

# Research Terms of Reference

Supply chain analysis and Route mapping

ETH2101

Ethiopia

February 2022

v1

**REACH** Informing  
more effective  
humanitarian action

## 1. Executive Summary

<b>Country of intervention</b>	Ethiopia					
<b>Type of Emergency</b>	<input type="checkbox"/>	Natural disaster	<input checked="" type="checkbox"/>	Conflict		
<b>Type of Crisis</b>	<input type="checkbox"/>	Sudden onset	<input checked="" type="checkbox"/>	Slow onset	<input checked="" type="checkbox"/>	Protracted
<b>Mandating Body/ Agency</b>	EuropAid (funded)					
<b>Project Code</b>	29AQI					
<b>Overall Research Timeframe</b> (from research design to final outputs / M&E)	01/12/2021 - 15/05/2022					
<b>Research Timeframe</b> Add planned deadlines (for first cycle if more than 1)	1. Start collect data: 01/03/2022			5. Preliminary presentation: NA		
	2. Data collected: 30/03/2022			6. Outputs sent for validation: 29/04/2022		
	3. Data analysed: 07/04/2022			7. Outputs published: 15/05/2022		
	4. Data sent for validation: 08/04/2022			8. Final presentation: TBD		
<b>Number of assessments</b>	<input checked="" type="checkbox"/>	Single assessment (one cycle)				
	<input type="checkbox"/>	Multi assessment (more than one cycle)				
<b>Humanitarian milestones</b> Specify <b>what</b> will the assessment inform and <b>when</b> e.g. The shelter cluster will use this data to draft its Revised Flash Appeal;	<b>Milestone</b>		<b>Deadline</b>			
	<input checked="" type="checkbox"/>	Donor plan/strategy	Informed along the whole assessment; dissemination of the final product: May 2022			
	<input checked="" type="checkbox"/>	Inter-cluster plan/strategy	Informed along the whole assessment; dissemination of the final product: May 2022			
	<input type="checkbox"/>	Cluster plan/strategy	_ _ / _ _ / _ _ _ _			
	<input type="checkbox"/>	NGO platform plan/strategy	_ _ / _ _ / _ _ _ _			
	<input checked="" type="checkbox"/>	Other (Specify): Ethiopia CWG and CCD plan/strategy	Informed along the whole assessment; dissemination of the final product: May 2022			
<b>Audience Type &amp; Dissemination</b> Specify <b>who</b> will the assessment inform and <b>how</b> you will disseminate to inform the audience	<b>Audience type</b>		<b>Dissemination</b>			
	<input checked="" type="checkbox"/> Strategic		<input checked="" type="checkbox"/> Website dissemination - REACH Resource Centre & Relief Web (accessible to all actors involved)			
	<input checked="" type="checkbox"/> Programmatic		<input checked="" type="checkbox"/> Interactive dissemination - Ethiopia JMMI Interactive Dashboard (accessible to all actors involved)			
	<input checked="" type="checkbox"/> Operational		<input checked="" type="checkbox"/> CCD/ECWG mailing and presentation of findings at Working groups and Taskforce meetings			
	<input type="checkbox"/> [Other, Specify]		<input checked="" type="checkbox"/> Cluster Mailing (Education, Shelter and WASH) and presentation of findings at cluster meetings			

			x General product mailing (to all actors involved, NGOs, partners, donors) x In-person presentation of findings (to CCD, ECWG, donor and relevant government institutions)	
<b>Detailed dissemination plan required</b>	<input type="checkbox"/>	Yes	x	No
<b>General Objective</b>	To provide a market network baseline by connecting different types of market actors <sup>1</sup> to each other that will feed into the Ethiopia Joint Market Monitoring Initiative (JMMI) <sup>2</sup> framework in order to guide evidence-based response actions by cash actors within Ethiopia between March and May 2022.			
<b>Specific Objective(s)</b>	<ol style="list-style-type: none"> <li>1. To create a market network analysis of key commodities (local cerea- maize, meat-beef/goat meat, fuel- charcoal, and hygiene items-bath soap)<sup>3</sup> in order to understand risks that may lead to market disruption in Ethiopia.</li> <li>2. To identify and map critical nationwide geographical supply routes for key commodities from producers to markets and to consumers in Ethiopia.</li> <li>3. To identify the barriers (physical, financial and/or social) facing market supply chain actors for key commodities in Ethiopia.</li> </ol>			
<b>Research Questions</b>	<ul style="list-style-type: none"> <li>• Where are main key commodities' marketplaces<sup>4</sup> located in the assessed woredas<sup>5</sup>, are they functional<sup>6</sup> and what barriers exist to accessing these markets?</li> <li>• What are the main supply route networks for each selected key commodity?</li> <li>• To what extent do barriers along the main supply routes for key commodities affect supply chains?</li> </ul>			
<b>Geographic Coverage</b>	In total eleven <sup>7</sup> towns from eleven different regions (Total coverage: 11 out of 13 regions) will be assessed. The towns will be selected based on the following criteria: i) the towns are located in crises zones or experiencing food insecurity (Phase 3 or above according to the Integrated Food Security Phase Classification (IPC)) <sup>8</sup> ; ii) the towns are located in different regions of Ethiopia to contribute to the representativeness of the assessment at a nationwide-level; iii) accessibility in terms of routes and human resources to monitor the assessment; iv) Population size; v) availability of markets and commodities.			
<b>Secondary data sources</b>	<ul style="list-style-type: none"> <li>• JMMI September 2021 – January 2022 factsheets (5) in Ethiopia by REACH,– This assessment will provide an overview of monitored items in the minimum expenditure basket (MEB). These items will be used to form a basis for identifying some of the key commodities to be assessed in the supply chain analysis.</li> </ul>			

<sup>1</sup> Market actors will include: wholesalers, retailers, consumers and transporters.

<sup>2</sup> [Ethiopia REACH JMMI 2020](#)

<sup>3</sup> The four key commodities are selected based on the assessment made on availability and specific regional consumption patterns. Maize will be assessed in all selected key towns; beef will be assessed in all regions except Somali and Afar. Goat meat will be assessed in Somali and Afar. Charcoal and bath soap will be assessed in all regions.

<sup>4</sup> For purposes of this assessment, a marketplace is defined as an area with a relatively sizable concentration of traders in close proximity to each other. The traders can be located in a devoted market area, in a central business district, along a commercial corridor, or similar.

<sup>5</sup> A woreda is the 3<sup>rd</sup> level administrative division, after zones and regional states; is led by a local government and this is the unit that most humanitarian actors use in their planning in Ethiopia.

<sup>6</sup> Market functionality looks at how available are key commodities in the marketplaces, are consumers able to consistently afford these commodities, traders' stock levels and restock duration, competition in terms of number of market actors operating in the marketplaces, as well as the physical access and protection of consumers, wholesalers, retailers and transporters to marketplaces.

<sup>7</sup> Eleven woredas to be assessed are determined by REACH Ethiopia.

<sup>8</sup> The Integrated Food Security Phase Classification (IPC) is a set of tools and procedures to classify the severity of food insecurity using a widely accepted five-phase scale: IPC Phase 1=Minimal; Phase 2=Stressed; Phase 3=Crisis; Phase 4=Emergency; and Phase 5=Famine at area level (Phase 5=Catastrophe at household group level).

	<ul style="list-style-type: none"> <li>• <a href="#">Integrated IPC data</a> in Ethiopia by Integrated Food Security Phase Classification, May - June 2021. This secondary data has July - September 2021 projections which will provide an indication of where REACH can select woredas (IPC 3 and above) for data collection. In addition, recent information from <a href="#">Famine Early Warning Systems Network</a> was used.</li> <li>• <a href="#">COVID-19 Data collection SOP</a> by IMPACT Initiatives, April 2020 - This document will be followed to ensure that the data collected will be in line with the COVID-19 global IMPACT guidelines.</li> </ul>				
<b>Population(s)</b>	x	Market traders, consumers		<input type="checkbox"/>	Other: _ _ _
<b>Stratification</b> <i>Select type(s) and enter number of strata</i>	x	Geographical #: 11 woredas <sup>9</sup> Population size per strata is known? x Yes <input type="checkbox"/> No	<input type="checkbox"/> Group #: _ _ _ Population size per strata is known? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> [Other Specify] #: _ _ Population size per strata is known? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Data collection tool(s)</b>	x	Structured (Quantitative)		<input type="checkbox"/>	Semi-structured (Qualitative)
		<b>Sampling method</b>		<b>Data collection method</b>	
<b>Structured data collection tool (s) # 1</b> <i>Key Informant Interview Tool</i>		x Purposive <input type="checkbox"/> Probability / Simple random <input type="checkbox"/> Probability / Stratified simple random <input type="checkbox"/> Probability / Cluster sampling <input type="checkbox"/> Probability / Stratified cluster sampling <input type="checkbox"/> [Other, Specify]		x Key informant interview (Target #): minimum of 15 consumer KIs and 10 market KIs <sup>10</sup> along the supply chain for each key commodity leading to each assessed woreda <input type="checkbox"/> Group discussion (Target #): _ _ _ _ _ <input type="checkbox"/> Household interview (Target #): _ _ _ _ _ <input type="checkbox"/> Individual interview (Target #): _ _ _ _ _ <input type="checkbox"/> Direct observations (Target #): _ _ _ _ _ x Supply route map (Target #): 1 nationwide map	
<b>Data management platform(s)</b>	x	IMPACT		<input type="checkbox"/>	UNHCR
	<input type="checkbox"/>	[Other, Specify]			
<b>Expected output type(s)</b>	<input type="checkbox"/>	Situation overview #: _ _	<input type="checkbox"/> Report #: _ _	<input type="checkbox"/>	Profile #: _ _
	<input type="checkbox"/>	Presentation (Preliminary findings) #: _ _	x Presentation (Final) #: 1 presentation to CCD and ECWG	x	Factsheet #: 11 (1 per assessed woreda)
	<input type="checkbox"/>	Interactive dashboard #: _	<input type="checkbox"/> Webmap #: _ _	x	Map #: 1 nationwide supply chain route map
	x	Dataset #: 1			
<b>Access</b>	x	Public (available on REACH resource center and other humanitarian platforms)			
	<input type="checkbox"/>	Restricted (bilateral dissemination only upon agreed dissemination list, no publication on REACH or other platforms)			
<b>Visibility</b> <i>Specify which logos should be on outputs</i>	<b>REACH</b> <b>Donor:</b> EuropAid				

<sup>9</sup> Stratification refers to comparison between non representative data for this assessment.

<sup>10</sup> Target market KIs will include wholesalers, retailers and transporters.

## 2. Rationale

### 2.1 Background

Ongoing conflict, crisis-level food insecurity, flooding, drought, locust infestation and COVID-19 are some of the multiple and often overlapping crises that continue to strain the lives and livelihoods of an estimated 12.8 million people across multiple regions in Ethiopia, most notably in Amhara, Afar, Benishangul-Gumuz, Oromia, Somali, SNNP and Tigray regions. Nearly 3.95 million people are currently displaced across Ethiopia<sup>11</sup>. Issues of security and humanitarian access are preventing access to basic services, including telecommunications, fuel, electricity and banking services. The poor macroeconomic conditions are driving a high annual inflation rate and depreciation in the Ethiopian Birr (ETB) in the whole country. According to the Central Statistical Agency of Ethiopia (CSAE), the national inflation rate increased to 24.5 percent in June from 19.7 percent in May<sup>12</sup>. The June inflation rate is the highest year-on-year inflation rate reported in at least five years. The inflation rate has been increasing reaching 33 percent in November 2021 (CSAE). Price spikes together with significant population displacements, lost harvests, depletion of food stocks, and market dysfunctions threaten significantly the food security in the country.

Furthermore, conflict in Tigray region as of June 2021 has seen large-scale displacement contributing an approximate 1.8 million additional people needing assistance in Amhara, Afar and Tigray regions<sup>13</sup>. 5.5 million people in this area face high levels of acute food insecurity. Among them, between May and June 2021, 350,000 people are in Catastrophe (IPC Phase 5), 2.1 million in Emergency (IPC Phase 4) and 3.1 million in Crisis (IPC Phase 3)<sup>14</sup>. The main key drivers identified are conflicts, population displacements, movement restrictions, limited humanitarian access, loss of harvest and livelihood assets, and dysfunctional or non-existent markets.

Since 2020, REACH has been working in close collaboration with the Ethiopia Collaborative Cash Delivery (CCD) Network to launch and coordinate a Joint Market Monitoring Initiative (JMMI). However, there is currently no initiative undertaken to map supply chains and assess barriers and market integration throughout Ethiopia. Cash-based interventions require supply chains to function properly and to provide basic commodities continuously as any disruptions may affect the availability of basic goods, as well as commodity prices, thus negatively impacting households' ability to access basic food and non-food items to support their livelihoods. These gaps impede the provision of an effective market-based response to vulnerable population groups by humanitarian actors.

### 2.2 Intended impact

To address the outlined information gaps and consolidate existing data collection efforts, as well as supplement the data coming from the JMMI, REACH will launch and coordinate a supply chain analysis and route mapping in key food-insecure (IPC 3 or above) zones of Ethiopia, to better understand whether current local market systems are vulnerable to breakdown when placed under stress.

With the ongoing sporadic unrest and conflict in parts of Ethiopia that is affecting livelihoods and access to markets, the supply chain analysis, including key supply routes, blockages to supply routes, and market functionality assessment, will benefit directly or indirectly in total, at least 33 humanitarians, development organizations and government agencies from improved information management.

This assessment will therefore contribute to an improved access to accurate nationwide data and supply route map to inform evidence-based cash programming, development programmes and supplement official price information for both the public and private sector.

<sup>11</sup> IOM Displacement Tracking Matrix (DTM) Round 25 and Emergency Site Assessment: Northern Ethiopia Crisis Round 6.

<sup>12</sup> FEWS NET, WFP, Ethiopia Food Security Outlook - June 2021 to January 2022, June 2021

<sup>13</sup> OCHA Ethiopia: Tigray Region Humanitarian Situation Update; Situation Report; 24 June 2021

<sup>14</sup> IPC, Ethiopia (Tigray): IPC Acute Food Insecurity Analysis May - September 2021, 10 June 2021

## 3. Methodology

### 3.1 Methodology overview

The activity outlined in this ToR is designed to provide geographical market supply routes and disruptions affecting supply chains throughout Ethiopia. This assessment will use structured quantitative method approach to contextualize the data from the Ethiopia JMMI. The findings of the supply chain analysis will be complementing the JMMI longitudinal market and price data thus inform the cash-based response in Ethiopia.

REACH will develop the research design, data collection tools, guidance documents, training materials, analysis, and outputs for the supply chain analysis. REACH field officer will coordinate the data collection in the selected eleven woredas. This data will be collected using a KOBO tool by the respective REACH field enumerators. Follow ups with REACH enumerators and KIs will be done where necessary to ascertain the accuracy of the collected data during data cleaning process.

The methodology centers on structured quantitative interviews with purposively sampled retailers, wholesalers, transporters and consumers who will act as key informants (KIs) for their respective woredas. REACH will interview (for each selected key commodity) a minimum of 15 consumer KIs and 10 market KIs along the supply chain for each key commodity leading to each assessed woreda. Data will be collected as a one-off round between 1<sup>st</sup> and 30<sup>th</sup> March, 2022. Outputs will include one cleaned and anonymized dataset, brief supply chain factsheets, one for each of the eleven selected woredas, and a nationwide supply route map.

The selection of the 11 towns to be assessed considers different criteria. The first criteria consist of targeting the towns in crisis zones or zones experiencing food insecurity (Phase 3 or above according to the Integrated Food Security Phase Classification (IPC)) in Ethiopia. The second criteria is the representativeness of the assessment at a countrywide-level. For that, considering that the most recent Ethiopia-wide IPCs have only covered central and eastern regions of the country and that as a consequence there is no available data for these regions, we will target 11 towns of 11 different regions. Additionally, we will apply the following criteria: woredas with bigger population size, availability of markets and commodities, accessibility in terms of routes and availability of human resources to monitor the assessment.

### 3.2 Population of interest

The geographical coverage of the assessment will be determined by REACH Ethiopia. REACH will select eleven woredas in zones in Ethiopia categorized under IPC 3 and above, considering as well their access and ability to collect data from these locations.

For purposes of collecting this quantitative data, the population of interest will consist of consumers KIs and the market KIs actors (retailers, wholesalers and transporters) in the four targeted key commodities, operating in and around the same main woredas. Consumer KIs will be selected based on whether regularly shop in the marketplaces being assessed, as they probably have enough knowledge on the key commodities being assessed. Market actor KIs on the other hand, will be selected based on their involvement in the supply chains as either wholesalers, retailers or transporters of the assessed key commodities.

The unit of measurement for consumers and market actors (wholesalers, retailers and transporters) will be the woreda to match the unit of analysis. However, in some cases (particularly with transporters), REACH will also ask questions about other areas of the same supply chain that extend outside the assessed woreda.

### 3.3 Secondary data review

During development of the Supply chain analysis ToR, a secondary review of the following datasets will be conducted:

- I. JMMI September 2021 – January 2022 factsheets (5) in Ethiopia by REACH, – This assessment will provide an overview of monitored items in the minimum expenditure basket (MEB). These items will be used to form a basis for identifying some of the key commodities to be assessed in the supply chain analysis.
- II. [Integrated IPC data](#) in Ethiopia by Integrated Food Security Phase Classification, May - June 2021. This secondary data has July - September 2021 projections which will provide an indication of where REACH can select woredas (IPC 3 and above) for data collection.
- III. [COVID-19 Data collection SOP](#) by IMPACT Initiatives, April 2020 - This document will be followed to ensure that the data collected will be in line with the COVID-19 global IMPACT guidelines.
- IV. Ethiopia Cash Working Group (ECWG), including CCD Network's markets situation reports and assessments as well as regional MEBs updates, September – December 2021

### 3.4 Primary data collection

REACH Ethiopia will initially identify woredas that are categorized in IPC 3 and above, as well as based on their accessibility. They will then select main marketplaces<sup>15</sup> in eleven woredas where data will be collected. Target KIs from the selected marketplaces will be interviewed in-person following IMPACT's [COVID-19 Data collection SOP](#). In cases where transporter KIs supplying goods into target marketplaces are located outside the target woredas or at the borders, remote data collection will be used where possible. Enumerators will therefore employ snowball-sampling techniques to build a network of KIs over the phone especially for KIs located outside the assessed woredas.

Within each targeted marketplace, REACH enumerators are responsible for purposively identifying KIs to interview (for each of the 4 target commodities) along the supply chain that match the following criteria:

- **Retailers** who must be selling directly to consumers, one or more assessed commodities.
- **Wholesalers** who commonly sell directly to other traders, one or more assessed commodities.
- **Transporters** who move the target commodities through, into and out of Ethiopia.
- **Consumers** who typically buy from small as well as large traders for consumption.

REACH enumerators must aim to interview a minimum of 15 consumer KIs and 10 market (wholesalers, retailers and transporters) KIs along the supply chain for each key commodity (maize, beef/goat meat, charcoal, and bath soap) leading to each assessed woreda. In total, minimum of 25 KIs per commodity will be conducted, i.e., 100 KIs for the four commodities per woreda.

When approaching a given KI for the first time, the enumerator should begin by introducing themselves and their organization, clearly explaining the purpose and nature of the assessment and the amount of time they expect the survey to take to be completed. They should confirm whether the KI is willing to contribute information to the assessment and ask for consent at the beginning of the survey.

Data collection for the Ethiopia supply chain analysis will center on the KoBo platform. REACH will develop a structured quantitative questionnaire for the KI purposive data collection. The tool will be hosted on a centralized KoBo server owned by REACH. All data must be uploaded to the central KoBo server using KoBoCollect Android app. Enumerators will be able to complete surveys without an internet connection and save them for later submission once they return from the field.

### 3.5 Data Processing & Analysis

At the end of each data collection, the database officer will run daily data checks on the raw data using Excel, remove outliers, and follow up with enumerators if needed. In particular, the data will be checked for the following:

- Number of KIs (minimum of 15 consumer KIs and 10 market KIs) along each supply chain has been met for each assessed commodity leading to each assessed woreda.

<sup>15</sup> For the purposes of this data collection, a marketplace is defined as an area with a relatively sizable concentration of traders in close proximity to each other. These traders can be located in a devoted market area, in a central business district, along a commercial corridor, or similar



- GPS coordinates of entries collected in person (to check legitimacy of submitted data).
- Duration of surveys per entry (to check legitimacy of submitted data).
- Personally identifiable information will be removed after data cleaning to ensure only anonymized dataset is shared.
- Any illogic responses between different responses will be cleaned and in some cases removed if it compromises the data quality.

Data cleaning will be conducted in line with IMPACT's [Data Cleaning Minimum Standards Checklist](#). All errors will be entered into a checking log, which will be shared to the field officer for enumerator clarification and follow up. Once data has been cleaned and anonymized, data analysis will follow using R and aggregated to woreda level. For categorical questions, aggregation will be done using the mode and/or analyze percentages of each response received while for numeric questions aggregation will be done using the median. The findings will not be representative, but will provide indicative findings for assessed woredas.

The final clean and analysed dataset will be reviewed by IMPACT research design and data unit before publication and sharing. Eleven supply chain factsheets, one for each of the eleven selected woredas will be produced by the Assessment Officer using Adobe InDesign. One nationwide supply route map will also be produced by the GIS Officer using ArcGIS Pro.

## 4. Key ethical considerations and related risks

Table 1: List of risks and mitigating action

<b>Risk</b>	<b>Mitigation Measure</b>
<i>Respecting respondents, their rights and dignity</i>	Enumerators will seek informed consent from respondents, inform them the length of survey, be considerate of participants' time while ensuring accurate reporting of information provided.
<i>Errors in data collection</i>	Errors in data can be mitigated by piloting the form, training enumerators and ensure close supervision in the field.
<i>Security risks towards interviewees for partaking in survey</i>	REACH will closely monitor security risks and community dynamics and ensure participants, communities and/or community leaders are supportive of the assessment.
<i>Security risks towards data collectors</i>	Security situation will be closely monitored and action taken in case of any change in security environment according to REACH Security policies.
<i>Data collection with minors</i>	Child protection issues should be considered, by ensuring enumerators and target respondents have reached the age of majority i.e. 18 years.
<i>Security risks towards identification of respondents</i>	Following the IMPACT SOPs for management of personally identifiable information, all respondents' phone numbers and locations will be deleted after data cleaning.

## 5. Roles and responsibilities

Table 2: Description of roles and responsibilities

<b>Task Description</b>	<b>Responsible</b>	<b>Accountable</b>	<b>Consulted</b>	<b>Informed</b>
<i>Research design</i>	REACH Assessment Officer (AO)	REACH Country Research Manager (CRM)	IMPACT Research Design & Data Unit (RDDU)	Country Coordinator
<i>Supervising data collection</i>	REACH AO	REACH Database Officer (DBO)	REACH CRM	Country Coordinator

<i>Data processing (checking, cleaning)</i>	REACH DBO	REACH DBO	IMPACT RDDU, REACH AO	Country Coordinator
<i>Data analysis</i>	REACH DBO	REACH AO	IMPACT RDDU, CRM	Country Coordinator
<i>Output production</i>	REACH AO, CRM	REACH AO	IMPACT Research Reporting Unit (RRU), CRM	Country Coordinator
<i>Dissemination</i>	REACH DBO	REACH AO	REACH CRM	Country Coordinator
<i>Monitoring &amp; evaluation</i>	REACH DBO	REACH AO	IMPACT RRU, CRM	REACH Research department, CRM
<i>Lessons learned</i>	REACH DBO	REACH AO	IMPACT RRU, CRM	REACH Research department, Country Coordinator

**Responsible:** the person(s) who executes the task

**Accountable:** the person who validates the completion of the task and is accountable of the final output or milestone

**Consulted:** the person(s) who must be consulted when the task is implemented

**Informed:** the person(s) who need to be informed when the task is completed

## 6. Data Analysis Plan

Please see Annex 1 for a detailed Data Analysis Framework



## 7. Data Management Plan

<b>Administrative Data</b>			
Research Cycle name	Supply chain analysis and route mapping		
Project Code	29AQI		
Donor	EuropAid		
Project partners	CCD, ECWG		
Research Contacts	Dounia Sadaoui ( <a href="mailto:dounia.sadaoui@reach-initiative.org">dounia.sadaoui@reach-initiative.org</a> )		
Data Management Plan Version	Date: 24/02/2022	Version: v1	
Related Policies	REACH Data management policy		
<b>Documentation and Metadata</b>			
What documentation and metadata will accompany the data? <i>Select all that apply</i>	<input checked="" type="checkbox"/>	Data analysis plan	<input checked="" type="checkbox"/> Data Cleaning Log, including: x Deletion Log x Value Change Log
	<input type="checkbox"/>	Code book	<input type="checkbox"/> Data Dictionary
	<input type="checkbox"/>	Metadata based on HDX Standards	<input type="checkbox"/> [Other, Specify]
<b>Ethics and Legal Compliance</b>			
Which ethical and legal measures will be taken?	<input checked="" type="checkbox"/>	Consent of participants to participate	<input type="checkbox"/> Consent of participants to share personal information with other agencies
	<input type="checkbox"/>	No collection of personally identifiable data will take place	<input type="checkbox"/> Gender, child protection and other protection issues are taken into account
	<input checked="" type="checkbox"/>	All participants reached age of majority	<input checked="" type="checkbox"/> All data will be anonymized and such information removed prior to sharing/ making public
Who will own the copyright and Intellectual Property Rights for the data that is collected?	IMPACT Initiatives		
<b>Storage and Backup</b>			
Where will data be stored and backed up during the research?	<input checked="" type="checkbox"/>	IMPACT/REACH Kobo Server	<input type="checkbox"/> Other Kobo Server: <i>[specify]</i>
	<input type="checkbox"/>	IMPACT Global Physical / Cloud Server	<input type="checkbox"/> Country/Internal Server
	<input type="checkbox"/>	On devices held by REACH staff	<input type="checkbox"/> Physical location <i>[specify]</i>
	<input type="checkbox"/>	[Other, Specify]	
Which data access and security measures have been taken?	<input checked="" type="checkbox"/>	Password protection on devices/servers	<input checked="" type="checkbox"/> Access to raw data is limited to REACH staff only
	<input type="checkbox"/>	Form and data encryption on data collection server	<input type="checkbox"/> Partners signed an MoU if accessing raw data
	<input type="checkbox"/>	[Other, Specify]	
<b>Kobo Access Rights</b>			
Kobo Access	Person	Account Name	
View and Edit Form	Fitsum Tsegaye	fit_reach	
View Form and Submit Data	REACH enumerators	TBD	
Download Data	Fitsum Tsegaye	fit_reach	
<b>Raw Data Access Rights</b>			
Raw Data Access	Reason	Person	

Accountable	To clean and analyse data	Fitsum Tsegaye			
Access	Accountable	Fitsum Tsegaye			
<b>Preservation</b>					
Where will data be stored for long-term preservation?	<input checked="" type="checkbox"/> IMPACT / REACH Global Cloud / Physical Server	<input type="checkbox"/> OCHA HDX			
	<input type="checkbox"/> REACH Country Server	<input type="checkbox"/> [Other, Specify]			
<b>Data Sharing</b>					
Will the data be shared publically?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No, only with mandating agency / body			
Will all data be shared?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No, only anonymized/ cleaned data will be shared			
	<input type="checkbox"/> No, [Other, Specify]				
Where will you share the data?	<input checked="" type="checkbox"/> REACH Resource Centre	<input type="checkbox"/> OCHA HDX			
	<input type="checkbox"/> HumanitarianResponse	<input type="checkbox"/> [Other, Specify]			
<b>Data protection risk assessment</b>					
Have you completed the Indicators Risk Assessment table below?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No, no information that potentially allows identification of individuals is to be collected.			
<b>Risk indicator</b>	<b>Type of identification risk</b>	<b>Disclosure implications</b>	<b>Benefits</b>	<b>Class</b>	<b>Required mitigation</b>
KIs phone number	Direct identification of interviewee	Loss of privacy	Necessary to enable enumerators to follow up KIs during data cleaning.	B1	To be deleted from raw dataset once data cleaning and processing completed.
GPS coordinates of KIs location	Direct identification of location of interviewee	Loss of privacy	Necessary to ensure that data was properly collected.	B1	To be deleted from raw dataset once data cleaning and processing completed.
<b>Responsibilities</b>					
Data collection	REACH enumerators				
Data cleaning	Fitsum Tsegaye, Database officer				
Data analysis	Fitsum Tsegaye, Database officer				
Data sharing/uploading	Fitsum Tsegaye, Database officer				

## 8. Monitoring & Evaluation Plan

IMPACT Objective	External M&E Indicator	Internal M&E Indicator	Focal point	Tool	Will indicator be tracked?
Humanitarian stakeholders are accessing IMPACT products	Number of humanitarian organisations accessing IMPACT services/ products	# of downloads of x product from Resource Center	Country request to HQ	User_log	x Yes
		# of downloads of x product from Relief Web	Country request to HQ		x Yes
		# of downloads of x product from Country level platforms	Country team		<input type="checkbox"/> Yes
	Number of individuals accessing IMPACT services/products	# of page clicks on x product from REACH global newsletter	Country request to HQ		x Yes
		# of page clicks on x product from country newsletter, sendingBlue, bit.ly	Country team		x Yes
		# of visits to x webmap/x dashboard	Country request to HQ		<input type="checkbox"/> Yes
IMPACT activities contribute to better program implementation and coordination of the humanitarian response	Number of humanitarian organisations utilizing IMPACT services/products	# references in HPC documents (HNO, SRP, Flash appeals, Cluster/sector strategies)	Country team	Reference_log	Ethiopia HNO 2022
		# references in single agency documents			Ethiopia CCD and Ethiopia CWG 2022 strategy documents
Humanitarian stakeholders are using IMPACT products	Humanitarian actors use IMPACT evidence/ products as a basis for decision making, aid planning and delivery	Perceived relevance of IMPACT country-programs	Country team	Usage_Feedback and Usage_Survey template	Usage survey to be conducted after one off round of the assessment has been completed.
		Perceived usefulness and influence of IMPACT outputs			
		Recommendations to strengthen IMPACT programs			
		Perceived capacity of IMPACT staff			
		Perceived quality of outputs/programs			
	Number of humanitarian documents (HNO, HRP, cluster/agency strategic plans, etc.) directly informed by IMPACT products	Recommendations to strengthen IMPACT programs			
Humanitarian stakeholders are engaged in IMPACT programs throughout the research cycle	Number and/or percentage of humanitarian organizations directly contributing to IMPACT programs (providing resources, participating to presentations, etc.)	# of organisations providing resources (i.e.staff, vehicles, meeting space, budget, etc.) for activity implementation	Country team	Engagement_log	x Yes
		# of organisations/clusters inputting in research design and joint analysis			x Yes
		# of organisations/clusters attending briefings on findings;			x Yes

## Annex 1: Data Analysis Plan

### KII Analysis Plan\*

Research questions	IN#	Indicator/ Variable	Question	Instructions	Responses	Data collection method
		Consent	Hello, my name is (enumerator name), and I am working with REACH Initiative. We are conducting interviews with traders, transporters and consumers to better understand critical markets supply routes of key commodities and barriers in the supply chains in Ethiopia. Any information you provide will not be used to identify you and we are not recording your voice or identity. We will ask for your name and phone number, which may be used to clarify responses, over the phone. Contacts will not be passed to any other agency, individual or organisation. Responses are voluntary and you can choose to stop the interview, not answer questions, or ask questions of your own at any time. You will not be paid for your responses but there are no risks. This interview will take about 30 minutes. We hope you will participate since your views are important in helping NGOs plan cash-based interventions better in your area.	select_one	Yes No	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	1	State of assessment	In which state is the assessment being conducted?	select_one	[state]	KI
	2	Zone of assessment	In which zone is the assessment being conducted?	select_one	[zone]	KI
	3	Woreda of assessment	In which woreda is the assessment being conducted?	select_one	[woreda]	KI
	4	City/town of assessment	In which city or town is the assessment being conducted?	text	Enter text	KI
	5	Main marketplace	Which marketplace is currently being assessed?	text	Enter text	KI
metadata	6	KIs supply chain level	What is the supply chain level of KI?	select_one	Retailer Wholesaler Transporter Consumer	KI

	7		Supply chain item to be assess?		Maize Beef Sheep Goat Camel meat Bath soap Charcoal Other (please specify)	
<b>Consumers</b>						
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	8	Available local cereals in the marketplaces	What type of local cereals do you access from this marketplace?	select_multiple	Maize Sorghum Teff Wheat Barley Enset Rice Other (please specify)	KI
	9		If other, please specify?	text	Enter text	KI
	10	Availability of maize in the marketplaces	How would you describe the availability of maize in this marketplace over the past 30 days?	select_one	Widely available. Limited availability (only sold in small quantities or by a small number of traders). Completely unavailable. Other (please specify). Do not know. Prefer not to answer.	KI
	11		If other, please specify?	text	Enter text	KI
	12	Reasons for limited availability of maize in marketplaces	If maize is in limited availability, what are the reasons?	select_multiple	Producers have been producing less. Demand for these items has increased. Suppliers have been unable to meet their customers' demand. Domestic transport restrictions have cut off supply routes for these commodities. International border closures have cut off supply routes for these commodities. There is a shortage of carriers who can transport the goods needed. Conflict-related and military-related restrictions. Other (please specify). Do not know.	KI

					Prefer not to answer.	
	13		If other, please specify?	text	Enter text	KI
	14	Maize consumers' affordability	Over the past 30 days, are you able to consistently afford maize from this marketplace?	select_one	Yes No Don't know Prefer not to answer	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	15	Consumers financial access barriers to maize	If not, what are the financial access barriers that you face in accessing maize?	select_multiple	I cannot afford the items available in this marketplace / prices for items in this marketplace are too high. Public transportation is too expensive and I cannot afford to pay for it. Fuel is too expensive and I cannot afford to purchase it for my personal vehicle. Do not have enough physical currency on hand to pay for the items I need (ex. vendors will not issue credit, money only in mobile wallets, cash vouchers but no actual cash, etc). Do not have enough physical currency on hand to pay for public transport (ex. money only in mobile wallets, cash vouchers but no actual cash, etc.). My means of transport was damaged during the conflict and I cannot afford to repair it / buy a new one. Banks services are unavailable due to conflict. Do not know. Prefer not to answer. Other (please specify).	KI
Where are main marketplaces located in the assessed woreda, are they functional and what barriers exist to accessing these markets?	16	Available local meat in the marketplaces	What type of local meat do you access from this marketplace?	select_multiple	Beef Mutton (sheep meat) Goat meat Camel meat Chicken Fish Other (please specify)	KI
	17		If other, please specify?	text	Enter text	KI
	18	Availability of local meat in the marketplaces	Over the past 30 days, how would you describe the availability of [local meat] in this marketplace?	select_one	Widely available. Limited availability (only sold in small quantities or by a small number of traders). Completely unavailable. Other (please specify). Do not know.Prefer not to answer.	KI



	19		If other, please specify?	text	Enter text	KI
	20	Reasons for limited availability of local meat in marketplaces	If [the local meat] is in limited availability, what are the reasons?	select_multiple	Producers have been producing less. Demand for these items has increased. Suppliers have been unable to meet their customers' demand. Domestic transport restrictions have cut off supply routes for these commodities. International border closures have cut off supply routes for these commodities. There is a shortage of carriers who can transport the goods needed. Conflict-related and military-related restrictions. Other (please specify). Do not know. Prefer not to answer.	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	21	Reasons for limited availability of local meat in marketplaces	If other, please specify?	text	Enter text	KI
	22	Local meat consumers' affordability	Over the past 30 days, are you able to consistently afford [the local meat] from this marketplace?	select_one	Yes No Don't know Prefer not to answer	KI
	23	Consumers financial access barriers to local meat	If not, what are the financial access barriers that you face in accessing [the local meat]?	select_multiple	I cannot afford the items available in this marketplace / prices for items in this marketplace are too high. Public transportation is too expensive and I cannot afford to pay for it. Fuel is too expensive and I cannot afford to purchase it for my personal vehicle. Do not have enough physical currency on hand to pay for the items I need (ex. vendors will not issue credit, money only in mobile wallets, cash vouchers but no actual cash, etc). Do not have enough physical currency on hand to pay for public transport (ex. money only in mobile wallets, cash vouchers but no actual cash, etc.). My means of transport was damaged during the conflict and I cannot afford to repair it / buy a new one. Banks services are unavailable due to conflict. Do not know.	KI

					Prefer not to answer. Other (please specify).	
	24		If other, please specify?	text	Enter text	KI
	25	Available local cooking fuel in the markets	What types of cooking fuel do you access from this marketplace?	select_multiple	Paraffin Cooking gas Charcoal Fire wood Other (please specify)	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	26	Available local cooking fuel in the markets	If other, please specify?	text	Enter text	KI
	27	Availability of charcoal in the marketplaces	Over the past 30 days, how would you describe the availability of charcoal in this marketplace?	select_one	Widely available. Limited availability (only sold in small quantities or by a small number of traders). Completely unavailable. Other (please specify). Do not know. Prefer not to answer.	KI
	28		If other, please specify?	text	Enter text	KI
	29	Reasons for limited availability of charcoal in marketplaces	If charcoal is in limited availability, what are the reasons?	select_multiple	Producers have been producing less. Demand for these items has increased. Suppliers have been unable to meet their customers' demand. Domestic transport restrictions have cut off supply routes for these commodities. International border closures have cut off supply routes for these commodities. There is a shortage of carriers who can transport the goods needed. Conflict-related and military-related restrictions. Other (please specify). Do not know. Prefer not to answer.	KI
	30		If other, please specify?	text	Enter text	KI
	31	Charcoal consumers' affordability	Over the past 30 days, are you able to consistently afford charcoal from this marketplace?	select_one	Yes No Don't know Prefer not to answer	KI
Where are main key commodities'	32	Consumers financial access	If not, what are the financial access barriers that you face in accessing charcoal?	select_multiple	I cannot afford the items available in this marketplace / prices for items in this marketplace are too high.	KI

marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?		barriers to local cooking fuel			Public transportation is too expensive and I cannot afford to pay for it. Fuel is too expensive and I cannot afford to purchase it for my personal vehicle. Do not have enough physical currency on hand to pay for the items I need (ex. vendors will not issue credit, money only in mobile wallets, cash vouchers but no actual cash, etc). Do not have enough physical currency on hand to pay for public transport (ex. money only in mobile wallets, cash vouchers but no actual cash, etc.). My means of transport was damaged during the conflict and I cannot afford to repair it / buy a new one. Banks services are unavailable due to conflict. Do not know. Prefer not to answer. Other (please specify).	
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	33	Consumers financial access barriers to local cooking fuel	If other, please specify?	text	Enter text	KI
	34	Available local hygiene items in the marketplaces	What types of local hygiene items do you access from this marketplace?	select_multiple	Bath soap Sanitary pads Toothbrush and toothpaste Bleach Water Other (please specify)	KI
	35		If other, please specify?	text	Enter text	KI
	36	Availability of bath soap in the marketplaces	Over the past 30 days, how would you describe the availability of bath soap in this marketplace?	select_one	Widely available. Limited availability (only sold in small quantities or by a small number of traders). Completely unavailable. Other (please specify). Do not know. Prefer not to answer.	KI
	37		If other, please specify?	text	Enter text	KI
Where are main key commodities' marketplaces located in the	38	Reasons for limited availability of bath soap in marketplaces	If bath soap is in limited availability, what are the reasons?	select_multiple	Producers have been producing less. Demand for these items has increased. Suppliers have been unable to meet their customers' demand.	KI

assessed woredas, are they functional and what barriers exist to accessing these markets?					Domestic transport restrictions have cut off supply routes for these commodities. International border closures have cut off supply routes for these commodities. There is a shortage of carriers who can transport the goods needed. Conflict-related and military-related restrictions. Other (please specify). Do not know. Prefer not to answer.	
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	39	Reasons for limited availability of bath soap in marketplaces	If other, please specify?	text	Enter text	KI
	40	Bath soap consumers' affordability	Over the past 30 days, are you able to consistently afford bath soap from this marketplace?	select_one	Yes No Don't know Prefer not to answer	KI
	41	Consumers financial access barriers to bath soap	If not, what are the financial access barriers that you face in accessing bath soap?	select_multiple	I cannot afford the items available in this marketplace / prices for items in this marketplace are too high. Public transportation is too expensive and I cannot afford to pay for it. Fuel is too expensive and I cannot afford to purchase it for my personal vehicle. Do not have enough physical currency on hand to pay for the items I need (ex. vendors will not issue credit, money only in mobile wallets, cash vouchers but no actual cash, etc). Do not have enough physical currency on hand to pay for public transport (ex. money only in mobile wallets, cash vouchers but no actual cash, etc.). My means of transport was damaged during the conflict and I cannot afford to repair it / buy a new one. Banks services are unavailable due to conflict. Do not know Prefer not to answer Other (please specify)	KI
	42		If other, please specify?	text	Enter text	KI
Where are main key commodities'	43	Consumers' physical access	Over the past 30 days, are you currently able to physically and safely reach the marketplaces being	select_one	Yes, am able to access safely without facing access risks and dangers.	KI

marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?		and protection barriers to marketplaces	assessed, or do they face risks and dangers, either along the route or in the marketplace itself?		Yes, am able to access but I face access risks and dangers along the route or in the marketplace. No, am not able to access as I face access risks and dangers along the route or in the marketplace. Don't know. Prefer not to answer.	
	44	Consumers' physical access and protection barriers to marketplaces	Over the past 30 days, if facing risks and dangers in accessing the market physically, what are the barriers (eg. curfews, movement restrictions, active fighting, etc.)?	select_multiple	Curfew and movement restrictions imposed by government or local authorities. Curfew and movement restrictions imposed by armed groups. Marketplace not functional due to conflict-related infrastructural damage, buildings in the marketplace have become hazardous / unsafe. Damaged infrastructure has resulted in product unavailability (e.g. lack of refrigeration). Ongoing / active fighting in the area. Damage to roads leading to marketplace. Electricity lines are fallen on ground and are dangerous. No electricity on the route or at the marketplace. Water pipes are damaged and there is frequent flooding due to that. There are limited transportation options / lack of transportation. Market is open for reduced hours and I can't go during the times when it is open. Do not feel safe accessing the marketplace because of presence of armed groups, fear of being targeted. There is nobody to look after children or elderly while I am visiting the market. Communication channels are disrupted and I would not be able to contact anyone in the event of an emergency. Do not know. Prefer not to answer. Other (please specify).	KI
	45		If other, please specify?	text	Enter text	KI
Where are main key commodities' marketplaces located in the	46	Groups that feel unsafe accessing marketplaces	Are you aware of any groups of people who may not feel safe accessing this marketplace?	select_multiple	I am not aware. Male children (0-17). Female children (0-17).	KI

assessed woredas, are they functional and what barriers exist to accessing these markets?					Male adults (18-59). Female adults (18-59). Male elderly (60+). Female elderly (60+). Persons with disabilities (difficulty seeing, hearing, walking, climbing steps, performing self-care, remembering, concentrating, or communicating in their customary language). Persons with chronic health conditions (heart disease, cancer, lung disease, diabetes, or renal disease). People from specific origin or ethnic group. None. Other (please specify). Do not know. Prefer not to answer.	
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	47	Groups that feel unsafe accessing marketplaces	If other, please specify?	text	Enter text	KI
	48	Reasons for groups feeling unsafe while accessing marketplaces	If any, why do you think these groups may not feel safe accessing this marketplace?	select_multiple	Fear of violence due to gender. Fear of abduction. Feel at risk / more vulnerable due to health conditions or age. Ethnic discrimination. Other (please specify). Do not know. Prefer not to answer.	KI
	49		If other, please specify?	text	Enter text	KI
	50	Consumers' social access barriers to marketplaces	Do you face discrimination, prejudice or poor treatment while accessing this marketplace (based on gender, ethnicity, age, etc.)?	select_one	Yes No Don't know Prefer not to answer	KI
	51		If any, what barriers do you face when accessing markets?	select_multiple	Ethnic or linguistic prejudice. Culture prejudice. Do not know. Prefer not to answer. Other (please specify).	KI
	52		If other, please specify?	text	Enter text	KI
<b>Wholesalers and Retailers</b>						



Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	53	Main local cereal supplied/sold in the marketplace	Which of the following local cereal do you supply/sell to this marketplace?	select_multiple	Maize Sorghum Teff Wheat Barley Enset Rice Other (specify)	KI
	54	Main local cereal supplied/sold in the marketplace	If other, please specify?	text	Enter text	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	55	How many days of maize stock do market actors have before they will run out	For how many days do you estimate your current stock of maize will last under current conditions?	integer	Enter integer	KI
	56	Imminent maize shortage red flag	How many days would it take you to restock maize if you were to place an order with your supplier today?	integer	Enter integer	KI
	57	Estimated number of maize retailers operating in the woreda	Are you able to give an estimate of the retailers that work in this woreda selling maize?	select_one	Yes No Don't know Prefer not to answer	KI
	58	Estimated number of maize retailers operating in the woreda	If yes, how many retailers are estimated to work in this woreda selling maize?	integer	Enter integer	KI
	59	Estimated number of maize wholesalers operating in the woreda	Are you able to give an estimate of the wholesalers that work in this woreda selling maize?	select_one	Yes No Don't know Prefer not to answer	KI
	60		If yes, how many wholesalers are estimated to work in this woreda selling maize?	integer	Enter integer	KI
	61	Estimated number of maize transporters operating in the woreda	Are you able to give an estimate of the transporters that work in this woreda selling maize?	select_one	Yes No Don't know Prefer not to answer	KI
	62		If yes, how many transporters are estimated to work in this woreda selling maize?	integer	Enter integer	KI

What are the main supply route networks for each selected key commodity?	63	Maize supplier's main source	Which of the following sources of supply do you use mostly for maize?	select_one	Buy directly from local producers/farmers. Buy from a wholesaler in this market/woreda. Buy from a supplier in the state's capital. Buy from a supplier in a woreda other than the district capital (specify). Buy/import from supplier in another country Other (specify). Do not know. Prefer not to answer.	KI
What are the main supply route networks for each selected key commodity?		Maize supplier's main source	If other, please specify?	text	Enter text	KI
	64	Maize supplier's main woreda source	If maize supplier is from another woreda, which woreda?	select_one	[woreda]	KI
	65	Maize supplier's main country source	If from a maize supplier in another country, which country?	select_one	Eritrea Sudan South Sudan Djibouti Uganda Kenya Somalia Somaliland Other (specify) Do not know Prefer not to answer	KI
	66		If other, please specify?	text	Enter text	KI
	67	Maize supplier's transportation mode	What means of transport does your supplier mostly use to supply maize to this marketplace?	select_one	Truck Car Donkey Motor cycle Boat Canoe Other (specify) Do not know Prefer not to answer	KI
	68		If other mode of transport, please specify?	text	Enter text	KI
	69	Main state supply routes of maize	Over the past 30 days, name the main states through which maize passes on its way to this marketplace?	select_multiple	[state]	KI

	70	Main zone supply routes of maize	Over the past 30 days, name the main zones through which the maize passes on its way to this marketplace?	select_multiple	[zone]	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	71	Main local meat supplied/sold in the marketplace	which of the following local meat do you supply/sell to this marketplace?	select_multiple	Beef Mutton (sheep meat) Goat meat Camel meat Chicken Fish Other (please specify)	KI
	72		If other, please specify?	text	Enter text	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	73	How many days of meat stock do market actors have before they will run out	For how many days do you estimate your current stock of meat will last under current conditions?	integer	Enter integer	KI
	74	Imminent meat shortage red flag	How many days would it take you to restock [the local meat] if you were to place an order with your supplier today?	integer	Enter integer	KI
	75	Estimated number of meat retailers operating in the woreda	Are you able to give an estimate of the retailers that work in this woreda selling meat?	select_one	Yes No Don't know Prefer not to answer	KI
	76	Estimated number of meat retailers operating in the woreda	If yes, how many retailers are estimated to work in this woreda selling [the local meat]?	integer	Enter integer	KI
	77	Estimated number of meat wholesalers operating in the woreda	Are you able to give an estimate of the wholesalers that work in this woreda selling [the local meat]?	select_one	Yes No Don't know Prefer not to answer	KI
	78		If yes, how many wholesalers are estimated to work in this woreda selling [the local meat]?	integer	Enter integer	KI
	79	Estimated number of meat transporters operating in the woreda	Are you able to give an estimate of the transporters that work in this woreda selling [the local meat]?	select_one	Yes No Don't know Prefer not to answer	KI
	80		If yes, how many transporters are estimated to work in this woreda selling [the local meat]?	integer	Enter integer	KI

What are the main supply route networks for each selected key commodity?	81	Local meat supplier's main source	which of the following sources of supply do you use mostly for [the local meat]?	select_one	Buy directly from local producers/farmers. Buy from a wholesaler in this market/woreda. Buy from a supplier in the state's capital. Buy from a supplier in a woreda other than the district capital (specify). Buy/import from supplier in another country. Other (specify). Do not know. Prefer not to answer.	KI
	82	Local meat supplier's main source	If other, please specify?	text	Enter text	KI
	83	Local meat supplier's main woreda source	If [local meat] supplier is from another woreda, which woreda?	select_one	[woreda]	KI
	84	Local meat supplier's main country source	If from a meat supplier in another country, which country?	select_one	Eritrea Sudan South Sudan Djibouti Uganda Kenya Somalia Other (specify) Do not know Prefer not to answer	KI
What are the main supply route networks for each selected key commodity?	85	Local meat supplier's main country source	If other country, please specify?	text	Enter text	KI
	86	Local meat supplier's transportation mode	what means of transport does your supplier mostly use to supply [local meat] to this marketplace?	select_one	Truck Car Donkey Motor cycle Boat Canoe Other (specify) Do not know Prefer not to answer	KI
	87		If other mode of transport, please specify?	text	Enter text	KI
	88	Main state supply routes of meat	Name the main states through which the [local meat] passes on its way to this marketplace?	select_multiple	[state]	KI

	89	Main zone supply routes of meat	Name the main zones through which the [local meat] passes on its way to this marketplace?	select_multiple	[zone]	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	90	Main cooking fuel supplied/sold in the marketplace	which of the following local cooking fuel do you supply/sell to this marketplace?	select_multiple	Paraffin Cooking gas Charcoal Fire wood Other (please specify)	KI
	91		If other, please specify?	text	Enter text	KI
	92	How many days of cooking fuel stock do market actors have before they will run out	For how many days do you estimate your current stock of charcoal will last under current conditions?	integer	Enter integer	KI
	93	Imminent charcoal shortage red flag	How many days would it take you to restock charcoal if you were to place an order with your supplier today?	integer	Enter integer	KI
	94	Estimated number of charcoal retailers operating in the woreda	Are you able to give an estimate of the retailers that work in this woreda selling charcoal?	select_one	Yes No Don't know Prefer not to answer	KI
	95	Estimated number of charcoal retailers operating in the woreda	If yes, how many retailers are estimated to work in this woreda selling charcoal?	integer	Enter integer	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	96	Estimated number of charcoal wholesalers operating in the woreda	Are you able to give an estimate of the wholesalers that work in this woreda selling charcoal?	select_one	Yes No Don't know Prefer not to answer	KI
	97		If yes, how many wholesalers are estimated to work in this woreda selling charcoal?	integer	Enter integer	KI
	98	Estimated number of charcoal transporters operating in the woreda	Are you able to give an estimate of the transporters that work in this woreda selling charcoal?	select_one	Yes No Don't know Prefer not to answer	KI
	99		If yes, how many transporters are estimated to work in this woreda selling charcoal?	integer	Enter integer	KI

What are the main supply route networks for each selected key commodity?	100	Charcoal supplier's main source	Over the past 30 days, which of the following sources of supply do you use mostly for the charcoal?	select_one	Buy directly from local producers/farmers Buy from a wholesaler in this market/woreda Buy from a supplier in the state's capital Buy from a supplier in a woreda other than the district capital (specify) Buy/import from supplier in another country Other (specify) Do not know Prefer not to answer	KI
	101	Charcoal supplier's main source	If other, please specify?	text	Enter text	KI
	102	Charcoal supplier's main woreda source	If charcoal supplier is from another woreda, which woreda?	select_one	[woreda]	KI
	103	Charcoal supplier's main country source	If from a fuel supplier in another country, which country?	select_one	Eritrea Sudan South Sudan Djibouti Uganda Kenya Somalia Other (specify) Do not know Prefer not to answer	KI
	104		If other, please specify?	text	Enter text	KI
What are the main supply route networks for each selected key commodity?	105	Charcoal supplier's transportation mode	Over the past 30 days, what means of transport does your supplier mostly use to supply charcoal to this marketplace?	select_one	Truck Car Donkey Motor cycle Boat Canoe Other (specify) Do not know Prefer not to answer	KI
	106		If other mode of transport, please specify?	text	Enter text	KI
	107	Main state supply routes of cooking fuel	Name the main states through which the charcoal passes on its way to this market place?	select_multiple	[state]	KI



	108	Main zone supply routes of cooking fuel	Name the main zones through which the charcoal passes on its way to this market place?	select_multiple	[zone]	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	109	Main bath soap supplied/sold in the marketplace	Over the past 30 days, which of the following local hygiene items do you supply/sell to this marketplace?	select_multiple	Bath soap Sanitary pads Toothbrush and toothpaste Bleach Water Other (please specify	KI
	110		If other, please specify?	text	Enter text	KI
	111	How many days of bath soap stock do market actors have before they will run out	For how many days do you estimate your current stock of bath soap will last under current conditions?	integer	Enter integer	KI
	112	Imminent bath soap items shortage red flag	How many days would it take you to restock bath soap if you were to place an order with your supplier today?	integer	Enter integer	KI
	113	Estimated number of bath soap retailers operating in the woreda	Are you able to give an estimate of the retailers that work in this woreda selling bath soap?	select_one	Yes No Don't know Prefer not to answer	KI
	114	Estimated number of bath soap retailers operating in the woreda	If yes, how many retailers are estimated to work in this woreda selling bath soap?	integer	Enter integer	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	115	Estimated number of bath soap wholesalers operating in the woreda	Are you able to give an estimate of the wholesalers that work in this woreda selling bath soap?	select_one	Yes No Don't know Prefer not to answer	KI
	116		If yes, how many wholesalers are estimated to work in this woreda selling bath soap?	integer	Enter integer	KI
	117	Estimated number of bath soap transporters operating in the woreda	Are you able to give an estimate of the transporters that work in this woreda selling bath soap?	select_one	Yes No Don't know Prefer not to answer	KI
	118		If yes, how many transporters are estimated to work in this woreda selling bath soap?	integer	Enter integer	KI

What are the main supply route networks for each selected key commodity?	119	Bath soap items supplier's main source	Over the past 30 days, which of the following sources of supply do you use mostly for the bath soap?	text	Buy directly from local producers/farmers. Buy from a wholesaler in this market/woreda. Buy from a supplier in the state's capital. Buy from a supplier in a woreda other than the district capital (specify). Buy/import from supplier in another country. Other (specify). Do not know. Prefer not to answer.	KI
What are the main supply route networks for each selected key commodity?	120	Bath soap supplier's main source	If other, please specify?	text	Enter text	KI
	121	Bath soap supplier's main woreda source	If bath soap supplier is from another woreda, which woreda?	select_one	[woreda]	KI
	122	Bath soap supplier's main country source	If from a hygiene items supplier in another country, which country?	select_one	Eritrea Sudan South Sudan Djibouti Uganda Kenya Somalia Other (specify) Do not know Prefer not to answer	KI
	123	Bath soap supplier's main country source	If other, please specify?	text	Enter text	KI
	124	Bath soap supplier's transportation mode	What means of transport does your supplier mostly use to supply bath soap to this marketplace?	select_one	Truck Car Donkey Motor cycle Boat Canoe Other (specify) Do not know Prefer not to answer	KI
	125	Bath soap supplier's	If other mode of transport, please specify?	text	Enter text	KI

		transportation mode				
	126	Main state supply routes of cooking fuel	Over the past 30 days, name the main states through which the bath soap passes on its way to this marketplace?	select_multiple	[state]	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	127	Main zone supply routes of cooking fuel	Name the main zones through which the bath soap passes on its way to this marketplace?	select_multiple	[zone]	KI
	128	Vendors' financial barriers to accessing marketplaces	Over the past 30 days, are you able to consistently supply/sell key commodities to this marketplace?	select_one	Yes No Don't know Prefer not to answer	KI
	129		If not, what are the financial access barriers?	select_multiple	Items have become unaffordable for consumers to purchase. There's not enough money to purchase these items in the amounts needed. Transportation availability and cost is expensive. Currency devaluation affecting prices to purchase and sell commodities. High taxation of imported key commodities. Bank services are unavailable due to conflict. Other (please specify). Do not know. Prefer not to answer.	KI
	130		If other, please specify?	text	Enter text	KI
	131	Vendors' physical access and protection barriers to marketplaces	Are you currently able to physically and safely reach the marketplaces in this woreda to supply/sell key commodities, or do they face risks and dangers, either along the route or in the marketplace itself?	select_one	Yes, am able to access safely without facing access risks and dangers. Yes, am able to access but I face access risks and dangers along the route or in the marketplace. No, am not able to access as I face access risks and dangers along the route or in the marketplace. Don't know. Prefer not to answer.	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers	132		Do you face any physical-related barriers (eg. curfews, movement restrictions, active fighting, etc.) operating in this marketplace or dealing with certain businesses/customers ?	select_multiple	Curfew and movement restrictions imposed by government or local authorities. Curfew and movement restrictions imposed by armed groups. Marketplace not functional due to conflict-related infrastructural damage, buildings in the marketplace have become hazardous / unsafe.	KI

exist to accessing these markets?					<p>Damaged infrastructure has resulted in product unavailability (e.g. lack of refrigeration).  Ongoing / active fighting in the area.  Damage to roads leading to marketplace.  Electricity lines are fallen on ground and are dangerous.  No electricity on the route or at the marketplace.  Water pipes are damaged and there is frequent flooding due to that.  There are limited transportation options / lack of transportation.  Market is open for reduced hours and I can't go during the times when it is open.  Do not feel safe accessing the marketplace because of presence of armed groups, fear of being targeted.  There is nobody to look after children or elderly while I am visiting the market.  Communication channels are disrupted and I would not be able to contact anyone in the event of an emergency.  Do not know  Prefer not to answer.  Other (please specify)</p>	
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	133	Vendors' physical access and protection barriers to marketplaces	If other, please specify?	text	Enter text	KI
	134	Vendors' social access barriers to marketplaces	Do you face discrimination, prejudice or poor treatment while accessing this marketplace (based on gender, ethnicity, age, etc.) when supplying/selling key commodities?	select_one	Yes No Don't know Prefer not to answer	KI
	135		If any, what barriers do you face when accessing markets?	select_multiple	Ethnic or linguistic prejudice. Culture prejudice. Do not know. Prefer not to answer. Other (please specify).	KI
	136		If other, please specify?	text	Enter text	KI
Where are main key commodities' marketplaces	137	Vendors' security challenges	Over the past 30 days, have you faced any security challenges that has had an impact on supply routes?	select_one	No, no impact (overall security situation is stable along supply routes).	KI

located in the assessed woredas, are they functional and what barriers exist to accessing these markets?		accessing markets			No, the security situation never prevented me from supplying key commodities. Yes, the security situation currently prevents me from supplying key commodities. Yes, the security situation previously prevented me from supplying key commodities but currently I can supply. Do not know. Prefer not to answer.	
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	138	Vendors' security challenges accessing markets	If yes, which of these security factors have you observed that affect your supply/sell of key commodities?	select_multiple	Theft or robbery of goods. Theft or robbery of cash. Physical attacks on traders. Physical attacks on customers. Verbal harassment of traders. Verbal harassment of customers. Unsafe infrastructure leading to the marketplace (dangerous roads, bridges, transport, etc.). Unsafe infrastructure in the marketplace itself (dangerous areas, unstable buildings, etc.). Other (specify). Do not know. Prefer not to answer.	KI
	139		If other, please specify?	text	Enter text	KI
	140	Marketplaces security challenge likely duration	If yes, is the unrest expected to be temporary or long-lasting (i.e. disrupting transport for longer than 1 month)?	select_one	Temporary (not more than a month). Long lasting (more than a month). Do not know. Prefer not to answer.	KI
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	141	Supply of key commodities affected by season	Does the supply of key commodities change depending on the (wet and dry) season?	select_one	Yes No I don't know Prefer not to answer	KI
	142	Effects of changing seasons on supply of key commodities to marketplaces	If yes, how does the change of seasons affect transportation of key commodities to marketplaces?		Roads become impassable hindering transportation of key commodities. Alternative routes are used. Transportation costs increase. Mode of transportation changes. Other (specify). Do not know. Prefer not to answer.	KI

	143		If other, please specify?	text	Enter text	KI
	144		If yes, what new modes of transportation or routes need to be used?	select_one	Road Rail River Air Other (specify)	
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	145	Effects of changing seasons on supply of key commodities to marketplaces	If other, please specify?	text	Enter text	KI
	146		What roads become impassable due to change of weather and where?	text	Enter text	KI
	147		If transportation costs increase as a result of change of seasons, by what percentage do transportation costs for supply of key commodities increase as a result of change in weather?	select_one	1-10% 11-25% 26-50% 51-75% 76-100% More than 100% Don't know Prefer not to answer	KI
	148	Vendors' additional information on barriers affecting their supply/sell of key commodities	Is there anything else you would like to add about the barriers affecting your access to marketplaces to supply/sell key commodities?	select_one	Yes No Do not know Prefer not to answer	KI
	149		If yes, please tell us?	text	Enter text	KI
<b>Transporters</b>						
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	150	Local cereal transported along supply routes	Which of these local cereals do you transport?	select_multiple	Maize Sorghum Teff Wheat Barley Enset Rice Other (specify)	KI
	151		If other, please specify?	text	Enter text	KI
	152	Estimated number of maize retailers operating in the woreda	Are you able to give an estimate of the retailers that work in this woreda selling maize?	select_one	Yes No Don't know Prefer not to answer	KI
	153	Estimated number of maize retailers	If yes, how many retailers are estimated to work in this woreda selling maize?	integer	Enter integer	KI



		operating in the woreda				
Where are main key commodities' marketplaces located in the assessed woredas, are they functional and what barriers exist to accessing these markets?	154	Estimated number of maize wholesalers operating in the woreda	Are you able to give an estimate of the wholesalers that work in this woreda selling maize?	select_one	Yes No Don't know Prefer not to answer	KI
	155		If yes, how many wholesalers are estimated to work in this woreda selling maize?	integer	Enter integer	KI
	156	Estimated number of maize transporters operating in the woreda	Are you able to give an estimate of the transporters that work in this woreda selling maize?	select_one	Yes No Don't know Prefer not to answer	KI
	157		If yes, how many transporters are estimated to work in this woreda selling maize?	integer	Enter integer	KI
What are the main supply route networks for each selected key commodity?	158	Maize transporters supplier's main source	Over the past 30 days, which of the following sources do you mostly transport maize from?	select_one	Directly from local producers/farmers. From a wholesaler in this marketplace/woreda. From a supplier in the state's capital. From a supplier in a woreda other than the district capital (specify). Import from supplier in another country. Other (specify). Do not know. Prefer not to answer.	KI
	159		If other, please specify?	text	Enter text	KI
	160	Maize transporters supplier's main woreda source	If from another woreda, which woreda?	select_one	[woreda]	KI
	161	Maize transporters supplier's main country source	If in another country, which country?	select_one	Eritrea Sudan South Sudan Djibouti Uganda Kenya Somalia Somaliland Other (specify) Do not know Prefer not to answer	KI
	162		If other, please specify?	text	Enter text	KI

What are the main supply route networks for each selected key commodity?	163	Maize transporters supplier's transportation mode	What means of transport do you mostly use to physically transport maize?	select_multiple	Truck Car Donkey Motor cycle Boat Canoe Other (specify) Do not know Prefer not to answer	KI
What are the main supply route networks for each selected key commodity?	164	Maize transporters supplier's transportation mode	If other mode of transport, please specify?	text	Enter text	KI
	165	Maize transporters supplier's transportation mode	Which types of transport are used on which parts of the route?	text	Enter text	KI
	166	Main states along supply routes of Maize	Name the main states through which maize passes on its way to different marketplaces/woredas in Ethiopia?	select_multiple	[state]	KI
	167	Main zones along supply routes of Maize	Name the main zones through which maize passes on its way to different marketplaces/woredas in Ethiopia?	select_multiple	[zone]	KI
	168	Main border crossing along supply routes of Maize	Do you know the main border crossing through which maize must pass in order to reach your marketplace?	select_one	Yes No Do not know Prefer not to answer	KI
	169	Main border crossings for Maize	If yes, what are the main border crossing through which maize must pass in order to reach your marketplace?	select_multiple	Ethiopia–Djibouti Ethiopia–Eritrea Ethiopia–Kenya Ethiopia–Somalia Ethiopia–Somaliland Ethiopia–Sudan Other (specify) Do not know Prefer not to answer	KI
	170		If other, please specify?		Enter text	KI
	171	Local meat transported along supply routes	Which of these local meats do you transport?	select_multiple	Beef Mutton (sheep meat) Goat meat Camel meat Chicken	KI

					Fish Other (please specify)	
	172		If other, please specify?	text	Enter text	KI
What are the main supply route networks for each selected key commodity?	173	Local meat transporters supplier's main source	Over the past 30 days, which of the following sources do you mostly transport [the local meat] from?	select_one	Directly from local producers/farmers. From a wholesaler in this marketplace/woreda. From a supplier in the state's capital. From a supplier in a woreda other than the district capital (specify). Import from supplier in another country. Other (specify). Do not know. Prefer not to answer.	KI
What are the main supply route networks for each selected key commodity?	174		If other, please specify?	text	Enter text	KI
	175	Local meat transporters supplier's main woreda source	If from another woreda, which woreda?	select_one	[woreda]	KI
	176	Local meat transporters supplier's main country source	If in another country, which country?	select_one	Eritrea Sudan South Sudan Djibouti Uganda Kenya Somalia Somaliland Other (specify) Do not know Prefer not to answer	KI
	177		If other, please specify?	text	Enter text	KI
	178	Local meat transporters supplier's transportation mode	Over the past 30 days, what means of transport do you mostly use to physically transport [the local meat]?	select_multiple	Truck Car Donkey Motor cycle Boat Canoe Other (specify) Do not know Prefer not to answer	KI
	179		If other mode of transport, please specify?	text	Enter text	KI

What are the main supply route networks for each selected key commodity?	180		Which types of transport are used on which parts of the route?	text	Enter text	KI
	181	Main states along supply routes of local meat	Name the main states through which [the local meat] passes on its way to different marketplaces/woredas in Ethiopia?	select_multiple	[state]	KI
	182	Main zones along supply routes of local meat	Name the main zones through which [the local meat] passes on its way to different marketplaces/woredas in Ethiopia?	select_multiple	[zone]	KI
	183	Main border crossing along supply routes of local meat	Do you know the main border crossing through which [the local meat] must pass in order to reach your marketplace?	select_one	Yes No Do not know Prefer not to answer	KI
	184	Main border crossings for local meat	If yes, what are the main border crossing through which [the local meat] must pass in order to reach your marketplace?	select_multiple	Ethiopia–Djibouti Ethiopia–Eritrea Ethiopia–Kenya Ethiopia–Somalia Ethiopia–Somaliland Ethiopia–Sudan Other (specify) Do not know Prefer not to answer	KI
	185		If other, please specify?		Enter text	KI
	186	Local cooking fuel transported along supply routes	Which of these local cooking fuel do you transport?	select_multiple	Paraffin Cooking gas Charcoal Fire wood Other (please specify)	KI
	187		If other, please specify?	text	Enter text	KI
	188	Charcoal transporters supplier's main source	Over the past 30 days, which of the following sources do you mostly transport charcoal from?	select_one	Directly from local producers/farmers. From a wholesaler in this marketplace/woreda. From a supplier in the state's capital. From a supplier in a woreda other than the district capital (specify). Import from supplier in another country. Other (specify). Do not know. Prefer not to answer.	KI
	189		If other, please specify?	text	Enter text	KI

	190	Charcoal transporters supplier's main woreda source	If from another woreda, which woreda?	select_one	[woreda]	KI
What are the main supply route networks for each selected key commodity?	191	Charcoal transporters supplier's main country source	If in another country, which country?	select_one	Eritrea Sudan South Sudan Djibouti Uganda Kenya Somalia Somaliland Other (specify) Do not know Prefer not to answer	KI
	192		If other, please specify?	text	Enter text	KI
What are the main supply route networks for each selected key commodity?	193	Charcoal transporters supplier's transportation mode	What means of transport do you mostly use to physically transport charcoal?	select_multiple	Truck Car Donkey Motor cycle Boat Canoe Other (specify) Do not know Prefer not to answer	KI
	194		If other mode of transport, please specify?	text	Enter text	KI
	195		Which types of transport are used on which parts of the route?	text	Enter text	KI
	196	Main states along supply routes of local cooking fuel	Name the main states through which charcoal passes on its way to different marketplaces/woredas in Ethiopia?	select_multiple	[state]	KI
	197	Main zones along supply routes of local cooking fuel	Name the main zones through which charcoal passes on its way to different marketplaces/woredas in Ethiopia?	select_multiple	[zone]	KI
	198	Main border crossing along supply routes of local cooking fuel	Do you know the main border crossing through which charcoal must pass in order to reach your marketplace?	select_one	Yes No Do not know Prefer not to answer	KI

	199	Main border crossings for local cooking fuel	If yes, what are the main border crossing through which charcoal must pass in order to reach your marketplace?	select_multiple	Ethiopia–Djibouti Ethiopia–Eritrea Ethiopia–Kenya Ethiopia–Somalia Ethiopia–Somaliland Ethiopia–Sudan Other (specify) Do not know Prefer not to answer	KI
What are the main supply route networks for each selected key commodity?	200	Main border crossings for charcoal	If other, please specify?		Enter text	KI
	201	Local hygiene items transported along supply routes	Which of these local hygiene items do you transport?	select_multiple	Bath soap Sanitary pads Toothbrush and toothpaste Bleach Water Other (please specify)	KI
	202		If other, please specify?	text	Enter text	KI
	203	Bath soap transporters supplier's main source	Over the past 30 days, which of the following sources do you mostly transport bath soap from?	select_one	Directly from local producers/farmers. From a wholesaler in this marketplace/woreda. From a supplier in the state's capital. From a supplier in a woreda other than the district capital (specify). Import from supplier in another country. Other (specify). Do not know. Prefer not to answer.	KI
	204		If other, please specify?	text	Enter text	KI
	205	Bath soap transporters supplier's main woreda source	If from another woreda, which woreda?	select_one	[woreda]	KI
	206	Bath soap transporters supplier's main country source	If in another country, which country?	select_one	Eritrea Sudan South Sudan Djibouti Uganda Kenya	KI

					Somalia Somaliland Other (specify) Do not know Prefer not to answer	
	207		If other, please specify?	text	Enter text	KI
What are the main supply route networks for each selected key commodity?	208	Bath soap transporters supplier's transportation mode	What means of transport do you mostly use to physically transport bath soap?	select_multiple	Truck Car Donkey Motor cycle Boat Canoe Other (specify) Do not know Prefer not to answer	KI
What are the main supply route networks for each selected key commodity?	209		If other mode of transport, please specify?	text	Enter text	KI
	210		Which types of transport are used on which parts of the route?	text	Enter text	KI
	211	Main states along supply routes of bath soap	Name the main states through which bath soap passes on its way to different marketplaces/woredas in Ethiopia?	select_multiple	[state]	KI
	212	Main zones along supply routes of bath soap	Name the main zones through which bath soap passes on its way to different marketplaces/woredas in Ethiopia?	select_multiple	[zone]	KI
	213	Main border crossing along supply routes of bath soap	Do you know the main border crossing through which bath soap must pass in order to reach your marketplace?	select_one	Yes No Do not know Prefer not to answer	KI
	214	Main border crossings for bath soap	If yes, what are the main border crossing through which bath soap must pass in order to reach your marketplace?	select_multiple	Ethiopia–Djibouti Ethiopia–Eritrea Ethiopia–Kenya Ethiopia–Somalia Ethiopia–Somaliland Ethiopia–Sudan Other (specify) Do not know Prefer not to answer	KI
	215		If other, please specify?		Enter text	KI

To what extent do barriers along the main supply routes for key commodities affect supply chains?	216	Physical transportation barriers for key commodities affecting along supply routes	Do you face any physical-related barriers (eg. curfews, movement restrictions, active fighting, etc.) when transporting key commodities to Ethiopia's marketplaces and along supply routes?		Yes No Do not know Prefer not to answer	KI
	217	Physical transportation barriers for key commodities affecting along supply routes	If yes, what are the physical barriers?		Domestic transport restrictions have cut off supply routes for these commodities. International border closures have cut off supply routes for these commodities. Conflict or military-related restrictions. Poor road conditions. Limitation of imports to specific amounts. Complete ban against importing of commodities. Government regulations allowing only domestic products. Checkpoints. Other (specify). Do not know. Prefer not to answer.	KI
To what extent do barriers along the main supply routes for key commodities affect supply chains?	218		If other, please specify?		Enter text	KI
	219	Financial barriers along supply routes of key commodities facing transporters	Do you face any financial barriers transporting key commodities to marketplaces or along supply routes in Ethiopia?		Yes No Do not know Prefer not to answer	KI
	220		If yes, what financial barriers?		Increased fuel costs, reducing profits. Currency devaluation increasing transportation costs. Increased checkpoints increasing transportation time. Bank services are unavailable due to conflict. Other (specify). Do not know. Prefer not to answer.	KI
	221		If other, please specify?		Enter text	KI
	222	Social barriers along supply routes of key commodities	Do you face any barriers when transporting key commodities to Ethiopia's marketplaces or along supply routes of key commodities due to prejudice or discrimination?	select_one	Yes No Do not know Prefer not to answer	KI



	223	facing transporters	If yes, what barriers?	select_multiple	Ethnic or linguistic prejudice against certain groups Culture prejudice against certain groups Other (please specify). Do not know. Prefer not to answer.	KI
	224		If other, please specify?	text	Enter text	KI
	225	Effects of changing seasons on transportation of key commodities	Do the supply routes of key commodities change depending on the (wet and dry) season affecting transportation of key commodities to marketplaces or along supply routes?	select_one	Yes No I don't know Prefer not to answer	KI
	226	along supply routes	If yes, how does the change of seasons affect transportation of key commodities along supply routes?	select_multiple	Roads become impassable hindering transportation of key commodities. Alternative routes are used. Transportation costs increase. Mode of transportation changes. Other (specify). Do not know. Prefer not to answer.	KI
To what extent do barriers along the main supply routes for key commodities affect supply chains?	227		If other, please specify?	text	Enter text	KI
	228	Alternative modes of transportation to be used due to changes in seasons	If yes, what new modes of transportation or routes need to be used?	select_one	Road Rail River Air Other (specify)	KI
	229		If other, please specify?	text	Enter text	KI
	230	Supply routes impassible due to weather changes	What roads become impassable due to change of weather and where?	text	Enter text	KI
	231	Impact on transportation cost due to weather changes	By what percentage do transportation costs for key commodities increase as a result of change in weather?	select_one	1-10% 11-25% 26-50% 51-75% 76-100% More than 100% Don't know Prefer not to answer	KI
	232	Transporter's additional	Is there anything else you would like to add about the barriers affecting supply chain routes?	select_one	Yes No	KI

		information on barriers to supply chain routes			Do not know Prefer not to answer	
	234		If yes, please tell us?	text	Enter text	KI