

RESETTLEMENT ACTION PLAN; UGANDA

EAST AFRICAN CRUDE OIL PIPELINE PROJECT

TOTAL EAST AFRICA MIDSTREAM BV

MARCH 2021

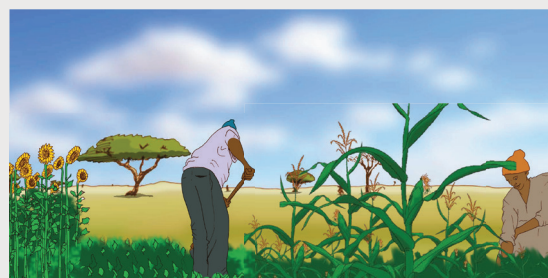


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APPENDICES

Appendix A: Ugandan Legal, Policy & Institutional Framework

Appendix B: Socio-Economic Household Questionnaire

Appendix C: Summary of Issues Raised at RAP Planning Engagements

Appendix D: Survey Forms: D1 Land Survey Form; D2 Rectification Application Form; D3 Valuation Form.

Appendix E: EACOP Project Grievance Forms

ABBREVIATIONS AND ACRONYMS

Term	Description
AfDB	African Development Bank
AGI	Above-Ground Installation
ATWS	Additional Temporary Work Space
BLB	Buganda Land Board
bpd	Barrels per day
B.V.	Besloten Vennootschap
CBO	Community Based Organization
CFR	Central Forest Reserve
CGV	Chief Government Valuer
CHMP	Cultural Heritage Management Plan
CLO	Community Liaison Officer
CPF	Central Processing Facility
CNOOC	China National Offshore Oil Corporation
CSO	Civil Society Organization
CUL	CNOOC Uganda Limited
dbh	Diameter at breast height
DFID	Department for International Development
DLB	District Land Board
EACOP	East African Crude Oil Pipeline
E&P	Exploration & Production
EHSS	Environmental Health, Safety and Security
EHT	Electrical Heat Tracing
EIA	Environmental Impact Assessment
EPs	Equator Principles
ESIA	Environmental and Social Impact Assessment
EW	Early Works
FEED	Front End Engineering Design
FGD	Focus Group Discussion
FPIC	Free Prior and Informed Consent
GCALA	Guidelines for Compensation Assessment and Land Acquisition
GIIP	Good International Industry Practice
GNSS	Global Navigation Satellite System
GoT	Government of Tanzania
GoU	Government of Uganda

Term	Description
ha	Hectares
HGA	Host Government Agreement
HH	Household
ICP	Informed Consultation and Participation
ICS	Infra-Consulting Services Ltd
IFC	International Finance Corporation
IFC PS	International Finance Corporation Performance Standards on Environmental and Social Sustainability
IFI	International Financial Institution
IGA	Inter-Governmental Agreement
IRCU	Inter-religious Council of Uganda
ITRF 2005	International Terrestrial Reference Frame 2005
JRJ	Job Record Jacket
JV	Joint Venture
Kbpd	Kilo barrels per day
KII	Key Information Interview
KPI	Key Performance Indicator
Km	Kilometer
KP	Kilometre Point
LAA	Land Acquisition Act
LARF	Land Acquisition & Resettlement Framework
LC	Local Council
LRP	Livelihood Restoration Plan
MCPY	Main Camp & Pipe Yards
MEMD	Ministry of Energy and Mineral Development
MGLSD	Ministry of Gender, Labour and Social Development
MLBV	Main Line Block Valves
MJCA	Ministry of Justice and Constitutional Affairs
MoH	Ministry of Health
MFPED	Ministry of Finance, Planning and Economic Development
MLHUD	Ministry of Lands Housing and Urban Development
MST	Marine Storage Terminal
MTWA	Ministry of Tourism, Wildlife and Antiquities
MWE	Ministry of Water and Environment
MZOs	Ministerial Zonal Offices

Term	Description
NEMA	National Environment Management Authority
NGO	Non-Government Organization
PA	Priority Area
PAH	Project Affected Household
PAP	Project Affected Person
PAU	Petroleum Authority of Uganda
PPT	Pipeline Project Team
PS	Pump Station
PUF	Polyurethane Foam
RAP	Resettlement Action Plan
RC	Resettlement Committee
RDC	Resident District Commissioner
SEP	Stakeholder Engagement Plan
SPSS	Scientific Package for Social Scientists
TEAM B.V.	Total East Africa Midstream B.V.
TEPU	Total Exploration and Production Uganda
TM 35	Transverse Mercator 35
TPDC	Tanzania Petroleum Development Corporation
TUOP	Tullow Uganda Operations Pty Ltd.
ULC	Uganda Land Commission
UNGC	United Nations Global Compact
UNOC	Uganda National Oil Company
UNBS	Uganda National Bureau of Standards
UNRA	Uganda National Roads Authority
URC	Uganda Railways Corporation
UTM	Universal Transverse Mercator
VIP	Ventilated Improved Pit
VP	Vulnerable People
VPP	Vulnerable Peoples Plan
VPSHR	Voluntary Principles on Security and Human Rights
VR	Valuation Report
WGS	World Geodetic System

GLOSSARY OF TERMS

Term	Description
Acres per hectare	One acre is equivalent to 0.4 hectares (ha).
Arc 1960	A geodetic reference datum system first defined in 1960-01-01; it references Clarke 1880 (RGS) ellipsoid and the Greenwich prime meridian. It is currently the national horizontal survey reference datum in Uganda.
Asset inventory survey	A survey undertaken to identify and assess all assets by owner and / or rights holder.
Census	A survey of all persons who will be displaced by a project that captures all appropriate socio-economic baseline data of affected persons and their households and records their assets to determine eligibility for compensation and other support.
Community	A group of individuals broader than the household, who identify themselves as a common unit due to recognized social, religious, economic or traditional Government ties, or through a shared locality.
Compensation	Monetary payment or in-kind payment for an asset such as land and improvements on land, or a resource that is acquired or affected by a project.
Compulsory Acquisition / Expropriation	The power of government to acquire land rights or right in land in the public interest without the willing consent of the owner or occupant.
Construction access road	An access road that links with the existing road network to provide access to construction facilities and the pipeline construction corridor.
Construction Corridor	A corridor used as workspace within which to construct the pipeline.
Construction facilities	Facilities that will be required to facilitate construction of the Project, including construction camps, lay-down areas, construction access roads and other facilities required for storage of equipment.
Cut-off date	Designated date of completion of the census and assets inventory of persons affected by the Project. All Affected Communities are notified in advance of the cut-off date. Persons occupying the Project Area after the Cut-off Date shall not be eligible for compensation and/or resettlement assistance. Similarly, fixed assets (such as built permanent structures, crops, fruit trees, and woodlots) established after proper disclosure of the date of completion of the assets inventory shall not be compensated.
Displacement	The physical, economic, social and / or cultural uprooting of a person, household, social group or community as a result of the project.
Economic Displacement	Loss of assets (including land), or loss of access to assets, leading to loss of income or means of livelihood as a result of project-related land acquisition or restriction of access to natural resources. People or enterprises that may be economically displaced with or without experiencing physical displacement.
Eligibility	Entitlement to compensation and assistance due displacement impacts resulting from Project required land acquisition, revocation of rights and / or the expropriation of property.
Encroachment	The unauthorized use of land in a project land footprint in violation of the terms by which project land was established. Encroachers include people settling and / or using land after a cut-off date has been instated.
Entitlements	Compensation offered to persons, households, groups and / or communities physical and / or economically displaced by the Project. This includes (but is not limited to): financial compensation; the right to participate in livelihood restoration programs;

Term	Description
	housing, service provision, transport assistance, and other short-term assistance required to move from one site to another.
Entitlement Framework	Describes compensation for both physical and economic losses due to resettlement or displacement and identifies categories of people who will be eligible to receive compensation as a result of these losses.
Geographic Information System (GIS)	A combination of computer hardware, software and data that is used to capture, maintain, analyze and display information related to the geographic location of features and facilities.
Good International Industry Practice	Practices applied to the Project to achieve the best possible results when managing social and environmental impacts.
Grievance	A matter considered by a Project Affected Person (PAP) / community member to be unjust or unfair as a result of Project activities that causes distress.
Household	An individual or group of persons living together, in an individual house or compound, who share the same cooking and eating facilities, and operate as a single socio-economic and decision-making unit.
Hydrostatic testing	A controlled process to confirm the threshold measurement for the safe operation of the pipeline. Sections of the pipeline are filled with water and pressurized for a certain time to allow for the identification of defects or leaks. It is usually performed following new pipeline construction before the actual product (e.g. crude oil) is introduced into the system.
IFC	International Finance Corporation, a division of the World Bank Group, which provides investment and advisory services to private sector projects in developing countries, with the goal of ensuring everyone benefits from economic growth.
International Finance Corporation (IFC) Performance Standards (PSs)	The global benchmark for environmental and social risk management in the private sector.
IFC PS5	The IFC's performance standard for dealing with Land Acquisition and Involuntary Resettlement.
Injurious Affection	The loss value if any, to the residue lands caused by the operation of the public works and infrastructure development.
Institutional Structures and Infrastructure	Buildings, structures and facilities for the public, Government and religious use, such as schools and churches, within the Project Area, and is used for the purpose for which they were established at the Entitlement Cut-Off Date.
Involuntary Resettlement	Resettlement is considered involuntary when affected individuals or communities do not have the right to refuse land acquisition that will result in displacement. This occurs in cases of lawful compulsory acquisition or restrictions on land use based on eminent domain; and in cases of negotiated settlements in which the buyer can resort to compulsory acquisition or impose legal restrictions on land use if negotiations with the seller fail.
Land Acquisition	Land acquisition includes both outright purchases of property and purchases of access rights, such as rights-of-way.
Licensee	A person who has entered another person's land for some specific purpose, which without such authorization would amount to trespass. The licensee neither has exclusive possession nor an interest in the land

Term	Description
Livelihood	A livelihood comprises the capabilities, assets and activities required for a person to make a living such as: wages from employment; cash income earned through an enterprise or through sale of produce, goods, handicrafts or services; rental income from land or premises; income from a harvest or animal husbandry; share of a harvest (such as various sharecropping arrangements) or livestock production; self-produced goods or produce used for exchange or barter; self-consumed goods or produce, food, materials, fuel and goods for personal or household use or trade derived from natural or common resources; pensions; various types of government allowances (child allowances, special assistance for the very poor); and remittances from family or relatives.
Livelihood Restoration Plan (LRP)	A plan intended to set out how to replace or restore livelihoods lost or reduced as a result of a project. The plan aims to restore, or if possible, improve, the quality of life and standard of living of affected parties and ensure food security through the provision of economic opportunities and income generating activities of affected property owners and their households.
Load-out Facility (LOF)	Located offshore, the LOF is used to transfer product from the MST onto marine tankers for shipment to end users.
Main Line Block Valve Stations (MLBV)	A mechanical device (valve) installed in a pipeline that can be closed to block the flow of product (crude oil) through the pipeline. MLBVs are located at major crossing points and are used to stop the flow of product through the pipeline and isolate a segment of the pipeline system or a component of the system.
Main Camp and Pipe Yard (MCPY)	A camp consisting of temporary housing, offices, pipe yard kitchen, dining hall and recreation areas. The adjoining pipe yard is where coated pipeline sections are stored before being transported to the construction corridor.
Marine Storage Terminal (MST)	An area close to the coast consisting of a number of external floating roof tanks with discharge pumps and support systems where product will be stored before it is transported to the end user via the offshore LOF.
Midstream Sector	The midstream (oil and gas) sector involving the transportation, e.g. by pipeline, storage and wholesale marketing, of crude or refined petroleum products.
Orphaned/Residual Land	Project-related land acquisition will place land-use restrictions which may limit the usefulness of the residual land not affected by the project. Similarly, access to remaining land may be restricted. These small, uneconomic parcels of land are termed 'orphaned land' / 'residual land'.
Physical Displacement	Loss of permanently occupied house / apartment, dwelling or shelter as a result of Project-related land acquisition that requires the affected person(s) to move to another location.
Pipe Yard	An area where coated pipeline sections are stored during construction before being transported to the construction corridor.
Pipeline	Includes all parts of those physical facilities through which oil moves in transportation. It includes but is not limited to: line pipe, valves and other appurtenances attached to the pipe, pumping / compressor units and associated fabricated units, metering, regulating and delivery stations, and holders and fabricated assemblies located therein, and breakout tanks.
Pipeline Component	Some feature or part of a pipeline, such as pipe, valves, fittings and flanges.
Priority Areas	The four Proposed Main Camps and Pipe Yards (MCPY) sites in Kakumiro, Mubende, Sembabule and Kyotera Districts

Term	Description
Project Affected Household	Individuals who are part of families affected by the Project's development are collectively referred to as Project Affected Households (PAHs), which includes members of a household, whether related or not, operating as a single socio-economic and decision-making unit, who are affected by the Project. As per UNBS, a household is defined as a person or group of persons who normally cook, eat and live together irrespective of whether they are related or unrelated.
Project-affected Person	Project Affected Persons (PAPs) which includes any individual who, as a result of the land acquisition required for the Project, loses the right to own, use, or otherwise benefit from a built structure, land (residential, agricultural, pasture or undeveloped / unused land), annual or perennial crops and trees, or any other fixed or moveable asset, either in full or in part, permanently or temporarily.
Public Disclosure	Dissemination of information about the Project in a public forum including allowing public access to reports and documents which contain (among others) the description of projects, potential impacts, mitigation plans and other information that may have an effect on the public.
Pumping Station	A facility that houses the pumping infrastructure used to push oil along through a pipeline from the source to the outlet.
Replacement Cost:	<p>The market value of the assets plus transaction costs where Market value is defined as the value required to enable affected communities and persons to replace lost assets with assets of similar value. With regard to land and structures, the guidance notes to the IFC PS (2012) define "replacement costs" as follows:</p> <ul style="list-style-type: none"> ▪ Agricultural Land: the market value of the land of equal productive use or potential located in the vicinity of the affected land, plus the cost of preparation to levels similar to or better than those of the affected land, plus the cost of any registration and transfer taxes. ▪ Household and public structures: the cost of purchasing or building a new structure, with an area and quality similar to or better than those of the affected structure, or of repairing a partially affected structure, including labour and contractors' fees and any registration and transfer taxes. In determining the replacement cost, depreciation of the asset and the value of salvage materials are not taken into account, nor is the value of benefits to be derived from the project deducted from the valuation of an affected asset.
Resettlement	The displacement or relocation of an affected population from one location to another within the national territory, and the restructuring or creation of comparable living conditions.
Resettlement assistance	Support provided to people who are displaced by a project. Assistance may include transportation, food, shelter, and social services that are provided to affected people during their relocation.
Resettlement Action Plan (RAP)	A plan that provides a comprehensive set of actions for addressing impacts related to physical and economic displacement. It describes the procedures and activities that will be taken to compensate for losses, mitigate adverse project impacts, and provide development benefits to those who will be resettled or displaced as a result of a project.
Resettlement Package	The compensation, benefits and other assistance provided by the Project to project-affected households and businesses.
ITRF 2005/ WGS Datum TM 35 Projection	The reference survey system provided by TEAM B.V and, used for the survey of the EACOP.
Security of Tenure	Means that resettled individuals or communities are resettled to a site that they can legally occupy, and where they are protected from the risk of eviction.

Term	Description
Severance	Severance means a loss/reduction in the value of the residual land that occurs when the land becomes separated after the acquisition
Sharecropper	A person who enters into an agreement with a landowner to farm a specified area of land for an agreed period and pays a proportion of the income accrued to the landlord as payment.
Speculation	The buying of land, construction of buildings or structures, or planting of crops or trees within the affected areas, with the sole aim of claiming compensation from the project proponent
Socio-economic Baseline	A baseline record of land use activities within the project footprint as well as the socio-economic characteristics of individuals and communities dependent on the land prior to the commencement of the land acquisition process, host communities that will potentially be impacted by the project.
Spread	On pipeline projects of this magnitude, construction typically takes place concurrently at several locations along the pipeline route, with a construction team at each location moving progressively along the route. The area covered by each individual construction team is referred to as a “spread”.
Stakeholder	Individuals or groups of people who are directly or indirectly affected by a project, as well as those who may have interests in a project. They may have the ability to influence the outcome of the project, either positively or negatively.
Substation	Forms part of the electrical generation and distribution system by transforming voltage from high to low, for use on the electrically heat traced (EHT) system.
Stakeholder Engagement	An ongoing process that may involve stakeholder analysis and planning, disclosure and dissemination of information, consultation and participation, grievance mechanism and ongoing reporting to the Affected Communities. The nature, frequency and level of effort of stakeholder engagement may vary considerably and will be commensurate with the Project risks and adverse impacts, as well as the phase of development.
Temporary Displacement	Economic displacement for the development of the Project for a limited period of time. Land and assets are restored after the temporary displacement and compensation for any loss of assets and convenience is provided for by the Project including livelihood support during the period of displacement
Temporary Structure	Defined in the National Physical Planning Standards and Guidelines, 2011. Dwelling units built with non-durable wall and roof materials that cannot maintain stability for more than 3 years and require regular replacement.
Tenant Farmer	A person who manages a farm on behalf of the landlord, for a specified fee or income.
Upstream Partners	Total E&P Uganda B.V. (TEPU), Tullow Uganda Operations Pty Ltd. (TUOP) and CNOOC Uganda Limited (CUL) are referred to as the Upstream Partners.
Vulnerable Persons	People who, by virtue of gender, ethnicity, age, physical or mental disability, economic disadvantage or social status in the context of the project, may be more adversely affected by displacement than others and who may be limited in their ability to re-establish themselves or take advantage of resettlement assistance and related development benefits. This group may include people living below the poverty line, the landless, the elderly, women, and children-headed households, ethnic minorities, communities dependent on natural resources or other displaced persons who may not be protected through national land compensation or land titling legislation.