

## TERMS OF REFERENCE

### FOR A CONSULTANCY ASSIGNMENT TO CONDUCT WARD CLIMATE CHANGE RISK AND VULNERABILITY ASSESSMENT AND DEVELOPMENT OF WARD LEVEL CLIMATE CHANGE ACTION PLANS– TURKANA COUNTY.

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#### **1 Introduction**

Practical Action is a global innovator, inspiring people to discover and adopt ingenious, practical ways to free themselves from poverty and disadvantage.

Our vision is a world where all people have access to the technologies that enable them to meet their basic needs and reach their potential, in a way that safeguards the planet today, and for future generations. In pursuit of our Vision and Mission, we are committed to advancing gender equality and women's empowerment through all our work including programmes, knowledge sharing, advocacy, external communications, and also through our own organizational development.

#### **2. Background of the consultancy assignment**

Turkana County is extremely susceptible to impacts of changing climate. Over the years, the county has come face to face with unprecedented challenges of climate change impacts and the corresponding socio-economic losses to communities living in the County. Most livelihoods and economic activities in the County are reliant on climate sensitive sectors namely agriculture, livestock, fisheries, water, forest, and wildlife. Dependence on these natural resources means that recurring droughts, locust, erratic rainfall patterns and floods because of climate change will continue to negatively impact livelihoods and community assets.

Pastoral and agro-pastoral production forms the dominant livelihood in Turkana County, involving about 80 percent of its population. Major sources of income within this livelihood include sales of livestock, livestock products, fish and crop production which account for over 80 percent of all county income. Climate change is happening now and is projected to worsen in the future. Turkana County is extremely susceptible to impacts of climate change because most livelihoods and economic activities are reliant on climate sensitive sectors. The most vulnerable sectors impacted on by climate change in the county are agriculture, livestock, pastoralism, forestry, water resources, health, energy, rangelands, tourism, social infrastructure and human settlement and the physical infrastructure. In order to cushion key sectors against the impact of climate change, the County needs to undertake Wards and County Climate change vulnerability assessment to provide valuable information that will be used to develop management actions in response to climate change

This assessment is anchored on The Turkana County Climate Change Act 2021, section 31 (1) stipulates that *“The County Executive Committee Member shall in consultation with the steering Committee and relevant sectors and through a participatory process involving relevant stakeholders, formulate a County Climate Change Action Plan within one year of this Act coming into force.”*

### **Big change starts small**

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Practical Action wishes to support the county and the local ward climate change committees to generate evidence on the climate change impacts and vulnerabilities in the selected wards through community consultations. The output of this process will guide the development of Ward Climate change Action plans which will help the county to address specific challenges posed by current and predicted impacts of climate change at ward levels.

## 2.1 Purpose of the vulnerability assessment

Before identifying appropriate climate change adaptation actions, there is need to understand the local vulnerabilities including the most vulnerable economic sectors, social groups and communities. This can be achieved through a vulnerability assessment, which is a process of identifying, measuring (quantifying) and analyzing vulnerability to climate change and hazards. The Ward and County Climate Change vulnerability risk assessment will lead to the development of Ward and County Climate Change Action Plan 2023-2028. The plan is expected to identify sectoral adaptation needs and details specific sectoral actions plans, key potential implementing partners and indicative costs. The plan must be complementary and consistent with existing strategies of the National Climate Change Response Strategy (NCCRS), as well as development and economic plans, principally the County Integrated Development Plan (CIDP) and National Climate Change Action Plan.



Figure: Phases of local climate resilience action planning

The purpose of conducting local vulnerability assessments is to inform local, regional and national authorities (and international development organizations/donors) on:

- Underlying causes/factors of vulnerability including ecological, socio-economic and infrastructure.
- The most vulnerable locations, sectors and communities and social groups at current time.
- Potential consequences at the different levels (above) of climate change in the short-, medium, and long-term.
- The sectors that require, immediate, mid-term and long-term action for building local level resilience while defining the need for action

The prime objective of the proposed vulnerability assessment framework is to support a long-term strategic climate change adaptation planning including identification of objectives for a climate resilient development and designing actions that best use the resources available to achieve them<sup>3</sup>.

## 2.2 Objectives of the Assessment

Practical Action in collaboration with Turkana County Government (TCG) is seeking a qualified consultant with vast knowledge on Climate Change risks, adaptation, and Mitigation to support the

county and the local ward committees in undertaking risks and vulnerability assessments and creating /developing Ward Climate Change Action Plans.

The overall objective of the consultancy is to engage local stakeholders at the ward level through a participatory way, collate and produce 9 Ward Climate Change Risk and Vulnerability Assessment reports which will lead to the development of evidence-based ward climate change action plans for the 9 wards in Turkana Central and Loima Sub Counties.

Specifically, the assessment will:

- i. Conduct Ward Climate Change Vulnerability Risk assessment** - Through a participatory approach, conduct a vulnerability risk assessment in each ward as per the manual/guideline. (To be provided by Practical Action)
- ii. Develop 9 Ward Climate Change Action Plans** - The plans are expected to identify sectoral adaptation needs and details specific sectoral actions plans identified after vulnerability climate risk. The plans will aim to be consistent with existing strategies of the National Climate Change Response Strategy (NCCRS), as well as development and economic plans, principally the County Integrated Development Plan (CIDP) III, Climate change National Determined Commitments and National Climate Change Action Plan. The Ward Climate change Action plans shall not contradict the existing laws on Climate change but instead it must take into consideration the unique culture and Environment of Turkana County as one of the ASAL County in Kenya.

The consultant will review the data collected already through the ward consultations. By the end of the assignment the Consultant shall have:

- Consulted with Partners including the County Climate Change and Resilience working group, National and county government, and key stakeholders on identification of Climate change priorities and vulnerabilities of the selected Wards.
- Identified ward climate change action priorities and vulnerabilities of the selected Ward to be integrated in the ward climate change action plans.
- Developed detailed Ward Climate Change Action plans for 5 years as prescribed in the format
- Held more consultative Meetings/workshops with Sub County and ward leadership and stakeholders.
- Developed the Climate Change Risk and Vulnerability Assessment Report and Ward Climate Change Action Plans as per the formats provided

### **Scope of work**

Practical Action is looking for an experienced expert with a good balance of quantitative and qualitative research methods to undertake the assignment in Turkana Central and Loima Sub counties in Turkana County.

### **3. Methodology**

The proposed vulnerability assessment process consists of identification and analysis of socio-economic, physical and environmental factors, which determine the sensitivity/susceptibility of the county to the impact of climate change (e.g. increasing temperatures, change in seasonal

patterns) and/or hazard (e.g. flood, drought), using a combination of qualitative and quantitative methods. More specifically, the proposed methodology involves ward technical meetings; local community participatory workshops; surveys at ward level; a desk review of literature; use of secondary socio-economic and environmental data; and creation of datasets based on available geo-referenced data.

## Guiding principles

Five overarching principles shall guide the proposed assessment methodology:

- Simplicity, to ensure ease of replication in other Wards/Village units
- Measurability and availability of data, to ensure ease of update and replication
- Inclusiveness, to ensure participation of communities
- Comprehensiveness, to ensure relevance of the findings
- Spatial relevance to guide actual adaptation interventions

## 4. Time Frame and Key Deliverables

### 4.1 Time Frame

The level of effort will be delivered in 45 days between 6<sup>th</sup> February 2023 to 31<sup>st</sup> March 2023. This will include Consultations, public participation, report writing, validation acceptance and adoption of the deliverables.

### 4.2 Key deliverables

Key deliverables of this assignment are:

1. An Inception Report
2. Nine (9) Validated ward vulnerability climate risk assessments.
3. 9 Ward climate change action plans in Turkana Central and Loima Sub Counties.

### 4.3 Key Activities and Timelines

Activity	Period
Desk Review - Background, context, legislation, mitigation and adaptation strategies	10 days
Consultants Entry meeting with TCG and Practical Action <ul style="list-style-type: none"> <li>- Receive reviewed action plans</li> <li>- Suggest any matters arising and also discuss the format provided by the County government</li> <li>- Agree on the methodologies for further data collection from the field wards</li> </ul>	2 Days
Consultant's meetings with Sub County Climate sensitive sectors (Agriculture, Livestock production, Fisheries, peace building, Land reclamation, irrigation, Environment and climate change, Natural resources management, disaster management)	3 Days

Ward visits for Vulnerability Climate Risk Assessment and Action plans identifications. <ul style="list-style-type: none"> <li>- FGD and Stakeholder Engagements/Meetings for Participatory climate Risk engagement.</li> <li>- Consultant to engage key informants from each ward i.e. Ward Climate Change Committee, Pastoralist, CSO, PBOs, FBOs, elders, Local leaders, opinion leaders, Kraal Leaders, farmers, Youth, PWD, Women and local government officers from climate sensitive sectors</li> </ul>	20 Days
Analysis of findings, models and develop vulnerability climate risk report and draft Ward Climate change Action Plans.	4 Days
Validation workshops with the Sub Counties committee and climate change related sectors	2 days
Update and include comments and inputs from the workshops	3 Days
Handing over of 9 No. Ward Vulnerability Climate Risk report and 9 Number, Ward climate change Action Plans.	1 Day
<b>Total Duration in Days</b>	<b>45 Days</b>

## 5. Terms of Engagement

Payment for the assignment shall be done in two instalments as indicated below

- 1<sup>st</sup> Instalment (25% of the total cost of the assignment): Upon presentation and acceptance of the inception report.
- 2<sup>nd</sup> Instalment (75% of the total cost of the assignment): Upon presentation of the findings and delivery and acceptance of the final report.

## 6. Administrative and logistical support

The Consultant will work directly with Climate and Resilience Officer with technical oversight by Senior project officer – Climate Policy and Governance and Director for Environment and Climate Change in Turkana County.

In order to support the actualization of this assignment and within stipulated timelines, Practical Action will provide a fueled vehicle to facilitate consultant's field visits. In addition, TCG Directorate of Environment and Climate Change will support in mobilizing communities and key informants and organizing venues for the meetings.

## 7. Consultant(s) requirements

Practical Action is looking for multi- skilled individual working with experts with solid professional background in key areas relevant to the assignment, but at a minimum should include the following experts.

- i. Environmental specialist
- ii. Spatial development, urban, regional planner, architect and/or engineer
- iii. Social development specialist and economist
- iv. Climate expert
- v. GIS specialist with environmental and infrastructure experience

## **Guidelines for Submission of Expression of Interest**

A consulting entity that meets the above requirements and is available within the time limit indicated above should submit the following:

- 1) A cover letter outlining relevant experience in line with the key competencies required.
- 2) Proposal and capability statement with clear methodological approach and tools for Climate risk and vulnerability assessments including community and stakeholders' engagement plan.
- 3) Detailed financial proposal in Kenyan Shillings
- 4) Annexed to the proposal should be CVs of key expertise outlining previous experience while demonstrating the skills and knowledge required to undertake this assignment.
- 5) Evidence of experience in similar work.

Interested consulting entities that have capacity to deliver this TOR are invited to submit a complete proposal to [recruitment@practicalaction.or.ke](mailto:recruitment@practicalaction.or.ke) with subject line "**Ward Climate Change Risk and Vulnerability Assessment and Development of Ward Level Climate Change Action Plans– Turkana County**" to reach Practical Action on or before 31st January 2023.

**Annex 1:  
The Ward Climate Change Action Plan format.**

<b>Foreword</b>
<b>Acknowledgment</b>
<b>Executive Summary</b>
<b>List of Figures</b>
<b>Acronyms</b>
<b>CHAPTER 1: Background</b>
- Wards, Location and Topography: Map
- Ward Climate
- Administrative and Political units: Locations, Sub Locations, Village units
- Population according to KNBS parameters
- Economic Activities
<b>CHAPTER 2: STRATEGIC FOCUS</b>
- Importance of Ward Climate Change Action Plan
- Strategic Vision, Mission and Objectives
- Vision
- Mission
- Strategic Objectives
<b>CHAPTER 3: Climate Change Trends and Projection</b>
- Temperature Change Trends and Projections
- Current vulnerability to climate change and hazards
- Rainfall Trends and Projections
- Vegetation Cover Changes and Productivity Trends
- Key Sectors Impacted by Climate Change.
- Existing Gaps in Understanding and Addressing Climate Change Impacts
- Data and Knowledge Gap.
- Climate Change Governance
- Capacity in Addressing Climate Change
<b>CHAPTER 4: Intersection of climate change and human mobility, conflict sensitivity and food security</b>
- Nexus of climate change and human mobility – Migrations along transhumance routes and pastoral groups identities in relation to climate shocks. The best climate emergency adaptation strategies to promote in the area.
- Nexus of Conflict sensitivity and food security -lessons learnt from strengthening food and nutrition security while addressing drivers of conflict and enhancing the capacity of communities to adapt to climate change.
- Humanitarian crisis and development – Early warning system to inform Early action protocol (EAP) interventions and post crisis/recovery mechanisms. Pattern of displacements in case of disasters in the area and return pattern.
<b>CHAPTER 5: CLIMATE CHANGE ADAPTATION STRATEGIES</b>
- Climate Risk and Vulnerability

- Gender and vulnerabilities evidence and Impacts of Climate Change in the ward (Economic Sector, Agriculture and Food Security, Livestock and Pastoralism, Agriculture, Fisheries, Water and Sanitation, Natural Systems, Rangelands and Wildlife Resources, Physical and Social Infrastructure, Communication Infrastructure, Mobility, Energy Sector, Human Settlement and Land use)

## **CHAPTER 6: CLIMATE CHANGE MITIGATION STRATEGIES**

- Identify the mitigation actions

## **CHAPTER 7: Enabling Legislative and Institutional Framework**

- County and Ward Context
- Climate change Governance and Institutional Resources and Capacity
- Status of Climate Change Governance in the ward
- County Government Institutions Set-up
- Functions and Mandates of Partners
- International Organizations
- Public Benefit Organizations
- Financial Institutions
- Private Sector
- Coordination mechanisms

## **REFERENCES**

**Annex 1:** List of ward climate change committees

**Annex 2:** Stakeholders Responsible for Climate Change Adaptation and Service Delivery in the ward

**Annex 3:** Priority Adaptation and Mitigation Actions per Sector



## Annex 2

### Climate Change Risk and Vulnerability Assessment Report Format

<b>Acknowledgment</b>
<b>List of Abbreviations</b>
<b>List of Maps</b>
<b>List of Figures</b>
<b>List of Tables</b>
<b>Definition of Terms</b>
<b>Executive Summary</b>
<b>CHAPTER 1: Introduction and Background</b>
- Purpose and Objectives of the Assessment
- Description of the Assessment area
- Location, Demographics and Administrative structures
- Agro ecological zones
<b>CHAPTER 2: METHODOLOGY</b>
- Assessment Area
- Sampling Methodology
- Data Collection
- Data Analysis
<b>CHAPTER 3: CLIMATE CHANGE POLICY AND LEGAL FRAMEWORKS</b>
<b>CHAPTER 4: RESULTS AND DISCUSSIONS</b>
<b>REFERENCES</b>
<b>ANNEXES</b>