

## **CONDITIONS OF APPROVAL FOR THE ENVIRONMENTAL AND SOCIAL IMPACT STATEMENT FOR THE TILENGA PROJECT**

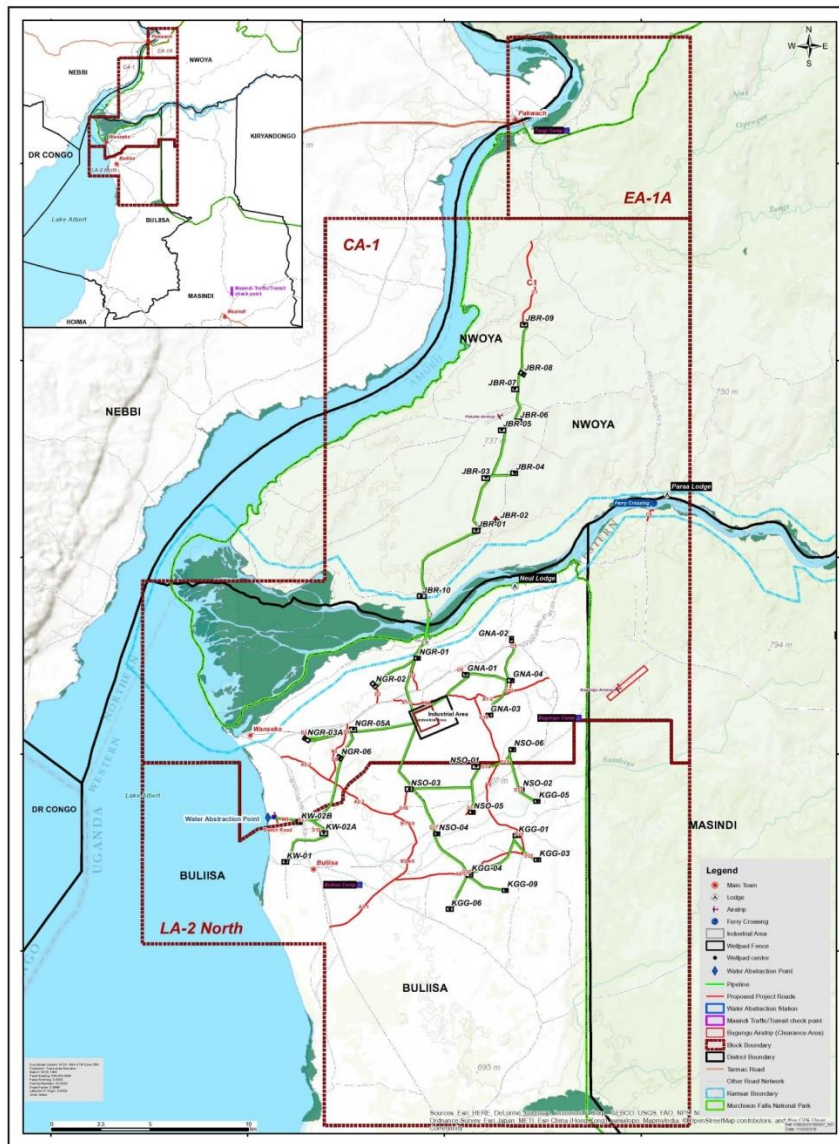
*(Within the coordinate area defined in annex 2 in the districts of buliisa, nwoya and masindi)*

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1. This Certificate is issued for the development of six oil fields (with 34 well pads), and Industrial Area, buried pipelines, and other supporting infrastructure in Buliisa and Nwoya Districts, herein referred to as the Tilenga Project.
2. This Certificate is issued in accordance with;
  - (a) Part X of the National Environment Act, No. 5 of 2019,
  - (b) The National Environment (Environment Impact Assessment) Regulations, S.I No. 153-1,
  - (c) Section 3 of The Petroleum (Exploration, Development and Production) Act, 2013,
3. The Project shall be implemented in accordance with;
  - (a) The Physical Planning Act, 2010;
  - (b) The Water Act, Cap.152;
  - (c) The Uganda Wildlife Act, Cap.200;
  - (d) The Petroleum (Refining, Conversion, Transmission and Midstream storage) Act, 2013;
  - (e) The Occupational Safety and Health Act, 2006;
  - (f) The Physical Planning Act, 2010;
  - (g) The Petroleum (Waste Management) Regulations, 2019;
  - (h) The National Environment (Waste Management) Regulations S.I No. 153-2;
  - (i) Employment Act, 2006;
  - (j) Public Health Act, Cap.281; and
  - (k) Any other applicable laws and regulations.
4. In addition to implementing the mitigation measures outlined in the Environmental and Social Impact Statement (ESIS), this Certificate of Approval is granted on condition that **M/s. Total E&P Uganda and M/s. Tullow Uganda Operations Pty Limited** (herein jointly referred to as Developer), complies with approval Conditions stated below
5. This Certificate of Approval **EXCLUDES** the following Project Components:
  - a. Roads named N3, C3, C2, the section of C1 from Tangi gate to the Pakuba lodge junction;
  - b. the Victoria Nile (Ferry) crossing facility;
  - c. the proposed Masindi vehicle check point;
  - d. the unused and future slots to be drilled on each specific well pad; and
  - e. Option 1 HDD Work Areas in the Ramsar Site (North and South of the Victoria Nile)

6. This Certificate applies to the Tilenga project area as shown in the map below.

Figure 1: Map of the Tilenga project area



**7. ADMINISTRATIVE CONDITIONS OF CERTIFICATE**

- (i) Issuance of this Certificate of Approval is based on the content of/information contained in the Environmental and Social Impact Statement submitted by the Developer on 12<sup>th</sup> June, 2018 and a revised submission on 27<sup>th</sup> February, 2019. The Developer shall be held responsible for any omissions, falsified information or any other content that is contrary to the provisions of the relevant laws governing the proposed Tilenga project.
- (ii) This Certificate of Approval is **VALID for an initial period of 10 YEARS** and thereafter this certificate will be revised upon request or when the Project area/site conditions change.

- (iii) The project **must commence within the first 24 months** (*from the date of approval*) of the validity period, failure of which this Certificate shall be varied, cancelled or otherwise dealt with by this Authority.
- (iv) The **Executive Director shall be NOTIFIED** in writing, of any transfer of ownership, variation/alteration of the project design or components, or surrender of this Certificate of Approval.
- (v) This certificate nullifies **Certificate No. NEMA/EIA/11066** for the *Tilenga Project Early Works* which was issued by this Authority on 13<sup>th</sup> April, 2018.

## **8. SPECIFIC CONDITIONS OF APPROVAL FOR THE TILENGA PROJECT**

### **A. Industrial Area**

- (i) Ensure that the establishment of the industrial area is restricted to the acreage defined by the coordinates 36N 330101 242958, 330687 241578, 328800 240777, and 328214 242157.
- (ii) In consultation with the Authority and the relevant Lead Agencies, landscape the industrial area with appropriate material and indigenous vegetation so as to minimize visual intrusion.
- (iii) Install containment bunds around the central processing facility for emergency use.
- (iv) Install equipment for the control and measurement of noise, air and water quality, and vibrations; and put in place measures to detect and monitor leakages for both oil and gas spills within the industrial area.
- (v) Gas Flaring and venting shall be undertaken only in exceptional circumstances in accordance with The Petroleum (Exploration, Development and Production) Act, 2013.

### **B. Well pads**

- (i) Ensure that the wells which are subject to this ESIS approval are as in a Table 1 and as per coordinates in Annex 2. Any additional wells to be established should be subjected to a separate environmental and social assessment.

*Table 1: Wells and slots of each well pad*

<b>Block</b>	<b>Field</b>	<b>Name</b>	<b>Total No. of Wells</b>	<b>Oil Producer</b>	<b>Water Injection</b>	<b>Observation Wells</b>
CA-1	GUNYA	GNA-01	12	6	5	1
CA-1	GUNYA	GNA-02	11	5	5	1
CA-1	GUNYA	GNA-03	08	3	4	1
CA-1	GUNYA	GNA-04	13	6	6	1
CA-1	JobiRii	JBR-01	6	2	4	0
CA-1	JobiRii	JBR-02	15	8	6	1
CA-1	JobiRii	JBR-03	11	4	6	1

CA-1	JobiRii	JBR-04	22	10	11	1
CA-1	JobiRii	JBR-05	12	5	6	1
CA-1	JobiRii	JBR-06	19	8	10	1
CA-1	JobiRii	JBR-07	6	3	2	1
CA-1	JobiRii	JBR-08	14	6	7	1
CA-1	JobiRii	JBR-09	14	6	7	1
CA-1	JobiRii	JBR-10	13	6	7	0
CA-1	Ngiri	NGR-01	13	7	5	1
CA-1	Ngiri	NGR-02	16	7	8	1
CA-1	Ngiri	NGR-03A	9	3	5	1
CA-1	Ngiri	NGR-05A	14	9	4	1
LA-2	Ngiri	NGR-06	11	4	6	1
LA-2	Kigogole	KGG-01	18	9	8	1
LA-2	Kigogole	KGG-03	13	7	5	1
LA-2	Kigogole	KGG-04	13	7	5	1
LA-2	Kigogole	KGG-05	15	7	7	1
LA-2	kigogole	KGG-6	6	2	3	1
LA-2	Kigogole	KGG-09	4	1	2	1
LA-2	Kasemene-Wairindi	KW-1A	5	2	2	1
LA-2	Kasemene-Wairindi	KW-2A	13	6	6	1
LA-2	Kasemene-Wairindi	KW-2B	13	6	6	1
LA-2	Nsonga	NSO-01	21	11	9	1
LA-2	Nsonga	NSO-02	7	3	3	1
LA-2	Nsonga	NSO-03	9	4	4	1
LA-2	Nsonga	NSO-04	11	5	5	1
LA-2	Nsonga	NSO-05	11	5	5	1
LA-2	Nsonga	NSO-06	14	7	6	1
<b>TOTAL</b>			<b>412</b>	<b>190</b>	<b>190</b>	<b>32</b>

- (ii) Before site clearance for the well pads in the National park, notify this Authority and the Lead Agency in writing 30days in advance.
- (iii) Ensure that the critical containment area within the well pads is lined with impervious material.
- (iv) Put in place a secondary containment infrastructure around each well pad.
- (v) Undertake a comprehensive Environmental Risk Assessment of the polymer to be used at Jobi-Rii-4 and submit to the Authority for consideration.
- (vi) Put in place measures to prevent ingress and harm of wildlife at the well pads during construction and operation in the Murchison Falls National Park.

### **C. Water Abstraction**

- (i) Ensure that the estimated project water usage of 159,700,000m<sup>3</sup> in a period of 25 years must be in accordance with the Water Abstraction Permit as shall be prescribed by the Directorate of Water Resources Management.
- (ii) The use of surface water from Lake Albert for industrial purposes is approved. Ground water usage shall be restricted to domestic requirements.
- (iii) Develop and implement programs to raise awareness and foster co-existence of water abstraction activities with local livelihoods including fishing, snail shells harvesting, and water transport among others.

- (iv) In liaison with the Directorate of Fisheries Resources (Ministry of Agriculture Animal Industry and Fisheries), ensure that fish breeding areas within the influence of the water abstraction facilities are not negatively impacted upon.
- (v) Routinely monitor and report to the relevant Authorities, the qualitative and quantitative status of the water sources for the project underground water quantity and quality levels.

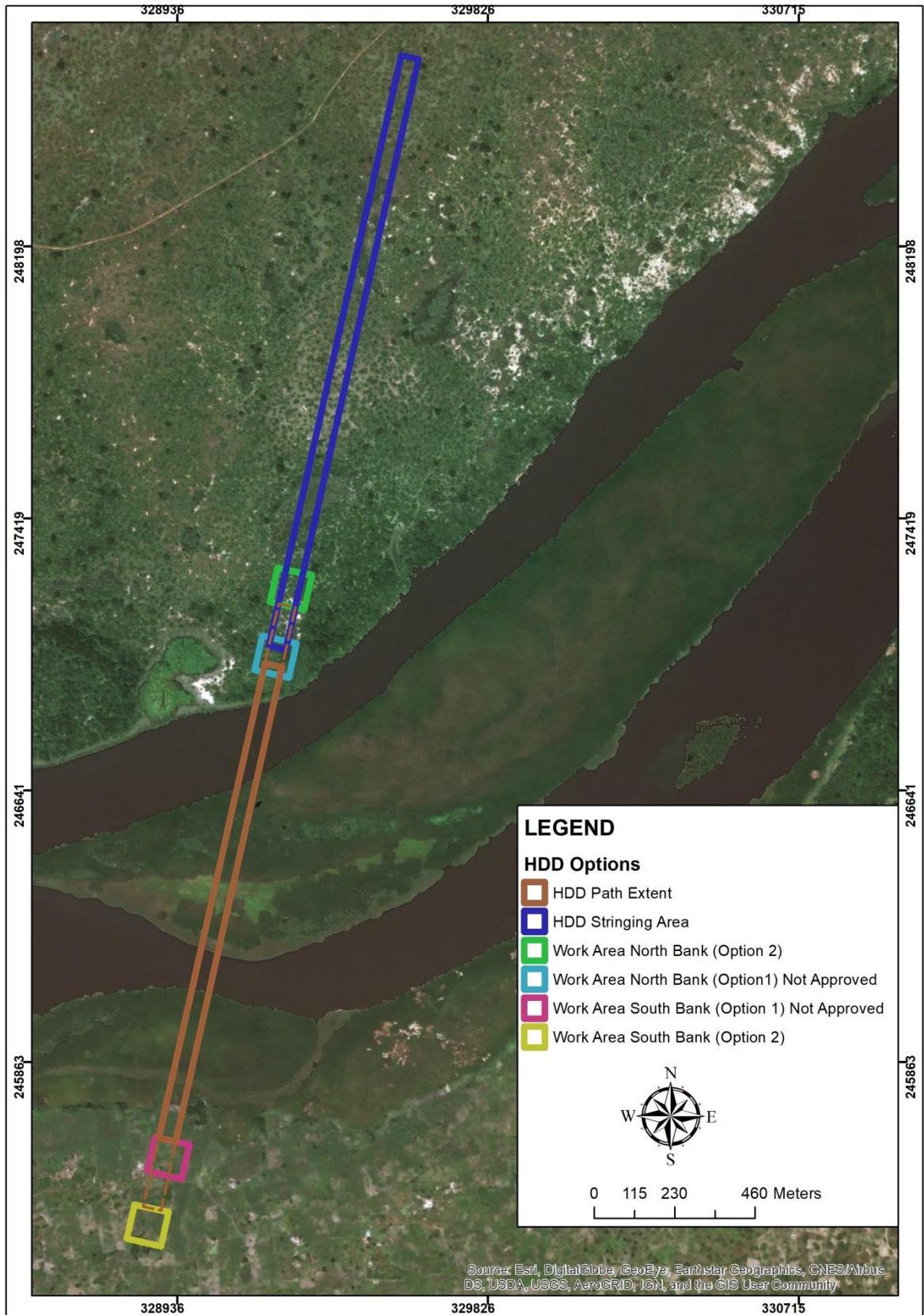
#### **D. Flow Lines**

- (i) Ensure that all flow lines within the Murchison Falls National Park are buried at a depth not less than one meter.
- (ii) Ensure that the pipeline trenches are lined with impervious lining and concrete for protection against seepage and ground water contamination.
- (iii) Ensure that the installation of flow lines does not interfere with the natural hydrological functioning of wetlands, streams or other water bodies in the project area.
- (iv) Limit the vegetation clearance to a maximum of 20meters within the Murchison Falls National Park unless authorised by the Lead Agency.
- (v) There will be no permanent right of way within the Murchison Falls National Park.
- (vi) Flow lines within Murchison Falls National Park should be constructed and maintained in such a way that there is minimal/no interference with biodiversity and free movement of wildlife.
- (vii) Ensure that communities living within the neighbourhood of flow lines are continuously engaged and sensitized on issues pertaining to the pipelines.

#### **E. Nile Crossing**

- (i) The Nile crossing activities should be strictly confined to the area shown in the **Figure 2**.

Figure 2: Areas approved for HDD (Including Pipeline Stringing) activities

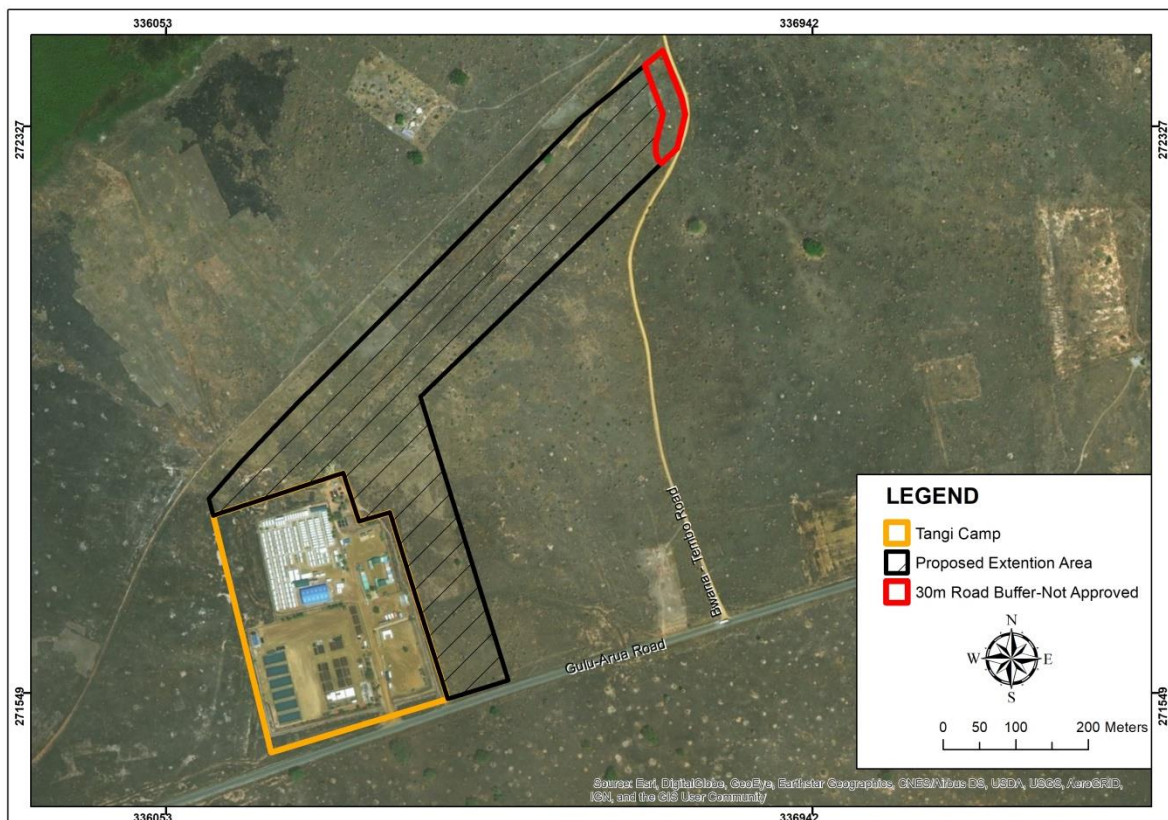


- (ii) Institute robust prevention, preparedness and contingency mechanisms to contain run-off and for spills (chemicals, drilling fluids, oils and other substances) at the Horizontal Directional Drilling (HDD) working area.
- (iii) The maximum clearance including the right-of-way for the stringing area should not exceed 50m width and 1500m length.
- (iv) All proposed activities in the Ramsar Site should be undertaken strictly within six (06) months of site clearance and as shall be prescribed in the Wetland Resource User Permit from this Authority for this activity.
- (v) Prepare and submit a site clearance and restoration plan to the Uganda Wildlife Authority before commencement of project activities in this area.

**F. Camps**

- (i) Seek permission and obtain formal guidance/authorization from Uganda Railways Corporation on the proposed expansion of Tangi camp.

Figure 3: The existing and approved expansion of the Tangi Camp



- (ii) Ensure that the expansion of Tangi Camp is confined to the area (22 Hectares) shown in **Figure 3**; and following completion of construction phase of the project, decommission and restore 17 Hectares of this Camp as shall be determined by this Authority and the Lead Agency.

- (iii) Undertake separate Environmental Assessments for all other camps not assessed as part of the Tilenga ESIS, in accordance with the National Environment (Environmental Impact Assessment) Regulations, S.I No.153-1.
- (iv) Ensure that all camps are landscaped with appropriate material and indigenous vegetation to blend with the surrounding environment and preserve existing tree vegetation.
- (v) All Camps must be established and constructed with guidance/approval of the host District Local Government Authorities and the Ministry of Gender, Labour and Social Development.

#### **G. Roads**

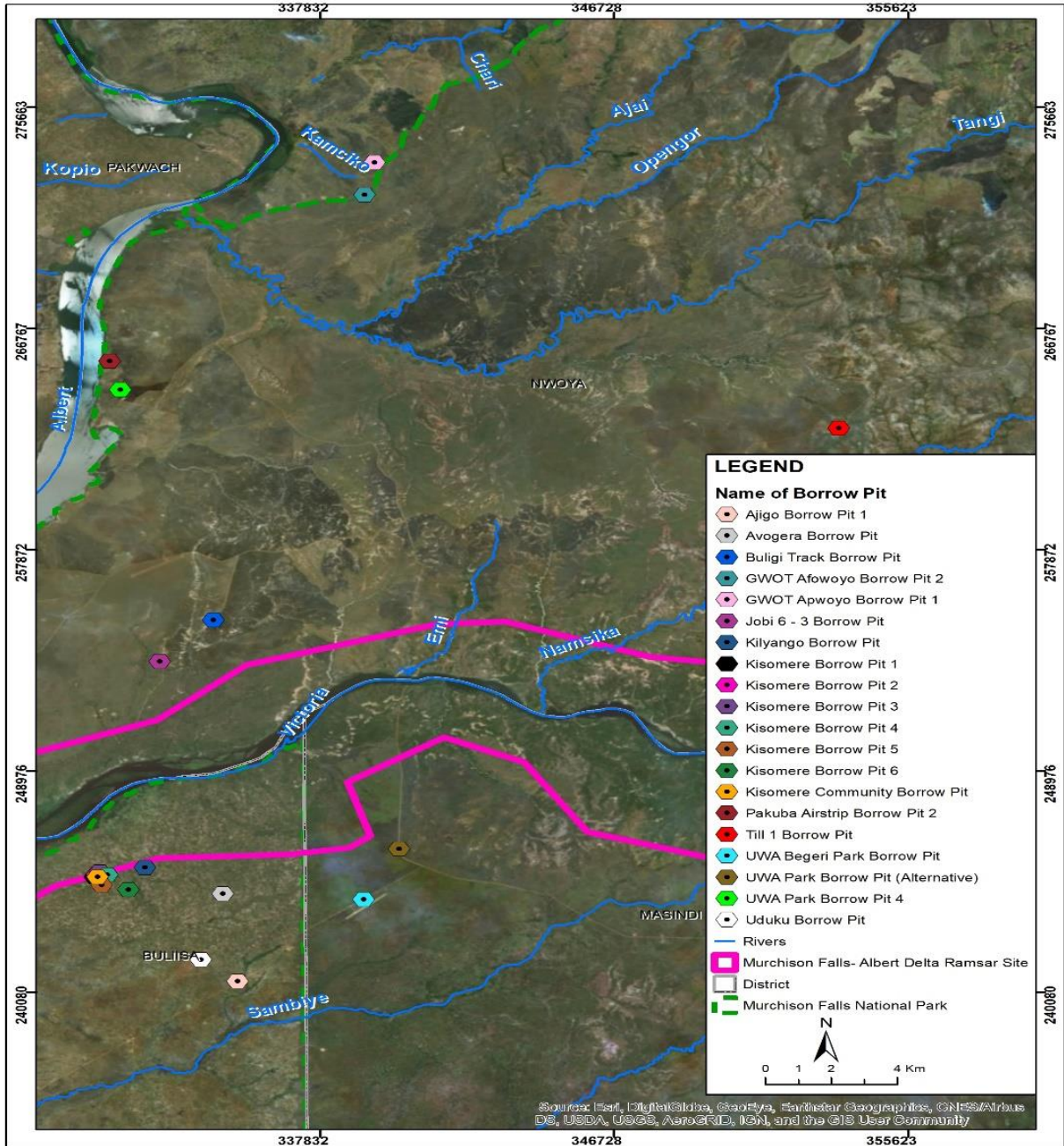
- (i) Ensure that all roads works are undertaken in accordance with specifications set by the Ministry of Works and Transport.
- (ii) Maintain the natural hydrological flow and drainage along water resources, where roads are constructed through swamps, streams or water bodies in the project area; in accordance with the National Environment (Wetlands, Riverbanks and Lakeshores Management) Regulations, S.I. No. 153-5
- (iii) Put in place a road safety awareness programme to sensitize the local community, road users, school children, among others, on safety measures to adhere to, during the road construction and operational phases.

#### **H. Borrow Pits**

- (i). The borrow pits approved for extraction of murram are those listed in **Annex 2** and shown in **Figure 4**. Separate Environmental Assessments should be undertaken for any other Borrow pits required by the Project.
- (ii). Prepare an extraction and restoration plan for each borrow pit approved under this certificate, and submit to the Authority for approval before commencement of use.
- (iii). Before commencement of operation of burrow pits within MFNP, obtain authorization/approval from UWA.
- (iv). Ensure that, for borrow pits neighboring the Ramsar Boundary (in Kisomere) and the Albert Nile (in MFNP), the site activities are undertaken at least 100metres away from these sensitive locations



Figure 4: Borrow Pits approved under the Tilenga Project ESIA Certificate



## I. Oil Spill Management and Emergency Response

- (i) Put in place measures to prevent oil spillage and ensure that any person carrying out work on behalf of the developer, either personally or as an employee, contractor or subcontractor prevents oil spills from their operations.
- (ii) Put in place a comprehensive Oil Spill Contingency Plan in accordance with the National Environment Act No.5 of 2019; and the Regulations thereunder.
- (iii) Establish an Emergency Preparedness and Response Plan for any other emergencies and incidents that may be occasioned during Project Implementation.

- (iv) Put in place adequate resources, customized equipment and trained personnel for prompt response in the event of an incident involving an oil spill and other related incidents during operations.
- (v) Conduct well-structured drills and exercises including the involvement of stakeholders and host communities, to evaluate the effectiveness of the oil spill contingency plan, and the emergence preparedness and response plan.

## **9. GENERAL CONDITIONS OF APPROVAL**

### **A. Project Management Obligations**

- (i) Ensure that the Environmental and Social Management Plan (ESMP) contained in the ESIA Report (and the referenced management plans listed in **Annex-1** of this Certificate) is implemented and adhered to.
- (ii) The Developer is liable for their operations and those of their contractors and/or assignees under the project; and shall ensure compliance with all the conditions of this certificate.
- (iii) Specific Environment Assessments shall be undertaken for any preferred option for lake water abstraction, flare system and power generation.
- (iv) Establish, maintain and implement an Environment Management System (EMS) in accordance with Section 49 of the National Environment Act No.5 of 2019.
- (v) Undertake Environmental Compliance Audits for all project components in accordance with section 126 of the National Environment Act No.5 of 2019 and the National Environment (Audit) Regulations.
- (vi) Update, review and submit the Environmental and Social Management Plan (ESMP) to the Authority for consideration.
- (vii) All records relating to environmental management of the project shall be kept in accordance with Section 176 and an annual report transmitted to this Authority, as required under Section 177 of the National Environment Act, No. 5, 2019.
- (viii) Put in place systems to monitor and report air quality, emissions, noise and vibrations, effluents and other discharges resulting from the project activities.
- (ix) Design and implement a biodiversity offset mechanism to address residual impacts of the project activities in accordance with Section 115 of the National Environment Act, No. 5 of 2019.

- (x) Mitigate any other undesirable environmental impacts that may arise due to implementation of the project, but were not foreseen during the assessment and by the time of issuing this approval in accordance with
- (xi) All proposed activities within the Victoria Nile Riverbank and Albert Nile Delta wetland (Ramsar Site) should be undertaken in accordance with National Environment (Wetlands, Riverbanks and Lakeshores Management) Regulations, S.I. No. 153-5.
- (xii) The proposed sites for the various Project components must be legally obtained in accordance with the Land Act, Cap 277 and other relevant laws of Uganda
- (xiii) No alien species and ornamentals should be introduced in the permitted project area including the Murchison Falls National Park.

**B. Permits, Licenses and other Authorizations**

- (i) The developer should consult and obtain written authorization from the Uganda Wildlife Authority (UWA), prior to implementation of any developments within the Murchison Falls National Park (MFNP).
- (ii) The developer should obtain all the necessary permits, licenses and approvals from this Authority and relevant Lead Agencies including: the Occupational Health and Safety Department (Ministry of Gender, Labour and Social Development), Directorate of Water Resources Management, Petroleum Authority of Uganda, Buliisa District Local Government, Nwoya District Local Government and Masindi District Local Government before commencement of the proposed project activities.
- (iii) No activity shall be undertaken within the protection zones of Lake Albert (200m) and River Nile (100m) without a permit as required under the National Environment (Wetland, Rivers and Lakeshore) Regulations S.I No.3, 2000.

**C. Standards**

- (i) Noise and vibrations generated during construction and/or operations of the project outside the National Park should not exceed the levels stipulated in the National Environment (Noise Standards and Control) Regulations, S.I No. 30/2003 as indicated in the Table 1 of this certificate.

Table 2: Maximum permissible noise and Vibrations limits

General Environment	At the boundary of the facility generating noise	
	Noise Limits dB (A) (L <sub>eq</sub> )	
Noise Levels	Day 6.00a.m - 10.00p.m	Night 10.00p.m - 6.00a.m
Residential + industry or small-scale production + commerce	60	50

Industrial	70	60
Residential buildings	50	35
<b>Acceptable limits</b>		
Vibrations at 10 – 50Hz frequency	12.5 mm/s	

- (ii) The developer shall, in accordance with section 106 of the National Environment Act, not emit noise beyond 60 dB(A) in Murchison Falls National Park.
- (iii) Noise abatement barriers should be installed at the boundary of the facility generating the noise beyond the threshold in conditions 9-C(i) and 9-C(ii).
- (iv) Ensure that waste water discharged from the various project facilities is in compliance with the limits prescribed in the National Environment (Standards for discharge of effluent into water or on land) Regulations, S.I. No. 153-3.
- (v) Discharge of produced water and hydrotest water into the environment is not permitted.
- (vi) Put in place measures to ensure that both surface and underground water resources are protected against contamination and/or pollution from the project activities in accordance with the Water Act, Cap.152 and the National Environment (Standards for Discharge of Effluent into Water and Land) Regulations, S.I. No. 153-3.
- (vii) Emissions resulting from project activities should not exceed the limits prescribed in **Table 3**.

Table 3: Ambient Air Quality Standards/Tolerance Limits

Pollutant	Time weighted Average in $\mu\text{g}/\text{m}^3$	Designated Areas		
		Industrial area	Residential, Urban, Rural & Other area	Controlled areas***
Sulphur oxides ( $\text{SO}_x$ );	Annual Average	80	60	15
	24 hours**	125	80	20
	One Hour	500	500	500
	Instant Peak (10 min)	500	500	500
Oxides of Nitrogen ( $\text{NO}_x$ );	Annual Average*	80	60	15
	24 hours**	150	80	30
	Instant Peak	940	500	
Nitrogen Dioxide	Annual Average	150	95	
	Month Average		150	
	24 Hours	100	190	
	One Hour		380	
	Instant Peak		940	
Respirable particulate matter(RPM) (<10mm)	Annual Average*	70	50	50
	24 hours**	150	100	75
Respirable particulate matter; $\text{PM}_{2.5}$	Annual Average	35	35	35
	24 hours	75	75	75
Particulate Lead (Pb)	Annual Average*	1	0.75	0.5
	24 hours**	1.5	1	0.75

	Month Average		2.5	
Carbon monoxide (CO) (mg/m <sup>3</sup> )	8 hours**	5	10	1
	1 hour	10	10	2
Total VOC (mg/m <sup>3</sup> )	8 hour**	6	6	6
Ozone	1-Hour	200	240	240
	8 hour (instant Peak)	100	100	100
Acid mist	10 hr	100		
Ammonia	24 hr	200		
Carbon dioxide (CO <sub>2</sub> ) (mg/m <sup>3</sup> )	8 hours**	16000	2	1
	1 hour	63000	4	2
Chlorine	24 hr	1450		
Hydrogen Sulphide	8 hr	15000		
	24 hours**	150g/m <sup>3</sup>		

#### **LEGEND**

- a) Values at Standard Temperature and Pressure (STP)
- b) \* Annual Arithmetic mean of minimum 104 measurements in a year taken twice a week 24 hourly at uniform interval
- c) \*\* 24 hourly/8 hourly values should be met 98 % of the time in a year. However, 2 % of the time, it may exceed but not on two consecutive days.
- d) Whenever and wherever two consecutive values exceed the limit specified above for the respective category, it would be considered adequate reason to institute regular/continuous monitoring and further investigations.
- e) \*The 24-hour limit may not be exceeded more than three times in one year;
- f) \*\* 24-hour limit may not be exceeded more than three times in one year micrograms/m<sup>3</sup>
- g) \*\*\* Not to be exceeded more than once per year average concentration
- h) Where measured components results from a combustion process, 10 % excess oxygen will be included. Excess air above 10 % will result in dilution of pollutants

#### **D. Chemicals management**

- (i) The developer shall not use chemicals prohibited under Section 70 of the National Environment Act, No.5 of 2019.
- (ii) Comply with the applicable National laws and the Globally Harmonized System (GHS) for classification and labelling of chemicals, in the transportation, storage, handling and disposal of chemicals.
- (iii) Maintain an up-to date list of chemicals used, their Material Safety Data Sheets and Risk Assessment Report; and avail this information to the Authority upon request.
- (iv) Equipment and substances used in the implementation of this project must comply with the National Environment (Management of Ozone Depleting Substances and Products) Regulations, S.I No.63/2001.

#### **E. Management plans**

- (i) Prepare and submit management plans as listed in **Annex 1** of this certificate, to this Authority, in any case not later than 30th June, 2020.
- (ii) Implement, report and review the management plans to demonstrate their effectiveness during project implementation

## **F. Waste management**

- (i) Ensure that all Petroleum waste generated during project implementation is managed in accordance with The Petroleum (Waste Management) Regulations, S.I No.3 of 2019.
- (ii) Manage any other waste (hazardous and non-hazardous) generated during project implementation in accordance with The National Environment (Waste Management) Regulations, S.I. No. 153-2.
- (iii) Remove all hazardous waste generated in the Murchison Falls National Park during project implementation within one day, unless otherwise authorized by Uganda wildlife Authority.

## **G. Design and construction**

- (i) Restrict the proposed developments/activities to the dimensions prescribed in the Environmental and Social Impact Statement (ESIS).
- (ii) Put in place adequate soil stabilization and erosion control measures during project implementation.
- (iii) Design and establish drainage systems that minimise pollution of the receiving environment at all project sites.
- (iv) Design, construct and operate project installations and facilities in a manner that prevents harm to the workers, community and wildlife; while maximizing the efficient use of resources
- (v) Strictly adhere to the building codes relevant to the category of buildings to be established under the project, in accordance with the Building Control Act, 2013.
- (vi) Ensure that the project infrastructural developments are synchronized with the physical development plans, management plans of the relevant host Authorities and/or District Local Governments.
- (vii) Ensure that all the project installations and equipment are designed in such a manner that blends with the natural environment.
- (viii) Put in place measures to limit un-authorized access to project sites during project implementation.
- (ix) Except for drilling works, all construction works in Murchison Falls National Park shall be limited to day time (i.e. 7am to 7pm).
- (x) Obtain clearance from the Civil Aviation Authority, for activities within 100metres of Aerodromes in the project area, before commencement of the project.
- (xi) Ensure that lighting at installations is designed in such a manner so as to minimise glare and light pollution to the surrounding environment.

## **H. Occupational Health Safety and Public Health**

- (i) Ensure that all operations including those of all contactors and sub-contractors are undertaken in compliance with the Occupational Safety and Health Act, 2006; and the Petroleum (Exploration, Development and Production) (Health, Safety and Environment) Regulations, 2016;
- (ii) Put in place appropriate and adequate onsite gender-sensitive sanitary facilities for project workers in accordance with the Public Health Act, Cap.281
- (iii) Provide safe drinking water for the workers in accordance with the Public Health Act, Cap.281
- (iv) Institute robust house-keeping practices/measures at the project sites and sensitize the project workforce on sound environmental management practices.
- (v) Establish designated smoking areas in accordance with the provisions of the Tobacco Control Act, 2015.

## **I. Social Aspects**

- (i) Undertake continuous community engagements in the project area on project activities as appropriate, including among others the opportunities and potential impacts, in an understandable language.
- (ii) Put in place sensitization and prevention programs for both workers and the host communities on the dangers of HIV/AIDS, Ebola Haemorrhagic Fever (Ebola), Hepatitis-B, and other communicable diseases.
- (iii) Put in place mechanisms to ensure that project implementation does not prevent use of public utilities by the host communities and tourists in Murchison Falls National Park.
- (iv) Ensure preservation of cultural heritage within the project area in accordance with the Institution of Traditional or Cultural Leaders Act, 2011 and Historical Monuments Act, 1968.
- (v) Institute policies and rules applicable to all project personnel to minimise fraternization that could lead to social disruptions.
- (vi) Put in place measures to ensure that within the Murchison Falls National Park, tourism activities retain priority and take precedence above project activities.
- (vii) Adhere to applicable traffic rules and regulations within and outside the Murchison Falls National Park, and manage fleet movement to minimize accidents, nuisances and disruptions to the project host communities.

- (viii) Ensure that project recruitment is undertaken in compliance with the Employment Act, 2006 and the Petroleum (Exploration, Development and Production) (National Content) Regulations, 2016.
- (ix) Put in place mechanisms to ensure that, while not compromising the effect of condition 9-I-(viii) above, project recruitment especially for unskilled labour prioritizes candidates from the host communities in the project area.
- (x) Prior to commencement of project activities, ensure that all Project Affected Persons (PAPs) are adequately compensated for equivalent loss occasioned by the project.
- (xi) Ensure that an effective grievance handling mechanism is instituted to appropriately handle any grievances that may arise from affected communities during project implementation.
- (xii) Put in place measures to protect workers including those engaged by third parties and vulnerable groups against discrimination and unfair treatment among others.
- (xiii) Put in place mechanisms, in consultation with UWA, to minimise and resolve the human-wildlife conflicts arising out of implementation of Project activities.

#### **10. NOTIFICATION CONDITIONS**

- (a) The Authority and relevant Lead Agencies should be notified of any negative effects of the project activities that were not contemplated during the Environmental & Social Impact Assessment, and issuance of this certificate.
- (b) Notify this Authority in writing, 30days in advance prior to any project site clearance.
- (c) Notify Uganda Wildlife Authority before commencement of any activity within Murchison Falls National Park.
- (d) Notify the Petroleum Authority of Uganda and this Authority of any malfunction of any system/ project component within 12 hours and corrective measures put in place.
- (e) Notify the Authority in writing three months prior to decommissioning of any component.

#### **11. DECOMMISSIONING PHASE CONDITIONS**

- (a) The developer shall prepare and submit to this Authority, a decommissioning plan for Project components with a life span of less than 10 years.



- (b) Project components with a life span of more than 10 years shall be subjected to an Environmental and Social Impact Assessment for decommissioning.

**12. RESTORATION PHASE CONDITIONS**

- (a) The developer shall be responsible for the restoration of any component of the environment that has been negatively impacted as a result of the project activities.
- (b) Restore/Rehabilitate all areas affected by project implementation to, as near as possible, the original state during the lifespan of the Project.
- (c) Prepare and submit comprehensive restoration plans to this Authority and the relevant Lead Agency for all approved project components to be decommissioned.

**13. SUSPENSION/WITHDRAWAL/CANCELLATION CONDITIONS**

- (a) The operations/activities under any specific project component shall be suspended if there is non-compliance with any of the Specific Conditions set out in this Certificate.
- (b) This Certificate of Approval maybe suspended/withdrawn/cancelled where;
  - (i) Unauthorized substantial modification of the project implementation or operations which may lead to adverse environmental and social impacts that were not evaluated at the time of issuing this Certificate.
  - (ii) Where there arise substantive undesirable effects that were not contemplated during the issuance of this Certificate of Approval.
  - (iii) The developer has no demonstrable capacity to address negative environmental and social impacts occasioned by the Project.
  - (iv) Any other reasons the Authority may consider relevant.

Dr. Tom O. Okurut  
**EXECUTIVE DIRECTOR**

c.c The Permanent Secretary,  
Ministry of Water and Environment,  
**LUZIRA.**

c.c The Permanent Secretary,  
Ministry of Energy and Mineral Development,  
**KAMPALA.**

- c.c The Permanent Secretary,  
Ministry of Works and Transport,  
**KAMPALA.**
- c.c The Permanent Secretary,  
Ministry of Lands, Housing and Urban Development,  
**KAMPALA.**
- c.c The Permanent Secretary,  
Ministry of Gender, Labour and Social Development,  
**KAMPALA.**
- c.c The Executive Director,  
Petroleum Authority of Uganda,  
**ENTEBBE.**
- c.c The Executive Director,  
Uganda Wildlife Authority,  
**KAMPALA.**
- c.c The Executive Director,  
Civil Aviation Authority,  
**ENTEBBE.**
- c.c The Executive Director,  
Uganda National Roads Authority,  
**KAMPALA.**
- c.c The Managing Director,  
Uganda Railways Corporation,  
**KAMPALA.**
- c.c The Director,  
Directorate of Water Resources Management,  
Ministry of Water and Environment,  
**KAMPALA.**
- Cc The Director,  
Directorate of Environmental Affairs,  
Ministry of Water and Environment,  
**KAMPALA.**
- Cc: The Commissioner,  
Occupational Safety and Health Department,  
Ministry of Gender, Labour and Social Development,  
**KAMPALA.**
- c.c The Chief Administrative Officer,  
Buliisa District Local Government,  
**BULIISA.**

c.c The Chief Administrative Officer,  
Masindi District Local Government,  
**MASINDI.**

Cc: The Chief Administrative Officer,  
Nwoya District Local Government,  
**NWOYA.**

c.c The Environment Officer,  
Buliisa District Local Government,  
**BULIISA.**

c.c The Environment Officer,  
Masindi District Local Government,  
**MASINDI.**

c.c The Environment Officer,  
Nwoya District Local Government,  
**NWOYA.**

# ANNEX-1: Management Plans

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## 1. Overarching Strategies & Mechanisms

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- (a) Community Impact Management Strategy
- (b) Influx Management Strategy
- (c) National and Community Content Strategy / Framework
- (d) Stakeholder Engagement Plan
- (e) Grievance Management Procedure
- (f) Biodiversity Strategy
- (g) HSE Management System

## 2. Social

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- (a) Resettlement Action Plan (RAP)
- (b) Livelihood Restoration Plan
- (c) Labour Management Plan
- (d) Cultural Heritage and Archaeology Management Plan (CHMP)
- (e) Chance Find Procedure (CFPr)
- (f) Community Content, Economic Development and Livelihood Plan (CCEDLP)
- (g) Community Health, Sanitation, Safety, and Security Plan (CHSSSP);
- (h) Community Environmental Conservation Plan (CECP)
- (i) Tourism Management Plan
- (j) Road Safety and Transport Management Plan
- (k) Journey Management Plan

## 3. Biodiversity

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- (a) Biodiversity and Ecosystem Services Management Plan
- (b) Biodiversity and Ecosystem Services Action Plan
- (c) Alien/Invasive Species Management Plan
- (d) Site Clearance Plan
- (e) Site Restoration Plan
- (f) Wetland Management Plan

## 4. Physical Environment

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- (a) Physical Environment Monitoring Plan
- (b) Surface Run Off and Drainage Management Plan
- (c) Dust Control Plan
- (d) Noise and Vibration Management Plan
- (e) Waste Management Plan
- (f) Chemical Management Plan
- (g) Water Management Plan
- (h) Landscape Management Plan

## 5. Emergency Preparedness

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- (a) Spill Prevention Plan
- (b) Oil Spill Contingency Plan (OSCP)
- (c) Emergency Preparedness and Response Plan (ERP)
- (d) Blow Out Contingency Plan (BOCP)
- (e) Frack Out Plan
- (f) Produced water contingency Management Plan

## Annex 2: Project Component Coordinates **(TO BE UPDATED)**

Project Component	Location	Coordinates ( UTM 36 N)		Project Component	Location	Coordinates ( UTM 36 E)	
<b>WELL PADS</b>				<b>WELL PADS</b>			
GNA-01	Kisomere Village Ngwedo Subcounty Buliisa District	330933	244136	KGG-05	Gotlyech Village Buliisa Subcounty Buliisa District	334547	237690
		331241	244136			334854	237690
		331241	243924			334854	237508
		330933	243924			334547	237508
GNA-02	Kilyango Village Ngwedo Subcounty Buliisa District	333328	245970	KGG-06	Kichoke Bugana Village Buliisa Subcounty Buliisa District	330100	232242
		333510	245970			330444	232242
		333510	245664			330444	232030
		333328	245664			330100	232030
GNA-03	Uduk II Village Ngwedo Subcounty Buliisa District	332133	242072	KGG-09	Kijumbya Village Buliisa Subcounty Buliisa District	332947	233172
		332449	242072			333240	233172
		332449	241890			333240	232990
		332133	241890			332947	232990
GNA-04	Avogera Village Ngwedo Subcounty Buliisa District	333211	243829	KW-01	Kityanga Village Buliisa TC Subcounty Buliisa District	321754	234642
		333536	243829			322091	234642
		333536	243647			322091	234430
		333211	243647			321754	234430
JBR-01	MFNP Purongo Subcounty Nwoya District	331425	251466	KW-02A	Kakindo Village Buliisa TC Subcounty Buliisa District	323688	236100
		331801	251466			324055	236100
		331801	251246			324055	235858
		331425	251246			323688	235858
JBR-02	MFNP Purongo Subcounty Nwoya District	332644	251978	KW-02B	Kisiomo Village Buliisa TC Subcounty Buliisa District	322466	236667
		332908	251825			322767	236667
		332813	251660			322767	236444
		332549	251813			322466	236444
JBR-03	MFNP Purongo Subcounty Nwoya District	331923	254138	NGR-01	Kasinyi Village Ngwedo Subcounty Buliisa District	328459	244960
		332289	254138			328759	244960
		332289	253918			328759	244778
		331923	253918			328459	244778
JBR-04	MFNP Purongo Subcounty Nwoya District	333381	254369	NGR-02	Kasinyi Village Ngwedo Subcounty Buliisa District	326375	243714
		333721	254369			326627	243462
		333721	254160			326477	243312
		333381	254160			326225	243564
JBR-05	MFNP Purongo Subcounty Nwoya District	332747	256558	NGR-03A	Kirama Village Kigwera Subcounty Buliisa District	322877	240918
		333108	256558			323187	240739
		333108	256338			323093	240583
		332747	256338			322786	240760
JBR-06	MFNP Purongo Subcounty Nwoya District	333583	257009	NGR-05A	Kirama Village Kigwera Subcounty Buliisa District	325182	241368
		333918	257009			325529	241368
		333918	256819			325529	241126
		333583	256819			325182	241126
JBR-07	MFNP Purongo Subcounty Nwoya District	333427	258639	NGR-06	Bukongolo, Kigwera NE Village Kigwera Subcounty Buliisa District	324596	239982
		333771	258639			324859	239831
		333771	258419			324753	239647
		333427	258419			324490	239799
JBR-08	MFNP Purongo Subcounty Nwoya District	333862	259491	NSO-01	Ngwedo Village Ngwedo Subcounty Buliisa District	331407	239466
		334147	259326			331788	239466
		334052	259161			331788	239254
		333767	259326			331407	239254
JBR-09	MFNP Purongo Subcounty Nwoya District	333877	261916	NSO-02	Ngwedo farm Village Ngwedo Subcounty Buliisa District	333745	238291
		334218	261916			334032	238291
		334218	261696			334032	238109
		333877	261696			333745	238109
JBR-10	MFNP Purongo Subcounty Nwoya District	328629	248137	NSO-03	Kibambura Village Ngwedo Subcounty Buliisa District	328022	238332
		329073	248137			328387	238332
		329073	247917			328387	238120
		328629	247917			328022	238120
KGG-01	Oriibo Village Buliisa Subcounty Buliisa District	333511	235963	NSO-04	Kibambura Village Ngwedo Subcounty Buliisa District	329465	236044
		333832	235963			329756	236044
		333832	235781			329756	235862
		333511	235781			329465	235862
KGG-03	Beroya Village Buliisa Subcounty Buliisa District	334564	234721	NSO-05	Kibambura Village Ngwedo Subcounty Buliisa District	331243	237136
		334883	234721			331545	237136
		334883	234539			331545	236954
		334564	234539			331243	236954
KGG-04	Kichoke Bugana, Kijumbya Village Buliisa Subcounty Buliisa District	331100	234009	NSO-06	Uduk I, Ngwedo farm Village Ngwedo Subcounty Buliisa District	333295	240321
		331427	234009			333611	240321
		331427	233756			333611	240139
		331100	233756			333295	240139

Project Component	Location	Coordinates ( UTM 36 N		Project Component	Location	Coordinates ( UTM 36	
<b>FLOW LINES</b>				<b>FLOW LINES</b>			
GNA-01 to CPF	Kasinyi, Kisomere Village	331192	243924	KG-09 to KG-04	Kijumbya, Kichoke Bugana Village	332947	233103
GNA-01 to CPF	Ngwedo Subcounty Buliisa District	328618	241601		Buliisa Subcounty Buliisa District	331246	233756
GNA-02 to GNA-04	Kilyango, Avogera	333495	245664	KW-01 to KW-02A	Kityanga, Kizongi, Kisiomo, Kakindo	322079	234642
GNA-02 to GNA-04	Village	333226	243829			324039	235858
GNA-04 to GNA-01	Avogera, Kisomere	333211	243762	KW-02A to KW-02B	Kakindo, Kisiomo Village	324040	236100
GNA-04 to GNA-01	Village	331240	244071			322767	236652
GNA-04 to GNA-03	Avogera, Uduk II Village	332434	242072	KW-02B to NGR-06	Kisiomo, Kakindo, Kisanya E,	322767	236651
		333211	243762			324740	239655
JBR-02 to JBR-01	MFNP Purongo Subcounty	332553	251819	NGR-02 to NGR-01	Kasinyi Village	326616	243472
JBR-02 to JBR-01	Nwoya District	331786	251466		Ngwedo Subcounty Buliisa District	328459	244794
JBR-03 to JBR-01	MFNP Purongo Subcounty	332258	253918	NGR-03A to NGR-05A	Kirama Village	323131	240806
	Nwoya District	331786	251466		Kigwera Subcounty Buliisa District	325183	241173
JBR-04 to JBR-03	MFNP Purongo Subcounty	333381	254179	NGR-05A to CPF	Kirama, Kasinyi Village	325529	241141
	Nwoya District	332291	254073		Kigwera, Ngwedo Subcounty	328619	241601
JBR-05 to JBR-03	MFNP Purongo Subcounty	333088	256338	NGR-06 to NGR-05A	Bukongolo, Kigwera NE, Kirama Village	324846	239838
	Nwoya District	332290	254072		Kigwera Subcounty Buliisa District	325229	241126
JBR-06 to JBR-05	MFNP Purongo Subcounty	333587	256819	NIV to CPF via NGR-01		328992	245694
	Nwoya District	333093	256558		Kasinyi Village	328475	244960
JBR-07 to JBR-06	MFNP Purongo Subcounty	333750	258419		Ngwedo Subcounty Buliisa District	328473	244778
	Nwoya District	333599	257009			328619	241601
JBR-08 to JBR-07	MFNP Purongo Subcounty	333782	259317	NIV to NIV	Kasinyi Village	329234	247096
	Nwoya District	333757	258639		Purongo, Ngwedo Subcounty	328992	245694
JBR-09 to JBR-08	MFNP Purongo Subcounty	334201	261696	NSO-01 to NSO-05	Ngwedo, Kibambura Village	331741	239254
	Nwoya District	333875	259483		Ngwedo Subcounty Buliisa District	331258	237136
JBR-10 to JBR-01	MFNP Purongo Subcounty	328987	248137	NSO-02 to NSO-06	Uduk I, Ngwedo farm Village	333760	238291
	Nwoya District	331671	251246		Ngwedo Subcounty Buliisa District	333311	240139
KG-01 to KG-04	Oriibo, Kichoke Bugana Village	333530	235781	NSO-03 to CPF	Kibambura, Kasinyi Village	328368	238332
	Buliisa Subcounty Buliisa District	331427	233993		Ngwedo Subcounty Buliisa District	328618	241601
KG-03 to KG-01	Beroya, Oriibo Village	334564	234667	NSO-04 to NSO-03	Kibambura Village	329481	236044
	Buliisa Subcounty Buliisa District	333530	235781		Ngwedo Subcounty Buliisa District	328387	238215
KG-04 to NSO-04	Kichoke Bugana, Kijangi, Kijumbya, Kibambura Village	331135	234009	NSO-05 to NSO-03	Kibambura, Ngwedo Village	331258	237136
	Buliisa, Ngwedo	329492	235862		Ngwedo Subcounty Buliisa District	328387	238253
KG-05 to NSO-02	Gotlyech, Ngwedo farm Village	334547	237637	NSO-06 to NSO-01	Uduk I, Ngwedo Village	333310	240139
	Buliisa, Ngwedo Subcounty	333791	238109		Ngwedo Subcounty Buliisa District	331788	239396
KG-06 to KG-04	Kichoke Bugana Village	330431	232242	Water station to KW-02B	Kisiomo Village	321018	236788
	Buliisa Subcounty Buliisa District	331115	233756		Buliisa TC	322466	236653
					Subcounty Buliisa District		

Project Component	Location	Coordinates ( UTM 36 N)		Project Component	Location	Coordinates ( UTM 36 E)			
<b>OTHERS</b>				<b>BORROW PITS</b>					
Water Abstraction Point	Kisiomo Village Buliisa TC Subcounty Buliisa District	321022	236788	Ajigo Borrow Pit 1	Ajigo, Mwule I Village Ngwedo Subcounty Buliisa District	335336	240509		
Victoria Nile Pipeline HDD Crossing - North	MFNP Purongo Subcounty Nwoya District	329237	247111			335253	240448		
Victoria Nile Pipeline HDD Crossing - South	Kasinyi Village Ngwedo Subcounty Buliisa District	328992	245693			335225	240492		
Victoria Nile Ferry Crossing - North	MFNP Purongo Subcounty Nwoya District	340806	252859			335226	240791		
Victoria Nile Ferry Crossing - South	Paraa Village Ngwedo Subcounty Buliisa District	340648	252361			335528	240824		
Industrial Area	Kasinyi, Kibambura, Kisomere, Uduk II Village Ngwedo Subcounty	330101	242958			335537	240667		
		330687	241578			335481	240661		
		328800	240777			335476	240790		
		328214	242157			335388	240785		
CPF	Kasinyi Village Ngwedo Subcounty Buliisa District	328423	242061			335383	240753		
		329343	242452		335312	240730			
		329734	241532		335350	240615			
		328814	241141		335297	240604			
Buliisa Camp	Nyapea Village Buliisa TC Subcounty Buliisa District	325608	233596		335308	240540			
		325874	233463	Avogera Borrow Pit	334889	244038			
		325746	233191	Kamandindi Village Ngwedo Subcounty Buliisa District	334918	244060			
		325478	233327		334941	244036			
Bugungu Camp	Mvule I Village Ngwedo Subcounty Buliisa District	336971	241734		334888	243997			
		336778	241829		334830	244076			
		336820	241913	334851	244088				
		336825	241912	Buligi Track Borrow Pit	334599	255042			
Tangi Camp	Buliisa TC Subcounty Buliisa District	336856	241964	MFNP Purongo Subcounty Nwoya District	334576	255003			
		336946	241921		334565	254964			
		336956	241942		334490	254989			
		337040	241906		334532	255077			
	MFNP Purongo Subcounty Nwoya District	336198	271467	GWOT Afowoyo Borrow Pit 1	MFNP Purongo Subcounty Nwoya District	339472	273446		
		336524	271566			339391	273539		
		336403	271956			339491	273597		
		336874	272411			339568	273503		
		336802	272485			GWOT Afowoyo Borrow Pit 2	MFNP Purongo Subcounty Nwoya District	339172	272143
		336622	272338					339350	272223
336363	272076	339345	271919						
336232	271945	339441	271934						
336156	271866	339448	272123						
336112	271816	339403	272116						
Bugungu Airstrip	MFNP Masindi District	336118	271793	339412	272252				
		340154	244496	339546	272284				
		340338	244272	339560	271850				
		338434	242711	339194	271812				
		338250	242935						

Project Component	Location	Coordinates ( UTM 36 N		Project Component	Location	Coordinates ( UTM 36	
<b>BORROW PITS</b>				<b>BORROW PITS</b>			
Jobi 6 - 3 Borrow Pit	MFNP Purongo Subcounty Nwoya District	332973	253368	Kisomere Community Borrow Pit	Kisomere Village Ngwedo Subcounty Buliisa District	331099	244713
		332971	253486			331088	244757
		333079	253487			331144	244772
		333079	253368			331156	244729
Kilyango Borrow Pit	Kilyango Village Ngwedo Subcounty Buliisa District	332535	245086	Pakuba Airstrip Borrow Pit 2	MFNP Purongo Subcounty Nwoya District	331460	265445
		332476	245043			331611	265488
		332436	245093			331618	265464
		332494	245132			331561	265447
Kisomere Borrow Pit 1	Kisomere Village Ngwedo Subcounty Buliisa District	331016	244713	Till 1 Borrow Pit	MFNP Purongo Subcounty Nwoya District	331578	265386
		330946	244746			331630	265402
		330978	244813			331634	265388
		331044	244779			331493	265340
Kisomere Borrow Pit 2	Kisomere Village Ngwedo Subcounty Buliisa District	331078	244818	Uduku Borrow Pit	Uduk I Village Ngwedo Subcounty Buliisa District	353528	262759
		331120	244798			353274	262673
		331110	244777			353231	262827
		331044	244814			353496	262859
		331072	244881	334220	241371		
		331110	244853	334199	241300		
		331105	244842	334120	241330		
331087	244845	334141	241394				
Kisomere Borrow Pit 3	Kisomere Village Ngwedo Subcounty Buliisa District	331155	244900	UWA Begeri Park Borrow Pit	MFNP Budongo Subcounty Masindi District	334285	241519
		331170	244954			334248	241398
		331232	244939			334162	241417
		331217	244883			334209	241534
Kisomere Borrow Pit 4	Kisomere Village Ngwedo Subcounty Buliisa District	331387	244794	UWA Park Borrow Pit (Alternative)	MFNP Budongo Subcounty Masindi District	339151	243808
		331414	244825			339553	244109
		331415	244859			339652	244003
		331452	244860			339259	243693
		331496	244880	340224	245827		
		331531	244831	340329	245828		
Kisomere Borrow Pit 5	Kisomere Village Ngwedo Subcounty Buliisa District	331218	244384	UWA Park Borrow Pit 4	MFNP Purongo Subcounty Nwoya District	340329	245778
		331246	244391			340225	245778
		331261	244345			331779	264298
		331230	244338			331866	264277
Kisomere Borrow Pit 6	Kisomere Village Ngwedo Subcounty Buliisa District	332023	244198			331815	264115
		332008	244221			331722	264140
		332056	244251				
		332071	244227				



Project Component	Location	Coordinates ( UTM 36 N		Project Component	Location	Coordinates ( UTM 36	
<b>ROADS</b>				<b>ROADS</b>			
A1	Avogera, Kamandindi, Kasinyi, Kirama, Kisomere, Uduk II	324837	241429	D9	Kilyango Village	333510	245677
		330224	242998		Ngwedo Subcounty	333588	245509
		335297	243874	D10	Uduk II Village	332133	241940
A2	Bukongolo, Kibambura, Kigwera NE, Kigwera NW,	321681	239830		Ngwedo Subcounty	331917	241839
		326150	237308	D11	Avogera Village	333393	243647
		331261	237560		Ngwedo Subcounty	333323	243122
A3	Kichoke Bugana, Kijangi, Kijumbya, Kitahura, Kizikya,	324163	231215	D12	Kityanga Village	321862	234430
		329273	233843		Buliisa TC	321847	234392
		333977	234984	D13	Kakindo Village	323296	236277
A4	Kisomere, Ngwedo, Oriibo, Uduk I, Uduk II Village	331556	242872		Buliisa TC	323688	236093
		332499	239096	D14	Ngwedo, Uduk I Village	331788	239376
		333954	234888		Ngwedo Subcounty	332421	239368
B1	Bukongolo, Kibambura Village	327418	236983	D15	Ngwedo farm Village	333529	239195
	Kigwera, Ngwedo	328200	236409		Ngwedo Subcounty	333767	238347
		328566	235619		Buliisa District	333767	238291
B2	Kibambura, Kijangi Village	328566	235619	D16	Kibambura Village	328224	238120
	Buliisa, Ngwedo	327513	233664		Ngwedo Subcounty	328307	237345
C1	MFNP Purongo Subcounty Nwoya District	334401	266054	D17	Kibambura Village	329470	236270
		334454	265794		Ngwedo Subcounty	329500	236068
		334215	265266		Buliisa District	329500	236044
		334322	264545	D18	Kibambura Village	331483	237722
		334418	264184		Ngwedo Subcounty	331507	237459
		334615	263783		Buliisa District	331277	237136
		334619	263612	D19	Ngwedo farm, Uduk I Village	333330	240139
		334508	263389		Ngwedo Subcounty	333330	239899
		334418	263206		Buliisa District	333114	239633
		334377	262805		Buliisa District	332683	239468
		334314	262675	D20	Oriibo Village	333836	235978
		334144	262533		Buliisa Subcounty	333808	235963
		334031	262411	D22	Beroya, Oriibo Village	334022	235106
		333991	261937		Buliisa Subcounty	334093	235026
W1	Kisiomo Village	321022	236788	D23	Kichoke Bugana Village	331230	234079
	Buliisa TC Subcounty	321646	236000			331259	234009
	Buliisa District	322854	236447	D24	Gotlyech, Ngwedo farm Village	333827	238109
M1	Palingi Village	359493	193977			334568	237647
	Masindi District	359736	193554	D25	Kichoke Bugana Village	331100	233770
		359737	193012		Buliisa Subcounty	330598	232753
N1	Kasinyi Village	329141	242659		Buliisa Subcounty	330410	232242
	Ngwedo Subcounty	329185	242523	D26	Kichoke Bugana, Kijumbya Village	331286	233756
	Buliisa District	329233	242373		Buliisa Subcounty	331493	233639
N2	Bukongolo, Kigwera NE, Kigwera SE, Kirama Village	325059	241521		Buliisa District	331984	233274
		325031	240024			332947	233122
		324382	238548	D27	Kisiomo Village	322767	236632
D1	Kasinyi Village	328459	244868		Buliisa TC	322805	236632
	Ngwedo Subcounty	328395	244100		Subcounty	322831	236636
	Buliisa District	328600	243257	W3 beach road		321343	237051
D2	Kasinyi Village	326526	243360			321374	236971
	Ngwedo Subcounty	326617	242958			321424	236889
	Buliisa District	326579	242592		Kisiomo Village	321471	236766
D3	Kichoke, Kirama Village	322895	241078		Buliisa TC		
	Kigwera Subcounty				Subcounty	321490	236673
	Buliisa District	322924	240925		Buliisa District		
D5	Kirama Village	325183	241282			321503	236576
	Kigwera Subcounty						
	Buliisa District	325049	241288			321529	236499
D6	Bukongolo, Kigwera NE Village	325001	240272	W3	Kisiomo Village	322779	236675
		324900	240253		Buliisa TC	322453	236675
	Kigwera Subcounty	324727	239921		Subcounty	321900	236726
D8	Kisomere Village	330904	244457		Buliisa District	321420	236770
	Ngwedo Subcounty						
	Buliisa District	331053	244136				