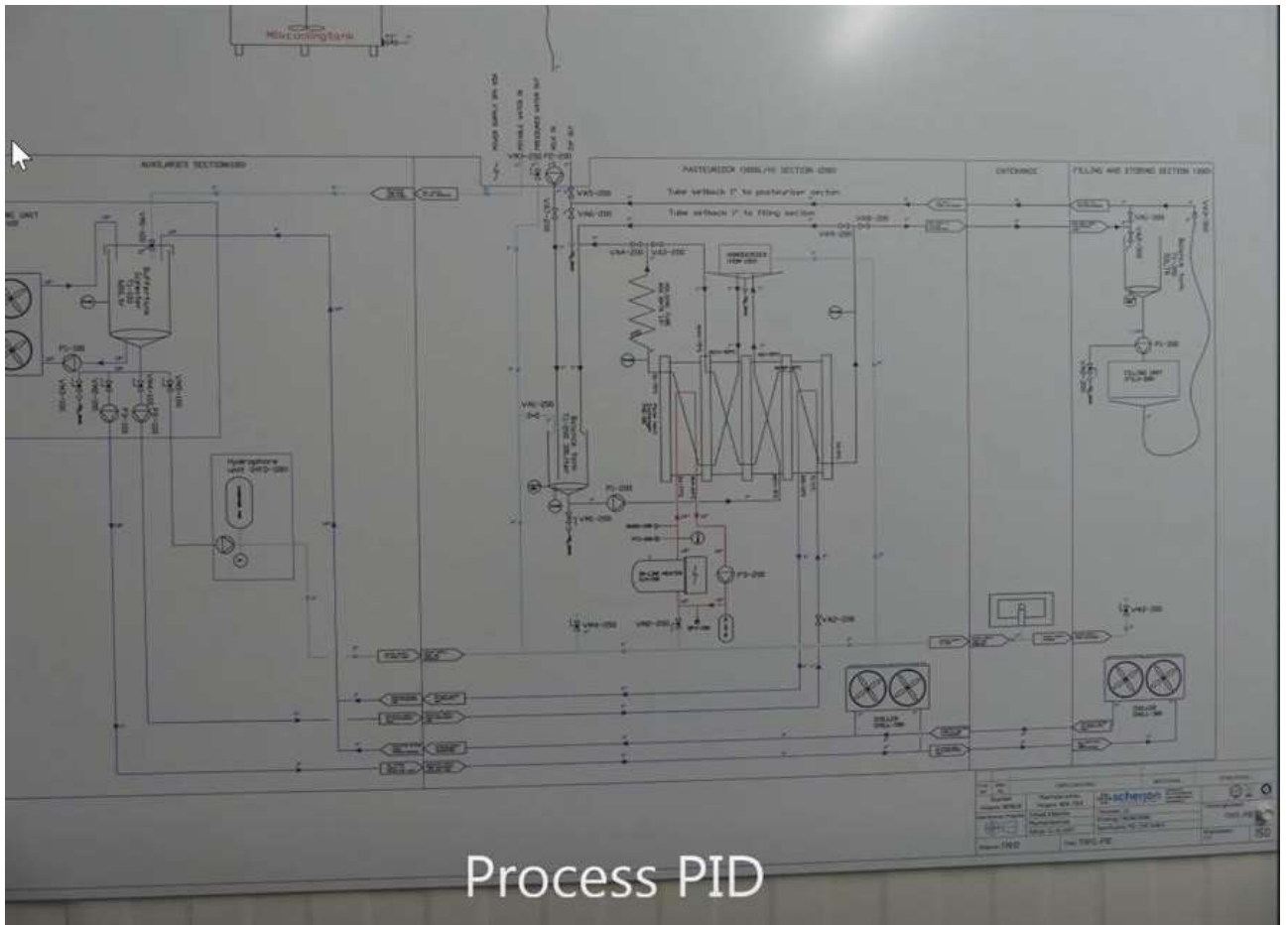


Working Table



Yoghurt fermentation and filling tank

Annex 15.4: Processing Flow Diagram



Annex 16: Certificate of incorporation



No. CPR/2014/149805

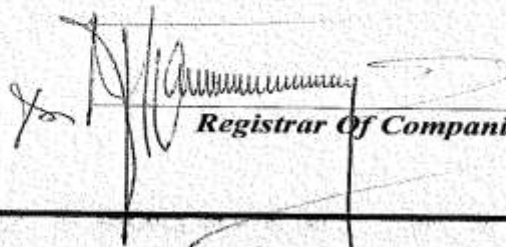
CERTIFICATE OF INCORPORATION

I hereby CERTIFY, that -

JONAS FOOD COMPANY LIMITED

is this day Incorporated under the Companies Act (Cap. 486) and that the Company is **LIMITED**.

GIVEN under my hand at Nairobi this **3 rd** day of **July**
Two Thousand and Fourteen


Registrar Of Companies

Annex 17: Copy of Experts practicing license

FORM 7 (r.15(2))



nema
matigaga yetu | ulhal wetu | wajibu yetu

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/15509
Application Reference No: NEMA/EIA/EL/20047

M/S **Raphael Kipkurui Ngetich**
(individual or firm) of address
P.O. Box 426-20210, Litein

is licensed to practice in the

capacity of a (Lead Expert/Associate Expert/Firm of Experts) **Lead Expert**
registration number **2712**

in accordance with the provision of the Environmental Management and Coordination Act Cap 387.

Issued Date: **6/17/2021** Expiry Date: **12/31/2021**



Signature.....
(Seal)
Director General
The National Environment Management
Authority

FORM 7

(r.15(2))



**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/14466

Application Reference No: NEMA/EIA/EL/18681

M/S **PAUL MUHIA KARANJA**
(individual or firm) of address

P.O. Box 976-20200, KERICHO

is licensed to practice in the

capacity of a (Lead Expert/Associate Expert/Firm of Experts) **Associate Expert**
registration number **10286**

in accordance with the provision of the Environmental Management and Coordination Act Cap 387,

Issued Date: **3/23/2021**

Expiry Date: **12/31/2021**

Signature.....

(Seal)
Director General
The National Environment Management Authority

P.T.O.

