

MINUTES

Proposed Lokichar to Lamu Crude Oil Pipeline Project: Baseline Consultation

Boji Community Meeting: 13 November 2018 – Boji Primary School

Submitted to:

Pipeline Project Management Team

Submitted by:

Golder Associates (UK) Ltd

Cavendish House Bourne End Business Park Cores End Road
Bourne End Buckinghamshire SL8 5AS UK

+44 0 1628 851851

1772867_551.4.5

13 November 2018



Distribution List

Golder (UK) Limited - 1 copy pdf

PPMT - 1 copy pdf

Table of Contents

1.0 WELCOME AND INTRODUCTION	2
2.0 ATTENDEES	2
3.0 PROJECT TEAM.....	2
4.0 AGENDA	2
5.0 PURPOSE OF THE MEETING	3
6.0 PRESENTATIONS	3
7.0 PROJECT BACKGROUND.....	3
8.0 PROJECT DESCRIPTION	3
8.1 Overview.....	3
8.2 Route.....	3
8.3 Technical Aspects.....	3
9.0 ESIA PROCESS.....	4
10.0 CONSULTATION PROCESS.....	4
11.0 IDENTIFICATION OF ISSUES	5
12.0 FUTURE INTENTIONS.....	10
1.0 CLOSURE	10

TABLES

Table 1: Identified issues, questions, comments and responses	6
Table 2: Attendees that signed the attendance register and took part in the proceedings	13

APPENDICES

APPENDIX A

List of Attendees

APPENDIX B

Presentation

PURPOSE OF THIS DOCUMENT

This document represents the minutes taken during a public meeting convened as part of the Environmental and Social Impact Assessment (ESIA) for the proposed Lokichar to Lamu Crude Oil Pipeline (LLCOP) project in Kenya. The document presents a summary of the issues, concerns, questions, and suggestions raised by the stakeholders at the meeting. The meeting was held on Tuesday, 13 November 2018 at the Boji Primary School, Boji, Isiolo County.

The objective of the meeting was to provide stakeholders with more information about the proposed LLCOP project and associated mitigation measures. The meeting also provided stakeholders with an opportunity to contribute comments, suggestions and raise issues of concern. Issues and questions raised during the meeting were captured in the Comment and Response Report. This report will form part of the final ESIA report to be submitted to the relevant authority for a decision.

Your comments are important!

Stakeholders who attended the meeting are invited to review the draft minutes and ensure that the questions, concerns and comments have been captured correctly. Please send any comments and changes that you would like to make within 14 days of receipt to the Public Participation Office.

Address for Comments:

Mr James Kambo

Stakeholder in-country lead (ESF Consultants)

Telephone

(+254) 736 100205

Email:

james.kambo@esfconsultants.org/ppoffice@golder.co.za

Address

Woodlands Office Park,
1C Suite 1st Floor
Woodlands Road, off Lenana Road
PO Box 7745-00100
Nairobi, Kenya

1.0 WELCOME AND INTRODUCTION

The Chief, Mr Adan Ibrahim, brought the meeting to order at 12h10 and opened the meeting with a word of prayer. He provided a brief explanation of the purpose of the meeting, and invited the Ward Administrator, Ms Mumina Halkano, to address the audience. She encouraged the participants to voice their concerns during the meeting. The Assistant County Commissioner, Mr Julius Lemomo Kunte, thanked the community for their attendance, and briefed the participants on the importance of the government project. Mr Hajir introduced the Golder/ESF Consultants team first then continued with the agenda of the meeting.

2.0 ATTENDEES

Mr Mohamed Hajir asked the guests to introduce themselves. 61 attendees signed the attendance register. The list of attendees who signed the register and participated in the proceedings is attached in APPENDIX A.

3.0 PROJECT TEAM

Mr Hajir introduced the project teams and explained the role each team plays in the LLCOP project as follows:

- The government of Kenya – sets the strategy;
- LAPSSET Corridor Development Authority (LCDA) – the authority responsible for the development of the LAPSSET corridor;
- Pipeline Project Management Team (PPMT) – the partnership between government (Ministry of Mining and Petroleum – MoMP) and oil companies to develop the pipeline project; and
- Golder and ESF Consultants – the independent consultants, appointed to undertake the ESIA.

4.0 AGENDA

The following agenda was presented to, and accepted by the participants:

- 1) Purpose of meeting
- 2) Project team
- 3) Project progress
- 4) Summary of scoping consultation
- 5) Community *barazas* (public meetings)
- 6) Community consultation approach
- 7) Social baseline
- 8) (ESIA focus
- 9) Stakeholder engagement focus
- 10) Discussions
- 11) Way forward
- 12) Closure

5.0 PURPOSE OF THE MEETING

Mr Mohamed Hajir explained the purpose of the meeting was to:

- Present progress on the planning activities for LLCOP project and delivery teams.
- Provide an update of the ESIA scoping phase findings, issues, comments and responses regarding the proposed project and associated approach.
- Discuss the proposed community stakeholder consultation approach.
- Discuss the social baseline development process.
- Receive any comments on the above findings and proposed approach to community engagements.
- Indicate how stakeholders can participate in the future.

6.0 PRESENTATIONS

A presentation (APPENDIX B) was shown to the attendees; it detailed the project components and provided information on the current progress. The ESIA project process which included the stakeholder engagement, the summary of the scoping consultation, identification of issues, the ESIA scoping findings and the social baseline was explained. The front-end engineering and design and geotechnical survey also presented

7.0 PROJECT BACKGROUND

An overview and background of the proposed project were presented to attendees. All development projects are subject to an ESIA process in terms of the Environment Management and Coordination Act (2015). This is the first permitting study undertaken for the proposed LLCOP project. Several related studies have been undertaken and include a Strategic Environmental Assessment for the LAPSSET corridor project and an ESIA study for the Kenya Upstream Oil Development project.

Golder Associates, in partnership with ESF Consultants, Kenya, have been appointed to undertake the ESIA study.

8.0 PROJECT DESCRIPTION

8.1 Overview

The LLCOP project is a development initiative under a joint partnership between the Kenya Government and the consortium consisting of Tullow Oil Kenya B.V., Africa Oil Turkana Ltd and Total Oil (formally Maersk Oil). The proposed LLCOP project is an onshore pipeline that will provide transportation of crude oil from the production fields in South Lokichar to the marine export facility at the Port of Lamu. There it will be stored and onward exported to international markets. The project will link the upstream oil fields (being permitted separately) with international markets.

8.2 Route

The LLCOP project will commence at a flange point in Turkana County, south-east of the Lokichar oil fields, and end at the Port of Lamu. The LLCOP route is within the LAPSSET corridor and will cut across Turkana, Samburu, Isiolo, Meru, Garissa and Lamu counties. The crude oil pipeline will be approximately 820 kilometres long. Areas of land where the proposed pipeline will pass will be acquired by the government and leased to the project.

8.3 Technical Aspects

The proposed project will be executed in a phased manner. The construction time will be approximately two to three years.

The construction of the pipeline will entail excavation of a trench, two metre in depth, along the proposed pipeline route. A conventional trench and backfill construction methodology will be followed. The pipeline will be buried throughout its length with a minimum of one metre of soil cover. The pipe itself will be 18 or 20 inches in diameter. The proposed pipeline will need a 30 metre width for construction and a six metre width for operations. Due to the heavy and waxy consistency of the crude oil, the pipeline will be heated and insulated to keep the crude oil at the optimum viscosity for pumping. The heating will be done through a longline trace system.

There will be approximately 16 intermediate above ground installations (either co-located or standalone), which include pump stations, pressure reduction stations, and electrical generators.

A marine terminal will be constructed at the Port of Lamu. The terminal will comprise storage facilities (1.5 million barrels capacity), a loading line and a marine platform with breasting and mooring structures. The Lamu terminal options under evaluation are an onshore storage and offloading jetty, or a floating storage and offloading vessel. The onward exportation of the crude oil to international markets will take place by ship.

9.0 ESIA PROCESS

This ESIA is being undertaken to acquire the necessary permits to implement the proposed project. The Environmental Management and Coordination Act of 2015 provides detailed guidelines on conducting Environmental Impact Assessments (EIAs) in Kenya. The Act states that all new projects that are likely to affect the environment in any way must undertake an ESIA, and the ESIA report should then be submitted to NEMA for review and approval.

The objective of this ESIA study is to investigate and identify the positive and negative impacts of the pipeline construction and operations. The study will then generate feasible mitigation measures for adverse impacts through an Environmental and Social Management Plan. These studies and recommendations will be done through field investigations, document review, professional analysis, and stakeholder engagements.

The ESIA process entails the following elements:

Scoping Study – An initial field and baseline data reviews as well as early stakeholder engagement to define the scope of the ESIA.

Terms of Reference (ToR) – During this phase, the framework and proposed methodology for the assessment of environmental and social impacts are developed. The ToR phase includes a presentation of the project, proposed ESIA update process and the public consultation process.

Environmental Impact Study (EIS) – This phase entails an impact assessment and will address the issues raised during the ToR phase. A Draft EIS report will be developed and presented to the public for review and discussion. The EIS is then finalised and submitted to NEMA for approval (the decision-making phase).

The ESIA permitting study should be completed by March 2019.

10.0 CONSULTATION PROCESS

The stakeholder engagement process is a requirement of the Kenya Environmental Impact Assessment guidelines and is being undertaken to provide the opportunity for communities, potentially affected and interested people to participate by raising issues, concerns, asking questions and contributing local knowledge.

Stakeholder participation in the process will help to identify and address their concerns early in the project design phase. Stakeholder contributions collected during this process will be recorded and made publicly available in a Comment and Response Report for people to verify that their contributions have been recorded correctly. Special efforts will be made to engage with potentially directly affected people, including women, the youth, as well as local, regional, and national educational and religious organisations, research institutions, non-

governmental organisations, and other key organisations. Public meetings and workshops will be held to record comments and suggestions from the public.

This ESIA process commenced in March 2018 and will be completed in March 2019. Availability of reports, times, and location of public meetings will be advertised in the local media and via site notices. The final EIS update will be made available in public places, for review.

Stakeholders will be informed throughout the stakeholder engagement process of this ESIA. Any queries and concerns can be raised at any time through the contacts provided.

11.0 IDENTIFICATION OF ISSUES

All questions, issues, comments and associated responses raised during the discussion session are captured in Table 1.

Date of meeting: 13 November 2018

Venue: Boji Primary School, Boji, Isiolo County

Table 1: Identified issues, questions, comments and responses

	Meeting	Issue/Question/Comments	Commentator	Response
1	13 November 2018 Boji Community Meeting	<p>Thank you for the information about the project; we now have a better understanding.</p> <p>The project will affect our pastoral activities. We depend entirely on our livestock.</p> <p>The project will pass through the main grazing area of our livestock.</p> <p>The project information should have been provided before any research started, and it should have been conveyed by parliamentary or community assembly leaders.</p> <p>There is boundary conflict between us and the Meru County, which we think is related to the LAPSSET project.</p> <p>Why has the pipeline been diverted to the Meru County?</p> <p>A pipeline spillage may cause more damage to the environment.</p>	Guyo Huka	<p>The main benefit from the project will be the revenue that will be generated from the oil sales.</p> <p>As part of our assignment we will be looking at the possible impacts to livestock grazing and providing appropriate mitigation.</p> <p>The community may also benefit from corporate social responsibility programmes.</p> <p>The local leaders are aware of today's meeting. We have had several meetings with members of parliament at the national level.</p>

	Meeting	Issue/Question/Comments	Commentator	Response
2	13 November 2018 Boji Community Meeting	<p>It appears that we have not been provided with all the information.</p> <p>How will the project benefit pastoralists in terms of land compensation?</p> <p>What measures are in place to secure the pipeline?</p> <p>The influx of workers to our area will result in social problems and behaviour that do not conform to our culture.</p>	Ahmed Bishar	<p>The National Land Commission and LAPSET will have a separate community engagement process to address the issues concerning land.</p> <p>Such government installations typically have constant security surveillance.</p> <p>Our report will take into consideration all potential social issues that could be associated with the project and recommendation measures will be put forward to mitigate these impacts.</p>
3	13 November 2018 Boji Community Meeting	<p>We would like more information about LAPSET.</p> <p>We would like to know the exact location of where the pipeline will pass through Boji.</p>	Hussein Ali	<p>The final pipeline route has not been determined yet. This study together with on-going Geotechnical surveys and Engineering design development will arrived at the most preferred route. It will not vary significantly with what we have shown on the maps.</p>
4	13 November 2018 Boji Community Meeting	<p>Will the pipeline pass through the 500-metre corridor or will there be other projects in the corridor?</p> <p>A large piece of our land will be taken by the project.</p>	Yusuf Dima	<p>The pipeline (on completion) will only occupy six metres of the 500 m corridor.</p>
5	13 November 2018 Boji Community Meeting	<p>Thank you for educating us about the project.</p> <p>Our pastoral life will be affected if the land is taken by the government for project activities.</p> <p>The project corridor may have a negative impact on water pans.</p>	Gedo Selesa	<p>Your leaders are stakeholders in this engagement and we will inform them of any activity in their area of jurisdiction.</p> <p>The land adjudication process is underway.</p>

	Meeting	Issue/Question/Comments	Commentator	Response
		<p>Holy shrines, graves, minerals and herbal trees may be found in the corridor.</p> <p>The influx of workers and other people to our area will result in social problems and behaviour that do not conform to our culture.</p> <p>It is not clearly indicated how the government will compensate us for our land.</p> <p>Our leaders have not relayed any information about the project to the community.</p> <p>There should be more community engagements to educate people and make them aware of the project.</p> <p>Our land is communal land, but other people may come to claim the land. How are you going to determine the real owner of the land?</p>		<p>The National Land Commission will address all land issues and concerns during their stakeholder engagement process.</p> <p>Your concerns about holy shrines, grave sites, herbal trees and water pans have been noted and will be addressed in our report.</p>
6	13 November 2018 Boji Community Meeting	<p>We do not have land ownership documents because we are pastoralists. The land belongs to the community.</p> <p>We need more community engagement to educate the people about the project.</p>	Abdi Muhamud	Your concerns have been noted and will be forwarded on to the appropriate entities. i.e. NLC and PPMT
7	13 November 2018 Boji Community Meeting	The project will have many negative impacts and it would be preferable to reroute the pipeline away from Boji.	Fatuma Dabaso Woman Elder	Your concerns have been noted. Please let us know which negative impacts these are so that we can study them further and seek mitigations.

	Meeting	Issue/Question/Comments	Commentator	Response
8	13 November 2018 Boji Community Meeting	This is the first time we are being informed about the project. Our leaders have failed in giving us the information. We would like more community engagement.	Osman Abdikula Teacher	We are not here to make any decision about the project, we are here to get your opinion and relay it to the project team.

12.0 FUTURE INTENTIONS

Mr Mohamed Hajir indicated that the information sourced during this meeting would be captured in formal minutes and in a Comments and Responses Report. The report will be made available to meeting attendees for review prior to submission to NEMA.

1.0 CLOSURE

All participants were thanked for their attendance and comments. The minutes of this meeting will be distributed, and your inputs will be appreciated to ensure that your issues were captured accurately. The meeting was closed by Mr Mohamed Hajir.

Signature Page

Golder Associates (UK) Ltd



James Kambo
Stakeholder in-country lead (ESF Consultants)



Tim Flower
Project Manager

JK/TF

Company Registered in England No.1125149.

At Attenborough House, Browns Lane Business Park, Stanton-on-the-Wolds, Nottinghamshire NG12 5BL

VAT No. 209 0084 92

Golder and the G logo are trademarks of Golder Associates Corporation

APPENDIX A

List of Attendees

Table 2: Attendees that signed the attendance register and took part in the proceedings


	Name	Organisation
1.	Julius Lemomo Kunje	Assistant County Commissioner Garba Tulla
2.	Adan Ibrahim Diba	Chief
3.	Mohamed Abdi	Elder
4.	Ibrahim Salad	Elder
5.	Abdi Godana	Elder
6.	Osman Kiyo	Elder
7.	Hassan Guyo	Elder
8.	Ismail Ahmed	Elder
9.	Golo Boru	Elder
10.	Abdi Bonaya	Elder
11.	Guyo Huka	Elder
12.	Hassan Gollo	Elder
13.	Huka Eker	Elder
14.	Kulu Golompo	Elder
15.	Mohamed Golicha	Elder
16.	Abdi Wada	Elder
17.	Hussein Ali	Elder
18.	Osman Abdikula	Teacher
19.	Mumina Halicano	Ward Administrator
20.	Qabe Galma	Women
21.	Fatuma Duba	Woman Elder
22.	Halima Hole	Women
23.	Safia Mohamed	Women
24.	Mumina Galma	Women
25.	Dhahaibo Ade	Women
26.	Mumina Dima	Women

	Name	Organisation
27.	Zaituna Funan	Women
28.	Fatuma Abdi	Women
29.	Buraq Omar	Women
30.	Chala Ulu	Women
31.	Buraq Waqo	Women
32.	Nuria Hokicha	Women
33.	Amina Sama	Women Elder
34.	Habiba Dima	Women Elder
35.	Lio Omar	Women Elder
36.	Fatuma Dabaso	Women Elder
37.	Salad Guyo	Youth
38.	Ali Kumo	Youth
39.	Ibrahim Huka	Youth
40.	Mohamed Huka	Youth
41.	Abdi Muhamud	Youth
42.	Saadia Jarso	Youth
43.	Halima Elema	Youth
44.	Abdilatif Boru	Youth
45.	Mohamed Adan Halake	Youth
46.	Abdullahi Guracho	Youth
47.	Matul Huka	Youth
48.	Ibrahim Jarso	Youth
49.	Walid Rawan	Youth
50.	Adan Ibrahim	Youth
51.	Osman Godana	Youth
52.	Abdikarim Guyo	Youth
53.	Maulid Ibrahim	Youth
54.	Abubakar Huka	Youth

	Name	Organisation
55.	Mohamed Adan	Youth
56.	Suleyman Boris	Youth
57.	Yussuf Salad	Youth
58.	Halkano Mohamed	
59.	Ahmed Bishar	
60.	Yusuf Dima	
61.	Gedo Selesa	

APPENDIX B

Presentation



The Proposed Lokichar to Lamu Crude Oil Pipeline Project (LLCOP)

STAKEHOLDER CONSULTATION COUNTY LEVEL UPDATE WORKSHOP


October 2018

1

WELCOME AND INTRODUCTION

Welcome

Introductions




2

AGENDA

BASELINE STUDY MEETING: LOKICHAR TO LAMU CRUDE OIL PIPELINE PROJECT


1. Purpose of Meeting
2. Project Team
3. Project Background
4. Project Description
 - 4.1 Overview
 - 4.2 Route
 - 4.3 Technical Aspects
5. ESIA Process
 - 5.1 ESIA Process
 - 5.2 ESIA Focus
6. Consultation Process
7. Discussions
8. Way forward
9. Closure



3

1. PURPOSE OF MEETING

- Introduce the Proposed Lokichar to Lamu Crude Oil Pipeline Project and delivery teams.
- Provide an overview of proposed ESIA approach.
- Discuss the proposed project.
- Identify issues, comments and responses regarding the proposed project and associated approach.
- Indicate what will happen with the information.
- Indicate how stakeholders can participate in the future.




4

2. PROJECT TEAM


2.1 LAPSSET

The lead Government of Kenya organisation and leasor of land to the Pipeline.




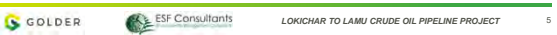
2.2 PPMT

The Pipeline Project Management Team – consisting of the Governed of Kenya, Tullow Oil plc, Africa Oil Corporation and Total Oil.



2.3 ESIA CONSULTANT

Golder Associates, an independent ESIA consultant selected by GoK-led tender process. ESF Consultants, a Kenya based environmental management consultant is the in country Kenyan component.

5

3. PROJECT BACKGROUND

3.1 PROJECT NAME

Proposed Lokichar to Lamu Crude Oil Pipeline (LLCOP)


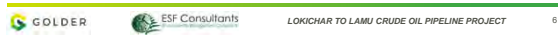
3.2 BACKGROUND

- Pipeline is Part of LAPSSET
- Part of vision 2030
- Source: Kenya Ministry of Transport
- Key components

Lamu port, highways, oil pipelines, railway international airports, resort cities, High Grand Falls dam.

3.3 ADDITIONAL COMPONENTS

Electricity transmission, fiber optics, water supply.

6

4.1 PROJECT DESCRIPTION: OVERVIEW

- The proposed Lokichar to Lamu Pipeline project is an onshore pipeline development from oil an field in Lokichar to a marine export facility in Lamu.
- The purpose of the project is to provide transportation, storage and export of the heavy and waxy crude oil.
- The project will link the Upstream oil fields (being permitted separately) with international markets.
- Construction time is anticipated to be approximately 24 months.
- The production life of the project is expected to be 30 years.
- Partners:
 - Government of Kenya.
 - Tullow Kenya B.V.
 - Africa Oil Turkana Ltd.
 - TOTAL.
- Size of stations along the way approximately 150m X 150m.

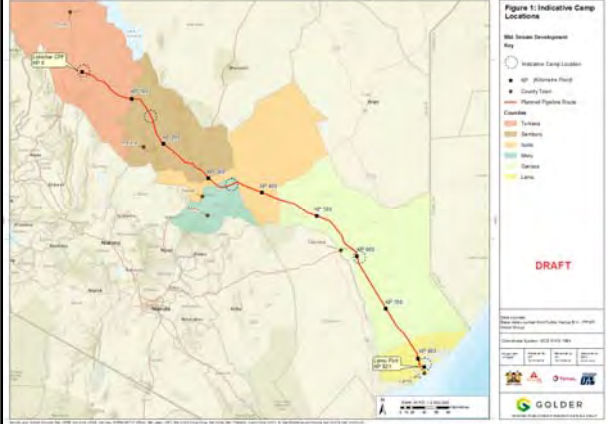
7

4.2 PROJECT DESCRIPTION: ROUTE



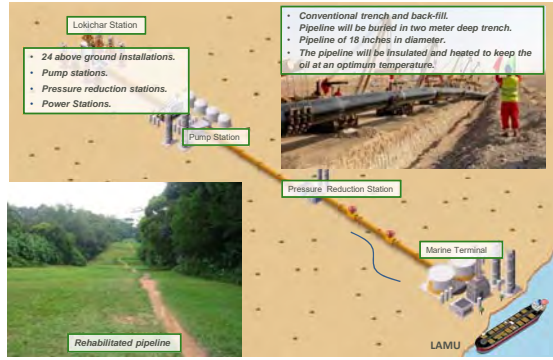
8

INDICATIVE CONSTRUCTION CAMP LOCATIONS



9

4.3 PROJECT DESCRIPTION: TECHNICAL



10

5.1 ESIA PROCESS

Requires an Environmental and Social Impact Assessment (ESIA) [(Environment Management and Co-Ordination Act (1999).]

Scoping Phase

- Baseline data collection to serve as reference framework.
- Identify potential social and environmental impacts.
- Stakeholder engagement.

Project Report and ToR

- Setting out potential impacts to be considered.
- Stakeholder engagement.
- Proposed assessment method and approach and significance evaluation.

ESIA Phase

- Assess the positive and negative impacts of the LLCOP.
- Stakeholder engagement.
- Development of mitigation and management measures.

ESIA Report

Submitted to NEMA for review and decision.

Timeframe

March 2018 to May 2019.



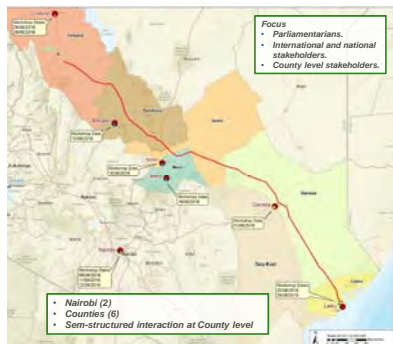
11

5.2 ESIA FOCUS



12

6.1 STAKEHOLDER ENGAGEMENT PROCESS: SCOPING



13

6.2 STAKEHOLDER ENGAGEMENT FOCUS

- Legal Requirement.
- Opportunity for stakeholders to participate in ESIA process.
- To inform and consult
- Integrate and consider stakeholder viewpoints in the ESIA.
- All stakeholder contributions recorded and disclosed.
- Identify vulnerable groups, including women, the youth, indigenous peoples and disempowered people.
- Information in public domain.
- Provide feedback on results and information use.

14

7. DISCUSSION

Facilitated by Mr James Kambo.

- Please provide your name and surname.
- Focus on LLCOP.
- Land related issues addressed by NLC.
- Complete comments and registration sheet.

15

7. WAY FORWARD

- Event timelines.
- Future consultation.
- Availability of information.
- Record Key issues for each meeting.
- Project deliverables.
- ESIA process continuation.

16

Closure

17



golder.com