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REPUBLIC OF ETHIOPIA**

**CENTRAL STATISTICAL
AGENCY**

**WELFARE MONITORING
SURVEY 2015/16**

Statistical Report

**Indicators on Living Standard,
Accessibility, Household Assets**

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CHAPTER I

INTRODUCTION

1.1 Overview

The level and distribution of poverty in Ethiopia is declining from time to time and a remarkable economic growth has been observed. In particular, Ethiopian has registered two digits growth rates continuously in the last 15 years. According to the results obtained from the 1999/00 Household Income, Consumption and Expenditure Survey and Welfare Monitoring Survey of the Central Statistical Agency (CSA), 44 percent of the total populations (45 percent in rural areas and 37 percent in urban areas) were found to be below poverty line, furthermore, the 2004/05 surveys showed that 39 percent of the total population were under the poverty line out of which 39 percent in rural areas and 35 percent in urban areas. While the 2010/11 report reveals that 29 percent of the total population were under the poverty line out of which 30 percent in rural areas and 25 percent in urban areas. The latest interim report on poverty analysis study prepared by National Planning Commission (NPC) using the 2015/16 HCES data, explains 23 percent of the population were under the poverty line out of which 25 percent reside in rural areas and around 14 percent in urban areas.

The country together with development partners has put poverty reduction strategies high on the agenda and working firmly on the implementation program over the past two decades. The government accordingly coordinated the design and implementation of the Sustainable Development and Poverty Reduction Program (SDPRP) from year 2002/03 to 2004/05 and a Plan for Accelerated and Sustained Development to the End Poverty (PASDEP) from the year 2005/06 to 2009/10. On the bases of experience gained, the council of ministers and the House of People's Representatives have adopted the Growth and Transformation Plan (GTP1 & GTP2) as the national planning documents of the country for the period 2010/11 to 2019/20. Moreover, the current HCES and WMS surveys also used as a springboard for monitoring and evaluation of the five years growth and transformation plan two (GTP2) of Ethiopia.

In light of the plan to reduce poverty over time, strong system of monitoring and evaluation has also been put in place. Consequently, the issue of welfare monitoring in Ethiopia arose as part of

the Economic Reform Program (ERP). The ERP specifically and strongly underlies to see the effects of the reform program on poverty and building the analytical capacity of the government to monitor and evaluate such effects. To this end, the government has established a Welfare Monitoring System in 1995 to oversight the following major activities:

- Establish an information system that provides a continuous picture of the poverty scenario in the country;
- Indicate the impact of reform programs on the level of household welfare;
- Establish follow-up procedures on the various programs and activities targeted towards poverty reduction and
- Conduct regular statistical surveys to assess, in particular, the efficiency of targeted programs.

CSA and Welfare Monitoring Unit (WMU) of National Planning Commission (NPC) have been the key actors in the M&E system in place by way of producing, analyzing and disseminating poverty related data and results. This effort has been assisted by the development assistance Group (DAG) since the establishment of the above-mentioned M &E system. In line with strengthening the established M&E system of the government, CSA and WMU of NPC had submitted a financial requirement proposal (entitled: Strengthening Data Collection, Analysis and Dissemination on Poverty Monitoring and the MDGs) to the Development Assistant Group (DAG). Following the signing of the Memorandum of Understanding (MOU) between NPC, CSA and the donors, various implementation activities have also been carried out. In addition to the support obtained from DAG, the 2015/16 survey was also supported by WFP (in providing data collection tablet) & UNICEF (in providing iodine test kit).

In order to meet the data needs of the Welfare Monitoring System, CSA has been conducting Household Consumption and Expenditure Survey (HCES) and Welfare Monitoring Survey (WMS) since 1995/96. HCES and WMS surveys provide crucially useful and poverty related information for the designing and monitoring and evaluation of the country's poverty reduction strategy, Sustainable Development and Poverty Reduction Program (SDPRP), various socio-economic policies and programs and hence monitor the progress towards meeting the Millennium Development Goals (MDGs). The two surveys are inseparable and provide basic data that reflect the standard of living of households, individuals and the society as a whole.

HCES basically provides data on consumption and expenditure of households that reflect the income dimension of poverty while WMS aims at providing socioeconomic data that reflects the non-income dimension of poverty. WMS provides basic indicators on the various socioeconomic areas including health, education, access to and utilization and satisfaction of basic facilities/services and related non-income aspects of poverty.

WMS has been conducted together with HCES in 1995/96, 1999/2000 and 2004/05 and has also been carried out alone in 1997 and 1998. Several reports have been produced based on the previous surveys including the statistical reports produced by CSA. These are reports on the 1995/96 HICES and WMS, report on the 1999/2000 HICES and WMS, summary reports for the 1999/2000 HICES and WMS and report on the 1998 WMS survey as well as the two in-depth analytical reports on poverty situation of the country produced by Ministry of Finance and Economic Development. Unlike the previous surveys (2004/05 & 2010/11), the 2015/16 survey include the nutritional status of a children aged 3-59 months.

This report shows detailed statistical tables at country and regional levels compiled for rural and urban areas. This statistical report is divided in to two chapters. The first chapter covers introduction to the survey, where the overview and objectives of the survey, fieldwork and supervision, training of field staff, field organization, data collection, supervision and data processing activities are discussed briefly. In the second chapter, the survey methodology namely: coverage, concepts and definitions, sampling frame, sample design, sample size and selection scheme was noted. Furthermore, estimation procedures of total, ratio and sampling errors, standard errors and CVs of selected variables, coverage of the survey and the questionnaire in English version are presented in annex I, II, III and IV respectively.

The 2015/16 WMS statistical reports at country, rural and urban levels are presented on two separate volumes. In this report (Volume II) Access to selected Facilities housing, status of housing Facilities and tenure possession of household assets' and selected indicators on food security, shocks and general living standard were presented. Furthermore, additional statistical tables that show data at country, rural, urban and major urban centers level are provided in a CD for references.

1.2 Objectives of the Welfare Monitoring Survey

The main objective of the Welfare Monitoring Survey is to provide data that enable to understand the non-income aspects of poverty and has the following specific objectives:

- to assess the level, extent and distribution of non-income poverty;
- to assess the quality of life of households/individuals;
- to provide basic data that enables design, monitor and evaluate the impact of socioeconomic policies and programs on household's /individual's living standard;
- provide basic indicators on household's and individual's living standard with respect to basic needs including
 - ✓ Education, Health, Child nutrition, Child care and breast feeding, access to and utilization of basic facilities, Housing and housing amenities (drinking water, sanitation, energy, etc.), Household assets, selected indicators of living standard (Shocks and coping mechanisms, Food security, etc.), harmful traditional practices and basic population characteristics.

1.3 Training, Organization of the Fieldwork, Data Collection and Supervision

Training of Field staff

Unlike the previous WMS surveys, in the 2015/16 survey the training was carried out in one phase by bringing all actors of the actual work, i.e.; all enumerators, field editors/supervisors and coordinators in one training center from 29 May to 4 July 2015. Accommodation was arranged for trainees as well as trainers at the center in Addis Ababa.

Training of the WMS was given by 10 subject matter experts for about 10 days with four class rooms. All together (HCES & WMS) About 267 enumerators, 89 team leaders or, field editors/supervisors, 25 statisticians from branch offices, 12 statisticians from the directorate and 2 statistical technicians from the head office were participated in the training. The training had, basically, three sessions. Theoretical session, panel group discussion session and a two days field practice session. The panel discussion session has been conducted in the evening just after dinner, usually 8:00 to 10:00 PM, every day excluding Sunday.

The theoretical training was focusing on theoretical discussions on concepts, definitions, and principles of interview and how to complete questionnaires. The training had also focused on practical sessions which include mock interviews and a two day field practice in selected enumeration area around the training center. The objectives of practical interviewing of households were two fold. First, it enabled to assess how well the theoretical class discussions were understood by all participants. The second objective was to examine the practical difficulties pertaining to the various socioeconomic groups, which would likely be encountered during the actual fieldwork. In general, the training was more detailed in both theoretical and practical aspects to ensure the full competence of the field staff in collecting the required data by paper questionnaire and electronic copy using computer assisted personal interview (CAPI).

Field Organization, Data Collection and Supervision

The branch offices mainly led by the Household Surveys and Price Statistics Directorate did the major work of the field organization. All the 25 branch offices of the CSA had fully participated in the survey undertaking, starting from recruitment/selection of field staff, in deploying the field staff to their respective sites of assignment, field supervision and retrieval of the completed questionnaires in the form of hard and soft copy to the head office where the data processing activities take place. The branch offices were also responsible for administering financial and logistics aspects of the survey. Additionally, line government organizations especially Kebele's had also a significant role in facilitating the fieldwork. Writing administrative letters introducing the work, enumerators and field editors to the local people particularly the sampled households, provision of field guides, etc were tasks of the local government units.

Welfare Monitoring Survey data collection has taken place from 8 July 2015 to 7 July 2016. All together a total of 267 enumerators and 89 supervisors/ field editors with an average supervisor-enumerator ratio of 1 to 3, 25 heads of branch offices and 25 statisticians were involved in the field work. To undertake the fieldwork, depending on the availability and the situation, four-wheel-drive vehicles and the public transportations were used to deploy the working team all over the branch offices.

Interview method was basically used to collect data on population characteristics, education, health, household based modules such as accessibility of facilities, household amenities, etc. On the other hand, an Objective measurement method was used to collect anthropometric data like height and weight of children aged 3-59 months. In addition, whether the salt consumed by sampled households was iodized or not was examined objectively using the iodine test kit.

The 2015/16 WMS data, unlike the previous WM surveys was collected side by side with HCES for one full year in order to avoid any inconsistency of data between the two surveys, that could be observed due to differences in data collection period, In addition the 2015/16 WMS/HCES surveys data collection was carried out using electronic device CAPI (Computer Assisted Personal Interview).

Survey Instruments\ questionnaire.

Including the cover page a total of 14 pages (A3 size paper) questionnaire was prepared for the survey to collect data from selected households. The content of the questionnaire was divided in to nine sections.

Section 1 : Demographic Characteristics and Economic Activity: In the first section of this questionnaire , demographic characteristics of the household members such as relationship to the head of household, sex, age , disability status and religion were asked from all members of the household. The second part of this questionnaire deals with the current economic activities of the household members aged 10 years and above. Furthermore, this section also deals, whether a person is engaged in productive activity during the last seven days prior to the date of interview. In this part of the questionnaire, if the person is not engaged in any of productive activity, during the last seven days, the main reason for not engaging in productive activity was also asked. Moreover, the employment status, the occupation and industry for the main jobs were also collected from persons that were engaged in the economic activity or from those who were absent from work/temporarily lay off for that week. In addition, data on marital status was also captured from those members whose age are greater or equal to ten years old.

Section 2: Education: It consists among others, school attendance, dropout, reason for dropout, and literacy status were asked from all members of the household aged 5 years and above.

Section 3: Health: In the first part of this questionnaire (from question 3103-3118), health conditions of all members of the household during the last two months were collected. While, In the second parts i.e . (from question 3119-3130), health information of the last 12 months was also collected to all members of the household.

Section4: Nutritional status, Child Care and Breast Feeding: Data on birth history and breast feeding of children under age of five years were collected throughout the year. After a long time of WMS, in the current survey, weight and height of a children aged 3-59 month were also studied.

Section5: Housing Standard and Amenities: In this section, the selected households were asked about their housing and kitchen standard, sanitation, source of drinking water, fuel and power facilities at the time of the survey, 12 months and 5 years before the survey. And information on ability of consuming iodize salt during the survey period was collected.

Section 6: Household's Living Condition Indicators: Consists of four main sections namely; food security indicators, status of crop production, main source of income and coping strategy of the household.

Section 7: Access, Utilization and Satisfaction of Basic Facilities/Services: This form is used to collect data from the households like distance to service facilities and extent of utilization of the facilities, reason for not using the closest service facility and question on access, utilization and satisfaction of basic facilities.

Section 8: Land and Dwellings Ownership Status, utilization of Land and Other : This section was administered at household level and consists of four main sections namely: dwelling and land ownership status, utilization of land not owned by the household and about fixed assets owned by the household.

Section 9: Harmful traditional practice: This form is used to collect data for children aged 0-14 years about their harmful traditional practice such as, circumcision, cut of his/ her uvula and for ages less than two years particularly about milk teeth

In the process of data collection, a two-time supervision, which also is compulsory activity in CSA surveys, was undertaken at various levels to ensure the quality of the data. The permanent field supervisors/ field editors were assigned to take care of the day-to-day supervision activities. Branch office statisticians and heads of the branch offices were also involved in a regular supervision. Most of the professionals that were engaged in the training of the field staff were also involved on the actual field supervision.

1.4 Data Processing

The data processing activities were undertaken at the branch office particularly in the enumeration areas where the WMS data was collected. The first stage of data processing activity was training of field editors/supervisor which was held at the head office by subject matter Directorate staffs. The training was given in Addis Ababa during the time of field staff training. About 89 field editors/supervisors were engaged in the manual editing and coding activities which lasted for about 13 days. Side by side data collection and entry also took about 13 days using CAPI.

The new additional variables appeared during the data collection were inserted to the existing questionnaire were thoroughly done by the expert of the directorate. The difficult part is checking the consistency of the demographic part of both WMS & HCES .Machine data cleaning, estimation with proper sampling weights and tabulation activities were carried out procedurally by the professional staff from the Household Survey and Price Statistics Directorate at the head office. The Integrated Microcomputer Processing System (IMPS) complemented by CSPRO software were used for data entry, consistency checks and tabulation of survey results. `

Table1: Distribution of 2015/16 WMS & HECS sample EAs by branch office, rural & urban.

Branch Office	Sample EAs	No. of teams	No. of enumerators	No. of field editors	No. of statisticians
COUNTRY TOTAL	2106	89	267	89	25
Shire	38	1	3	1	1
Mekele	130	6	18	6	1
Asaita	96	4	12	4	1
Gonder	93	4	12	4	1
Bahir dar	114	5	15	5	1
Dessie	129	5	15	5	1
Debre birhan	59	2	6	2	1
Nekemte	88	4	12	4	1
Ambo	68	3	9	3	1
Negele	54	2	6	2	1
Jimma	70	3	9	3	1
Gobba	34	1	3	1	1
Asbeteferi	29	1	3	1	1
Adama	128	6	18	6	1
Jijiga	77	3	9	3	1
Asosa	75	3	9	3	1
Mizan	57	2	6	2	1
Hosaena	92	4	12	4	1
Hawassa	100	5	15	5	1
Arbaminch	76	3	9	3	1
Sodo	59	3	9	3	1
Gambella	78	3	9	3	1
Harar	60	3	9	3	1
Addis Ababa	240	10	30	10	1
Diredawa	62	3	9	3	1

Acronyms

CSA	Central Statistical Agency
CV	Coefficient of Variation
CI	Confidence Interval
DE	Design Effect
DAG	Development Assistance Group
ERP	Economic Reform Program
EA	Enumeration Aras
FA	Farmers Association
GTP	Growth and Transformation Plan
HCES	Household Consumption and Expenditure Survey
HICES	Household Income, Consumption and Expenditure Survey
IDA	International Development Assistance
MOU	Memorandum of Understanding
MDGs	Millennium Development Goals
MoFED	Ministry of Finance and Economic Development
M&E	Monitoring and Evaluation
NPC	National Planning Commission
%	Percent
PASDEP	Plan for Accelerated and Sustained Development to End Poverty
PSU	Primary Sampling Unit
PPS	Probability Proportional to Size
SSU	Secondary Sampling Unit
SA	Supervision Area
SDPRP	Sustainable Development and Poverty Reduction Program
UDA	Urban Dwelling Association
WM	Welfare Monitoring
WMS	Welfare Monitoring Survey
WMU	Welfare Monitoring Unit
WFP	World Food Program

CHAPTER II SURVEY METHODOLOGY

2.1 Coverage

The year 2015/16 Welfare Monitoring Survey covered all rural and urban parts of the country. The 2015/16 survey, unlike the previous WM surveys fully covered both the sedentary as well as the pastoralist areas of Somali and Afar regions. In the rural part of the country it was planned to cover 864 enumeration areas (EAs) and 10,368 households (12 households per EA). Whereas for the urban areas, it was planned to cover 1,242 enumeration areas (EAs) and 19,872 households (16 households per EA).

The response rate of the 2015/16 WMS was very high than ever. All the rural sampled EAs and households were fully covered by the survey. Similarly, in urban areas all EAs were fully covered by the survey. However, with respect to households, out of the 19,872 sample households, only 3 households were not covered by the survey, which gives a total response rate of 99.99%. At the end, it was possible to obtain complete and cleaned raw data set from 30,237 households, which is quite high compared to the 2010/11 WM survey.

2.2 Concepts and Definitions

HOUSEHOLD SURVEY: Household survey is a method of data collection using interviewer/enumerators with designated households as to obtain and record responses (with application of practical measurement if necessary) to a specific list of questions and/or area of interest. A survey differs from a census in that only a sample of households is covered

URBAN CENTER: in principle is defined as a locality with 2000 or more inhabitants. In this survey, however, for practical purposes an urban centre includes the following regardless of the number of inhabitants.

- i) All administrative capitals (Regional capitals, Zone and Wereda capitals),
- ii) Residential areas with Urban Dweller's kebeles (UDKs) not included in (i),
- iii) All localities which are not included either in (i) or (ii) above having a population of 1000 or more persons, and whose inhabitants are primarily engaged in non-agricultural activities.

URBAN KEBELE, (UK): is the lowest administrative unit in an urban centre with its own jurisdiction. It is a locality (commonly known as Kebele) formed by the inhabitants, and usually constitutes a part of the urban centre.

RURAL KEBELE (RK): is the lowest administrative unit in a settled rural area with its own jurisdiction. It is an association of rural dwellers formed by the inhabitants of a given area whose members are engaged either in agricultural and/or non-agricultural activities.

ENUMERATION AREA (EA): is a unit of land delineated for the purpose of enumeration housing units and population without omission and duplication. An EA usually consists of 150 to 200 households in rural areas and 150 to 200 housing units in urban areas. An enumeration area should be related to a UK or a RK in one of the following ways.

- An EA may be equal to a RK if the number of the households in the RK is less than or equal to 150 – 200 in rural areas; and is equal to a UK in urban areas if the number of housing units in the UK is 150 – 200.
- An EA may be a part of a RK or a UK and its delineation cannot extend outside the boundary of the corresponding RK or a UK.

COLLECTIVE QUARTER: A collective quarter is a premise (a housing unit, a building or a compound) in which a number of unrelated persons reside together, and share common facilities.

Examples of collective quarters are monasteries, prisons, boarding schools, home for aged, children's homes, work camps, military barracks, etc. It is important to note that in the premises of some collective quarters, there may be private households.

HOUSEHOLD: Constitutes of a person or group of persons, irrespective of whether related or not who normally live together in the same housing unit or group of housing units and who have common cooking arrangements.

HEAD OF HOUSEHOLD: A head of a household is a person who economically supports or manages the household or for reasons of age or respect, is considered as head by members of the household or declares himself as head of a household. Head of a household could be male or female.

MEMBER OF HOUSEHOLD: Person constituting a household is called member of the household. The following are considered as members of a household:

- i) All persons who lived and ate with the household for at least six months including those who were not within the household at the time of the survey and were expected to be absent from the household for less than six months.
- ii) All guests and visitors who ate and stayed with the household for six months and more.
- iii) House maids, guards, baby-sitters, etc. who lived and ate with the household even for less than six months.

HOUSEHOLD SIZE: Is the total number of members of a household.

GROSS ENROLLMENT RATIO: is the total enrolment in a given level of school, regardless of age, per 100 children of that school age. For example, the gross enrolment ratio for primary level is defined as a quotient of the total number of pupils in grades 1–6 and the total population aged 7-12 years expressed as percentages.

SCHOOL DROPOUT: A person is considered to be a school dropout if he/she did not appear for the end of year examination or took the examination but did not register the following academic year.

AGE GRADE MISMATCH: is a measure of the age-grade slippage which gives the proportion /number of enrolled persons that are out of school age specified for each level of school (7-12 years for primary and 13-18 years for secondary).

FACILITIES AND AMENITIES: These are basic infrastructures such as food, markets, post office, telephone, school, health, drinking water and transport services etc.

PRODUCTIVE ACTIVITY: This is an act of selling (making available to the market) the output of an activity (the whole or in part) in kind or in cash: This includes, but is not limited to, working at an enterprise (public or private) for salary/wages. Here too, all activities that are carried out in rural areas by private peasant agricultural holders are considered to be productive.

EMPLOYER: is a person who hires at least one employee for her/his enterprise/establishment or activity. Anyone who uses hired labour for her/his activity and takes part in the productive activity is considered an employer.

EMPLOYEE: An employee is any worker hired by someone on contract, permanent or temporary basis. The payment could be in cash or kind on weekly, bimonthly or monthly basis.

SELF EMPLOYED: This is an individual who works in his own enterprise including agriculture without hiring any labour. For the purpose of this survey, those who use in this survey those who use family labour without payment also are considered self-employed.

UNPAID FAMILY WORKER: A member of a household who is working for the enterprise/establishment or activity of the household without payment.

ANTHROPOMETRY: The technique that deals with the measurement of the size, weight and proportions of human body.

ACUTE MALNUTRITION OR WASTING: is a condition of low weight-for-height. Wasting is nutritionally deficient state of recent onset related to sudden food deprivation or malabsorption or poor utilization of nutrients, which results in rapid weight loss.

CHRONIC MALNUTRITION OR STUNTING: is a condition of low height-for-age. Stunting is a nutritional deficient state of long-term food deficiency often combined with persistent ill health.

UNDER WEIGHT: A condition of low weight-for-age. It is a composite index of malnutrition (either acute or chronic malnutrition) based on the principal that a child has an expected weight for that child's age.

Z-SCORE: A statistical measure of the distance, in standard deviation (SD) units, of a value from the mean.

Z-SCORE: A statistical measure of the distance, in standard deviation (SD) units, of a value from the mean.

2.3 Sampling Frame

The list of all households obtained from the 2007 Population and Housing Census was used as a frame to select the sample EAs in the rural and urban areas of the country. The frame from which sample households were selected was based on a fresh list of households taken at the beginning of the survey period in each of the selected EAs.

2.4 Sample Design

For the purpose of representative sample selection, the country was divided into four broad categories including rural category, major urban centers category, and medium and small size town's category.

Category I - Rural: - The rural areas of eight regions as well as the rural part of both Harari region and Dire Dawa City Administration are included in this category. The rural part of each region was considered to be a survey domain (i.e. reporting level) for which the major findings

of the survey are reported. Accordingly, a total of 10 survey domains was formed under this category. There was no domain in this category for Addis Ababa City Administration because the region doesn't have the rural part. A stratified two stage cluster sample design was adopted to select EAs and HHs, where enumeration areas are the primary sampling units (PSUs) and the secondary sampling units (SSUs) are households.

Category II - Major urban centers: - In this category all regional capitals (10 cities), eleven other major urban centers that have relatively larger population size as well as 10 sub cities of Addis Ababa (totally 31 urban centers) were included. The survey was designed to provide an estimate for each and every urban centers included under this category. In this category too, a stratified two stage cluster sample design was adopted to select sample EAs and HHs, where enumeration areas are the primary sampling units (PSUs) and the secondary sampling units (SSUs) are households.

Category III & IV - Other urban centers: - Urban centers in the country, other than those under category II, were grouped under category III & IV. A domain of other urban centers was formed for eight regions. There is no domain in category III & IV for Harari, Addis Ababa and Dire Dawa Administration as they do not have urban centers other than those grouped under category II. Unlike the above two categories, a stratified three stage cluster sample design was adopted to select Sample Towns, EAs & HHs. In this case the primary sampling units were towns, whereas, enumeration areas and households were the secondary & the third stage sampling units respectively.

2.5 Sample Size and Selection Scheme

Category I: - A total of 864 EAs and 10368 households were selected from this category. Sample EAs of each reporting level were selected using Probability Proportional to Size (PPS) techniques; size being number of households obtained from the 2007 Population and Housing Census. Twelve households per EA were systematically selected from a fresh list of households prepared at the beginning of the survey.

Category II: - In this category 744 EAs and 11,904 households were selected. Sample EAs from each reporting level in this category were also selected using PPS techniques; size being number

of households (Census 2007). Sixteen households in each of the selected EAs were systematically selected from a fresh list of households prepared at the beginning of the survey.

Category III & IV: - One hundred seven urban centers, 498 EAs and 7,968 households were selected in these two categories. Urban centers from each domain as well as EAs in each urban center were selected systematically using the PPS techniques; size being number of households (Census 2007). Sixteen households in each of the selected EAs were systematically selected from a fresh list of households prepared at the beginning of the survey.

Table2: Domain Allocation of 2015/16 WMS Sample EAs & HHS.

Region	Sample EAs & HHS									
	Major urban		Other urban		Urban total		Rural		Urban+Rural	
	EA	HH	EA	HH	EA	HH	EA	HH	EA	HH
Country Total	744	11,904	498	7,968	1242	19,872	864	10,368	2,106	30,240
Tigray Region	24	384	48	768	72	1,152	96	1,152	168	2,304
Affar Region	24	384	24	384	48	768	48	576	96	1,344
Amhara Region	96	1,536	114	1,824	210	3,360	168	2,016	378	5,376
Oromia Region	120	1,920	138	2,208	258	4,128	192	2,304	450	6,432
Somali Region	24	384	48	768	72	1,152	48	576	120	1,728
Benishangul Gumuz	24	384	24	384	48	768	48	576	96	1,344
SNNP Region	120	1,920	78	1,248	198	3,168	168	2,016	366	5,184
Gambella Region	24	384	24	384	48	768	48	576	96	1,344
Harari Region	24	384			24	384	24	288	48	672
Addis Ababa	240	3,840			240	3,840			240	3,840
Dire Dawa	24	384			24	384	24	288	48	672

In total, including region rural, region urban and country domains, a total of 71 reporting levels were formed under this design. The distribution of sample EAs & HHs, the estimation procedure of total, ratio and sampling errors, the standard errors and CVs of selected variables and the English version questionnaire of WMS 2015/16 are presented as Annex I, II, III and IV respectively.

STATISTICAL TABLES

ACCESSES TO SELECTED BASIC FACILITIES

Table 7.1(a): Distribution of Households by Distance in Kilometres' to the Nearest Facility/Service and Region - Total - 2016

Types of Facilities	Entry Design	Distance in Kilometers							Total
		Under 1 KM	1 - 4	5 - 9	10 - 14	15 - 19	20 and above	Not Stated	
Country Level									
Telephone Service	No	1,903,061	1,554,310	758,788	513,039	364,865	702,272	-	5,796,335
	%	32.83	26.82	13.09	8.85	6.29	12.12	-	100.00
Post Office	No	69,209	184,743	71,642	38,731	41,456	80,646	-	486,427
	%	14.23	37.98	14.73	7.96	8.52	16.58	-	100.00
Public Transport (Residence Area)	No	4,376,487	5,504,602	2,686,060	1,444,868	857,495	1,065,846	-	15,935,358
	%	27.46	34.54	16.86	9.07	5.38	6.69	-	100.00
Public Transport (Cross Country)	No	997,569	2,544,256	1,672,539	1,090,689	907,479	3,104,859	-	10,317,391
	%	9.67	24.66	16.21	10.57	8.80	30.09	-	100.00
Milling Service	No	4,849,136	7,459,119	3,741,614	1,359,932	413,056	251,164	-	18,074,021
	%	26.83	41.27	20.70	7.52	2.29	1.39	-	100.00
Drinking Water/ Dry Season	No	9,908,155	8,182,536	751,823	182,178	61,565	89,722	-	19,175,979
	%	51.67	42.67	3.92	.95	.32	.47	-	100.00
Drinking Water/ Rainy Season	No	10,065,382	8,225,127	670,899	148,178	47,206	46,577	-	19,203,369
	%	52.41	42.83	3.49	.77	.25	.24	-	100.00
Watering Livestock/ Dry Season	No	4,279,715	7,895,121	1,040,046	233,795	61,219	80,739	-	13,590,635
	%	31.49	58.09	7.65	1.72	.45	.59	-	100.00
Food Market	No	3,082,134	7,177,924	4,359,516	2,393,950	1,136,382	644,190	-	18,794,096
	%	16.40	38.19	23.20	12.74	6.05	3.43	-	100.00
Livestock Market	No	741,929	2,860,833	3,235,967	2,613,066	1,510,457	1,213,712	-	12,175,964
	%	6.09	23.50	26.58	21.46	12.41	9.97	-	100.00
All Weather Road	No	6,803,134	5,542,134	2,265,378	1,050,507	548,354	727,322	-	16,936,829
	%	40.17	32.72	13.38	6.20	3.24	4.29	-	100.00
Dry Weather Road	No	7,209,833	5,923,119	2,245,147	783,888	393,596	312,809	-	16,868,392
	%	42.74	35.11	13.31	4.65	2.33	1.85	-	100.00

Table 7.1(a) Cont'd: Distribution of Households by Distance in kilometres to the Nearest Facility/Service and Region - Total - 2016

Types of Facilities	Entry Design	Distance in Kilometers							Not Stated	Total
		Under 1 KM	1 - 4	5 - 9	10 - 14	15 - 19	20 and above			
Agricultural Extensions Service	No %	1,166,637 11.22	5,769,452 55.50	2,373,408 22.83	743,851 7.16	260,355 2.50	80,862 .78	-	10,394,565 100.00	
Veterinary Service	No %	1,080,866 10.16	5,525,612 51.95	2,675,490 25.15	906,234 8.52	268,230 2.52	179,609 1.69	-	10,636,041 100.00	
Fertilizer Supply (Market/Enterprise)	No %	928,901 9.33	4,914,084 49.35	2,583,682 25.94	938,449 9.42	301,176 3.02	292,177 2.93	-	9,958,469 100.00	
Improved Seeds Supply (Market/Enterprise)	No %	776,148 9.97	3,838,622 49.33	2,033,809 26.14	719,160 9.24	214,970 2.76	199,222 2.56	-	7,781,931 100.00	
Pesticides/Insecticides/Herbicides Provider	No %	642,537 7.93	3,211,297 39.66	2,214,171 27.34	1,212,653 14.97	444,554 5.49	372,798 4.60	-	8,098,010 100.00	
Police Station	No %	1,573,911 17.53	3,346,163 37.26	1,867,699 20.80	951,672 10.60	538,471 6.00	702,724 7.82	-	8,980,640 100.00	
Primary Court	No %	417,672 7.01	1,240,674 20.81	1,042,455 17.49	884,217 14.83	773,243 12.97	1,603,554 26.90	-	5,961,815 100.00	
Kebele Office	No %	3,595,611 20.35	10,246,089 57.99	2,874,492 16.27	699,747 3.96	207,175 1.17	46,282 .26	-	17,669,396 100.00	
Micro-Finance	No %	434,637 12.30	1,085,535 30.72	732,863 20.74	449,986 12.73	337,218 9.54	493,407 13.96	-	3,533,646 100.00	
Internet Service	No %	849,363 61.95	298,813 21.79	67,240 4.90	48,845 3.56	46,279 3.38	60,568 4.42	-	1,371,108 100.00	
Source of Fire Wood	No %	6,445,982 37.99	8,222,773 48.47	1,462,068 8.62	578,424 3.41	172,520 1.02	84,459 .50	-	16,966,226 100.00	

Table 7.1(b): Distribution of Households by Distance in Kilometres to the Nearest Facility/Service and Region - Rural - 2016

Types of Facilities	Entry Design	Distance in Kilometers							Not Stated	Total
		Under 1 KM	1 - 4	5 - 9	10 - 14	15 - 19	20 and above			
Country Level										
Telephone Service	No	911,721	352,292	632,565	508,246	364,086	684,191	-	3,453,101	
	%	26.40	10.20	18.32	14.72	10.54	19.81	-	100.00	
Post Office	No	3,720	12,811	55,701	35,630	40,790	74,935	-	223,587	
	%	1.66	5.73	24.91	15.94	18.24	33.51	-	100.00	
Public Transport (Residence Area)	No	1,793,930	3,891,290	2,644,721	1,442,980	857,495	1,038,369	-	11,668,785	
	%	15.37	33.35	22.66	12.37	7.35	8.90	-	100.00	
Public Transport (Cross Country)	No	339,708	1,001,343	1,263,272	1,030,022	836,894	2,553,359	-	7,024,598	
	%	4.84	14.25	17.98	14.66	11.91	36.35	-	100.00	
Milling Service	No	2,208,479	6,162,461	3,706,567	1,359,006	413,056	250,326	-	14,099,895	
	%	15.66	43.71	26.29	9.64	2.93	1.78	-	100.00	
Drinking Water/ Dry Season	No	5,692,591	7,775,334	743,408	180,651	61,565	77,125	-	14,530,674	
	%	39.18	53.51	5.12	1.24	.42	.53	-	100.00	
Drinking Water/ Rainy Season	No	5,827,930	7,835,470	656,993	143,047	47,206	46,577	-	14,557,223	
	%	40.03	53.83	4.51	.98	.32	.32	-	100.00	
Watering Livestock/ Dry Season	No	3,797,737	7,551,623	1,011,952	229,502	60,676	75,027	-	12,726,517	
	%	29.84	59.34	7.95	1.80	.48	.59	-	100.00	
Food Market	No	1,418,549	4,522,268	4,220,268	2,382,147	1,134,369	644,190	-	14,321,791	
	%	9.90	31.58	29.47	16.63	7.92	4.50	-	100.00	
Livestock Market	No	423,762	1,948,043	3,097,077	2,595,713	1,492,370	1,213,461	-	10,770,426	
	%	3.93	18.09	28.76	24.10	13.86	11.27	-	100.00	
All Weather Road	No	3,201,472	4,765,678	2,260,968	1,050,507	548,354	726,528	-	12,553,507	
	%	25.50	37.96	18.01	8.37	4.37	5.79	-	100.00	
Dry Weather Road	No	3,661,703	5,210,297	2,238,587	783,174	393,596	310,696	-	12,598,053	
	%	29.07	41.36	17.77	6.22	3.12	2.47	-	100.00	

Table 7.1(b) Cont'd: Distribution of Households by Distance in Kilometres to the Nearest Facility/Service and Region - Rural - 2016

Types of Facilities	Entry Design	Distance in Kilometers							Total
		Under 1 KM	1 - 4	5 - 9	10 - 14	15 - 19	20 and above	Not Stated	
Agricultural extension Service	No	1,076,176	5,492,800	2,343,760	734,872	259,457	78,426	-	9,985,491
	%	10.78	55.01	23.47	7.36	2.60	.79	-	100.00
Veterinary Service	No	960,070	5,131,415	2,639,601	900,095	267,737	179,048	-	10,077,966
	%	9.53	50.92	26.19	8.93	2.66	1.78	-	100.00
Fertilizer Supply (Market/Enterprise)	No	839,676	4,627,559	2,551,928	928,576	299,683	285,902	-	9,533,324
	%	8.81	48.54	26.77	9.74	3.14	3.00	-	100.00
Improved Seeds Supply (Market/Enterprise)	No	706,315	3,607,071	2,007,448	710,845	213,247	193,715	-	7,438,641
	%	9.50	48.49	26.99	9.56	2.87	2.60	-	100.00
Pesticides/Insecticides/Herbicides Provider	No	574,087	2,940,352	2,192,724	1,206,659	442,876	370,515	-	7,727,213
	%	7.43	38.05	28.38	15.62	5.73	4.79	-	100.00
Police Station	No	768,106	2,287,791	1,818,678	950,552	511,963	669,384	-	7,006,474
	%	10.96	32.65	25.96	13.57	7.31	9.55	-	100.00
Primary Court	No	79,789	431,776	937,534	876,535	728,867	1,528,286	-	4,582,787
	%	1.74	9.42	20.46	19.13	15.90	33.35	-	100.00
Kebele Office	No	1,957,430	7,981,598	2,842,005	698,900	206,682	46,111	-	13,732,726
	%	14.25	58.12	20.70	5.09	1.51	.34	-	100.00
Micro-Finance	No	163,125	693,099	704,704	440,560	335,791	492,822	-	2,830,101
	%	5.76	24.49	24.90	15.57	11.86	17.41	-	100.00
Internet Service	No	130,882	49,988	60,898	47,827	42,303	51,092	-	382,990
	%	34.17	13.05	15.90	12.49	11.05	13.34	-	100.00
Source of Fire Wood	No	4,709,132	6,900,572	1,335,789	534,663	159,452	76,193	-	13,715,801
	%	34.33	50.31	9.74	3.90	1.16	.56	-	100.00

Table 7.1(c): Distribution of Households by Distance in Kilometres to the Nearest Facility/Service and Region - Urban 2016

Types of Facilities	Entry Design	Distance in Kilometers							Total
		Under 1 KM	1 - 4	5 - 9	10 - 14	15 - 19	20 and above	Not Stated	
Country Level									
Telephone Service	No	991,340	1,202,018	126,223	4,793	778	18,081	-	2,343,233
	%	42.31	51.30	5.39	.20	.03	.77	-	100.00
Post Office	No	65,489	171,933	15,941	3,101	666	5,712	-	262,842
	%	24.92	65.41	6.06	1.18	.25	2.17	-	100.00
Public Transport (Residence Area)	No	2,582,557	1,613,312	41,339	1,888	-	27,477	-	4,266,573
	%	60.53	37.81	.97	.04	-	.64	-	100.00
Public Transport (Cross Country)	No	657,862	1,542,913	409,267	60,667	70,586	551,501	-	3,292,796
	%	19.98	46.86	12.43	1.84	2.14	16.75	-	100.00
Milling Service	No	2,640,657	1,296,658	35,047	926	-	838	-	3,974,126
	%	66.45	32.63	.88	.02	-	.02	-	100.00
Drinking Water/ Dry Season	No	4,215,564	407,202	8,414	1,527	-	12,597	-	4,645,304
	%	90.75	8.77	.18	.03	-	.27	-	100.00
Drinking Water/ Rainy Season	No	4,237,452	389,657	13,907	5,132	-	-	-	4,646,148
	%	91.20	8.39	.30	.11	-	-	-	100.00
Watering Livestock/ Dry Season	No	481,978	343,498	28,095	4,294	543	5,712	-	864,120
	%	55.78	39.75	3.25	.50	.06	.66	-	100.00
Food Market	No	1,663,585	2,655,656	139,248	11,803	2,014	-	-	4,472,306
	%	37.20	59.38	3.11	.26	.05	-	-	100.00
Livestock Market	No	318,167	912,789	138,890	17,353	18,086	251	-	1,405,536
	%	22.64	64.94	9.88	1.23	1.29	.02	-	100.00
All Weather Road	No	3,601,662	776,457	4,409	-	-	794	-	4,383,322
	%	82.17	17.71	.10	-	-	.02	-	100.00
Dry Weather Road	No	3,548,129	712,822	6,561	714	-	2,112	-	4,270,338
	%	83.09	16.69	.15	.02	-	.05	-	100.00

Table 7.1(c) Cont'd: Distribution of Households by Distance in Kilometres to the Nearest Facility/Service and Region - Urban 2016

Types of Facilities	Entry Design	Distance in Kilometers							Not Stated	Total
		Under 1 KM	1 - 4	5 - 9	10 - 14	15 - 19	20 and above			
Agricultural Extension Service	No	90,461	276,652	29,648	8,978	898	2,436	-	409,073	
	%	22.11	67.63	7.25	2.19	.22	.60	-	100.00	
Veterinary Service	No	120,796	394,197	35,889	6,139	493	561	-	558,075	
	%	21.65	70.64	6.43	1.10	.09	.10	-	100.00	
Fertilizer Supply (Market/Enterprise)	No	89,225	286,525	31,753	9,873	1,494	6,276	-	425,146	
	%	20.99	67.39	7.47	2.32	.35	1.48	-	100.00	
Improved Seeds Supply (Market/Enterprise)	No	69,832	231,551	26,361	8,315	1,723	5,508	-	343,290	
	%	20.34	67.45	7.68	2.42	.50	1.60	-	100.00	
Pesticides/Insecticides/Herbicides Provider	No	68,449	270,944	21,447	5,994	1,678	2,283	-	370,795	
	%	18.46	73.07	5.78	1.62	.45	.62	-	100.00	
Police Station	No	805,805	1,058,371	49,021	1,119	26,508	33,339	-	1,974,163	
	%	40.82	53.61	2.48	.06	1.34	1.69	-	100.00	
Primary Court	No	337,883	808,898	104,922	7,682	44,376	75,268	-	1,379,029	
	%	24.50	58.66	7.61	.56	3.22	5.46	-	100.00	
Kebele Office	No	1,638,181	2,264,490	32,487	847	493	171	-	3,936,669	
	%	41.61	57.52	.83	.02	.01	-	-	100.00	
Micro-Finance	No	271,512	392,436	28,159	9,426	1,427	586	-	703,546	
	%	38.59	55.78	4.00	1.34	.20	.08	-	100.00	
Internet Service	No	718,481	248,825	6,342	1,018	3,976	9,476	-	988,118	
	%	72.71	25.18	.64	.10	.40	.96	-	100.00	
Source of Fire Wood	No	1,736,850	1,322,202	126,279	43,761	13,068	8,267	-	3,250,427	
	%	53.43	40.68	3.88	1.35	.40	.25	-	100.00	

Table 7.2(a) Distribution of Households by Status of Utilization, Satisfaction and Change in Quality of Service by Types of Facility/Service and Region - Total - 2016

Types of Facilities Total	Status of Utilization					Total Households	Satisfaction	Service Quality Change Over the 12 Months prior to the Survey					
	Do not Use at all	Uses Occasionally	Uses Often	Use all the Time	Not Stated			Worst Now	Same as Before	Better Now	Don't known	Not Stated	
Telephone Service	No 13,602,827 % 70.12	2,279,538 11.75	1,446,190 7.45	2,070,606 10.67	-	19,399,161 100.00	5,327,894 91.92	258,619 4.46	2,483,818 42.85	2,915,261 50.29	105,782 1.82	32,853 .57	5,796,333 100.00
Post Office	No 18,912,734 % 97.49	282,121 1.45	109,607 .57	94,698 .49	-	19,399,160 100.00	463,893 95.37	18,048 3.71	173,205 35.61	277,110 56.97	8,592 1.77	9,472 1.95	486,427 100.00
Public Transport (Residence Area)	No 3,463,803 % 17.86	6,050,782 31.19	5,817,752 29.99	4,066,823 20.96	-	19,399,160 100.00	13,912,802 87.31	1,004,209 6.30	6,946,710 43.59	7,790,532 48.89	155,484 .98	38,423 .24	15,935,358 100.00
Public Transport (Cross Country)	No 9,081,769 % 46.82	4,917,671 25.35	2,942,193 15.17	2,457,528 12.67	-	19,399,161 100.00	9,292,938 90.07	512,839 4.97	3,437,719 33.32	6,148,145 59.59	185,380 1.80	33,310 .32	10,317,393 100.00
Milling Service	No 1,325,139 % 6.83	2,962,985 15.27	7,183,671 37.03	7,927,366 40.86	-	19,399,161 100.00	16,342,499 90.42	890,894 4.93	8,321,162 46.04	8,766,755 48.50	56,557 .31	38,654 .21	18,074,022 100.00
Drinking Water/ Dry Season	No 223,183 % 1.15	67,594 .35	2,272,073 11.71	16,836,312 86.79	-	19,399,162 100.00	14,460,276 75.41	2,139,750 11.16	9,421,950 49.13	7,508,759 39.16	70,719 .37	34,800 .18	19,175,978 100.00
Drinking Water/ Rainy Season	No 195,791 % 1.01	75,456 .39	2,287,367 11.79	16,840,546 86.81	-	19,399,160 100.00	14,595,325 76.00	2,065,238 10.75	9,476,027 49.35	7,558,570 39.36	68,734 .36	34,800 .18	19,203,369 100.00
Watering Livestock/ Dry Season	No 5,808,525 % 29.94	290,042 1.50	2,870,982 14.80	10,429,612 53.76	-	19,399,161 100.00	11,264,957 82.89	1,059,036 7.79	7,308,981 53.78	5,125,468 37.71	24,757 .18	72,394 .53	13,590,636 100.00
Food Market	No 605,066 % 3.12	3,707,594 19.11	8,086,742 41.69	6,999,759 36.08	-	19,399,161 100.00	17,199,906 91.52	1,134,185 6.03	8,997,184 47.87	8,544,816 45.47	77,458 .41	40,452 .22	18,794,095 100.00
Livestock Market	No 7,223,198 % 37.23	5,766,795 29.73	3,629,954 18.71	2,779,214 14.33	-	19,399,161 100.00	11,245,930 92.36	558,613 4.59	5,425,663 44.56	5,973,980 49.06	198,439 1.63	19,269 .16	12,175,964 100.00
All Weather Road	No 2,462,333 % 12.69	4,035,158 20.80	6,169,650 31.80	6,732,020 34.70	-	19,399,161 100.00	15,393,677 90.89	990,358 5.85	6,850,313 40.45	8,984,046 53.04	83,016 .49	29,096 .17	16,936,829 100.00
Dry Weather Road	No 2,530,769 % 13.05	3,866,981 19.93	6,376,216 32.87	6,625,195 34.15	-	19,399,161 100.00	15,089,650 89.46	1,189,903 7.05	6,767,851 40.12	8,798,479 52.16	75,494 .45	36,664 .22	16,868,391 100.00

Table 7.2(a) Cont'd: Distribution of Households by Status of Utilization, Satisfaction and Change in Quality of Service by Types of Facility/Service and Region - Total - 2016

Types of Facilities	Status of Utilization						Service Quality Change Over the 12 Months prior to the Survey						Total
	Do not Use at all	Uses Occasionally	Uses Often	Use all the Time	Not Stated	Total Households	Satisfaction	Worst Now	Same as Before	Better Now	Don't know	Not Stated	
Agricultural extension Service	No 9,004,595 % 46.42	3,153,277 16.25	4,059,650 20.93	3,181,638 16.40	-	19,399,160 100.00	9,432,940 90.75	648,439 6.24	4,147,443 39.90	5,533,787 53.24	47,772 .46	17,124 .16	10,394,565 100.00
Veterinary Service	No 8,763,121 % 45.17	4,087,257 21.07	3,897,158 20.09	2,651,625 13.67	-	19,399,161 100.00	9,919,964 93.27	580,471 5.46	4,044,230 38.02	5,869,507 55.19	128,941 1.21	12,891 .12	10,636,040 100.00
Fertilizer Supply (Market/Enterprise)	No 9,440,691 % 48.67	2,471,846 12.74	3,939,428 20.31	3,547,195 18.29	-	19,399,160 100.00	8,635,365 86.71	944,393 9.48	3,810,348 38.26	5,108,006 51.29	75,591 .76	20,132 .20	9,958,470 100.00
Improved Seeds Supply (Market/Enterprise)	No 11,617,231 % 59.89	2,382,259 12.28	3,081,796 15.89	2,317,875 11.95	-	19,399,161 100.00	6,873,607 88.33	618,112 7.94	2,870,777 36.89	4,152,610 53.36	127,131 1.63	13,300 .17	7,781,930 100.00
Pesticides/Insecticides/Herbicides Provider	No 11,301,151 % 58.26	2,283,757 11.77	3,399,561 17.52	2,414,692 12.45	-	19,399,161 100.00	7,493,204 92.53	483,000 5.96	3,111,512 38.42	4,332,063 53.50	151,407 1.87	20,027 .25	8,098,009 100.00
Police Station	No 10,418,522 % 53.71	4,955,861 25.55	2,329,057 12.01	1,695,721 8.74	-	19,399,161 100.00	7,949,549 88.52	453,124 5.05	3,752,979 41.79	4,282,587 47.69	465,410 5.18	26,538 .30	8,980,638 100.00
Primary Court	No 13,437,344 % 69.27	3,320,890 17.12	1,463,399 7.54	1,177,528 6.07	-	19,399,161 100.00	5,426,156 91.02	313,653 5.26	1,837,061 30.81	3,288,298 55.16	504,850 8.47	17,954 .30	5,961,816 100.00
Kebele Office	No 1,729,765 % 8.92	6,408,509 33.03	6,223,576 32.08	5,037,311 25.97	-	19,399,161 100.00	15,889,292 89.93	977,053 5.53	7,565,145 42.81	8,937,832 50.58	135,508 .77	53,858 .30	17,669,396 100.00
Micro-Finance	No 15,865,515 % 81.78	1,062,073 5.47	1,346,729 6.94	1,124,844 5.80	-	19,399,161 100.00	3,374,639 95.50	113,230 3.20	1,163,847 32.94	2,136,209 60.45	101,738 2.88	18,622 .53	3,533,646 100.00
Internet Service	No 18,028,054 % 92.93	481,639 2.48	476,131 2.45	413,337 2.13	-	19,399,161 100.00	1,244,260 90.75	81,478 5.94	494,835 36.09	762,783 55.63	15,563 1.14	16,449 1.20	1,371,108 100.00
Source of Fire Wood	No 2,432,934 % 12.54	1,050,297 5.41	5,185,568 26.73	10,730,362 55.31	-	19,399,161 100.00	14,489,159 85.40	2,072,263 12.21	9,320,062 54.93	5,475,213 32.27	57,122 .34	41,568 .25	16,966,228 100.00

Table 7.2(b) Distribution of Households by Status of Utilization, Satisfaction and Change in Quality of Service by Types of Facility/Service and Region - Rural - 2016

Types of Facilities	Status of Utilization					Total Households	Satisfaction	Service Quality Change Over the 12 Months prior to the Survey					Total
	Do not Use at all	Uses Occasionally	Uses Often	Use all the Time	Not Stated			Worst Now	Same as Before	Better Now	Don't know	Not Stated	
Country Level													
Telephone Service	No 11,284,106 % 76.57	1,331,304 9.03	1,017,195 6.90	1,104,602 7.50	-	14,737,207 100.00	590,048 17.09	190,364 5.51	1,674,779 48.50	1,481,478 42.90	85,032 2.46	21,448 .62	3,453,101 100.00
Post Office	No 14,513,620 % 98.48	134,979 .92	42,366 .29	46,241 .31	-	14,737,206 100.00	41,522 18.57	10,244 4.58	97,006 43.39	105,792 47.32	2,714 1.21	7,829 3.50	223,585 100.00
Public Transport (Residence Area)	No 3,068,422 % 20.82	4,697,654 31.88	4,235,238 28.74	2,735,893 18.56	-	14,737,206 100.00	2,603,686 22.31	699,902 6.00	5,177,431 44.37	5,649,034 48.41	116,623 1.00	25,794 .22	11,668,784 100.00
Public Transport (Cross Country)	No 7,712,608 % 52.33	3,054,467 20.73	2,196,733 14.91	1,773,398 12.03	-	14,737,206 100.00	1,876,199 26.71	376,325 5.36	2,257,598 32.14	4,235,028 60.29	134,784 1.92	20,863 .30	7,024,598 100.00
Milling Service	No 637,311 % 4.32	2,140,069 14.52	5,653,662 38.36	6,306,164 42.79	-	14,737,206 100.00	3,681,413 26.11	763,003 5.41	6,680,543 47.38	6,600,509 46.81	29,990 .21	25,850 .18	14,099,895 100.00
Drinking Water/ Dry Season	No 206,532 % 1.40	40,633 .28	1,748,502 11.86	12,741,539 86.46	-	14,737,206 100.00	3,601,495 24.79	1,530,200 10.53	7,603,034 52.32	5,341,551 36.76	35,593 .24	20,296 .14	14,530,674 100.00
Drinking Water/ Rainy Season	No 179,984 % 1.22	49,026 .33	1,767,479 11.99	12,740,717 86.45	-	14,737,206 100.00	3,672,684 25.23	1,472,134 10.11	7,657,007 52.60	5,374,680 36.92	33,105 .23	20,296 .14	14,557,222 100.00
Watering Livestock/ Dry Season	No 2,010,691 % 13.64	188,061 1.28	2,688,460 18.24	9,849,994 66.84	-	14,737,206 100.00	3,260,890 25.62	978,086 7.69	6,962,914 54.71	4,743,660 37.27	22,371 .18	19,484 .15	12,726,515 100.00
Food Market	No 415,416 % 2.82	2,693,901 18.28	6,189,836 42.00	5,438,054 36.90	-	14,737,206 100.00	3,215,970 22.46	636,743 4.45	7,091,262 49.51	6,523,823 45.55	44,829 .31	25,133 .18	14,321,790 100.00
Livestock Market	No 3,966,780 % 26.92	4,861,054 32.98	3,374,173 22.90	2,535,200 17.20	-	14,737,206 100.00	2,591,574 24.06	397,369 3.69	4,827,633 44.82	5,353,535 49.71	178,011 1.65	13,878 .13	10,770,426 100.00
All Weather Road	No 2,183,701 % 14.82	3,427,045 23.25	4,895,968 33.22	4,230,493 28.71	-	14,737,206 100.00	2,988,152 23.80	785,253 6.26	5,194,599 41.38	6,500,665 51.78	58,598 .47	14,391 .11	12,553,506 100.00
Dry Weather Road	No 2,139,153 % 14.52	3,262,110 22.14	5,126,930 34.79	4,209,014 28.56	-	14,737,206 100.00	2,888,606 22.93	951,800 7.56	5,155,274 40.92	6,417,523 50.94	51,961 .41	21,496 .17	12,598,054 100.00

Table 7.2(b) Cont'd: Distribution of Households by Status of Utilization, Satisfaction and Change in Quality of Service by Types of Facility/Service and Region - Rural - 2016

Types of Facilities	Status of Utilization						Service Quality Change over the 12 Months prior to the Survey					Total	
	Do not Use at all	Uses Occasionally	Uses Often	Use all the Time	Not Stated	Total Households	Satisfaction	Worst Now	Same as Before	Better Now	Don't known		Not Stated
Agricultural extension Service	No 4,751,715 % 32.24	3,022,789 20.51	3,911,070 26.54	3,051,632 20.71	-	14,737,206 100.00	2,512,669 25.16	630,541 6.31	3,977,705 39.83	5,316,222 53.24	44,967 .45	16,057 .16	9,985,492 100.00
Veterinary Service	No 4,659,240 % 31.62	3,856,925 26.17	3,715,880 25.21	2,505,160 17.00	-	14,737,206 100.00	2,723,899 27.03	561,573 5.57	3,840,660 38.11	5,537,610 54.95	126,375 1.25	11,749 .12	10,077,967 100.00
Fertilizer Supply (Market/Enterprise)	No 5,203,882 % 35.31	2,340,067 15.88	3,783,135 25.67	3,410,122 23.14	-	14,737,206 100.00	2,638,870 27.68	924,459 9.70	3,616,842 37.94	4,902,141 51.42	70,740 .74	19,142 .20	9,533,324 100.00
Improved Seeds Supply (Market/Enterprise)	No 7,298,567 % 49.52	2,257,765 15.32	2,967,236 20.13	2,213,639 15.02	-	14,737,207 100.00	1,920,613 25.82	601,200 8.08	2,727,463 36.67	3,972,744 53.41	124,426 1.67	12,807 .17	7,438,640 100.00
Pesticides/Insecticides/Herbicides Provider	No 7,009,992 % 47.57	2,136,659 14.50	3,278,358 22.25	2,312,198 15.69	-	14,737,207 100.00	2,253,792 29.17	467,267 6.05	2,959,159 38.30	4,132,852 53.48	148,909 1.93	19,028 .25	7,727,215 100.00
Police Station	No 7,730,732 % 52.46	3,654,277 24.80	1,948,935 13.22	1,403,262 9.52	-	14,737,206 100.00	1,758,305 25.10	336,262 4.80	2,973,312 42.44	3,299,803 47.10	378,207 5.40	18,890 .27	7,006,474 100.00
Primary Court	No 10,154,419 % 68.90	2,409,380 16.35	1,224,149 8.31	949,258 6.44	-	14,737,206 100.00	1,172,831 25.59	210,441 4.59	1,395,311 30.45	2,543,699 55.51	421,237 9.19	12,099 .26	4,582,787 100.00
Kebele Office	No 1,004,479 % 6.82	4,357,936 29.57	5,142,059 34.89	4,232,732 28.72	-	14,737,206 100.00	3,471,514 25.28	674,773 4.91	5,959,401 43.40	6,969,042 50.75	90,161 .66	39,350 .29	13,732,727 100.00
Micro-Finance	No 11,907,106 % 80.80	790,829 5.37	1,140,217 7.74	899,054 6.10	-	14,737,206 100.00	786,903 27.80	82,018 2.90	934,063 33.00	1,714,347 60.58	84,601 2.99	15,072 .53	2,830,101 100.00
Internet Service	No 14,354,216 % 97.40	171,046 1.16	106,835 .72	105,109 .71	-	14,737,206 100.00	95,551 24.95	41,986 10.96	148,373 38.74	178,079 46.50	5,398 1.41	9,154 2.39	382,990 100.00
Source of Fire Wood	No 1,021,406 % 6.93	450,450 3.06	3,930,843 26.67	9,334,507 63.34	-	14,737,206 100.00	2,665,231 19.43	1,545,473 11.27	7,844,719 57.19	4,256,745 31.04	36,749 .27	32,115 .23	13,715,801 100.00

Table 7.2(c) Distribution of Households by Status of Utilization, Satisfaction and Change in Quality of Service by Types of Facility/Service and Region - Urban - 2016

Types of Facilities	Status of Utilization						Service Quality Change Over the 12 Months prior to the Survey						Total
	Do not Use at all	Uses Occasionally	Uses Often	Use all the Time	Not Stated	Total Households	Satisfaction	Worst Now	Same as Before	Better Now	Don't known	Not Stated	
Telephone Service	No 2,318,721 % 49.74	948,235 20.34	428,994 9.20	966,004 20.72	-	4,661,954 100.00	2,225,753 94.99	68,256 2.91	809,040 34.53	1,433,783 61.19	20,750 .89	11,405 .49	2,343,234 100.00
Post Office	No 4,399,114 % 94.36	147,142 3.16	67,241 1.44	48,458 1.04	-	4,661,955 100.00	251,440 95.66	7,803 2.97	76,198 28.99	171,318 65.18	5,878 2.24	1,643 .63	262,840 100.00
Public Transport (Residence Area)	No 395,381 % 8.48	1,353,128 29.02	1,582,514 33.95	1,330,931 28.55	-	4,661,954 100.00	3,564,406 83.54	304,306 7.13	1,769,278 41.47	2,141,498 50.19	38,861 .91	12,629 .30	4,266,572 100.00
Public Transport (Cross Country)	No 1,369,160 % 29.37	1,863,204 39.97	745,460 15.99	684,131 14.67	-	4,661,955 100.00	3,033,474 92.12	136,513 4.15	1,180,121 35.84	1,913,118 58.10	50,596 1.54	12,446 .38	3,292,794 100.00
Milling Service	No 687,828 % 14.75	822,916 17.65	1,530,009 32.82	1,621,202 34.78	-	4,661,955 100.00	3,765,841 94.76	127,891 3.22	1,640,619 41.28	2,166,245 54.51	26,567 .67	12,804 .32	3,974,126 100.00
Drinking Water/ Dry Season	No 16,651 % .36	26,961 .58	523,571 11.23	4,094,772 87.83	-	4,661,955 100.00	3,508,220 75.52	609,551 13.12	1,818,916 39.16	2,167,207 46.65	35,125 .76	14,504 .31	4,645,303 100.00
Drinking Water/ Rainy Season	No 15,807 % .34	26,430 .57	519,888 11.15	4,099,829 87.94	-	4,661,954 100.00	3,540,665 76.21	593,104 12.77	1,819,020 39.15	2,183,890 47.00	35,629 .77	14,504 .31	4,646,147 100.00
Watering Livestock/ Dry Season	No 3,797,834 % 81.46	101,981 2.19	182,522 3.92	579,618 12.43	-	4,661,955 100.00	669,769 77.51	80,950 9.37	346,066 40.05	381,808 44.18	2,386 .28	52,910 6.12	864,120 100.00
Food Market	No 189,649 % 4.07	1,013,693 21.74	1,896,906 40.69	1,561,706 33.50	-	4,661,954 100.00	3,820,682 85.43	497,441 11.12	1,905,922 42.62	2,020,993 45.19	32,630 .73	15,320 .34	4,472,306 100.00
Livestock Market	No 3,256,418 % 69.85	905,741 19.43	255,781 5.49	244,014 5.23	-	4,661,954 100.00	1,160,373 82.56	161,244 11.47	598,029 42.55	620,445 44.14	20,428 1.45	5,390 .38	1,405,536 100.00
All Weather Road	No 278,632 % 5.98	608,113 13.04	1,273,681 27.32	2,501,528 53.66	-	4,661,954 100.00	3,986,737 90.95	205,105 4.68	1,655,714 37.77	2,483,381 56.66	24,418 .56	14,705 .34	4,383,323 100.00
Dry Weather Road	No 391,616 % 8.40	604,871 12.97	1,249,287 26.80	2,416,181 51.83	-	4,661,955 100.00	3,858,267 90.35	238,103 5.58	1,612,578 37.76	2,380,956 55.76	23,534 .55	15,168 .36	4,270,339 100.00

Table 7.2(c) Cont'd: Distribution of Households by Status of Utilization, Satisfaction and Change in Quality of Service by Types of Facility/Service and Region - Urban - 2016

Types of Facilities		Status of Utilization					Total Households	Satisfaction	Service Quality Change Over the 12 Months prior to the Survey					Total
		Do not Use at all	Uses Occasionally	Uses Often	Use all the Time	Not Stated			Worst Now	Same as Before	Better Now	Don't known	Not Stated	
Agricultural extension Service	No %	4,252,880 91.23	130,488 2.80	148,580 3.19	130,006 2.79	- -	4,661,954 100.00	377,008 92.16	17,899 4.38	169,738 41.49	217,565 53.18	2,805 .69	1,067 .26	409,074 100.00
Veterinary Service	No %	4,103,880 88.03	230,332 4.94	181,277 3.89	146,465 3.14	- -	4,661,954 100.00	527,175 94.46	18,898 3.39	203,571 36.48	331,897 59.47	2,566 .46	1,142 .20	558,074 100.00
Fertilizer Supply (Market/Enterprise)	No %	4,236,809 90.88	131,780 2.83	156,293 3.35	137,073 2.94	- -	4,661,955 100.00	393,347 92.52	19,934 4.69	193,506 45.52	205,865 48.42	4,851 1.14	989 .23	425,145 100.00
Improved Seeds Supply (Market/Enterprise)	No %	4,318,665 92.64	124,494 2.67	114,560 2.46	104,236 2.24	- -	4,661,955 100.00	322,218 93.86	16,912 4.93	143,314 41.75	179,866 52.39	2,705 .79	493 .14	343,290 100.00
Pesticides/Insecticides/Herbicides Provider	No %	4,291,160 92.05	147,098 3.16	121,203 2.60	102,494 2.20	- -	4,661,955 100.00	354,379 95.57	15,734 4.24	152,353 41.09	199,212 53.73	2,498 .67	999 .27	370,796 100.00
Police Station	No %	2,687,790 57.65	1,301,584 27.92	380,121 8.15	292,459 6.27	- -	4,661,954 100.00	1,746,119 88.45	116,861 5.92	779,667 39.49	982,784 49.78	87,204 4.42	7,648 .39	1,974,164 100.00
Primary Court	No %	3,282,925 70.42	911,510 19.55	239,249 5.13	228,270 4.90	- -	4,661,954 100.00	1,241,229 90.01	103,213 7.48	441,750 32.03	744,599 53.99	83,613 6.06	5,855 .42	1,379,030 100.00
Kebele Office	No %	725,285 15.56	2,050,573 43.99	1,081,517 23.20	804,579 17.26	- -	4,661,954 100.00	3,412,241 86.68	302,280 7.68	1,605,745 40.79	1,968,790 50.01	45,347 1.15	14,508 .37	3,936,670 100.00
Micro-Finance	No %	3,958,408 84.91	271,244 5.82	206,512 4.43	225,790 4.84	- -	4,661,954 100.00	664,589 94.46	31,212 4.44	229,784 32.66	421,862 59.96	17,138 2.44	3,551 .50	703,547 100.00
Internet Service	No %	3,673,837 78.80	310,593 6.66	369,296 7.92	308,228 6.61	- -	4,661,954 100.00	912,633 92.36	39,492 4.00	346,462 35.06	584,704 59.17	10,164 1.03	7,295 .74	988,117 100.00
Source of Fire Wood	No %	1,411,528 30.28	599,847 12.87	1,254,725 26.91	1,395,855 29.94	- -	4,661,955 100.00	2,642,403 81.29	526,790 16.21	1,475,343 45.39	1,218,468 37.49	20,373 .63	9,453 .29	3,250,427 100.00

Table 7.3(a): Distribution of Households by Reason for not using or Occasional Use of the nearest Facilities/Services, Type of Facility/services and Region - Total - 2016

Types of Facilities	Reason for not using or Occasional Use of the Nearest Facility/Service								Total Responses for Don't use or Occasional Use	
	Too Far	Too Expensive	Poor Quality Service	Lack of Staff/ Equipment	Facility Doesn't Offer Full Service	Have No Need of it	Others	Not Stated	Facilities	Use
Telephone Service	No %	477,064 2.87	930,885 5.60	282,296 1.70	176,483 1.06	568,749 3.42	13,911,567 83.74	232,856 1.40	32,328 .19	16,612,227 100.00
Post Office	No %	435,050 2.19	77,845 .39	571,404 2.88	79,395 .40	458,410 2.31	17,920,740 90.40	234,615 1.18	46,542 .23	19,824,002 100.00
Public Transport (Residence Area)	No %	986,581 9.11	873,398 8.06	393,519 3.63	145,349 1.34	1,029,525 9.50	7,269,804 67.09	116,346 1.07	21,070 .19	10,835,592 100.00
Public Transport (Cross Country)	No %	1,533,384 9.93	576,031 3.73	237,585 1.54	106,724 .69	683,287 4.42	12,037,751 77.93	237,606 1.54	33,690 .22	15,446,058 100.00
Milling Service	No %	405,569 8.90	263,814 5.79	85,363 1.87	14,624 .32	156,701 3.44	3,566,468 78.27	55,065 1.21	9,192 .20	4,556,797 100.00
Drinking Water/ Dry Season	No %	18,293 5.78	30,949 9.77	10,847 3.42	149 .05	8,655 2.73	211,388 66.74	36,477 11.52	- -	316,756 100.00
Drinking Water/ Rainy Season	No %	14,190 4.77	3,853 1.29	10,201 3.43	149 .05	9,528 3.20	218,722 73.48	39,454 13.25	1,561 .52	297,657 100.00
Watering Livestock/ Dry Season	No %	52,076 .84	77,327 1.24	28,039 .45	4,622 .07	77,000 1.24	5,718,493 91.80	86,724 1.39	*****S 2.97	6,229,087 100.00
Food Market	No %	575,732 11.32	605,789 11.91	108,376 2.13	88,072 1.73	412,039 8.10	3,197,630 62.86	79,432 1.56	20,154 .40	5,087,224 100.00
Livestock Market	No %	647,617 4.70	1,017,567 7.38	93,039 .68	64,919 .47	315,953 2.29	11,405,631 82.76	198,150 1.44	38,074 .28	13,780,950 100.00
All Weather Road	No %	1,266,034 17.28	225,829 3.08	238,502 3.25	72,928 1.00	729,718 9.96	4,616,650 63.00	160,746 2.19	17,742 .24	7,328,149 100.00

Table 7.3(a) Cont'd: Distribution of Households by Reason for not using or Occasional Use of the nearest Facilities/Services, Type of Facility/services and Region - Total - 2016

Types of Facilities	Reason for not using or Occasional Use of the Nearest Facility/Service									Total Responses for Don't use or Occasional Use Facilities
	Too Far	Too Expensive	Poor Quality Service	Lack of Staff/ Equipment	Facility Doesn't Offer Full Service	Have No Need of it	Others	Not Stated		
Dry Weather Road	No %	1,006,632 14.12	212,945 2.99	219,805 3.08	64,847 .91	709,796 9.95	4,747,307 66.57	154,402 2.17	15,286 .21	7,131,020 100.00
Agricultural extension Service	No %	271,928 2.04	344,375 2.58	603,252 4.53	397,614 2.98	861,852 6.47	10,647,527 79.91	149,392 1.12	49,085 .37	13,325,026 100.00
Veterinary Service	No %	474,894 3.42	368,891 2.66	449,091 3.24	223,297 1.61	828,527 5.97	11,334,778 81.68	148,880 1.07	48,609 .35	13,876,966 100.00
Fertilizer Supply (Market/Enterprise)	No %	233,772 1.85	1,170,641 9.24	183,990 1.45	71,755 .57	367,891 2.90	10,455,443 82.52	150,403 1.19	36,286 .29	12,670,181 100.00
Improved Seeds Supply (Market/Enterprise)	No %	277,643 1.85	1,508,438 10.07	345,720 2.31	99,694 .67	656,716 4.38	11,874,931 79.24	177,298 1.18	45,768 .31	14,986,207 100.00
Pesticides/Insecticides/Herbicides Provider	No %	266,722 1.87	731,793 5.13	182,360 1.28	183,471 1.29	553,564 3.88	12,159,890 85.23	144,452 1.01	44,632 .31	14,266,885 100.00
Police Station	No %	374,055 2.32	62,274 .39	366,948 2.27	105,635 .65	582,891 3.61	14,393,653 89.18	202,816 1.26	50,910 .32	16,139,181 100.00
Primary Court	No %	483,584 2.77	48,957 .28	259,532 1.49	78,112 .45	468,863 2.69	15,800,822 90.63	241,665 1.39	52,594 .30	17,434,130 100.00
Kebele Office	No %	141,824 1.68	28,827 .34	272,780 3.22	52,297 .62	434,738 5.13	7,423,839 87.69	83,007 .98	28,982 .34	8,466,294 100.00
Micro-Finance	No %	400,320 2.24	425,210 2.38	307,582 1.72	114,799 .64	797,797 4.47	15,481,429 86.69	284,420 1.59	46,970 .26	17,858,527 100.00
Internet Service	No %	390,746 2.03	352,736 1.83	283,499 1.47	96,452 .50	536,556 2.79	17,249,465 89.73	264,220 1.37	49,760 .26	19,223,436 100.00
Source of Fire Wood	No %	102,878 2.88	139,293 3.90	22,884 .64	5,271 .15	51,472 1.44	3,158,185 88.46	72,787 2.04	17,255 .48	3,570,024 100.00

Table 7.3(b): Distribution of Households by Reason for not using or Occasional Use of the nearest Facilities/Services, Type of Facility/services and Region - Rural - 2016

Types of Facilities	Reason for not using or Occasional Use of the Nearest Facility/Service								Total Responses for Don't use or Occasional Use	
	Too Far	Too Expensive	Poor Quality Service	Lack of Staff/ Equipment	Facility Doesn't Offer Full Service	Have No Need of it	Others	Not Stated		
Telephone Service	No 441,668 % 3.34	882,466 6.67	247,084 1.87	167,250 1.26	449,628 3.40	10,849,284 82.03	165,508 1.25	23,158 .18	13,226,045 100.00	
Post Office	No 380,855 % 2.52	74,349 .49	530,932 3.51	78,583 .52	349,590 2.31	13,516,430 89.31	171,669 1.13	31,196 .21	15,133,604 100.00	
Public Transport (Residence Area)	No 944,415 % 10.55	803,011 8.97	355,677 3.97	124,670 1.39	893,858 9.98	5,735,356 64.05	80,525 .90	17,656 .20	8,955,169 100.00	
Public Transport (Cross Country)	No 1,386,076 % 11.53	524,510 4.36	220,223 1.83	100,400 .84	581,521 4.84	9,010,194 74.96	176,461 1.47	20,876 .17	12,020,262 100.00	
Milling Service	No 396,706 % 13.14	250,933 8.31	76,003 2.52	11,745 .39	132,426 4.39	2,115,350 70.06	33,575 1.11	2,778 .09	3,019,516 100.00	
Drinking Water/ Dry Season	No 16,829 % 6.33	28,617 10.76	6,778 2.55	- -	5,687 2.14	181,684 68.31	26,365 9.91	- -	265,960 100.00	
Drinking Water/ Rainy Season	No 12,731 % 5.15	1,556 .63	6,778 2.74	- -	5,759 2.33	189,753 76.70	29,272 11.83	1,561 .63	247,409 100.00	
Watering Livestock/ Dry Season	No 44,632 % 1.98	73,395 3.25	26,178 1.16	4,364 .19	29,200 1.29	2,036,299 90.31	31,129 1.38	9,675 .43	2,254,871 100.00	
Food Market	No 546,183 % 14.46	517,453 13.70	101,929 2.70	84,392 2.23	345,174 9.14	2,125,521 56.28	41,778 1.11	14,489 .38	3,776,918 100.00	
Livestock Market	No 583,585 % 6.19	541,928 5.75	79,102 .84	59,515 .63	236,091 2.50	7,792,443 82.65	116,941 1.24	18,646 .20	9,428,252 100.00	
All Weather Road	No 1,246,148 % 19.53	219,054 3.43	224,053 3.51	70,718 1.11	657,465 10.30	3,831,321 60.05	116,161 1.82	15,660 .25	6,380,580 100.00	

Table 7.3(b) Cont'd: Distribution of Households by Reason for not using or Occasional Use of the nearest Facilities/Services, Type of Facility/services and Region - Rural - 2016

Types of Facilities		Reason for not using or Occasional Use of the Nearest Facility/Service								Total Responses for Don't use or Occasional Use Facilities
		Too Far	Too Expensive	Poor Quality Service	Lack of Staff/ Equipment	Facility Doesn't Offer Full Service	Have No Need of it	Others Stated	Not	
Dry Weather Road	No	997,033	209,093	206,579	63,846	642,526	3,842,376	109,573	13,561	6,084,587
	%	16.39	3.44	3.40	1.05	10.56	63.15	1.80	.22	100.00
Agricultural extension Service	No	267,383	330,879	590,197	390,424	792,227	6,343,348	101,042	23,599	8,839,098
	%	3.03	3.74	6.68	4.42	8.96	71.76	1.14	.27	100.00
Veterinary Service	No	465,217	359,205	438,232	215,439	746,377	7,090,458	100,797	24,943	9,440,669
	%	4.93	3.80	4.64	2.28	7.91	75.11	1.07	.26	100.00
Fertilizer Supply (Market/Enterprise)	No	231,464	1,131,280	180,642	68,769	308,202	6,171,437	107,723	11,886	8,211,403
	%	2.82	13.78	2.20	.84	3.75	75.16	1.31	.14	100.00
Improved Seeds Supply (Market/Enterprise)	No	274,950	1,464,847	339,338	96,441	595,387	7,526,028	133,314	20,178	10,450,484
	%	2.63	14.02	3.25	.92	5.70	72.02	1.28	.19	100.00
Pesticides/Insecticides/Herbicides Provider	No	261,917	706,866	173,084	176,743	494,209	7,802,282	100,159	18,968	9,734,229
	%	2.69	7.26	1.78	1.82	5.08	80.15	1.03	.19	100.00
Police Station	No	369,015	58,356	302,408	91,833	463,905	10,578,389	115,787	33,770	12,013,463
	%	3.07	.49	2.52	.76	3.86	88.05	.96	.28	100.00
Primary Court	No	478,869	43,641	217,950	64,547	359,061	11,754,366	151,821	33,957	13,104,212
	%	3.65	.33	1.66	.49	2.74	89.70	1.16	.26	100.00
Kebele Office	No	133,832	24,007	202,814	37,354	346,967	4,822,428	37,456	17,768	5,622,626
	%	2.38	.43	3.61	.66	6.17	85.77	.67	.32	100.00
Micro-Finance	No	390,707	387,552	274,905	102,132	653,112	11,410,174	218,225	29,903	13,466,710
	%	2.90	2.88	2.04	.76	4.85	84.73	1.62	.22	100.00
Internet Service	No	324,179	316,161	240,759	89,769	407,063	13,470,538	203,327	36,512	15,088,307
	%	2.15	2.10	1.60	.59	2.70	89.28	1.35	.24	100.00
Source of Fire Wood	No	78,193	49,245	16,318	1,573	32,966	1,270,154	44,420	6,319	1,499,188
	%	5.22	3.28	1.09	.10	2.20	84.72	2.96	.42	100.00

Table 7.3(c): Distribution of Households by Reason for not using or Occasional Use of the nearest Facilities/Services, Type of Facility/services and Region - Urban - 2016

Types of Facilities		Reason for not using or Occasional Use of the Nearest Facility/Service							Total Responses for Don't use or Occasional Use	
		Too Far	Too Expensive	Poor Quality Service	Lack of Equipment	Facility Doesn't Offer Full Service	Have No Need of it	Others Stated	Not Stated	Use
Telephone Service	No	35,397	48,419	35,212	9,233	119,121	3,062,283	67,348	9,170	3,386,182
	%	1.05	1.43	1.04	.27	3.52	90.43	1.99	.27	100.00
Post Office	No	54,196	3,496	40,473	811	108,820	4,404,311	62,946	15,346	4,690,398
	%	1.16	.07	.86	.02	2.32	93.90	1.34	.33	100.00
Public Transport (Residence Area)	No	42,165	70,387	37,842	20,679	135,667	1,534,448	35,821	3,415	1,880,423
	%	2.24	3.74	2.01	1.10	7.21	81.60	1.90	.18	100.00
Public Transport (Cross Country)	No	147,309	51,521	17,362	6,324	101,765	3,027,557	61,145	12,813	3,425,796
	%	4.30	1.50	.51	.18	2.97	88.38	1.78	.37	100.00
Milling Service	No	8,863	12,881	9,360	2,879	24,276	1,451,118	21,491	6,414	1,537,280
	%	.58	.84	.61	.19	1.58	94.40	1.40	.42	100.00
Drinking Water/ Dry Season	No	1,463	2,331	4,069	149	2,968	29,703	10,112	-	50,796
	%	2.88	4.59	8.01	.29	5.84	58.48	19.91	-	100.00
Drinking Water/ Rainy Season	No	1,459	2,296	3,423	149	3,769	28,969	10,182	-	50,249
	%	2.90	4.57	6.81	.30	7.50	57.65	20.26	-	100.00
Watering Livestock/ Dry Season	No	7,444	3,932	1,861	258	47,800	3,682,195	55,594	175,131	3,974,216
	%	.19	.10	.05	.01	1.20	92.65	1.40	4.41	100.00
Food Market	No	29,550	88,337	6,447	3,680	66,865	1,072,109	37,654	5,665	1,310,305
	%	2.26	6.74	.49	.28	5.10	81.82	2.87	.43	100.00
Livestock Market	No	64,032	475,639	13,937	5,404	79,861	3,613,188	81,209	19,427	4,352,698
	%	1.47	10.93	.32	.12	1.83	83.01	1.87	.45	100.00
All Weather Road	No	19,886	6,775	14,449	2,210	72,253	785,330	44,585	2,082	947,569
	%	2.10	.71	1.52	.23	7.63	82.88	4.71	.22	100.00

Table 7.3(c) Cont'd: Distribution of Households by Reason for not using or Occasional Use of the nearest Facilities/Services, Type of Facility/services and Region - Urban - 2016

Types of Facilities		Reason for not using or Occasional Use of the Nearest Facility/Service							Total Responses for Don't use or Occasional Use	
		Too Far	Too Expensive	Poor Quality Service	Lack of Staff/ Equipment	Facility Doesn't Offer Full Service	Have No Need of it	Others Stated	Not Stated	Facilities
Dry Weather Road	No	9,599	3,852	13,227	1,001	67,269	904,931	44,830	1,724	1,046,433
	%	.92	.37	1.26	.10	6.43	86.48	4.28	.16	100.00
Agricultural extension Service	No	4,545	13,497	13,055	7,190	69,625	4,304,179	48,350	25,486	4,485,928
	%	.10	.30	.29	.16	1.55	95.95	1.08	.57	100.00
Veterinary Service	No	9,677	9,686	10,858	7,858	82,150	4,244,320	48,083	23,666	4,436,297
	%	.22	.22	.24	.18	1.85	95.67	1.08	.53	100.00
Fertilizer Supply (Market/Enterprise)	No	2,308	39,361	3,348	2,985	59,689	4,284,005	42,680	24,401	4,458,778
	%	.05	.88	.08	.07	1.34	96.08	.96	.55	100.00
Improved Seeds Supply (Market/Enterprise)	No	2,693	43,591	6,382	3,253	61,329	4,348,903	43,984	25,590	4,535,723
	%	.06	.96	.14	.07	1.35	95.88	.97	.56	100.00
Pesticides/Insecticides/Herbicides Provider	No	4,805	24,927	9,276	6,728	59,355	4,357,608	44,293	25,664	4,532,656
	%	.11	.55	.20	.15	1.31	96.14	.98	.57	100.00
Police Station	No	5,040	3,918	64,539	13,802	118,986	3,815,264	87,028	17,140	4,125,718
	%	.12	.09	1.56	.33	2.88	92.48	2.11	.42	100.00
Primary Court	No	4,715	5,315	41,582	13,565	109,803	4,046,455	89,844	18,637	4,329,917
	%	.11	.12	.96	.31	2.54	93.45	2.07	.43	100.00
Kebele Office	No	7,992	4,820	69,966	14,944	87,770	2,601,411	45,550	11,214	2,843,667
	%	.28	.17	2.46	.53	3.09	91.48	1.60	.39	100.00
Micro-Finance	No	9,612	37,659	32,677	12,668	144,685	4,071,256	66,195	17,066	4,391,817
	%	.22	.86	.74	.29	3.29	92.70	1.51	.39	100.00
Internet Service	No	66,567	36,575	42,740	6,684	129,494	3,778,927	60,894	13,248	4,135,129
	%	1.61	.88	1.03	.16	3.13	91.39	1.47	.32	100.00
Source of Fire Wood	No	24,685	90,048	6,566	3,698	18,505	1,888,031	28,367	10,936	2,070,835
	%	1.19	4.35	.32	.18	.89	91.17	1.37	.53	100.00

HOUSING, STATUS OF HOUSING FACILITIES & TENURE

Table 8.1(a): Distribution of Households by Source of Drinking Water in Dry Season and Region - Total - 2016

Region	Source of Drinking Water in Dry Season								Share of Rain Water in Rainy Season	
	Own Tap	Public Tap shared	Protected well/spring	Unprotected well/spring	River/lake /pond	Others	Not Stated	Total		
Country Level	No %	1,385,038 7.14	6,827,816 35.20	4,258,237 21.95	4,258,191 21.95	2,584,532 13.32	32,774 .17	52,573 .27	19,399,161 100.00	132,428 .68
Tigray	No %	95,998 8.10	611,161 51.55	234,080 19.74	187,455 15.81	55,811 4.71	216 .02	822 .07	1,185,543 100.00	2,167 .18
Afar	No %	26,878 7.41	163,376 45.04	24,317 6.70	32,326 8.91	110,217 30.38	- -	5,625 1.55	362,739 100.00	27,613 7.61
Amhara	No %	290,322 5.77	1,647,751 32.75	1,248,279 24.81	1,374,370 27.31	465,633 9.25	3,715 .07	1,567 .03	5,031,637 100.00	10,045 .20
Oromia	No %	421,249 6.07	2,153,781 31.01	1,635,780 23.55	1,669,741 24.04	1,052,422 15.15	3,998 .06	8,305 .12	6,945,276 100.00	26,173 .38
Somale	No %	12,407 1.34	180,169 19.48	251,474 27.19	157,782 17.06	277,076 29.96	16,388 1.77	29,667 3.21	924,963 100.00	59,255 6.41
Benshangul-Gumuz	No %	5,483 2.37	118,923 51.32	64,473 27.82	23,482 10.13	19,288 8.32	- -	93 .04	231,742 100.00	370 .16
S.N.N.P	No %	167,555 4.60	1,339,294 36.77	745,285 20.46	803,802 22.07	584,051 16.03	1,674 .05	995 .03	3,642,656 100.00	6,485 .18
Gambela	No %	2,492 2.91	35,600 41.60	32,935 38.48	3,269 3.82	11,151 13.03	132 .15	- -	85,579 100.00	183 .21
Harari	No %	10,988 18.70	28,548 48.58	8,586 14.61	278 .47	6,824 11.61	498 .85	3,045 5.18	58,767 100.00	- -
Addis Ababa	No %	333,535 40.15	494,606 59.54	1,799 .22	167 .02	- -	- -	593 .07	830,700 100.00	138 .02
Dire Dawa	No %	18,129 18.21	54,607 54.85	11,226 11.28	5,520 5.54	2,060 2.07	6,153 6.18	1,863 1.87	99,558 100.00	- -

Table 8.1(b): Distribution of Households by Source of Drinking Water in Dry Season and Region - Rural - 2016

Region	Source of Drinking Water in Dry Season								Share of Rain Water in Rainy Season	
	Own Tap	Public Tap shared	Protected well/spring	Unprotected well/spring	River/lake /pond	Others	Not Stated	Total		
Country Level	No %	143,974 .98	3,761,180 25.52	4,072,953 27.64	4,154,820 28.19	2,544,304 17.26	18,798 .13	41,177 .28	14,737,206 100.00	120,083 .81
Tigray	No %	9,031 1.09	353,652 42.68	231,748 27.97	177,585 21.43	55,811 6.74	- -	822 .10	828,649 100.00	2,167 .26
Afar	No %	11,292 4.18	100,018 37.02	11,744 4.35	32,326 11.96	109,180 40.41	- -	5,625 2.08	270,185 100.00	27,613 10.22
Amhara	No %	60,972 1.52	935,953 23.38	1,222,927 30.54	1,328,315 33.18	451,839 11.29	3,715 .09	- -	4,003,721 100.00	6,676 .17
Oromia	No %	55,314 .98	1,298,929 23.11	1,562,875 27.81	1,661,446 29.57	1,033,405 18.39	2,564 .05	5,064 .09	5,619,597 100.00	25,686 .46
Somale	No %	2,727 .35	96,280 12.38	228,225 29.34	134,318 17.27	275,787 35.46	10,845 1.39	29,667 3.81	777,849 100.00	51,274 6.59
Benshangul-Gumuz	No %	294 .17	90,220 52.24	48,326 27.98	16,527 9.57	17,338 10.04	- -	- -	172,705 100.00	- -
S.N.N.P	No %	3,631 .12	860,288 29.04	719,708 24.29	795,324 26.84	582,121 19.65	1,674 .06	- -	2,962,746 100.00	6,485 .22
Gambela	No %	- -	11,638 22.16	27,755 52.85	3,181 6.06	9,938 18.93	- -	- -	52,512 100.00	183 .35
Harari	No %	207 1.04	4,131 20.80	8,420 42.40	278 1.40	6,824 34.36	- -	- -	19,860 100.00	- -
Dire Dawa	No %	507 1.73	10,071 34.27	11,226 38.20	5,520 18.79	2,060 7.01	- -	- -	29,384 100.00	- -

Table 8.1(c): Distribution of Households by Source of Drinking Water in Dry Season and Region - Urban - 2016

Region	Source of Drinking Water in Dry Season									Share of Rain Water in Rainy Season
	Own Tap	Public Tap shared	Protected well/spring	Unprotected well/spring	River/lake /pond	Others	Not Stated	Total		
Country Level	No %	1,241,064 26.62	3,066,636 65.78	185,284 3.97	103,371 2.22	40,229 .86	13,976 .30	11,395 .24	4,661,955 100.00	12,345 .26
Tigray	No %	86,967 24.37	257,509 72.15	2,332 .65	9,869 2.77	- -	216 .06	- -	356,893 100.00	- -
Afar	No %	15,587 16.84	63,358 68.45	12,573 13.58	- -	1,037 1.12	- -	- -	92,555 100.00	- -
Amhara	No %	229,350 22.31	711,798 69.25	25,353 2.47	46,055 4.48	13,793 1.34	- -	1,567 .15	1,027,916 100.00	3,369 .33
Oromia	No %	365,936 27.60	854,852 64.48	72,905 5.50	8,295 .63	19,017 1.43	1,434 .11	3,241 .24	1,325,680 100.00	487 .04
Somale	No %	9,680 6.58	83,889 57.02	23,250 15.80	23,464 15.95	1,289 .88	5,543 3.77	- -	147,115 100.00	7,981 5.43
Benshangul-Gumuz	No %	5,189 8.79	28,703 48.62	16,147 27.35	6,955 11.78	1,950 3.30	- -	93 .16	59,037 100.00	370 .63
S.N.N.P	No %	163,925 24.11	479,006 70.45	25,577 3.76	8,478 1.25	1,930 .28	- -	995 .15	679,911 100.00	- -
Gambela	No %	2,492 7.54	23,962 72.46	5,180 15.67	88 .27	1,213 3.67	132 .40	- -	33,067 100.00	- -
Harari	No %	10,781 27.71	24,417 62.76	167 .43	- -	- -	498 1.28	3,045 7.83	38,908 100.00	- -
Addis Ababa	No %	333,535 40.15	494,606 59.54	1,799 .22	167 .02	- -	- -	593 .07	830,700 100.00	138 .02
Dire Dawa	No %	17,622 25.11	44,536 63.47	- -	- -	- -	6,153 8.77	1,863 2.65	70,174 100.00	- -

Table 8.2(a): Distribution of Households by Change in Source of Drinking Water and Region - Total - 2016

Change in Source of Drinking Water (Now & 12 months ago)													Households Stated	Total
to Protected Region	Well/Spring	From Unprotected Public Tap	From protected Tap to Public Tap	From protected Own Tap	From Own Well/spring Tap	From Own Tap to protected Well/Spring	protected Other River/Lake	Tap No Well/Spring	Tap New Changes	Not Changes	Households			
Country Level	No %	68,597 .35	56,038 .29	74,266 .38	32,357 .17	44,573 .23	20,253 .10	2,594 .01	481,063 2.48	18,075,668 93.18	473,812 2.44	69,940 .36	19,399,161 100.00	
Tigray	No %	7,751 .65	13,470 1.14	4,540 .38	4,104 .35	13,570 1.14	3,297 .28	1,861 .16	35,056 2.96	1,071,424 90.37	21,506 1.81	8,963 .76	1,185,542 100.00	
Afar	No %	-	1,162 .32	1,665 .46	256 .07	-	-	-	10,068 2.78	336,341 92.72	13,230 3.65	18	362,740 100.00	
Amhara	No %	34,245 .68	12,225 .24	32,898 .65	8,594 .17	14,679 .29	10,500 .21	-	231,041 4.59	4,548,353 90.40	113,437 2.25	25,665 .51	5,031,637 100.00	
Oromia	No %	12,412 .18	19,421 .28	19,335 .28	10,705 .15	9,752 .14	2,237 .03	99	131,300 1.89	6,593,922 94.94	130,714 1.88	15,379 .22	6,945,276 100.00	
Somale	No %	114 .01	145 .02	288 .03	-	116 .01	-	-	10,317 1.12	867,417 93.78	43,073 4.66	3,491 .38	924,961 100.00	
Benshangul-Gumuz	No %	142 .06	329 .14	441 .19	244 .11	431 .19	595 .26	-	7,275 3.14	214,535 92.58	7,405 3.20	344 .15	231,741 100.00	
S.N.N.P	No %	13,933 .38	8,374 .23	10,558 .29	4,713 .13	5,364 .15	3,534 .10	451 .01	43,651 1.20	3,461,377 95.02	81,483 2.24	9,221 .25	3,642,659 100.00	
Gambela	No %	-	181 .21	189 .22	172 .20	91 .11	91 .11	182 .21	1,080 1.26	77,520 90.58	5,935 6.94	139 .16	85,580 100.00	
Harari	No %	-	69 .12	297 .51	207 .35	167 .28	-	-	2,307 3.93	53,905 91.73	1,537 2.62	278 .47	58,767 100.00	
Addis Ababa	No %	-	531 .06	3,043 .37	2,657 .32	-	-	-	4,687 .56	761,393 91.66	52,356 6.30	6,033 .73	830,700 100.00	
Dire Dawa	No %	-	131 .13	1,014 1.02	704 .71	403 .40	-	-	4,281 4.30	89,482 89.88	3,136 3.15	408 .41	99,559 100.00	

Table 8.2(b): Distribution of Households by Change in Source of Drinking Water and Region - Rural - 2016

Change in Source of Drinking Water (Now & 12 months ago)													
to Protected Region		From Unprotected Well/Spring	From protected Public Tap to Public Tap	From Public From protected to Own Tap	From Own Well/spring to Public Tap	From Own Tap to protected Well/Spring	protected Other River/Lake	Tap No Well/Spring	New Changes	14,011,638	Not ChangesHouseholds	Stated	Total
Country Level	No %	68,341 .46	40,304 .27	23,255 .16	4,136 .03	38,862 .26	20,169 .14	1,548 .01	337,898 2.29	14,011,638 95.08	155,078 1.05	35,977 .24	14,737,206 100.00
Tigray	No %	7,751 .94	11,768 1.42	1,058 .13	-	12,579 1.52	3,297 .40	1,367 .16	26,131 3.15	751,829 90.73	7,442 .90	5,430 .66	828,652 100.00
Afar	No %	-	943 .35	470 .17	-	-	-	-	7,053 2.61	256,557 94.96	5,162 1.91	-	270,185 100.00
Amhara	No %	34,245 .86	6,281 .16	14,272 .36	1,583 .04	13,028 .33	10,416 .26	-	178,516 4.46	3,681,102 91.94	51,277 1.28	13,001 .32	4,003,721 100.00
Oromia	No %	12,412 .22	16,259 .29	5,123 .09	2,552 .05	7,656 .14	2,237 .04	-	82,874 1.47	5,450,859 97.00	30,023 .53	9,600 .17	5,619,595 100.00
Somale	No %	-	-	-	-	-	-	-	9,466 1.22	737,291 94.79	28,370 3.65	2,720 .35	777,847 100.00
Benshangul-Gumuz	No %	-	298 .17	-	-	299 .17	595 .34	-	4,793 2.78	163,419 94.62	3,300 1.91	-	172,704 100.00
S.N.N.P	No %	13,933 .47	4,594 .16	2,130 .07	-	4,807 .16	3,534 .12	-	28,711 .97	2,872,955 96.97	27,405 .92	4,679 .16	2,962,748 100.00
Gambela	No %	-	92 .18	-	-	91 .17	91 .17	182 .35	182 .35	50,151 95.50	1,724 3.28	-	52,513 100.00
Harari	No %	-	69 .35	-	-	-	-	-	69 .35	19,515 98.26	69 .35	138 .69	19,860 100.00
Dire Dawa	No %	-	-	203 .69	-	403 1.37	-	-	104 .35	27,961 95.15	306 1.04	408 1.39	29,385 100.00

Table 8.2(c): Distribution of Households by Change in Source of Drinking Water and Region - Urban - 2016

Change in Source of Drinking Water (Now & 12 months ago)													
to Protected Region	Well/Spring	From Unprotected Public Tap	From protected Tap to Public Tap	From Public From protected Tap to Own Tap	From Own Well/spring Public Tap	From Own Tap to protected Well/Spring	protected Other River/Lake	Tap No Well/Spring	Tap New Changes	Not Changes	Households	Stated	Total
Country Level	No %	256 .01	15,734 .34	51,011 1.09	28,221 .61	5,711 .12	84 -	1,045 .02	143,166 3.07	4,064,030 87.17	318,734 6.84	33,963 .73	4,661,955 100.00
Tigray	No %	- -	1,701 .48	3,482 .98	4,104 1.15	992 .28	- -	495 .14	8,926 2.50	319,596 89.55	14,065 3.94	3,533 .99	356,894 100.00
Afar	No %	- -	219 .24	1,195 1.29	256 .28	- -	- -	- -	3,014 3.26	79,784 86.20	8,068 8.72	18 .02	92,554 100.00
Amhara	No %	- -	5,945 .58	18,626 1.81	7,010 .68	1,652 .16	84 .01	- -	52,526 5.11	867,251 84.37	62,160 6.05	12,663 1.23	1,027,917 100.00
Oromia	No %	- -	3,162 .24	14,212 1.07	8,153 .62	2,096 .16	- -	99 .01	48,426 3.65	1,143,063 86.22	100,690 7.60	5,779 .44	1,325,680 100.00
Somale	No %	114 .08	145 .10	288 .20	- -	116 .08	- -	- -	851 .58	130,126 88.45	14,703 9.99	771 .52	147,114 100.00
Benshangul-Gumuz	No %	142 .24	31 .05	441 .75	244 .41	131 .22	- -	- -	2,482 4.20	51,116 86.59	4,104 6.95	344 .58	59,035 100.00
S.N.N.P	No %	- -	3,780 .56	8,428 1.24	4,713 .69	557 .08	- -	451 .07	14,940 2.20	588,422 86.54	54,078 7.95	4,542 .67	679,911 100.00
Gambela	No %	- -	88 .27	189 .57	172 .52	- -	- -	- -	898 2.72	27,369 82.77	4,211 12.74	139 .42	33,066 100.00
Harari	No %	- -	- -	297 .76	207 .53	167 .43	- -	- -	2,238 5.75	34,390 88.39	1,467 3.77	140 .36	38,906 100.00
Addis Ababa	No %	- -	531 .06	3,043 .37	2,657 .32	- -	- -	- -	4,687 .56	761,393 91.66	52,356 6.30	6,033 .73	830,700 100.00
Dire Dawa	No %	- -	131 .19	811 1.16	704 1.00	- -	- -	- -	4,177 5.95	61,521 87.67	2,830 4.03	- -	70,174 100.00

Table 8.3(a): Distribution of Households by Change in Source of Drinking Water and Region - Total - 2016

Change in Source of Drinking Water (Now & 5 Years Ago)														
Region		From River, Lake to Protected Well/Spring	From Unprotected to Protected Well/Spring	From protected Well/Spring to Public Tap	From Public From Own Tap	From Own Tap to Public Tap	From Own Tap to protected Well/Spring	protected Well/spring to River/Lake	Tap protected Well/Spring	Other Changes	No Changes	New Households	Not Stated	Total
Country Level	No %	6,332 .03	557,917 2.88	198,215 1.02	174,559 .90	46,129 .24	57,221 .29	12,324 .06	3,822 .02	1,275,067 6.57	15,186,721 78.29	1,771,816 9.13	109,039 .56	19,399,162 100.00
Tigray	No %	- -	19,368 1.63	27,721 2.34	18,945 1.60	5,219 .44	23,936 2.02	3,297 .28	1,024 .09	83,254 7.02	849,987 71.70	148,378 12.52	4,414 .37	1,185,543 100.00
Afar	No %	- -	- -	219 .06	5,397 1.49	755 .21	- -	- -	- -	27,132 7.48	299,851 82.66	29,386 8.10	- -	362,740 100.00
Amhara	No %	4,432 .09	185,316 3.68	58,443 1.16	58,521 1.16	14,546 .29	8,491 .17	4,058 .08	2,221 .04	491,449 9.77	3,621,600 71.98	555,139 11.03	27,422 .54	5,031,638 100.00
Oromia	No %	- -	261,456 3.76	47,999 .69	49,833 .72	14,354 .21	18,002 .26	- -	452 .01	357,034 5.14	5,572,037 80.23	586,171 8.44	37,938 .55	6,945,276 100.00
Somale	No %	- -	435 .05	14,500 1.57	2,086 .23	- -	116 .01	- -	- -	93,619 10.12	746,559 80.71	62,749 6.78	4,897 .53	924,961 100.00
Benshangul-Gumuz	No %	294 .13	5,849 2.52	1,503 .65	1,298 .56	333 .14	579 .25	- -	- -	28,670 12.37	159,625 68.88	32,854 14.18	737 .32	231,742 100.00
S.N.N.P	No %	1,398 .04	84,973 2.33	45,822 1.26	24,764 .68	5,547 .15	5,527 .15	4,969 .14	125 -	161,524 4.43	3,065,461 84.15	226,578 6.22	15,969 .44	3,642,657 100.00
Gambela	No %	- -	450 .53	513 .60	268 .31	335 .39	- -	- -	- -	4,295 5.02	65,872 76.97	12,953 15.14	894 1.04	85,580 100.00
Harari	No %	207 .35	69 .12	97 .17	2,445 4.16	315 .54	167 .28	- -	- -	4,898 8.33	42,065 71.58	8,196 13.95	308 .52	58,767 100.00
Addis Ababa	No %	- -	- -	1,165 .14	8,644 1.04	3,930 .47	- -	- -	- -	12,188 1.47	692,298 83.34	96,787 11.65	15,688 1.89	830,700 100.00
Dire Dawa	No %	- -	- -	234 .24	2,359 2.37	795 .80	403 .40	- -	- -	11,004 11.05	71,366 71.68	12,627 12.68	771 .77	99,559 100.00

Table 8.3(b): Distribution of Households by Change in Source of Drinking Water and Region - Rural - 2016

Change in Source of Drinking Water (Now & 5 Years Ago)														
Region		From River, Lake to Protected Well/Spring	From Unprotected to Protected Well/Spring	From protected Well/Spring to Public Tap	From Public From Public Tap to Own Tap	From Own Tap to Public Tap	From Own Tap to protected Well/Spring	protected Well/spring to River/Lake	Tap protected Well/Spring	Other Changes	No Changes	New Households	Not Stated	Total
Country Level	No %	6,332 .04	552,244 3.75	153,261 1.04	29,200 .20	7,556 .05	50,225 .34	12,324 .08	3,244 .02	963,086 6.54	12,015,956 81.53	879,975 5.97	63,804 .43	14,737,207 100.00
Tigray	No %	- -	19,368 2.34	22,760 2.75	3,707 .45	1,193 .14	22,450 2.71	3,297 .40	1,024 .12	51,492 6.21	625,103 75.44	75,749 9.14	2,506 .30	828,649 100.00
Afar	No %	- -	- -	- -	946 .35	- -	- -	- -	- -	22,065 8.17	238,255 88.18	8,920 3.30	- -	270,186 100.00
Amhara	No %	4,432 .11	184,570 4.61	42,300 1.06	12,044 .30	1,583 .04	6,687 .17	4,058 .10	2,221 .06	400,844 10.01	3,012,238 75.24	316,139 7.90	16,605 .41	4,003,721 100.00
Oromia	No %	- -	259,740 4.62	36,879 .66	10,171 .18	4,779 .09	15,335 .27	- -	- -	266,503 4.74	4,680,608 83.29	313,643 5.58	31,938 .57	5,619,596 100.00
Somale	No %	- -	- -	13,641 1.75	- -	- -	- -	- -	- -	78,751 10.12	639,314 82.19	42,064 5.41	4,078 .52	777,848 100.00
Benshangul-Gumuz	No %	294 .17	5,400 3.13	1,202 .70	- -	- -	299 .17	- -	- -	25,491 14.76	124,129 71.87	15,890 9.20	- -	172,705 100.00
S.N.N.P	No %	1,398 .05	82,646 2.79	36,100 1.22	2,130 .07	- -	5,051 .17	4,969 .17	- -	114,451 3.86	2,607,375 88.01	100,892 3.41	7,735 .26	2,962,747 100.00
Gambela	No %	- -	450 .86	277 .53	- -	- -	- -	- -	- -	2,594 4.94	44,104 83.99	4,450 8.47	636 1.21	52,511 100.00
Harari	No %	207 1.04	69 .35	- -	- -	- -	- -	- -	- -	688 3.46	18,200 91.65	694 3.49	- -	19,858 100.00
Dire Dawa	No %	- -	- -	103 .35	203 .69	- -	403 1.37	- -	- -	206 .70	26,628 90.62	1,534 5.22	306 1.04	29,383 100.00

Table 8.3(c): Distribution of Households by Change in Source of Drinking Water and Region - Urban - 2016

Change in Source of Drinking Water (Now & 5 Years Ago)														
Region	From River, Lake to Protected Well/Spring	From Unprotected Well/Spring	From protected Well/Spring to Public Tap	From Public From Own Tap	From Own Tap to Public Tap	From Own Tap to protected Well/Spring	From protected Well/spring to River/Lake	From protected Well/Spring	Tap protected	Other Changes	No Changes	New Households	Not Stated	Total
Country Level	No %	- -	5,673 .12	44,954 .96	145,359 3.12	38,573 .83	6,997 .15	- -	577 .01	311,981 6.69	3,170,765 68.01	891,841 19.13	45,235 .97	4,661,955 100.00
Tigray	No %	- -	- -	4,961 1.39	15,238 4.27	4,026 1.13	1,486 .42	- -	- -	31,762 8.90	224,884 63.01	72,628 20.35	1,909 .53	356,894 100.00
Afar	No %	- -	- -	219 .24	4,452 4.81	755 .82	- -	- -	- -	5,066 5.47	61,596 66.55	20,466 22.11	- -	92,554 100.00
Amhara	No %	- -	746 .07	16,143 1.57	46,477 4.52	12,963 1.26	1,804 .18	- -	- -	90,605 8.81	609,361 59.28	239,000 23.25	10,817 1.05	1,027,916 100.00
Oromia	No %	- -	1,716 .13	11,120 .84	39,662 2.99	9,574 .72	2,667 .20	- -	452 .03	90,531 6.83	891,430 67.24	272,528 20.56	6,001 .45	1,325,681 100.00
Somale	No %	- -	435 .30	859 .58	2,086 1.42	- -	116 .08	- -	- -	14,868 10.11	107,245 72.90	20,685 14.06	819 .56	147,113 100.00
Benshangul-Gumuz	No %	- -	448 .76	302 .51	1,298 2.20	333 .56	279 .47	- -	- -	3,179 5.38	35,496 60.13	16,964 28.74	737 1.25	59,036 100.00
S.N.N.P	No %	- -	2,327 .34	9,722 1.43	22,634 3.33	5,547 .82	476 .07	- -	125 .02	47,073 6.92	458,085 67.37	125,686 18.49	8,234 1.21	679,909 100.00
Gambela	No %	- -	- -	235 .71	268 .81	335 1.01	- -	- -	- -	1,700 5.14	21,768 65.83	8,502 25.71	258 .78	33,066 100.00
Harari	No %	- -	- -	97 .25	2,445 6.28	315 .81	167 .43	- -	- -	4,210 10.82	23,865 61.34	7,502 19.28	308 .79	38,909 100.00
Addis Ababa	No %	- -	- -	1,165 .14	8,644 1.04	3,930 .47	- -	- -	- -	12,188 1.47	692,298 83.34	96,787 11.65	15,688 1.89	830,700 100.00
Dire Dawa	No %	- -	- -	131 .19	2,156 3.07	795 1.13	- -	- -	- -	10,798 15.39	44,737 63.75	11,093 15.81	465 .66	70,175 100.00

Table 8.4(a): Distribution of Households by Source of Energy for Lighting and Region - Total - 2016

Region		Source of Energy for Lighting									Total
		Elect- (Private)	Elect- Candle (Shared)	Elect- battery	Solar Kerosine	Not /wax	Firewood	Energy	Others	Stated	
Country Level	No	1,872,479	3,569,983	6,548,377	4,621,095	20,357	607,312	2,069,188	89,411	958	19,399,160
	%	9.65	18.40	33.76	23.82	.10	3.13	10.67	.46	-	100.00
Tigray	No	154,636	322,878	326,065	133,574	3,028	5,863	236,709	2,438	352	1,185,543
	%	13.04	27.23	27.50	11.27	.26	.49	19.97	.21	.03	100.00
Afar	No	49,254	72,490	158,995	4,306	31	69,468	8,178	18	-	362,740
	%	13.58	19.98	43.83	1.19	.01	19.15	2.25	-	-	100.00
Amhara	No	297,859	895,671	2,371,905	864,602	4,632	158,187	393,524	45,042	216	5,031,638
	%	5.92	17.80	47.14	17.18	.09	3.14	7.82	.90	-	100.00
Oromia	No	631,115	1,036,233	2,085,437	1,915,790	4,021	238,704	998,242	35,533	200	6,945,275
	%	9.09	14.92	30.03	27.58	.06	3.44	14.37	.51	-	100.00
Somale	No	37,284	79,621	555,986	109,321	172	-	140,890	1,688	-	924,962
	%	4.03	8.61	60.11	11.82	.02	-	15.23	.18	-	100.00
Benshangul-Gumuz	No	14,193	43,902	128,463	6,163	1,933	7,615	28,424	1,049	-	231,742
	%	6.12	18.94	55.43	2.66	.83	3.29	12.27	.45	-	100.00
S.N.N.P	No	220,516	609,110	877,447	1,573,873	3,613	121,445	234,797	1,856	-	3,642,657
	%	6.05	16.72	24.09	43.21	.10	3.33	6.45	.05	-	100.00
Gambela	No	6,559	21,745	39,748	582	2,260	5,771	8,272	643	-	85,580
	%	7.66	25.41	46.45	.68	2.64	6.74	9.67	.75	-	100.00
Harari	No	21,309	28,978	-	2,803	-	-	5,607	69	-	58,766
	%	36.26	49.31	-	4.77	-	-	9.54	.12	-	100.00
Addis Ababa	No	411,671	413,351	1,176	2,180	668	260	567	638	189	830,700
	%	49.56	49.76	.14	.26	.08	.03	.07	.08	.02	100.00
Dire Dawa	No	28,082	46,005	3,155	7,900	-	-	13,980	437	-	99,559
	%	28.21	46.21	3.17	7.93	-	-	14.04	.44	-	100.00

Table 8.4(b): Distribution of Households by Source of Energy for Lighting and Region - Rural - 2016

Region		Source of Energy for Lighting									Total
		Elect- (Private)	Elect- Candle (Shared)	Elect- battery	Solar Kerosine	Not /wax	Firewood	Energy	Others	Stated	
Country Level	No	385,120	787,223	6,346,933	4,503,381	7,938	599,417	2,029,845	76,997	352	14,737,206
	%	2.61	5.34	43.07	30.56	.05	4.07	13.77	.52	-	100.00
Tigray	No	59,358	87,207	316,927	126,144	1,386	5,863	230,791	620	352	828,648
	%	7.16	10.52	38.25	15.22	.17	.71	27.85	.07	.04	100.00
Afar	No	13,162	19,764	157,010	2,820	-	69,468	7,962	-	-	270,186
	%	4.87	7.31	58.11	1.04	-	25.71	2.95	-	-	100.00
Amhara	No	69,632	233,468	2,277,870	840,636	1,837	156,634	379,815	43,829	-	4,003,721
	%	1.74	5.83	56.89	21.00	.05	3.91	9.49	1.09	-	100.00
Oromia	No	165,539	242,024	2,066,681	1,884,016	2,566	236,260	994,455	28,055	-	5,619,596
	%	2.95	4.31	36.78	33.53	.05	4.20	17.70	.50	-	100.00
Somale	No	12,123	13,593	517,607	98,784	-	-	134,382	1,358	-	777,847
	%	1.56	1.75	66.54	12.70	-	-	17.28	.17	-	100.00
Benshangul-Gumuz	No	5,709	12,912	117,157	3,601	301	6,923	25,193	908	-	172,704
	%	3.31	7.48	67.84	2.09	.17	4.01	14.59	.53	-	100.00
S.N.N.P	No	53,425	163,868	855,500	1,537,104	1,299	118,977	231,188	1,386	-	2,962,747
	%	1.80	5.53	28.88	51.88	.04	4.02	7.80	.05	-	100.00
Gambela	No	181	2,617	35,942	457	549	5,292	7,009	465	-	52,512
	%	.34	4.98	68.45	.87	1.05	10.08	13.35	.89	-	100.00
Harari	No	4,060	7,791	-	2,560	-	-	5,379	69	-	19,859
	%	20.44	39.23	-	12.89	-	-	27.09	.35	-	100.00
Dire Dawa	No	1,931	3,978	2,239	7,259	-	-	13,671	306	-	29,384
	%	6.57	13.54	7.62	24.70	-	-	46.53	1.04	-	100.00

Table 8.4(c): Distribution of Households by Source of Energy for Lighting and Region - Urban - 2016

Region		Source of Energy for Lighting									
		Elect- (Private)	Elect- Candle (Shared)	Elect- battery	Solar Kerosine	Not /wax	Firewood	Energy	Others	Stated	Total
Country Level	No	1,487,359	2,782,760	201,444	117,714	12,419	7,895	39,344	12,414	606	4,661,955
	%	31.90	59.69	4.32	2.52	.27	.17	.84	.27	.01	100.00
Tigray	No	95,278	235,671	9,137	7,430	1,642	-	5,917	1,818	-	356,893
	%	26.70	66.03	2.56	2.08	.46	-	1.66	.51	-	100.00
Afar	No	36,092	52,726	1,985	1,486	31	-	216	18	-	92,554
	%	39.00	56.97	2.14	1.61	.03	-	.23	.02	-	100.00
Amhara	No	228,227	662,203	94,035	23,966	2,794	1,553	13,709	1,213	216	1,027,916
	%	22.20	64.42	9.15	2.33	.27	.15	1.33	.12	.02	100.00
Oromia	No	465,576	794,209	18,756	31,774	1,456	2,444	3,788	7,478	200	1,325,681
	%	35.12	59.91	1.41	2.40	.11	.18	.29	.56	.02	100.00
Somale	No	25,161	66,027	38,379	10,537	172	-	6,509	330	-	147,115
	%	17.10	44.88	26.09	7.16	.12	-	4.42	.22	-	100.00
Benshangul-Gumuz	No	8,483	30,990	11,306	2,562	1,632	692	3,230	140	-	59,035
	%	14.37	52.49	19.15	4.34	2.76	1.17	5.47	.24	-	100.00
S.N.N.P	No	167,091	445,242	21,948	36,769	2,313	2,467	3,609	470	-	679,909
	%	24.58	65.49	3.23	5.41	.34	.36	.53	.07	-	100.00
Gambela	No	6,378	19,128	3,806	125	1,711	479	1,263	178	-	33,068
	%	19.29	57.84	11.51	.38	5.17	1.45	3.82	.54	-	100.00
Harari	No	17,249	21,187	-	244	-	-	227	-	-	38,907
	%	44.33	54.46	-	.63	-	-	.58	-	-	100.00
Addis Ababa	No	411,671	413,351	1,176	2,180	668	260	567	638	189	830,700
	%	49.56	49.76	.14	.26	.08	.03	.07	.08	.02	100.00
Dire Dawa	No	26,152	42,026	916	641	-	-	308	131	-	70,174
	%	37.27	59.89	1.31	.91	-	-	.44	.19	-	100.00

Table 8.5(a): Distribution of Households by Change in Source of Energy for Lighting and Region - Total - 2016

Change in Source of Light Energy (Now & 12 Month Ago)												
Region		From Kerosine to Electricity (Private)	From Electricity (Shared)	From Electricity Shared to Private	From Candle/Wax Shared to	From Candle/Wax Private to	From Firewood to Kerosine	Kerosine to Firewood	Other Change	No Change	New Households	Total
Country Level	No	12,746	60,863	1,755,830	5,930	39	2,611	5,454	1,659,652	15,422,225	473,812	19,399,162
	%	.07	.31	9.05	.03	-	.01	.03	8.56	79.50	2.44	100.00
Tigray	No	1,426	6,844	139,451	1,768	-	-	-	180,155	834,393	21,506	1,185,543
	%	.12	.58	11.76	.15	-	-	-	15.20	70.38	1.81	100.00
Afar	No	-	-	42,938	-	-	-	-	15,511	291,060	13,230	362,739
	%	-	-	11.84	-	-	-	-	4.28	80.24	3.65	100.00
Amhara	No	2,918	15,200	274,459	592	-	-	-	619,628	4,005,403	113,437	5,031,637
	%	.06	.30	5.45	.01	-	-	-	12.31	79.60	2.25	100.00
Oromia	No	4,723	20,620	584,424	2,566	-	2,552	5,152	611,875	5,582,652	130,714	6,945,278
	%	.07	.30	8.41	.04	-	.04	.07	8.81	80.38	1.88	100.00
Somale	No	145	-	35,495	-	-	-	-	21,358	824,891	43,073	924,962
	%	.02	-	3.84	-	-	-	-	2.31	89.18	4.66	100.00
Benshangul-Gumuz	No	299	468	12,720	231	-	-	302	17,726	192,589	7,405	231,740
	%	.13	.20	5.49	.10	-	-	.13	7.65	83.11	3.20	100.00
S.N.N.P	No	3,097	16,593	209,576	472	-	-	-	166,854	3,164,582	81,483	3,642,657
	%	.09	.46	5.75	.01	-	-	-	4.58	86.88	2.24	100.00
Gambela	No	-	132	5,936	302	39	59	-	4,258	68,919	5,935	85,580
	%	-	.15	6.94	.35	.05	.07	-	4.98	80.53	6.94	100.00
Harari	No	-	69	20,943	-	-	-	-	2,817	33,401	1,537	58,767
	%	-	.12	35.64	-	-	-	-	4.79	56.84	2.62	100.00
Addis Ababa	No	138	502	403,406	-	-	-	-	11,243	363,056	52,356	830,701
	%	.02	.06	48.56	-	-	-	-	1.35	43.70	6.30	100.00
Dire Dawa	No	-	437	26,481	-	-	-	-	8,225	61,280	3,136	99,559
	%	-	.44	26.60	-	-	-	-	8.26	61.55	3.15	100.00

Table 8.5(b): Distribution of Households by Change in Source of Energy for Lighting and Region - Rural - 2016

Change in Source of Light Energy (Now & 12 Month Ago)												
Region		From Kerosine to Electricity (Private)	From Electricity (Shared)	From Electricity Shared to Private	From Candle/Wax	From Private to Candle/Wax	From Firewood to Kerosine	Kerosine to Firewood	Other Change	No Change	New Households	Total
Country Level	No	8,697	42,983	338,185	3,021	-	2,552	5,454	1,476,831	12,704,404	155,078	14,737,205
	%	.06	.29	2.29	.02	-	.02	.04	10.02	86.21	1.05	100.00
Tigray	No	931	5,175	49,212	456	-	-	-	158,491	606,942	7,442	828,649
	%	.11	.62	5.94	.06	-	-	-	19.13	73.24	.90	100.00
Afar	No	-	-	10,346	-	-	-	-	11,243	243,433	5,162	270,184
	%	-	-	3.83	-	-	-	-	4.16	90.10	1.91	100.00
Amhara	No	2,201	8,980	60,227	-	-	-	-	549,694	3,331,342	51,277	4,003,721
	%	.05	.22	1.50	-	-	-	-	13.73	83.21	1.28	100.00
Oromia	No	2,533	14,668	146,710	2,566	-	2,552	5,152	564,482	4,850,910	30,023	5,619,596
	%	.05	.26	2.61	.05	-	.05	.09	10.04	86.32	.53	100.00
Somale	No	-	-	12,123	-	-	-	-	17,592	719,762	28,370	777,847
	%	-	-	1.56	-	-	-	-	2.26	92.53	3.65	100.00
Benshangul-Gumuz	No	299	299	4,507	-	-	-	302	13,206	150,791	3,300	172,704
	%	.17	.17	2.61	-	-	-	.17	7.65	87.31	1.91	100.00
S.N.N.P	No	2,733	13,495	49,048	-	-	-	-	152,203	2,717,864	27,405	2,962,748
	%	.09	.46	1.66	-	-	-	-	5.14	91.73	.92	100.00
Gambela	No	-	92	91	-	-	-	-	2,748	47,857	1,724	52,512
	%	-	.18	.17	-	-	-	-	5.23	91.14	3.28	100.00
Harari	No	-	69	3,991	-	-	-	-	2,066	13,664	69	19,859
	%	-	.35	20.10	-	-	-	-	10.40	68.81	.35	100.00
Dire Dawa	No	-	205	1,931	-	-	-	-	5,104	21,839	306	29,385
	%	-	.70	6.57	-	-	-	-	17.37	74.32	1.04	100.00

Table 8.5(c): Distribution of Households by Change in Source of Energy for Lighting and Region - Urban - 2016

Change in Source of Light Energy (Now & 12 Month Ago)												
Region		From Kerosine to Electricity (Private)	From Electricity (Shared)	From Electricity Shared to Private	From Candle/Wax to Candle/Wax	From Private to Candle/Wax	From Firewood to Kerosine	Kerosine to Firewood	Other Change	No Change	New Households	Total
Country Level	No %	4,049 .09	17,880 .38	1,417,644 30.41	2,909 .06	39 -	59 -	- -	182,820 3.92	2,717,821 58.30	318,734 6.84	4,661,955 100.00
Tigray	No %	495 .14	1,668 .47	90,239 25.28	1,312 .37	- -	- -	- -	21,664 6.07	227,451 63.73	14,065 3.94	356,894 100.00
Afar	No %	- -	- -	32,591 35.21	- -	- -	- -	- -	4,268 4.61	47,627 51.46	8,068 8.72	92,554 100.00
Amhara	No %	717 .07	6,220 .61	214,232 20.84	592 .06	- -	- -	- -	69,934 6.80	674,061 65.58	62,160 6.05	1,027,916 100.00
Oromia	No %	2,190 .17	5,952 .45	437,713 33.02	- -	- -	- -	- -	47,393 3.57	731,742 55.20	100,690 7.60	1,325,680 100.00
Somale	No %	145 .10	- -	23,372 15.89	- -	- -	- -	- -	3,766 2.56	105,129 71.46	14,703 9.99	147,115 100.00
Benshangul-Gumuz	No %	- -	168 .28	8,214 13.91	231 .39	- -	- -	- -	4,520 7.66	41,799 70.80	4,104 6.95	59,036 100.00
S.N.N.P	No %	364 .05	3,098 .46	160,528 23.61	472 .07	- -	- -	- -	14,651 2.15	446,718 65.70	54,078 7.95	679,909 100.00
Gambela	No %	- -	39 .12	5,846 17.68	302 .91	39 .12	59 .18	- -	1,510 4.57	21,061 63.69	4,211 12.73	33,067 100.00
Harari	No %	- -	- -	16,952 43.57	- -	- -	- -	- -	751 1.93	19,737 50.73	1,467 3.77	38,907 100.00
Addis Ababa	No %	138 .02	502 .06	403,406 48.56	- -	- -	- -	- -	11,243 1.35	363,056 43.70	52,356 6.30	830,701 100.00
Dire Dawa	No %	- -	232 .33	24,551 34.99	- -	- -	- -	- -	3,121 4.45	39,441 56.20	2,830 4.03	70,175 100.00

Table 8.6(a): Distribution of Households by Change in Source of Energy for Lighting and Region - Total - 2016

Change in Source of Light Energy (Now & 5 Years Ago)												
Region	Lamp(kuraz) to Electrical	From Local Kerosene to Electricity		Lamp(kuraz) to Electricity		From Local kerosene (imported) to Lamp(kuraz) Electrical		From kerosene light Lamp to Electrical		From Local No New Change		Total
		Battery	Shared to (Shared)	Private	Lamp(kuraz) (Shared)	to Fire wood	Battery	Other Battery	Change	Change	Households	
Country Level	No %	2,069,090 10.67	39,263 .20	109,656 .57	243,229 1.25	20,995 .11	200,010 1.03	59,772 .31	2,269,769 11.70	12,615,092 65.03	1,772,286 9.14	19,399,162 100.00
Tigray	No %	114,567 9.66	9,740 .82	10,840 .91	22,415 1.89	- -	3,528 .30	10,181 .86	256,855 21.67	608,571 51.33	148,848 12.56	1,185,545 100.00
Afar	No %	469 .13	- -	4,508 1.24	2,609 .72	- -	- -	1,876 .52	26,135 7.20	297,756 82.09	29,386 8.10	362,739 100.00
Amhara	No %	918,011 18.24	12,506 .25	28,338 .56	88,004 1.75	9,398 .19	30,599 .61	8,567 .17	606,989 12.06	2,774,087 55.13	555,139 11.03	5,031,638 100.00
Oromia	No %	705,065 10.15	8,748 .13	36,842 .53	66,026 .95	10,275 .15	31,196 .45	30,520 .44	889,966 12.81	4,580,466 65.95	586,171 8.44	6,945,275 100.00
Somale	No %	39,970 4.32	4,347 .47	872 .09	166 .02	- -	124,325 13.44	- -	95,639 10.34	596,894 64.53	62,749 6.78	924,962 100.00
Benshangul-Gumuz	No %	13,135 5.67	98 .04	1,837 .79	3,085 1.33	604 .26	- -	1,030 .44	37,626 16.24	141,473 61.05	32,854 14.18	231,742 100.00
S.N.N.P	No %	274,435 7.53	488 .01	12,776 .35	59,407 1.63	718 .02	9,899 .27	6,924 .19	301,583 8.28	2,749,850 75.49	226,578 6.22	3,642,658 100.00
Gambela	No %	3,438 4.02	- -	462 .54	284 .33	- -	227 .27	47 .05	12,303 14.38	55,867 65.28	12,953 15.14	85,581 100.00
Harari	No %	- -	1,656 2.82	2,377 4.04	- -	- -	- -	- -	5,790 9.85	40,748 69.34	8,196 13.95	58,767 100.00
Addis Ababa	No %	- -	- -	9,570 1.15	823 .10	- -	- -	305 .04	22,754 2.74	700,461 84.32	96,787 11.65	830,700 100.00
Dire Dawa	No %	- -	1,680 1.69	1,236 1.24	411 .41	- -	236 .24	322 .32	14,129 14.19	68,917 69.22	12,627 12.68	99,558 100.00

Table 8.6(b): Distribution of Households by Change in Source of Energy for Lighting and Region - Rural - 2016

Change in Source of Light Energy (Now & 5 Years Ago)												
Region	Lamp(kuraz) to Electrical	From Local Kerosine to Electricity		Lamp(kuraz) to Electricity		From Local kerosene (imported) to Lamp(kuraz) Electrical		From kerosene light Lamp to Electrical		From Local No New Change		Total
		Battery	Shared to (Shared)	Private	Lamp(kuraz) (Shared)	to Fire wood	Battery	Other Battery	Change	Change	Households	
Country Level	No %	2,039,672 13.84	16,400 .11	9,126 .06	170,495 1.16	20,995 .14	188,327 1.28	49,766 .34	2,024,525 13.74	9,337,455 63.36	880,445 5.97	14,737,206 100.00
Tigray	No %	113,406 13.69	2,878 .35	2,931 .35	15,503 1.87	- -	2,533 .31	9,189 1.11	225,301 27.19	380,690 45.94	76,219 9.20	828,650 100.00
Afar	No %	469 .17	- -	943 .35	2,347 .87	- -	- -	1,876 .69	22,482 8.32	233,148 86.29	8,920 3.30	270,185 100.00
Amhara	No %	903,350 22.56	8,574 .21	2,255 .06	64,631 1.61	9,398 .23	30,171 .75	3,779 .09	530,400 13.25	2,135,025 53.33	316,139 7.90	4,003,722 100.00
Oromia	No %	701,062 12.48	2,574 .05	2,561 .05	46,719 .83	10,275 .18	31,196 .56	28,716 .51	829,323 14.76	3,653,526 65.01	313,643 5.58	5,619,595 100.00
Somale	No %	38,165 4.91	- -	- -	- -	- -	114,767 14.75	- -	87,951 11.31	494,901 63.62	42,064 5.41	777,848 100.00
Benshangul-Gumuz	No %	11,075 6.41	- -	298 .17	1,506 .87	604 .35	- -	898 .52	30,898 17.89	111,537 64.58	15,890 9.20	172,706 100.00
S.N.N.P	No %	268,854 9.07	- -	- -	39,601 1.34	718 .02	9,480 .32	5,308 .18	273,067 9.22	2,264,828 76.44	100,892 3.41	2,962,748 100.00
Gambela	No %	3,291 6.27	- -	- -	87 .17	- -	180 .34	- -	8,585 16.35	35,918 68.40	4,450 8.47	52,511 100.00
Harari	No %	- -	1,656 8.34	138 .69	- -	- -	- -	- -	4,892 24.63	12,478 62.84	694 3.49	19,858 100.00
Dire Dawa	No %	- -	717 2.44	- -	102 .35	- -	- -	- -	11,627 39.57	15,404 52.42	1,534 5.22	29,384 100.00

Table 8.6(c): Distribution of Households by Change in Source of Energy for Lighting and Region - Urban - 2016

Change in Source of Light Energy (Now & 5 Years Ago)												
Region	Lamp(kuraz) to Electrical	From Local Kerosene to Electricity		Lamp(kuraz) Shared to Electricity		From Local kerosene (imported) to Lamp(kuraz) Electrical to Fire wood		From kerosene light Lamp Lamp(kuraz) to Electrical		From Local Other		Total
		Battery	Shared (Shared)	Private	(Shared)	to Fire wood	Battery	Battery	No Change	New Change	Households	
Country Level	No %	29,418 .63	22,863 .49	100,530 2.16	72,734 1.56	- -	11,683 .25	10,005 .21	245,244 5.26	3,277,637 70.31	891,841 19.13	4,661,955 100.00
Tigray	No %	1,161 .33	6,861 1.92	7,909 2.22	6,912 1.94	- -	995 .28	992 .28	31,554 8.84	227,880 63.85	72,628 20.35	356,892 100.00
Afar	No %	- -	- -	3,565 3.85	262 .28	- -	- -	- -	3,653 3.95	64,608 69.81	20,466 22.11	92,554 100.00
Amhara	No %	14,661 1.43	3,932 .38	26,083 2.54	23,373 2.27	- -	428 .04	4,788 .47	76,589 7.45	639,063 62.17	239,000 23.25	1,027,917 100.00
Oromia	No %	4,003 .30	6,174 .47	34,281 2.59	19,307 1.46	- -	- -	1,804 .14	60,643 4.57	926,941 69.92	272,528 20.56	1,325,681 100.00
Somale	No %	1,805 1.23	4,347 2.95	872 .59	166 .11	- -	9,558 6.50	- -	7,689 5.23	101,993 69.33	20,685 14.06	147,115 100.00
Benshangul-Gumuz	No %	2,060 3.49	98 .17	1,538 2.61	1,579 2.67	- -	- -	131 .22	6,729 11.40	29,937 50.71	16,964 28.74	59,036 100.00
S.N.N.P	No %	5,581 .82	488 .07	12,776 1.88	19,806 2.91	- -	419 .06	1,615 .24	28,516 4.19	485,023 71.34	125,686 18.49	679,910 100.00
Gambela	No %	147 .44	- -	462 1.40	197 .60	- -	46 .14	47 .14	3,717 11.24	19,949 60.33	8,502 25.71	33,067 100.00
Harari	No %	- -	- -	2,239 5.75	- -	- -	- -	- -	897 2.31	28,269 72.66	7,502 19.28	38,907 100.00
Addis Ababa	No %	- -	- -	9,570 1.15	823 .10	- -	- -	305 .04	22,754 2.74	700,461 84.32	96,787 11.65	830,700 100.00
Dire Dawa	No %	- -	963 1.37	1,236 1.76	308 .44	- -	236 .34	322 .46	2,502 3.57	53,514 76.26	11,093 15.81	70,174 100.00

Table 8.7(a): Distribution of Households by Type of Cooking Fuel currently using and Region - Total - 2016

Region	Types of Cooking Fuel														Total
	Collecting Fire Wood	Purchase Fire Wood	Charcoal	Crop Residue/ Leaves	Dung/ Manure	Saw Dust	Kerosine	Butene - Gas	Elect- ricity	Bio - Gas	None	Others	Not Stated		
Country Level	No. 13,476,703 % 69.47	2,374,427 12.24	821,712 4.24	644,465 3.32	696,262 3.59	8,173 .04	73,692 .38	39,797 .21	1,017,928 5.25	2,954 .02	228,342 1.18	10,071 .05	958 -	19,399,161 100.00	
Tigray	No. 669,703 % 56.49	194,645 16.42	9,655 .81	13,135 1.11	155,153 13.09	-	820 .07	401 .03	125,718 10.60	-	15,960 1.35	-	352 .03	1,185,542 100.00	
Afar	No. 271,969 % 74.98	26,170 7.21	56,765 15.65	-	472 .13	-	-	-	1,628 .45	-	5,715 1.58	-	-	362,739 100.00	
Amhara	No. 3,253,641 % 64.66	793,244 15.77	82,804 1.65	346,651 6.89	365,311 7.26	2,882 .06	16,666 .33	3,913 .08	121,991 2.42	188	39,960 .79	4,169 .08	216	5,031,636 100.00	
Oromia	No. 5,494,307 % 79.11	770,494 11.09	223,777 3.22	6,997 .10	169,049 2.43	2,567 .04	15,198 .22	14,784 .21	151,228 2.18	2,629 .04	90,905 1.31	3,139 .05	200	6,945,274 100.00	
Somale	No. 804,187 % 86.94	35,724 3.86	67,584 7.31	-	2,834 .31	-	1,658 .18	1,458 .16	840 .09	-	9,297 1.01	-	-	924,963 100.00	
Benshangul-Gumuz	No. 196,151 % 84.64	17,632 7.61	12,409 5.35	-	-	-	31 .01	180 .08	758 .33	137 .06	4,444 1.92	-	-	231,742 100.00	
S.N.N.P	No. 2,645,692 % 72.63	451,638 12.40	153,148 4.20	274,590 7.54	2,041 .06	1,288 .04	7,153 .20	4,557 .13	61,908 1.70	-	36,410 1.00	1,956 .05	-	3,642,658 100.00	
Gambela	No. 57,145 % 66.77	9,493 11.09	15,593 18.22	-	92 .11	-	-	134 .16	213 .25	-	2,909 3.40	-	-	85,579 100.00	
Harari	No. 22,271 % 37.90	1,952 3.32	13,996 23.82	236 .40	-	-	3,749 6.38	-	14,205 24.17	-	2,358 4.01	-	-	58,767 100.00	
Addis Ababa	No. 29,184 % 3.51	61,440 7.40	156,321 18.82	2,550 .31	1,309 .16	1,435 .17	22,325 2.69	14,269 1.72	524,112 63.09	-	16,760 2.02	807 .10	189 .02	830,701 100.00	
Dire Dawa	No. 32,453 % 32.60	11,995 12.05	29,660 29.79	306 .31	-	-	6,093 6.12	101 .10	15,326 15.39	-	3,624 3.64	-	-	99,558 100.00	

Table 8.7(b): Distribution of Households by Type of Cooking Fuel Currently using and Region - Rural - 2016

Region	Types of Cooking Fuel														Total
	Collecting Fire Wood	Purchase Fire Wood	Charcoal	Crop Residue/ Leaves	Dung/ Manure	Saw Dust	Kerosine	Butene - Gas	Elect- ricity	Bio - Gas	None	Others	Not Stated		
Country Level	No. %	12,720,949 86.32	604,385 4.10	41,653 .28	620,849 4.21	651,471 4.42	- -	15,509 .11	13,604 .09	19,200 .13	2,532 .02	36,848 .25	6,196 .04	352 -	14,737,206 100.00
Tigray	No. %	611,785 73.83	51,613 6.23	- -	9,750 1.18	139,688 16.86	- -	- -	- -	14,663 1.77	- -	798 .10	- -	352 .04	828,649 100.00
Afar	No. %	255,618 94.61	9,392 3.48	4,234 1.57	- -	472 .17	- -	- -	- -	- -	- -	469 .17	- -	- -	270,185 100.00
Amhara	No. %	3,060,921 76.45	213,902 5.34	14,746 .37	335,127 8.37	357,235 8.92	- -	7,888 .20	2,200 .05	1,837 .05	- -	7,618 .19	2,246 .06	- -	4,003,720 100.00
Oromia	No. %	5,234,375 93.15	181,375 3.23	9,596 .17	2,528 .04	149,573 2.66	- -	4,809 .09	9,880 .18	2,561 .05	2,532 .05	19,802 .35	2,565 .05	- -	5,619,596 100.00
Somale	No. %	758,888 97.56	5,429 .70	1,351 .17	- -	2,713 .35	- -	1,341 .17	1,332 .17	- -	- -	5,413 .70	- -	- -	777,848 100.00
Benshangul-Gumuz	No. %	167,321 96.88	3,587 2.08	1,498 .87	- -	- -	- -	- -	- -	- -	- -	299 .17	- -	- -	172,705 100.00
S.N.N.P	No. %	2,534,592 85.55	136,892 4.62	9,323 .31	273,375 9.23	1,698 .06	- -	1,299 .04	- -	- -	- -	1,904 .06	1,386 .05	- -	2,962,746 100.00
Gambela	No. %	50,048 95.31	1,549 2.95	187 .36	- -	92 .18	- -	- -	91 .17	- -	- -	546 1.04	- -	- -	52,513 100.00
Harari	No. %	19,445 97.92	138 .69	- -	69 .35	- -	- -	69 .35	- -	138 .69	- -	- -	- -	- -	19,859 100.00
Dire Dawa	No. %	27,956 95.14	509 1.73	717 2.44	- -	- -	- -	102 .35	101 .34	- -	- -	- -	- -	- -	29,385 100.00

Table 8.7(c): Distribution of Households by Type of Cooking Fuel Currently using and Region - Urban - 2016

Region		Types of Cooking Fuel													Total
		Collecting Fire Wood	Purchase Fire Wood	Charcoal	Crop Residue/ Leaves	Dung/ Manure	Saw Dust	Kerosine	Butene - Gas	Elect- ricity	Bio - Gas	None	Others	Not Stated	
Country Level	No. %	755,754 16.21	1,770,042 37.97	780,058 16.73	23,616 .51	44,791 .96	8,173 .18	58,183 1.25	26,193 .56	998,728 21.42	422 .01	191,493 4.11	3,875 .08	606 .01	4,661,954 100.00
Tigray	No. %	57,918 16.23	143,032 40.08	9,655 2.71	3,385 .95	15,465 4.33	- -	820 .23	401 .11	111,056 31.12	- -	15,162 4.25	- -	- -	356,894 100.00
Afar	No. %	16,350 17.67	16,779 18.13	52,531 56.76	- -	- -	- -	- -	- -	1,628 1.76	- -	5,246 5.67	- -	- -	92,554 100.00
Amhara	No. %	192,719 18.75	579,342 56.36	68,058 6.62	11,524 1.12	8,076 .79	2,882 .28	8,778 .85	1,712 .17	120,153 11.69	188 .02	32,343 3.15	1,924 .19	216 .02	1,027,915 100.00
Oromia	No. %	259,932 19.61	589,119 44.44	214,181 16.16	4,470 .34	19,476 1.47	2,567 .19	10,388 .78	4,904 .37	148,667 11.21	97 .01	71,103 5.36	575 .04	200 .02	1,325,679 100.00
Somale	No. %	45,299 30.79	30,295 20.59	66,232 45.02	- -	121 .08	- -	317 .22	127 .09	840 .57	- -	3,884 2.64	- -	- -	147,115 100.00
Benshangul-Gumuz	No. %	28,830 48.83	14,045 23.79	10,911 18.48	- -	- -	- -	31 .05	180 .30	758 1.28	137 .23	4,145 7.02	- -	- -	59,037 100.00
S.N.N.P	No. %	111,100 16.34	314,745 46.29	143,824 21.15	1,215 .18	343 .05	1,288 .19	5,854 .86	4,557 .67	61,908 9.11	- -	34,506 5.08	570 .08	- -	679,910 100.00
Gambela	No. %	7,097 21.46	7,945 24.03	15,406 46.59	- -	- -	- -	- -	43 .13	213 .64	- -	2,364 7.15	- -	- -	33,068 100.00
Harari	No. %	2,826 7.26	1,814 4.66	13,996 35.97	167 .43	- -	- -	3,680 9.46	- -	14,067 36.15	- -	2,358 6.06	- -	- -	38,908 100.00
Addis Ababa	No. %	29,184 3.51	61,440 7.40	156,321 18.82	2,550 .31	1,309 .16	1,435 .17	22,325 2.69	14,269 1.72	524,112 63.09	- -	16,760 2.02	807 .10	189 .02	830,701 100.00
Dire Dawa	No. %	4,498 6.41	11,486 16.37	28,943 41.24	306 .44	- -	- -	5,991 8.54	- -	15,326 21.84	- -	3,624 5.16	- -	- -	70,174 100.00

Table 8.8(a): Distribution of Households by Change in Type of Cooking Fuel and Region - Total - 2016

		Change in Source of Light Energy (Now & 12 months ago)											
Region	Firewood to No %	From	Purchased	From	From	From	From	From	From	From	From	New holds	Total
		Dung/Saw Collected Electricity	Kerosine to Electricity	Electricity to Firewood	Electricity to Gas	Electricity to Other Firewood	Electricity to Kerosine	Electricity to No Kerosine	Electricity to No Kerosine	Electricity to No Kerosine	Electricity to No Kerosine		
Country Level	No %	810 -	27,366 .14	4,441 .02	1,817 .01	7,642 .04	623 -	-	313,550 1.62	18,566,543 95.71	473,812 2.44	19,399,161 100.00	
Tigray	No %	618 .05	5,428 .46	1,122 .09	-	2,201 .19	-	-	29,710 2.51	1,124,794 94.88	21,506 1.81	1,185,542 100.00	
Afar	No %	-	-	471 .13	-	-	-	-	4,291 1.18	344,747 95.04	13,230 3.65	362,739 100.00	
Amhara	No %	-	11,297 .22	382 .01	766 .02	2,548 .05	422 .01	-	115,750 2.30	4,786,025 95.12	113,437 2.25	5,031,637 100.00	
Oromia	No %	-	2,743 .04	2,247 .03	-	1,307 .02	-	-	92,634 1.33	6,715,062 96.69	130,714 1.88	6,945,276 100.00	
Somale	No %	-	-	-	-	-	-	-	4,334 .47	877,555 94.87	43,073 4.66	924,962 100.00	
Benshangul-Gumuz	No %	-	31 .01	-	-	-	-	-	2,769 1.19	221,537 95.60	7,405 3.20	231,742 100.00	
S.N.N.P	No %	-	4,626 .13	-	-	1,215 .03	-	-	39,774 1.09	3,514,883 96.49	81,483 2.24	3,642,657 100.00	
Gambela	No %	-	-	90 .11	-	-	-	-	1,701 1.99	77,854 90.97	5,935 6.94	85,580 100.00	
Harari	No %	53 .09	98 .17	130 .22	229 .39	-	201 .34	-	2,824 4.81	53,695 91.37	1,537 2.62	58,767 100.00	
Addis Ababa	No %	138 .02	3,145 .38	-	498 .06	371 .04	-	-	16,327 1.97	757,727 91.22	52,356 6.30	830,700 100.00	
Dire Dawa	No %	-	-	-	324 .33	-	-	-	3,434 3.45	92,664 93.08	3,136 3.15	99,558 100.00	

Table 8.8(b): Distribution of Households by Change in Type of Cooking Fuel and Region - Rural - 2016

		Change in Source of Light Energy (Now & 12 months ago)													
Region	Firewood to No %	From	Purchased	From	From	From	From	From	From	From	From	Changes	Changes	New holds	Total
		Dung/Saw Collected Electricity	Kerosine to Electricity	Electricity to Firewood	Electricity to Gas	Electricity to Other	Electricity to Firewood	Electricity to Kerosine	Electricity to No Kerosine	Electricity to No Kerosine	Electricity to No Kerosine				
Country Level	No %	618	-	3,929	-	1,236	-	-	-	-	-	162,976	14,413,369	155,078	14,737,206
	%	-	-	.03	-	.01	-	-	-	-	-	1.11	97.80	1.05	100.00
Tigray	No %	618	-	1,122	-	1,236	-	-	-	-	-	17,203	801,028	7,442	828,649
	%	.07	-	.14	-	.15	-	-	-	-	-	2.08	96.67	.90	100.00
Afar	No %	-	-	471	-	-	-	-	-	-	-	1,418	263,135	5,162	270,186
	%	-	-	.17	-	-	-	-	-	-	-	.52	97.39	1.91	100.00
Amhara	No %	-	-	-	-	-	-	-	-	-	-	72,220	3,880,224	51,277	4,003,721
	%	-	-	-	-	-	-	-	-	-	-	1.80	96.92	1.28	100.00
Oromia	No %	-	-	2,247	-	-	-	-	-	-	-	49,380	5,537,945	30,023	5,619,595
	%	-	-	.04	-	-	-	-	-	-	-	.88	98.55	.53	100.00
Somale	No %	-	-	-	-	-	-	-	-	-	-	2,697	746,781	28,370	777,848
	%	-	-	-	-	-	-	-	-	-	-	.35	96.01	3.65	100.00
Benshangul-Gumuz	No %	-	-	-	-	-	-	-	-	-	-	905	168,500	3,300	172,705
	%	-	-	-	-	-	-	-	-	-	-	.52	97.57	1.91	100.00
S.N.N.P	No %	-	-	-	-	-	-	-	-	-	-	18,067	2,917,275	27,405	2,962,747
	%	-	-	-	-	-	-	-	-	-	-	.61	98.47	.92	100.00
Gambela	No %	-	-	90	-	-	-	-	-	-	-	368	50,331	1,724	52,513
	%	-	-	.17	-	-	-	-	-	-	-	.70	95.84	3.28	100.00
Harari	No %	-	-	-	-	-	-	-	-	-	-	207	19,583	69	19,859
	%	-	-	-	-	-	-	-	-	-	-	1.04	98.61	.35	100.00
Dire Dawa	No %	-	-	-	-	-	-	-	-	-	-	510	28,568	306	29,384
	%	-	-	-	-	-	-	-	-	-	-	1.74	97.22	1.04	100.00

Table 8.8(c): Distribution of Households by Change in Type of Cooking Fuel and Region - Urban - 2016

		Change in Source of Light Energy (Now & 12 months ago)											
From Region	Firewood to No %	From Dung/Saw Collected Electricity	Purchased Kerosine to Electricity	From Electricity to Firewood	From Gas to Electricity	From Other Firewood	From Electricity to Kerosine	From No Kerosine	Butane House- Changes	Changes	New holds	Total	
		Country Level	No %	191 -	27,366 .59	512 .01	1,817 .04	6,406 .14	623 .01	- 150,574 - 3.23	4,153,175 89.09	318,734 6.84	4,661,955 100.00
Tigray	No %	-	5,428 1.52	-	-	965 .27	-	- 12,507 - 3.50	323,766 90.72	14,065 3.94	356,894 100.00		
Afar	No %	-	-	-	-	-	-	- 2,873 - 3.10	81,612 88.18	8,068 8.72	92,553 100.00		
Amhara	No %	-	11,297 1.10	382 .04	766 .07	2,548 .25	422 .04	- 43,529 - 4.23	905,801 88.12	62,160 6.05	1,027,915 100.00		
Oromia	No %	-	2,743 .21	-	-	1,307 .10	-	- 43,254 - 3.26	1,177,117 88.79	100,690 7.60	1,325,680 100.00		
Somale	No %	-	-	-	-	-	-	- 1,637 - 1.11	130,774 88.89	14,703 9.99	147,114 100.00		
Benshangul-Gumuz	No %	-	31 .05	-	-	-	-	- 1,864 - 3.16	53,037 89.84	4,104 6.95	59,036 100.00		
S.N.N.P	No %	-	4,626 .68	-	-	1,215 .18	-	- 21,707 - 3.19	597,608 87.90	54,078 7.95	679,910 100.00		
Gambela	No %	-	-	-	-	-	-	- 1,333 - 4.03	27,523 83.23	4,211 12.73	33,067 100.00		
Harari	No %	53 .14	98 .25	130 .33	229 .59	-	201 .52	- 2,618 - 6.73	34,112 87.67	1,467 3.77	38,908 100.00		
Addis Ababa	No %	138 .02	3,145 .38	-	498 .06	371 .04	-	- 16,327 - 1.97	757,727 91.22	52,356 6.30	830,700 100.00		
Dire Dawa	No %	-	-	-	324 .46	-	-	- 2,924 - 4.17	64,096 91.34	2,830 4.03	70,174 100.00		

Table 8.9(a): Distribution of Households by Change in Type of Cooking Fuel and Region - Total - 2016

		Change in Source of Light Energy (Now & 5 Years Ago)												New	
Region	Level	From	From	Collected	Purchased	From	From	Electr-	From	From	House-	holds	Total		
		Dung/Saw	Dung/Saw	Electricity	Firewood	Kerosine	Electricity	Gas to	Electr-	Butane					No
		Kerosine	Electricity	Electricity	Firewood	Electricity	Firewood	Kerosine	Kerosine	Other	Changes	Changes			
Country	Level	No 138 % -	1,070 .01	16,753 .09	110,812 .57	13,722 .07	7,693 .04	9,391 .05	1,261 .01	-	679,779 3.50	16,786,256 86.53	1,772,286 9.14	19,399,161 100.00	
Tigray		No - % -	618 .05	6,190 .52	24,101 2.03	1,062 .09	498 .04	3,360 .28	-	-	58,997 4.98	941,869 79.45	148,848 12.56	1,185,543 100.00	
Afar		No - % -	-	73 .02	265 .07	1,408 .39	-	-	-	-	6,863 1.89	324,744 89.53	29,386 8.10	362,739 100.00	
Amhara		No - % -	-	4,593 .09	40,528 .81	4,468 .09	2,734 .05	2,150 .04	422 .01	-	214,506 4.26	4,207,097 83.61	555,139 11.03	5,031,637 100.00	
Oromia		No - % -	-	2,184 .03	16,603 .24	4,770 .07	670 .01	1,525 .02	-	-	211,944 3.05	6,121,409 88.14	586,171 8.44	6,945,276 100.00	
Somale		No - % -	-	-	-	-	-	-	-	-	17,299 1.87	844,914 91.35	62,749 6.78	924,962 100.00	
Benshangul-Gumuz		No - % -	-	-	105 .05	411 .18	-	-	-	-	5,707 2.46	192,665 83.14	32,854 14.18	231,742 100.00	
S.N.N.P		No - % -	-	2,233 .06	15,563 .43	1,246 .03	63	1,799 .05	-	-	98,851 2.71	3,296,324 90.49	226,578 6.22	3,642,657 100.00	
Gambela		No - % -	-	-	-	228 .27	-	-	-	-	4,613 5.39	67,787 79.21	12,953 15.14	85,581 100.00	
Harari		No 138 % .23	-	167 .22	248 1.72	130	1,013	-	-	-	9,928 16.89	38,947 66.27	8,196 13.95	58,767 100.00	
Addis Ababa		No - % -	452 .05	1,313 .16	12,342 1.49	-	2,147 .26	556 .07	839 .10	-	42,360 5.10	673,903 81.12	96,787 11.65	830,699 100.00	
Dire Dawa		No - % -	-	-	1,056 1.06	-	567 .57	-	-	-	8,710 8.75	76,598 76.94	12,627 12.68	99,558 100.00	

Table 8.9(b): Distribution of Households by Change in Type of Cooking Fuel and Region - Rural - 2016

		Change in Source of Light Energy (Now & 5 Years Ago)															
Region	From Dung/Saw to Firewood Kerosine	From Dung/Saw to Electricity	From Collected Electricity	From Purchased Firewood Kerosine	From Kerosine to Purchased Electricity	From Electricity to Firewood	From Electricity to Gas	From Electricity to Other Kerosine	From Electricity to Other Kerosine	From Electricity to Other Kerosine	From Electricity to Other Kerosine	From Electricity to Other Kerosine	From Electricity to Other Kerosine	New Total			
															No	%	No
Country Level	No	-	618	3,610	3,066	13,054	-	2,167	-	-	342,296	13,491,950	880,445	14,737,206			
	%	-	.02	.02	.09	-	.01	-	-	2.32	91.55	5.97	100.00				
Tigray	No	-	618	3,610	3,066	1,062	-	2,167	-	-	35,601	706,304	76,219	828,647			
	%	-	.07	.44	.37	.13	-	.26	-	-	4.30	85.24	9.20	100.00			
Afar	No	-	-	-	-	1,408	-	-	-	-	2,359	257,499	8,920	270,186			
	%	-	-	-	-	.52	-	-	-	-	.87	95.30	3.30	100.00			
Amhara	No	-	-	-	-	4,086	-	-	-	-	128,308	3,555,189	316,139	4,003,722			
	%	-	-	-	-	.10	-	-	-	-	3.20	88.80	7.90	100.00			
Oromia	No	-	-	-	-	4,770	-	-	-	-	123,710	5,177,472	313,643	5,619,595			
	%	-	-	-	-	.08	-	-	-	-	2.20	92.13	5.58	100.00			
Somale	No	-	-	-	-	-	-	-	-	-	4,028	731,755	42,064	777,847			
	%	-	-	-	-	-	-	-	-	-	.52	94.07	5.41	100.00			
Benshangul-Gumuz	No	-	-	-	-	301	-	-	-	-	1,503	155,012	15,890	172,706			
	%	-	-	-	-	.17	-	-	-	-	.87	89.75	9.20	100.00			
S.N.N.P	No	-	-	-	-	1,246	-	-	-	-	44,415	2,816,194	100,892	2,962,747			
	%	-	-	-	-	.04	-	-	-	-	1.50	95.05	3.41	100.00			
Gambela	No	-	-	-	-	181	-	-	-	-	1,824	46,057	4,450	52,512			
	%	-	-	-	-	.34	-	-	-	-	3.47	87.71	8.47	100.00			
Harari	No	-	-	-	-	-	-	-	-	-	138	19,027	694	19,859			
	%	-	-	-	-	-	-	-	-	-	.69	95.81	3.49	100.00			
Dire Dawa	No	-	-	-	-	-	-	-	-	-	409	27,440	1,534	29,383			
	%	-	-	-	-	-	-	-	-	-	1.39	93.39	5.22	100.00			

Table 8.9(c): Distribution of Households by Change in Type of Cooking Fuel and Region - Urban - 2016

Change in Source of Light Energy (Now & 5 Years Ago)																										
Region	From Dung/Saw to Kerosine		From Dung/Saw to Electricity		Purchased Firewood to Kerosine		From Purchased Firewood to Electricity		Electricity to Gas		From Electricity to Other Kerosine		From Butane No Changes		House-Changes	holds	New Total									
	No	%	No	%	No	%	No	%	No	%	No	%	No	%												
Country Level	138	-	452	.01	13,142	.28	107,746	2.31	668	.01	7,693	.17	7,224	.15	1,261	.03	-	-	337,484	7.24	3,294,306	70.66	891,841	19.13	4,661,955	100.00
Tigray	-	-	-	-	2,579	.72	21,035	5.89	-	-	498	.14	1,193	.33	-	-	-	-	23,396	6.56	235,564	66.00	72,628	20.35	356,893	100.00
Afar	-	-	-	-	73	.08	265	.29	-	-	-	-	-	-	-	-	-	-	4,504	4.87	67,245	72.66	20,466	22.11	92,553	100.00
Amhara	-	-	-	-	4,593	.45	40,528	3.94	382	.04	2,734	.27	2,150	.21	422	.04	-	-	86,198	8.39	651,908	63.42	239,000	23.25	1,027,915	100.00
Oromia	-	-	-	-	2,184	.16	16,603	1.25	-	-	670	.05	1,525	.12	-	-	-	-	88,235	6.66	943,936	71.20	272,528	20.56	1,325,681	100.00
Somale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,271	9.02	113,158	76.92	20,685	14.06	147,114	100.00
Benshangul-Gumuz	-	-	-	-	-	-	105	.18	110	.19	-	-	-	-	-	-	-	-	4,205	7.12	37,652	63.78	16,964	28.74	59,036	100.00
S.N.N.P	-	-	-	-	2,233	.33	15,563	2.29	-	-	63	.01	1,799	.26	-	-	-	-	54,436	8.01	480,130	70.62	125,686	18.49	679,910	100.00
Gambela	-	-	-	-	-	-	-	-	47	.14	-	-	-	-	-	-	-	-	2,789	8.43	21,730	65.71	8,502	25.71	33,068	100.00
Harari	138	.35	-	.43	167	.33	248	2.60	130	-	1,013	-	-	-	-	-	-	9,790	51.20	19,920	19.28	7,502	100.00	38,908		
Addis Ababa	-	-	452	.05	1,313	.16	12,342	1.49	-	-	2,147	.26	556	.07	839	.10	-	-	42,360	5.10	673,903	81.12	96,787	11.65	830,699	100.00
Dire Dawa	-	-	-	-	-	-	1,056	1.50	-	-	567	.81	-	-	-	-	-	-	8,301	11.83	49,158	70.05	11,093	15.81	70,175	100.00

Table 8.10(a): Distribution of Households by Type of Toilet Facility and Region - Total - 2016

		Toilet Facility						
Region		Flash Toilet	Pit Latrine	Bucket/ Container	Field/ Forest	Others	Not Stated	Total
Country Level	No	634,776	12,837,949	5,032	5,896,565	23,116	1,722	19,399,160
	%	3.27	66.18	.03	30.40	.12	.01	100.00
Tigray	No	102,123	544,489	778	535,637	1,695	822	1,185,544
	%	8.61	45.93	.07	45.18	.14	.07	100.00
Afar	No	1,067	105,924	-	255,258	491	-	362,740
	%	.29	29.20	-	70.37	.14	-	100.00
Amhara	No	50,764	2,983,688	883	1,989,921	6,164	216	5,031,636
	%	1.01	59.30	.02	39.55	.12	-	100.00
Oromia	No	35,143	4,921,311	562	1,979,434	8,625	200	6,945,275
	%	.51	70.86	.01	28.50	.12	-	100.00
Somale	No	3,490	295,243	346	625,361	418	105	924,963
	%	.38	31.92	.04	67.61	.05	.01	100.00
Benshangul-Gumuz	No	362	197,653	31	33,533	163	-	231,742
	%	.16	85.29	.01	14.47	.07	-	100.00
S.N.N.P	No	202,748	3,046,524	345	390,020	3,020	-	3,642,657
	%	5.57	83.63	.01	10.71	.08	-	100.00
Gambela	No	461	45,622	-	39,418	78	-	85,579
	%	.54	53.31	-	46.06	.09	-	100.00
Harari	No	2,064	46,108	440	10,077	78	-	58,767
	%	3.51	78.46	.75	17.15	.13	-	100.00
Addis Ababa	No	230,224	582,650	1,648	14,275	1,524	379	830,700
	%	27.71	70.14	.20	1.72	.18	.05	100.00
Dire Dawa	No	6,330	68,736	-	23,632	861	-	99,559
	%	6.36	69.04	-	23.74	.86	-	100.00

Table 8.10(b): Distribution of Households by Type of Toilet Facility and Region - Rural - 2016

		Toilet Facility						
Region		Flash Toilet	Pit Latrine	Bucket/ Container	Field/ Forest	Others	Not Stated	Total
Country Level	No	157,389	9,063,895	636	5,505,600	8,864	822	14,737,206
	%	1.07	61.50	-	37.36	.06	.01	100.00
Tigray	No	3,211	363,125	568	460,923	-	822	828,649
	%	.39	43.82	.07	55.62	-	.10	100.00
Afar	No	474	42,287	-	226,951	473	-	270,185
	%	.18	15.65	-	84.00	.18	-	100.00
Amhara	No	3,144	2,160,181	-	1,838,567	1,829	-	4,003,721
	%	.08	53.95	-	45.92	.05	-	100.00
Oromia	No	7,347	3,708,393	-	1,898,729	5,126	-	5,619,595
	%	.13	65.99	-	33.79	.09	-	100.00
Somale	No	-	165,831	-	612,016	-	-	777,847
	%	-	21.32	-	78.68	-	-	100.00
Benshangul-Gumuz	No	299	142,159	-	30,247	-	-	172,705
	%	.17	82.31	-	17.51	-	-	100.00
S.N.N.P	No	142,914	2,437,117	-	381,281	1,436	-	2,962,748
	%	4.82	82.26	-	12.87	.05	-	100.00
Gambela	No	-	23,616	-	28,897	-	-	52,513
	%	-	44.97	-	55.03	-	-	100.00
Harari	No	-	11,504	69	8,286	-	-	19,859
	%	-	57.93	.35	41.72	-	-	100.00
Dire Dawa	No	-	9,682	-	19,702	-	-	29,384
	%	-	32.95	-	67.05	-	-	100.00

Table 8.10(c): Distribution of Households by Type of Toilet Facility and Region - Urban - 2016

		Toilet Facility						
Region		Flash Toilet	Pit Latrine	Bucket/ Container	Field/ Forest	Others	Not Stated	Total
Country Level	No	477,387	3,774,055	4,396	390,965	14,252	901	4,661,956
	%	10.24	80.95	.09	8.39	.31	.02	100.00
Tigray	No	181,364	210	74,714	1,695	-	356,894	
	%	27.71	50.82	.06	20.93	.47	-	100.00
Afar	No	593	63,637	-	28,306	18	-	92,554
	%	.64	68.76	-	30.58	.02	-	100.00
Amhara	No	823,508	883	151,354	4,334	216	1,027,915	
	%	4.63	80.11	.09	14.72	.42	.02	100.00
Oromia	No	1,212,918	562	80,705	3,499	200	1,325,681	
	%	2.10	91.49	.04	6.09	.26	.02	100.00
Somale	No	3,490	129,411	346	13,345	418	105	147,115
	%	2.37	87.97	.24	9.07	.28	.07	100.00
Benshangul-Gumuz	No	63	55,494	31	3,286	163	-	59,037
	%	.11	94.00	.05	5.57	.28	-	100.00
S.N.N.P	No	59,834	609,408	345	8,739	1,585	-	679,911
	%	8.80	89.63	.05	1.29	.23	-	100.00
Gambela	No	461	22,007	-	10,521	78	-	33,067
	%	1.39	66.55	-	31.82	.24	-	100.00
Harari	No	2,064	34,604	371	1,791	78	-	38,908
	%	5.30	88.94	.95	4.60	.20	-	100.00
Addis Ababa	No	230,224	582,650	1,648	14,275	1,524	379	830,700
	%	27.71	70.14	.20	1.72	.18	.05	100.00
Dire Dawa	No	6,330	59,054	-	3,930	861	-	70,175
	%	9.02	84.15	-	5.60	1.23	-	100.00

Table 8.11(a): Distribution of Households by Change of Toilet Facility and Region - Total - 2016

Region	Change in Toilet Facility (Now & 12 months ago)								Total
	From Flash Toilet to Pit Latrine	From Field/Forest to Pit Latrine	From Pit Latrine to Flash Toilet	From Pit Latrine to Field/Forest	Other Changes	No Changes	New Households		
Country Level	No %	3,945 .02	238,576 1.23	25,394 .13	654,903 3.38	235,810 1.22	17,766,720 91.58	473,812 2.44	19,399,160 100.00
Tigray	No %	689 .06	15,061 1.27	4,375 .37	81,808 6.90	22,423 1.89	1,039,680 87.70	21,506 1.81	1,185,542 100.00
Afar	No %	- -	5,036 1.39	73 .02	5,018 1.38	3,550 .98	335,832 92.58	13,230 3.65	362,739 100.00
Amhara	No %	883 .02	94,025 1.87	13,928 .28	381,405 7.58	81,917 1.63	4,346,042 86.37	113,437 2.25	5,031,637 100.00
Oromia	No %	85 -	94,033 1.35	1,787 .03	149,842 2.16	66,940 .96	6,501,875 93.62	130,714 1.88	6,945,276 100.00
Somale	No %	- -	2,937 .32	56 .01	- -	4,100 .44	874,796 94.58	43,073 4.66	924,962 100.00
Benshangul-Gumuz	No %	- -	2,428 1.05	331 .14	7,593 3.28	5,040 2.17	208,945 90.16	7,405 3.20	231,742 100.00
S.N.N.P	No %	336 .01	22,668 .62	615 .02	25,848 .71	39,463 1.08	3,472,245 95.32	81,483 2.24	3,642,658 100.00
Gambela	No %	39 .05	412 .48	73 .09	1,116 1.30	907 1.06	77,098 90.09	5,935 6.94	85,580 100.00
Harari	No %	61 .10	549 .93	220 .37	1,514 2.58	1,251 2.13	53,635 91.27	1,537 2.62	58,767 100.00
Addis Ababa	No %	1,621 .20	599 .07	2,965 .36	425 .05	7,975 .96	764,759 92.06	52,356 6.30	830,700 100.00
Dire Dawa	No %	232 .23	830 .83	970 .97	334 .34	2,245 2.25	91,812 92.22	3,136 3.15	99,559 100.00

Table 8.11(b): Distribution of Households by Change of Toilet Facility and Region - Rural - 2016

Change in Toilet Facility (Now & 12 months ago)									
Region	From Flash Toilet to Pit	From Flash Toilet to Latrine	From Field/Forest to Pit Latrine	From Pit Latrine to Flash Toilet	From Pit Latrine to Field/Forest	Other Changes	No Changes	New Households	Total
Country Level	No	-	213,260	299	603,223	102,971	13,662,373	155,078	14,737,204
	%	-	1.45	-	4.09	.70	92.71	1.05	100.00
Tigray	No	-	9,036	-	68,798	8,149	735,224	7,442	828,649
	%	-	1.09	-	8.30	.98	88.73	.90	100.00
Afar	No	-	4,693	-	4,227	473	255,630	5,162	270,185
	%	-	1.74	-	1.56	.18	94.61	1.91	100.00
Amhara	No	-	82,795	-	356,412	38,379	3,474,858	51,277	4,003,721
	%	-	2.07	-	8.90	.96	86.79	1.28	100.00
Oromia	No	-	89,390	-	140,282	31,257	5,328,642	30,023	5,619,594
	%	-	1.59	-	2.50	.56	94.82	.53	100.00
Somale	No	-	2,679	-	-	2,720	744,078	28,370	777,847
	%	-	.34	-	-	.35	95.66	3.65	100.00
Benshangul-Gumuz	No	-	2,397	299	7,210	1,799	157,699	3,300	172,704
	%	-	1.39	.17	4.17	1.04	91.31	1.91	100.00
S.N.N.P	No	-	21,214	-	24,722	19,200	2,870,207	27,405	2,962,748
	%	-	.72	-	.83	.65	96.88	.92	100.00
Gambela	No	-	-	-	366	276	50,146	1,724	52,512
	%	-	-	-	.70	.53	95.49	3.28	100.00
Harari	No	-	549	-	1,104	207	17,930	69	19,859
	%	-	2.76	-	5.56	1.04	90.29	.35	100.00
Dire Dawa	No	-	508	-	102	510	27,958	306	29,384
	%	-	1.73	-	.35	1.74	95.15	1.04	100.00

Table 8.11(c): Distribution of Households by Change of Toilet Facility and Region - Urban - 2016

Change in Toilet Facility (Now & 12 months ago)										
Region		From Field/					Other	No	New	Total
		From Flash Toilet to Pit Latrine	Forest toPit Latrine	From Pit to Flash Toilet	From Pit to Field/ Forest	Latrine				
Country Level	No	3,945	25,316	25,095	51,680	132,839	4,104,347	318,734	4,661,956	
	%	.08	.54	.54	1.11	2.85	88.04	6.84	100.00	
Tigray	No	689	6,025	4,375	13,011	14,274	304,456	14,065	356,895	
	%	.19	1.69	1.23	3.65	4.00	85.31	3.94	100.00	
Afar	No	-	343	73	790	3,078	80,202	8,068	92,554	
	%	-	.37	.08	.85	3.33	86.65	8.72	100.00	
Amhara	No	883	11,230	13,928	24,993	43,537	871,184	62,160	1,027,915	
	%	.09	1.09	1.35	2.43	4.24	84.75	6.05	100.00	
Oromia	No	85	4,643	1,787	9,559	35,683	1,173,233	100,690	1,325,680	
	%	.01	.35	.13	.72	2.69	88.50	7.60	100.00	
Somale	No	-	258	56	-	1,380	130,718	14,703	147,115	
	%	-	.18	.04	-	.94	88.85	9.99	100.00	
Benshangul-Gumuz	No	-	31	32	383	3,241	51,246	4,104	59,037	
	%	-	.05	.05	.65	5.49	86.80	6.95	100.00	
S.N.N.P	No	336	1,454	615	1,126	20,263	602,038	54,078	679,910	
	%	.05	.21	.09	.17	2.98	88.55	7.95	100.00	
Gambela	No	39	412	73	750	630	26,952	4,211	33,067	
	%	.12	1.25	.22	2.27	1.91	81.51	12.73	100.00	
Harari	No	61	-	220	410	1,044	35,705	1,467	38,907	
	%	.16	-	.57	1.05	2.68	91.77	3.77	100.00	
Addis Ababa	No	1,621	599	2,965	425	7,975	764,759	52,356	830,700	
	%	.20	.07	.36	.05	.96	92.06	6.30	100.00	
Dire Dawa	No	232	322	970	232	1,734	63,854	2,830	70,174	
	%	.33	.46	1.38	.33	2.47	90.99	4.03	100.00	

Table 8.12(a): Distribution of Households by Change of Toilet Facility and Region - Total - 2016

		Change in Toilet Facility (Now & 5 Years Ago)								
Region		From Flash	From Field/	From Pit	From Pit	Other	No	New	Total	
		Toilet to	Forest	Latrine	Latrine					
		Pit Latrine	to Pit Latrine	to Flash Toilet	to Field/ Forest	Changes	Changes	Households		
Country Level		No 15,893 % .08	1,509,735 7.78	39,455 .20	623,465 3.21	489,436 2.52	14,948,890 77.06	1,772,286 9.14	19,399,160 100.00	
Tigray	No 2,187 %	83,250 .18	6,501 7.02	107,498 .55	28,924 9.07	808,334 2.44	148,848 68.18	1,185,542 12.56	100.00	
Afar	No %	- -	20,953 5.78	220 .06	5,917 1.63	6,531 1.80	299,733 82.63	29,386 8.10	362,740 100.00	
Amhara	No 6,165 %	676,202 .12	12,569 13.44	287,651 .25	152,161 5.72	3,341,749 3.02	555,139 66.41	5,031,636 11.03	100.00	
Oromia	No 1,008 %	527,251 .01	4,775 7.59	167,799 .07	149,229 2.42	5,509,043 2.15	586,171 79.32	6,945,276 8.44	100.00	
Somale	No %	- -	45,784 4.95	56 .01	145 .02	7,214 .78	809,014 87.46	62,749 6.78	924,962 100.00	
Benshangul-Gumuz	No %	31 .01	18,447 7.96	362 .16	7,591 3.28	11,540 4.98	160,916 69.44	32,854 14.18	231,741 100.00	
S.N.N.P	No %	1,805 .05	129,148 3.55	1,345 .04	41,750 1.15	93,649 2.57	3,148,384 86.43	226,578 6.22	3,642,659 100.00	
Gambela	No %	78 .09	2,895 3.38	73 .09	2,582 3.02	2,798 3.27	64,201 75.02	12,953 15.14	85,580 100.00	
Harari	No %	160 .27	1,981 3.37	1,172 1.99	1,510 2.57	3,065 5.22	42,683 72.63	8,196 13.95	58,767 100.00	
Addis Ababa	No %	4,228 .51	1,950 .23	11,929 1.44	686 .08	27,211 3.28	687,909 82.81	96,787 11.65	830,700 100.00	
Dire Dawa	No %	232 .23	1,876 1.88	452 .45	334 .34	7,113 7.14	76,924 77.27	12,627 12.68	99,558 100.00	

Table 8.12(b): Distribution of Households by Change of Toilet Facility and Region - Rural - 2016

Change in Toilet Facility (Now & 5 Years Ago)										
Region		From Flash Toilet to Pit Latrine		From Field/Forest to Pit Latrine		From Pit Latrine to Field/Forest		Other Changes	No New Households	Total
		No	%	No	%	No	%			
Country Level		No	3,475	1,392,533	299	561,479	197,863	11,701,112	880,445	14,737,206
		%	.02	9.45	-	3.81	1.34	79.40	5.97	100.00
Tigray	No 1,236	69,627	-	90,192	9,115	582,259	76,219	828,648		
		%	.15	8.40	-	10.88	1.10	70.27	9.20	100.00
Afar	No	-	17,830	-	4,228	1,406	237,801	8,920	270,185	
	%	-	6.60	-	1.56	.52	88.01	3.30	100.00	
Amhara	No 2,239	626,594	-	262,189	69,396	2,727,163	316,139	4,003,720		
		%	.06	15.65	-	6.55	1.73	68.12	7.90	100.00
Oromia	No	-	509,884	-	155,274	66,020	4,574,774	313,643	5,619,595	
	%	-	9.07	-	2.76	1.17	81.41	5.58	100.00	
Somale	No	-	26,828	-	-	4,078	704,878	42,064	777,848	
	%	-	3.45	-	-	.52	90.62	5.41	100.00	
Benshangul-Gumuz	No	-	16,806	299	7,208	5,392	127,110	15,890	172,705	
	%	-	9.73	.17	4.17	3.12	73.60	9.20	100.00	
S.N.N.P	No	-	119,853	-	40,083	40,363	2,661,556	100,892	2,962,747	
	%	-	4.05	-	1.35	1.36	89.83	3.41	100.00	
Gambela	No	-	2,267	-	1,101	1,546	43,148	4,450	52,512	
	%	-	4.32	-	2.10	2.94	82.17	8.47	100.00	
Harari	No	-	1,927	-	1,100	138	16,000	694	19,859	
	%	-	9.70	-	5.54	.69	80.57	3.49	100.00	
Dire Dawa	No	-	916	-	102	409	26,423	1,534	29,384	
	%	-	3.12	-	.35	1.39	89.92	5.22	100.00	

Table 8.12(c): Distribution of Households by Change of Toilet Facility and Region - Urban - 2016

Change in Toilet Facility (Now & 5 Years Ago)									

Region	From Flash Toilet to Pit Latrine		From Field/ Forest to Pit Latrine	From Pit Latrine to Flash Toilet	From Pit Latrine to Field/ Forest	Other Changes	No Changes	New Households	Total
	No	%	No	No	No	No	No		
Country Level	12,418	.27	117,202	39,156	61,986	291,573	3,247,779	891,841	4,661,955
			2.51	.84	1.33	6.25	69.67	19.13	100.00
Tigray	951	.27	13,623	6,501	17,306	19,809	226,075	72,628	356,893
			3.82	1.82	4.85	5.55	63.35	20.35	100.00
Afar	-	-	3,123	220	1,689	5,125	61,932	20,466	92,555
			3.37	.24	1.82	5.54	66.91	22.11	100.00
Amhara	3,926	.38	12,569	25,462	82,765	614,586	239,000	1,027,916	
			4.83	1.22	2.48	8.05	59.79	23.25	100.00
Oromia	1,008	.08	4,775	12,525	83,209	934,269	272,528	1,325,680	
			1.31	.36	.94	6.28	70.47	20.56	100.00
Somale	-	-	18,956	56	145	3,137	104,136	20,685	147,115
			12.89	.04	.10	2.13	70.79	14.06	100.00
Benshangul-Gumuz	31	.05	1,641	63	383	6,148	33,806	16,964	59,036
			2.78	.11	.65	10.41	57.26	28.74	100.00
S.N.N.P	1,805	.27	9,295	1,345	1,667	53,285	486,827	125,686	679,910
			1.37	.20	.25	7.84	71.60	18.49	100.00
Gambela	78	.24	628	73	1,481	1,252	21,053	8,502	33,067
			1.90	.22	4.48	3.79	63.67	25.71	100.00
Harari	160	.41	53	1,172	410	2,927	26,684	7,502	38,908
			.14	3.01	1.05	7.52	68.58	19.28	100.00
Addis Ababa	4,228	.51	1,950	11,929	686	27,211	687,909	96,787	830,700
			.23	1.44	.08	3.28	82.81	11.65	100.00
Dire Dawa	232	.33	960	452	232	6,705	50,502	11,093	70,176
			1.37	.64	.33	9.55	71.96	15.81	100.00

Table 8.13(a): Distribution of Households by Type of Waste Disposal Facility and Region - Total - 2016

Region	Waste Disposal Facility									Total
	Waste Disposable Vehicle	Waste Disposable Container	Dug-out	Throw away	Use as Fertilizer	Burning the Waste	Others	Not Stated		
Country Level	No %	1,990,271 10.26	231,864 1.20	1,625,369 8.38	6,209,518 32.01	6,794,177 35.02	2,453,673 12.65	90,981 .47	3,308 .02	19,399,161 100.00
Tigray	No %	236,817 19.98	6,919 .58	154,326 13.02	492,933 41.58	290,160 24.47	3,567 .30	- -	822 .07	1,185,544 100.00
Afar	No %	26,821 7.39	2,616 .72	7,164 1.97	250,283 69.00	2,497 .69	73,358 20.22	- -	- -	362,739 100.00
Amhara	No %	398,538 7.92	57,020 1.13	321,373 6.39	1,747,733 34.73	2,100,587 41.75	401,757 7.98	2,827 .06	1,802 .04	5,031,637 100.00
Oromia	No %	296,724 4.27	77,402 1.11	437,651 6.30	2,109,735 30.38	2,907,332 41.86	1,115,620 16.06	614 .01	200 -	6,945,278 100.00
Somale	No %	44,645 4.83	3,923 .42	26,919 2.91	535,214 57.86	11,858 1.28	302,299 32.68	- -	105 .01	924,963 100.00
Benshangul-Gumuz	No %	7,897 3.41	2,307 1.00	46,668 20.14	127,896 55.19	29,476 12.72	17,497 7.55	- -	- -	231,741 100.00
S.N.N.P	No %	154,092 4.23	54,886 1.51	611,188 16.78	855,105 23.47	1,382,662 37.96	497,867 13.67	86,856 2.38	- -	3,642,656 100.00
Gambela	No %	5,373 6.28	2,215 2.59	15,816 18.48	28,916 33.79	5,912 6.91	27,347 31.96	- -	- -	85,579 100.00
Harari	No %	21,354 36.34	8,157 13.88	1,738 2.96	3,717 6.33	19,994 34.02	3,805 6.47	- -	- -	58,765 100.00
Addis Ababa	No %	738,345 88.88	16,010 1.93	2,102 .25	24,863 2.99	43,698 5.26	4,620 .56	684 .08	379 .05	830,701 100.00
Dire Dawa	No %	59,665 59.93	410 .41	423 .42	33,123 33.27	- -	5,937 5.96	- -	- -	99,558 100.00

Table 8.13(b): Distribution of Households by Type of Waste Disposal Facility and Region - Rural - 2016

Region	Waste Disposal Facility									Total
	Waste Disposable Vehicle	Waste Disposable Container	Dug-out	Throw away	Use as Fertilizer	Burning the Waste	Others	Not Stated		
Country Level	No %	58,112 .39	80,106 .54	1,090,129 7.40	5,241,868 35.57	6,617,190 44.90	1,558,319 10.57	89,076 .60	2,407 .02	14,737,207 100.00
Tigray	No %	1,984 .24	5,129 .62	143,674 17.34	395,727 47.76	280,111 33.80	1,202 .15	- -	822 .10	828,649 100.00
Afar	No %	938 .35	2,353 .87	5,632 2.08	225,056 83.30	936 .35	35,270 13.05	- -	- -	270,185 100.00
Amhara	No %	19,957 .50	20,492 .51	228,988 5.72	1,405,356 35.10	2,072,252 51.76	252,870 6.32	2,220 .06	1,585 .04	4,003,720 100.00
Oromia	No %	15,045 .27	37,715 .67	240,001 4.27	1,792,610 31.90	2,863,555 50.96	670,669 11.93	- -	- -	5,619,595 100.00
Somale	No %	2,722 .35	2,718 .35	24,315 3.13	485,587 62.43	10,850 1.39	251,654 32.35	- -	- -	777,846 100.00
Benshangul-Gumuz	No %	- -	1,800 1.04	28,141 16.29	104,395 60.45	28,203 16.33	10,166 5.89	- -	- -	172,705 100.00
S.N.N.P	No %	16,250 .55	7,525 .25	409,281 13.81	782,914 26.43	1,337,379 45.14	322,543 10.89	86,856 2.93	- -	2,962,748 100.00
Gambela	No %	91 .17	1,994 3.80	9,752 18.57	21,716 41.35	5,493 10.46	13,467 25.65	- -	- -	52,513 100.00
Harari	No %	207 1.04	277 1.39	344 1.73	345 1.74	18,411 92.70	276 1.39	- -	- -	19,860 100.00
Dire Dawa	No %	917 3.12	103 .35	- -	28,163 95.84	- -	202 .69	- -	- -	29,385 100.00

Table 8.13(c): Distribution of Households by Type of Waste Disposal Facility and Region - Urban - 2016

Region	Waste Disposal Facility									Total
	Waste Disposable Vehicle	Waste Disposable Container	Dug-out	Throw away	Use as Fertil izer	Burning the Waste	Others	Not Stated		
Country Level	No %	1,932,158 41.45	151,758 3.26	535,241 11.48	967,650 20.76	176,987 3.80	895,355 19.21	1,905 .04	901 .02	4,661,955 100.00
Tigray	No %	234,833 65.80	1,790 .50	10,651 2.98	97,206 27.24	10,049 2.82	2,364 .66	- -	- -	356,893 100.00
Afar	No %	25,883 27.97	263 .28	1,532 1.66	25,226 27.26	1,561 1.69	38,089 41.15	- -	- -	92,554 100.00
Amhara	No %	378,581 36.83	36,528 3.55	92,385 8.99	342,377 33.31	28,334 2.76	148,887 14.48	607 .06	216 .02	1,027,915 100.00
Oromia	No %	281,678 21.25	39,687 2.99	197,650 14.91	317,125 23.92	43,776 3.30	444,951 33.56	614 .05	200 .02	1,325,681 100.00
Somale	No %	41,922 28.50	1,204 .82	2,604 1.77	49,627 33.73	1,008 .69	50,645 34.43	- -	105 .07	147,115 100.00
Benshangul-Gumuz	No %	7,897 13.38	507 .86	18,527 31.38	23,501 39.81	1,274 2.16	7,331 12.42	- -	- -	59,037 100.00
S.N.N.P	No %	137,842 20.27	47,361 6.97	201,908 29.70	72,191 10.62	45,284 6.66	175,324 25.79	- -	- -	679,910 100.00
Gambela	No %	5,282 15.97	220 .67	6,064 18.34	7,201 21.78	419 1.27	13,880 41.98	- -	- -	33,066 100.00
Harari	No %	21,147 54.35	7,880 20.25	1,395 3.59	3,372 8.67	1,584 4.07	3,530 9.07	- -	- -	38,908 100.00
Addis Ababa	No %	738,345 88.88	16,010 1.93	2,102 .25	24,863 2.99	43,698 5.26	4,620 .56	684 .08	379 .05	830,701 100.00
Dire Dawa	No %	58,748 83.72	307 .44	423 .60	4,960 7.07	- -	5,735 8.17	- -	- -	70,173 100.00

Table 8.14(a): Distribution of Households by type of Tenure and Region - Total - 2016

Region		Type of Tenure					Total
		Owned	Rented	Free of Charge or Subsidized	Others	Not Stated	
Country Level	No	15,756,705	2,922,830	651,112	67,721	793	19,399,161
	%	81.22	15.07	3.36	.35	-	100.00
Tigray	No	874,936	257,164	51,817	1,273	352	1,185,542
	%	73.80	21.69	4.37	.11	.03	100.00
Afar	No	286,224	54,170	19,130	3,215	-	362,739
	%	78.91	14.93	5.27	.89	-	100.00
Amhara	No	4,119,836	708,259	196,483	6,843	216	5,031,637
	%	81.88	14.08	3.90	.14	-	100.00
Oromia	No	5,840,760	854,495	224,333	25,488	200	6,945,276
	%	84.10	12.30	3.23	.37	-	100.00
Somale	No	866,262	38,820	16,851	3,030	-	924,963
	%	93.65	4.20	1.82	.33	-	100.00
Benshangul-Gumuz	No	183,545	36,722	9,078	2,396	-	231,741
	%	79.20	15.85	3.92	1.03	-	100.00
S.N.N.P	No	3,183,336	390,557	49,563	19,201	-	3,642,657
	%	87.39	10.72	1.36	.53	-	100.00
Gambela	No	64,935	15,298	5,290	32	25	85,580
	%	75.88	17.88	6.18	.04	.03	100.00
Harari	No	30,602	24,337	3,745	83	-	58,767
	%	52.07	41.41	6.37	.14	-	100.00
Addis Ababa	No	247,511	507,265	69,765	6,159	-	830,700
	%	29.80	61.06	8.40	.74	-	100.00
Dire Dawa	No	58,757	35,745	5,056	-	-	99,558
	%	59.02	35.90	5.08	-	-	100.00

Table 8.14(b): Distribution of Households by type of Tenure and Region - Rural - 2016

Region		Type of Tenure					Total
		Owned	Rented	Free of Charge or Subsidized	Others	Not Stated	
Country Level	No	13,940,377	416,019	344,411	36,048	352	14,737,207
	%	94.59	2.82	2.34	.24	-	100.00
Tigray	No	727,152	69,105	31,108	931	352	828,648
	%	87.75	8.34	3.75	.11	.04	100.00
Afar	No	251,831	5,648	10,815	1,892	-	270,186
	%	93.21	2.09	4.00	.70	-	100.00
Amhara	No	3,739,410	136,254	121,991	6,066	-	4,003,721
	%	93.40	3.40	3.05	.15	-	100.00
Oromia	No	5,342,079	127,591	135,215	14,709	-	5,619,594
	%	95.06	2.27	2.41	.26	-	100.00
Somale	No	760,374	5,403	9,518	2,553	-	777,848
	%	97.75	.69	1.22	.33	-	100.00
Benshangul-Gumuz	No	156,788	6,904	6,906	2,107	-	172,705
	%	90.78	4.00	4.00	1.22	-	100.00
S.N.N.P	No	2,867,545	63,442	23,971	7,789	-	2,962,747
	%	96.79	2.14	.81	.26	-	100.00
Gambela	No	46,944	1,364	4,205	-	-	52,513
	%	89.40	2.60	8.01	-	-	100.00
Harari	No	19,377	207	275	-	-	19,859
	%	97.57	1.04	1.38	-	-	100.00
Dire Dawa	No	28,876	101	407	-	-	29,384
	%	98.27	.34	1.39	-	-	100.00

Table 8.14(c): Distribution of Households by type of Tenure and Region - Urban - 2016

Region		Type of Tenure					Total
		Owned	Rented	Free of Charge or Subsidized	Others	Not Stated	
Country Level	No	1,816,327	2,506,811	306,701	31,673	441	4,661,953
	%	38.96	53.77	6.58	.68	.01	100.00
Tigray	No	147,784	188,059	20,709	342	-	356,894
	%	41.41	52.69	5.80	.10	-	100.00
Afar	No	34,393	48,523	8,315	1,323	-	92,554
	%	37.16	52.43	8.98	1.43	-	100.00
Amhara	No	380,427	572,004	74,492	777	216	1,027,916
	%	37.01	55.65	7.25	.08	.02	100.00
Oromia	No	498,681	726,903	89,118	10,779	200	1,325,681
	%	37.62	54.83	6.72	.81	.02	100.00
Somale	No	105,888	33,417	7,333	477	-	147,115
	%	71.98	22.71	4.98	.32	-	100.00
Benshangul-Gumuz	No	26,757	29,818	2,173	289	-	59,037
	%	45.32	50.51	3.68	.49	-	100.00
S.N.N.P	No	315,791	327,115	25,592	11,412	-	679,910
	%	46.45	48.11	3.76	1.68	-	100.00
Gambela	No	17,991	13,934	1,085	32	25	33,067
	%	54.41	42.14	3.28	.10	.08	100.00
Harari	No	11,225	24,130	3,470	83	-	38,908
	%	28.85	62.02	8.92	.21	-	100.00
Addis Ababa	No	247,511	507,265	69,765	6,159	-	830,700
	%	29.80	61.06	8.40	.74	-	100.00
Dire Dawa	No	29,881	35,643	4,650	-	-	70,174
	%	42.58	50.79	6.63	-	-	100.00

Table 8.15(a): Distribution of Households by Number of Rooms of a Dwelling Unit and Region - Total - 2016

Region		Number of Rooms									Total
		1	2	3	4	5	6	7+	Not Stated		
Country Level	No	9,718,867	6,131,791	2,612,608	672,372	172,530	59,591	27,039	4,362	19,399,160	
	%	50.10	31.61	13.47	3.47	.89	.31	.14	.02	100.00	
Tigray	No	678,471	342,932	119,550	28,818	9,827	3,176	2,416	352	1,185,542	
	%	57.23	28.93	10.08	2.43	.83	.27	.20	.03	100.00	
Afar	No	271,152	75,944	11,360	3,356	37	250	465	176	362,740	
	%	74.75	20.94	3.13	.93	.01	.07	.13	.05	100.00	
Amhara	No	2,939,826	1,618,195	399,796	59,159	6,256	6,839	1,161	407	5,031,639	
	%	58.43	32.16	7.95	1.18	.12	.14	.02	.01	100.00	
Oromia	No	2,660,765	2,755,505	1,120,815	301,794	80,324	20,237	5,636	200	6,945,276	
	%	38.31	39.67	16.14	4.35	1.16	.29	.08	-	100.00	
Somale	No	803,270	99,216	14,855	3,799	1,334	684	1,644	159	924,961	
	%	86.84	10.73	1.61	.41	.14	.07	.18	.02	100.00	
Benshangul-Gumuz	No	156,343	51,560	15,234	5,820	2,175	413	-	196	231,741	
	%	67.46	22.25	6.57	2.51	.94	.18	-	.08	100.00	
S.N.N.P	No	1,725,054	907,385	739,739	202,877	44,936	15,581	5,680	1,405	3,642,657	
	%	47.36	24.91	20.31	5.57	1.23	.43	.16	.04	100.00	
Gambela	No	55,430	17,160	8,180	3,506	882	187	235	-	85,580	
	%	64.77	20.05	9.56	4.10	1.03	.22	.27	-	100.00	
Harari	No	32,485	17,071	5,495	2,283	1,180	92	160	-	58,766	
	%	55.28	29.05	9.35	3.88	2.01	.16	.27	-	100.00	
Addis Ababa	No	331,599	230,501	169,039	56,406	22,331	11,572	7,928	1,324	830,700	
	%	39.92	27.75	20.35	6.79	2.69	1.39	.95	.16	100.00	
Dire Dawa	No	64,473	16,323	8,544	4,553	3,247	559	1,714	145	99,558	
	%	64.76	16.40	8.58	4.57	3.26	.56	1.72	.15	100.00	

Table 8.15(b): Distribution of Households by Number of Rooms of a Dwelling Unit and Region - Rural - 2016

Region	Number of Rooms									Total
		1	2	3	4	5	6	7+	Not Stated	
Country Level	No	7,516,517	4,820,220	1,869,441	411,009	83,029	29,464	6,408	1,118	14,737,206
	%	51.00	32.71	12.69	2.79	.56	.20	.04	.01	100.00
Tigray	No	443,050	267,196	89,275	19,306	5,990	2,359	1,122	352	828,650
	%	53.47	32.24	10.77	2.33	.72	.28	.14	.04	100.00
Afar	No	218,081	46,937	3,294	1,407	-	-	465	-	270,184
	%	80.72	17.37	1.22	.52	-	-	.17	-	100.00
Amhara	No	2,363,855	1,320,138	289,367	28,123	-	2,238	-	-	4,003,721
	%	59.04	32.97	7.23	.70	-	.06	-	-	100.00
Oromia	No	2,110,335	2,344,573	882,730	217,949	46,387	15,098	2,522	-	5,619,594
	%	37.55	41.72	15.71	3.88	.83	.27	.04	-	100.00
Somale	No	717,148	55,290	4,071	-	-	-	1,339	-	777,848
	%	92.20	7.11	.52	-	-	-	.17	-	100.00
Benshangul-Gumuz	No	124,719	35,092	8,992	2,999	903	-	-	-	172,705
	%	72.22	20.32	5.21	1.74	.52	-	-	-	100.00
S.N.N.P	No	1,462,726	733,686	586,537	139,019	29,283	9,768	961	766	2,962,746
	%	49.37	24.76	19.80	4.69	.99	.33	.03	.03	100.00
Gambela	No	35,668	10,644	4,005	1,832	363	-	-	-	52,512
	%	67.92	20.27	7.63	3.49	.69	-	-	-	100.00
Harari	No	13,177	5,646	967	69	-	-	-	-	19,859
	%	66.35	28.43	4.87	.35	-	-	-	-	100.00
Dire Dawa	No	27,757	1,018	203	304	102	-	-	-	29,384
	%	94.46	3.46	.69	1.03	.35	-	-	-	100.00

Table 8.15(c): Distribution of Households by Number of Rooms of a Dwelling Unit and Region - Urban - 2016

Region	Number of Rooms									Total
	1	2	3	4	5	6	7+	Not Stated		
Country Level	No %	2,202,350 47.24	1,311,571 28.13	743,167 15.94	261,363 5.61	89,501 1.92	30,127 .65	20,631 .44	3,244 .07	4,661,954 100.00
Tigray	No %	235,421 65.96	75,736 21.22	30,275 8.48	9,513 2.67	3,837 1.08	817 .23	1,294 .36	-	356,893 100.00
Afar	No %	53,070 57.34	29,007 31.34	8,066 8.71	1,948 2.10	37 .04	250 .27	-	176 .19	92,554 100.00
Amhara	No %	575,971 56.03	298,056 29.00	110,429 10.74	31,036 3.02	6,256 .61	4,601 .45	1,161 .11	407 .04	1,027,917 100.00
Oromia	No %	550,430 41.52	410,931 31.00	238,085 17.96	83,845 6.32	33,937 2.56	5,139 .39	3,115 .23	200 .02	1,325,682 100.00
Somale	No %	86,122 58.54	43,926 29.86	10,784 7.33	3,799 2.58	1,334 .91	684 .46	306 .21	159 .11	147,114 100.00
Benshangul-Gumuz	No %	31,624 53.57	16,468 27.89	6,242 10.57	2,821 4.78	1,273 2.16	413 .70	-	196 .33	59,037 100.00
S.N.N.P	No %	262,328 38.58	173,699 25.55	153,203 22.53	63,858 9.39	15,652 2.30	5,813 .85	4,720 .69	639 .09	679,912 100.00
Gambela	No %	19,761 59.76	6,516 19.71	4,175 12.63	1,674 5.06	519 1.57	187 .57	235 .71	-	33,067 100.00
Harari	No %	19,308 49.63	11,425 29.36	4,528 11.64	2,214 5.69	1,180 3.03	92 .24	160 .41	-	38,907 100.00
Addis Ababa	No %	331,599 39.92	230,501 27.75	169,039 20.35	56,406 6.79	22,331 2.69	11,572 1.39	7,928 .95	1,324 .16	830,700 100.00
Dire Dawa	No %	36,716 52.32	15,305 21.81	8,341 11.89	4,249 6.05	3,145 4.48	559 .80	1,714 2.44	145 .21	70,174 100.00

Table 8.16(a): Distribution of Households by Construction Material of Wall in a Dwelling Unit and Region - Total - 2016

and Region	Reed/	Construction Material of Wall											Total
		Mud and Wood	Wood and Plaster	Wood Thatch	Unplaster Bamboo	Bricks Stone	Cement Iron Stone	Blocks red	Blocks Not red	Corrugated Sheet	Others	Stated	
Country Level	No	15,592,412	767,672	246,612	1,225,442	256,569	431,750	30,386	82,820	600,603	163,405	1,490	19,399,161
	%	80.38	3.96	1.27	6.32	1.32	2.23	.16	.43	3.10	.84	.01	100.00
Tigray	No	252,392	3,270	1,049	668,508	150,497	70,278	5,311	16,396	17,490	-	352	1,185,543
	%	21.29	.28	.09	56.39	12.69	5.93	.45	1.38	1.48	-	.03	100.00
Afar	No	123,379	130,600	178	1,283	8,993	10,224	-	4,108	74,373	9,602	-	362,740
	%	34.01	36.00	.05	.35	2.48	2.82	-	1.13	20.50	2.65	-	100.00
Amhara	No	4,408,796	32,551	389	457,437	13,773	50,848	3,789	35,254	25,217	3,368	216	5,031,638
	%	87.62	.65	.01	9.09	.27	1.01	.08	.70	.50	.07	-	100.00
Oromia	No	6,432,184	83,395	47,407	44,724	33,099	72,055	7,421	15,745	177,649	31,306	290	6,945,275
	%	92.61	1.20	.68	.64	.48	1.04	.11	.23	2.56	.45	-	100.00
Somale	No	392,972	260,903	-	22,427	20,727	14,519	127	1,780	141,513	69,847	147	924,962
	%	42.49	28.21	-	2.42	2.24	1.57	.01	.19	15.30	7.55	.02	100.00
Benshangul-Gumuz	No	216,956	3,351	7,162	241	1,248	93	303	62	1,584	740	-	231,740
	%	93.62	1.45	3.09	.10	.54	.04	.13	.03	.68	.32	-	100.00
S.N.N.P	No	3,005,762	248,418	190,028	5,492	5,985	23,636	663	3,543	137,696	21,434	-	3,642,657
	%	82.52	6.82	5.22	.15	.16	.65	.02	.10	3.78	.59	-	100.00
Gambela	No	72,274	3,208	180	135	624	1,757	377	101	6,680	244	-	85,580
	%	84.45	3.75	.21	.16	.73	2.05	.44	.12	7.81	.29	-	100.00
Harari	No	41,842	-	-	6,517	2,052	6,175	84	311	306	1,481	-	58,768
	%	71.20	-	-	11.09	3.49	10.51	.14	.53	.52	2.52	-	100.00
Addis Ababa	No	625,063	446	219	1,147	12,367	153,777	12,145	4,503	14,149	6,399	484	830,699
	%	75.25	.05	.03	.14	1.49	18.51	1.46	.54	1.70	.77	.06	100.00
Dire Dawa	No	20,794	1,528	-	17,532	7,204	28,387	166	1,019	3,944	18,984	-	99,558
	%	20.89	1.53	-	17.61	7.24	28.51	.17	1.02	3.96	19.07	-	100.00

Table 8.16(b): Distribution of Households by Construction Material of Wall in a Dwelling Unit and Region - Rural - 2016

and Region	Reed/ No %	Construction Material of Wall										Stated	Total
		Mud and Wood	Wood andPlaste- Mud Thatch	Unplaste- Bamboo	Bricks Stone	Cement Iron Stone	Blocks red	Blocks Not red	Corrugated Sheet	Others			
Country Level	No %	11,957,990 81.14	743,119 5.04	242,966 1.65	1,009,698 6.85	55,383 .38	26,531 .18	5,454 .04	52,637 .36	531,858 3.61	111,219 .75	352 -	14,737,207 100.00
Tigray	No %	192,140 23.19	2,815 .34	1,049 .13	563,207 67.97	39,441 4.76	4,204 .51	2,506 .30	14,862 1.79	8,073 .97	- -	352 .04	828,649 100.00
Afar	No %	59,170 21.90	128,991 47.74	- -	931 .34	4,670 1.73	2,826 1.05	- -	2,814 1.04	61,358 22.71	9,424 3.49	- -	270,184 100.00
Amhara	No %	3,528,194 88.12	25,352 .63	391,270 -	1,844 9.77	4,475 .05	- .11	32,882 -	19,704 .82	- .49	- -	4,003,721 -	100.00
Oromia	No %	5,250,469 93.43	82,208 1.46	47,407 .84	7,049 .47	7,591 .13	2,552 .14	- .05	173,459 -	22,423 3.09	- .40	5,619,595 -	100.00
Somale	No %	319,804 41.11	251,858 32.38	- -	13,572 1.74	1,211 .16	4,031 .52	- -	- -	127,558 16.40	59,814 7.69	- -	777,848 100.00
Benshangul-Gumuz	No %	159,260 92.22	3,291 1.91	7,162 4.15	- -	903 .52	- -	303 .18	- -	1,189 .69	597 .35	- -	172,705 100.00
S.N.N.P	No %	2,375,229 80.17	243,986 8.24	187,168 6.32	- -	- -	2,277 .08	- -	1,977 .07	134,358 4.53	17,752 .60	- -	2,962,747 100.00
Gambela	No %	42,749 81.41	3,089 5.88	180 .34	- -	93 .18	273 .52	92 .18	- -	5,852 11.14	185 .35	- -	52,513 100.00
Harari	No %	16,610 83.64	- -	- -	2,834 14.27	69 .35	138 .69	- -	- -	- -	208 1.05	- -	19,859 100.00
Dire Dawa	No %	14,366 48.89	1,528 5.20	- -	11,447 38.96	102 .35	715 2.43	- -	103 .35	307 1.04	816 2.78	- -	29,384 100.00

Table 8.16(c): Distribution of Households by Construction Material of Wall in a Dwelling Unit and Region - Urban - 2016

and Region	Reed/	Construction Material of Wall											Total
		Mud and Wood	Wood and Mud	Plaste- Thatch	Unplaste- Bamboo	Bricks Stone	Cement Iron Stone	Blocks red	Blocks Not red	Corrugated Sheet	Others	Stated	
Country Level	No %	3,634,422 77.96	24,554 .53	3,647 .08	215,744 4.63	201,186 4.32	405,219 8.69	24,932 .53	30,183 .65	68,744 1.47	52,186 1.12	1,138 .02	4,661,955 100.00
Tigray	No %	60,252 16.88	455 .13	- -	105,301 29.50	111,056 31.12	66,074 18.51	2,805 .79	1,534 .43	9,417 2.64	- -	- -	356,894 100.00
Afar	No %	64,209 69.37	1,609 1.74	178 .19	351 .38	4,323 4.67	7,398 7.99	- -	1,293 1.40	13,015 14.06	178 .19	- -	92,554 100.00
Amhara	No %	880,602 85.67	7,199 .70	389 .04	66,167 6.44	11,929 1.16	46,373 4.51	3,789 .37	2,372 .23	5,512 .54	3,368 .33	216 .02	1,027,916 100.00
Oromia	No %	1,181,715 89.14	1,187 .09	18,287 -	26,049 1.38	64,464 1.96	4,869 4.86	15,745 .37	4,190 1.19	8,884 .32	290 .67	1,325,680 .02	100.00
Somale	No %	73,168 49.74	9,045 6.15	- -	8,855 6.02	19,516 13.27	10,489 7.13	127 .09	1,780 1.21	13,955 9.49	10,033 6.82	147 .10	147,115 100.00
Benshangul-Gumuz	No %	57,695 97.73	61 .10	- -	241 .41	345 .58	93 .16	- -	62 .11	395 .67	143 .24	- -	59,035 100.00
S.N.N.P	No %	630,533 92.74	4,432 .65	2,860 .42	5,492 .81	5,985 .88	21,359 3.14	663 .10	1,566 .23	3,338 .49	3,682 .54	- -	679,910 100.00
Gambela	No %	29,525 89.29	119 .36	- -	135 .41	531 1.61	1,484 4.49	284 .86	101 .31	828 2.50	59 .18	- -	33,066 100.00
Harari	No %	25,232 64.85	- -	- -	3,683 9.47	1,983 5.10	6,036 15.51	84 .22	311 .80	306 .79	1,272 3.27	- -	38,907 100.00
Addis Ababa	No %	625,063 75.25	446 .05	219 .03	1,147 .14	12,367 1.49	153,777 18.51	12,145 1.46	4,503 .54	14,149 1.70	6,399 .77	484 .06	830,699 100.00
Dire Dawa	No %	6,428 9.16	- -	- -	6,085 8.67	7,102 10.12	27,672 39.43	166 .24	916 1.31	3,637 5.18	18,168 25.89	- -	70,174 100.00

Table 8.17(a): Distribution of Households by Construction Material of Roof of a Dwelling Unit and Region - Total - 2016

Region	Construction Material of Roof								Total
	Corrugated Iron Sheet	Thatch	Wood and Mud	Bamboo and Reed	Bricks	Others	Not Stated		
Country Level	No %	11,697,059 60.30	6,558,951 33.81	507,840 2.62	188,556 .97	2,352 .01	368,211 1.90	76,191 .39	19,399,160 100.00
Tigray	No %	736,784 62.15	139,063 11.73	277,489 23.41	3,131 .26	226 .02	22,130 1.87	6,718 .57	1,185,541 100.00
Afar	No %	95,859 26.43	129,056 35.58	106,409 29.33	176 .05	1,694 .47	20,130 5.55	9,416 2.60	362,740 100.00
Amhara	No %	3,511,207 1,470,779 69.78	22,864 29.23	- .45	- -	25,366 -	1,420 -	5,031,636 .50	100.00
Oromia	No %	4,328,212 2,394,353 62.32	39,164 34.47	116,798 .56	- 1.68	48,180 -	18,570 -	6,945,277 .69	100.00
Somale	No %	239,177 25.86	445,058 48.12	37,567 4.06	- -	- -	199,306 21.55	3,854 .42	924,962 100.00
Benshangul-Gumuz	No %	110,288 47.59	120,683 52.08	325 .14	- -	- -	445 .19	- -	231,741 100.00
S.N.N.P	No %	1,685,794 46.28	1,813,558 49.79	16,548 .45	68,452 1.88	- -	22,281 .61	36,024 .99	3,642,657 100.00
Gambela	No %	40,113 46.87	43,737 51.11	46 .05	- -	- -	1,683 1.97	- -	85,579 100.00
Harari	No %	55,983 95.26	465 .79	895 1.52	- -	- -	1,423 2.42	- -	58,766 100.00
Addis Ababa	No %	804,507 96.85	462 .06	1,456 .18	- -	313 .04	23,773 2.86	189 .02	830,700 100.00
Dire Dawa	No %	89,136 89.53	1,736 1.74	5,075 5.10	- -	118 .12	3,494 3.51	- -	99,559 100.00

Table 8.17(b): Distribution of Households by Construction Material of Roof of a Dwelling Unit and Region - Rural - 2016

Region	Construction Material of Roof								
		Corrugated Iron Sheet	Thatch	Wood and Mud	Bamboo and Reed	Bricks	Others	Not Stated	Total
Country Level	No	7,303,398	6,435,273	444,593	188,052	-	296,174	69,716	14,737,206
	%	49.56	43.67	3.02	1.28	-	2.01	.47	100.00
Tigray	No	421,852	120,083	268,338	2,901	-	8,757	6,718	828,649
	%	50.91	14.49	32.38	.35	-	1.06	.81	100.00
Afar	No	31,975	129,003	80,996	-	-	19,257	8,954	270,185
	%	11.83	47.75	29.98	-	-	7.13	3.31	100.00
Amhara	No	2,520,933	1,445,224	21,281	-	-	16,283	4,003,721	-
	%	62.96	36.10	.53	-	-	.41	-	100.00
Oromia	No	3,030,365	2,385,872	27,494	116,698	-	41,146	18,020	5,619,595
	%	53.92	42.46	.49	2.08	-	.73	.32	100.00
Somale	No	147,154	415,188	24,409	-	-	191,096	-	777,847
	%	18.92	53.38	3.14	-	-	24.57	-	100.00
Benshangul-Gumuz	No	57,311	114,796	294	-	-	304	-	172,705
	%	33.18	66.47	.17	-	-	.18	-	100.00
S.N.N.P	No	1,039,527	1,785,638	16,078	68,452	-	17,029	36,024	2,962,748
	%	35.09	60.27	.54	2.31	-	.57	1.22	100.00
Gambela	No	13,570	37,389	-	-	-	1,554	-	52,513
	%	25.84	71.20	-	-	-	2.96	-	100.00
Harari	No	18,482	343	895	-	-	138	-	19,858
	%	93.07	1.73	4.51	-	-	.69	-	100.00
Dire Dawa	No	22,230	1,736	4,809	-	-	610	-	29,385
	%	75.65	5.91	16.37	-	-	2.08	-	100.00

Table 8.17(c): Distribution of Households by Construction Material of Roof of a Dwelling Unit and Region - Urban - 2016

Region	Construction Material of Roof								Total
	Corrugated Iron Sheet	Thatch	Wood and Mud	Bamboo and Reed	Bricks	Others	Not Stated		
Country Level	No	4,393,661	123,678	63,247	504	2,352	72,037	6,475	4,661,954
	%	94.25	2.65	1.36	.01	.05	1.55	.14	100.00
Tigray	No	314,932	18,981	9,152	229	226	13,374	-	356,894
	%	88.24	5.32	2.56	.06	.06	3.75	-	100.00
Afar	No	63,883	53	25,413	176	1,694	874	461	92,554
	%	69.02	.06	27.46	.19	1.83	.94	.50	100.00
Amhara	No	990,274	25,555	1,583	-	-	9,083	1,420	1,027,915
	%	96.34	2.49	.15	-	-	.88	.14	100.00
Oromia	No	1,297,847	8,480	11,670	100	-	7,034	550	1,325,681
	%	97.90	.64	.88	.01	-	.53	.04	100.00
Somale	No	92,023	29,870	13,159	-	-	8,210	3,854	147,116
	%	62.55	20.30	8.94	-	-	5.58	2.62	100.00
Benshangul-Gumuz	No	52,978	5,887	31	-	-	140	-	59,036
	%	89.74	9.97	.05	-	-	.24	-	100.00
S.N.N.P	No	646,267	27,920	470	-	-	5,252	-	679,909
	%	95.05	4.11	.07	-	-	.77	-	100.00
Gambela	No	26,544	6,348	46	-	-	129	-	33,067
	%	80.27	19.20	.14	-	-	.39	-	100.00
Harari	No	37,501	122	-	-	-	1,285	-	38,908
	%	96.38	.31	-	-	-	3.30	-	100.00
Addis Ababa	No	804,507	462	1,456	-	313	23,773	189	830,700
	%	96.85	.06	.18	-	.04	2.86	.02	100.00
Dire Dawa	No	66,906	-	266	-	118	2,884	-	70,174
	%	95.34	-	.38	-	.17	4.11	-	100.00

Table 8.18(a): Distribution of Households by Frequency of Electric Power Failure/Interruption and Region - Total - 2016

Region	Do not Use Electricity	Frequency of Electric Power Failure/Interruption over the week prior to the Survey							Total Households Using Electricity	Total Households
		No Interruption	Once	Twice	Three Times	More than Three Times	Not Stated			
Country Level	No %	13,955,952 71.94	387,740 7.12	493,666 9.07	766,028 14.07	1,084,728 19.93	2,503,261 45.99	207,785 3.82	5,443,209 100.00	19,399,160
Tigray	No %	707,676 59.69	83,143 17.40	76,216 15.95	106,851 22.36	97,151 20.33	101,538 21.25	12,967 2.71	477,866 100.00	1,185,542
Afar	No %	240,995 66.44	3,993 3.28	6,178 5.07	12,054 9.90	36,357 29.86	59,857 49.17	3,306 2.72	121,744 100.00	362,740
Amhara	No %	3,837,891 76.28	74,196 6.22	89,095 7.46	148,482 12.44	194,530 16.30	630,577 52.82	56,866 4.76	1,193,746 100.00	5,031,637
Oromia	No %	5,277,728 75.99	83,146 4.99	130,272 7.81	188,039 11.28	347,938 20.87	846,645 50.77	71,508 4.29	1,667,549 100.00	6,945,276
Somale	No %	808,269 87.38	33,141 28.40	12,118 10.38	8,009 6.86	20,368 17.45	26,030 22.31	17,028 14.59	116,693 100.00	924,963
Benshangul-Gumuz	No %	173,646 74.93	9,258 15.94	3,818 6.57	4,849 8.35	7,072 12.17	31,206 53.72	1,891 3.26	58,095 100.00	231,740
S.N.N.P	No %	2,813,031 77.22	23,041 2.78	30,326 3.66	94,932 11.44	145,967 17.59	506,470 61.05	28,890 3.48	829,626 100.00	3,642,657
Gambela	No %	57,276 66.93	1,266 4.47	3,981 14.07	8,279 29.25	4,415 15.60	9,029 31.90	1,334 4.71	28,304 100.00	85,580
Harari	No %	8,479 14.43	339 .67	1,237 2.46	8,360 16.62	16,619 33.05	23,636 47.00	97 .19	50,287 100.00	58,767
Addis Ababa	No %	5,489 .66	65,676 7.96	125,569 15.22	169,404 20.53	195,419 23.68	257,714 31.23	11,429 1.38	825,211 100.00	830,700
Dire Dawa	No %	25,471 25.58	10,542 14.23	14,856 20.05	16,768 22.63	18,891 25.50	10,560 14.25	2,470 3.33	74,087 100.00	99,558

Table 8.18(b): Distribution of Households by Frequency of Electric Power Failure/Interruption and Region - Rural - 2016

Region	Do not Use Electricity	Frequency of Electric Power Failure/Interruption over the week prior to the Survey							Total Households	
		No Interruption	Once	Twice	Three Times	More than Three Times	Not Stated	Total Households Using Electricity		
Country Level	No %	13,564,511 92.04	74,716 6.37	78,318 6.68	134,546 11.47	234,940 20.03	509,168 43.42	141,007 12.02	1,172,695 100.00	14,737,206
Tigray	No %	681,732 82.27	23,183 15.78	21,663 14.75	35,212 23.97	31,018 21.11	29,146 19.84	6,695 4.56	146,917 100.00	828,649
Afar	No %	237,259 87.81	1,411 4.29	1,876 5.70	1,886 5.73	7,546 22.92	16,919 51.38	3,288 9.99	32,926 100.00	270,185
Amhara	No %	3,700,621 92.43	13,793 4.55	16,291 5.37	24,595 8.11	44,994 14.84	170,219 56.16	33,209 10.96	303,100 100.00	4,003,722
Oromia	No %	5,212,033 92.75	23,052 5.66	24,967 6.13	45,995 11.29	109,095 26.77	148,470 36.43	55,984 13.74	407,563 100.00	5,619,596
Somale	No %	752,131 96.69	5,391 20.96	4,070 15.83	- -	- -	2,712 10.55	13,543 52.66	25,717 100.00	777,847
Benshangul-Gumuz	No %	154,084 89.22	604 3.24	1,798 9.66	1,796 9.65	2,093 11.24	11,123 59.73	1,207 6.48	18,621 100.00	172,705
S.N.N.P	No %	2,745,454 92.67	6,223 2.86	5,015 2.31	23,145 10.65	36,212 16.67	121,051 55.71	25,647 11.80	217,293 100.00	2,962,747
Gambela	No %	49,715 94.67	- -	91 3.25	274 9.79	90 3.22	1,415 50.57	928 33.17	2,798 100.00	52,513
Harari	No %	8,008 40.32	138 1.16	414 3.49	826 6.97	3,179 26.82	7,294 61.55	- -	11,851 100.00	19,859
Dire Dawa	No %	23,475 79.89	920 15.57	2,133 36.10	817 13.83	714 12.08	820 13.88	506 8.56	5,909 100.00	29,385

Table 8.18(c): Distribution of Households by Frequency of Electric Power Failure/Interruption and Region - Urban - 2016

Region	Do not Use Electricity	Frequency of Electric Power Failure/Interruption over the week prior to the Survey							Total Households	
		No Interruption	Once	Twice	Three Times	More than Three Times	Not Stated	Total Households Using Electricity		
Country Level	No %	391,441 8.40	313,025 7.33	415,348 9.73	631,483 14.79	849,788 19.90	1,994,093 46.69	66,778 1.56	4,270,514 100.00	4,661,956
Tigray	No %	25,944 7.27	59,960 18.12	54,553 16.48	71,640 21.65	66,133 19.98	72,392 21.87	6,271 1.89	330,950 100.00	356,893
Afar	No %	3,736 4.04	2,582 2.91	4,302 4.84	10,168 11.45	28,811 32.44	42,938 48.34	18 .02	88,818 100.00	92,555
Amhara	No %	137,270 13.35	60,403 6.78	72,804 8.17	123,887 13.91	149,536 16.79	460,358 51.69	23,657 2.66	890,646 100.00	1,027,915
Oromia	No %	65,695 4.96	60,093 4.77	105,306 8.36	142,044 11.27	238,844 18.96	698,175 55.41	15,524 1.23	1,259,986 100.00	1,325,681
Somale	No %	56,138 38.16	27,750 30.50	8,047 8.85	8,009 8.80	20,368 22.39	23,317 25.63	3,485 3.83	90,977 100.00	147,114
Benshangul-Gumuz	No %	19,563 33.14	8,654 21.92	2,019 5.11	3,053 7.73	4,979 12.61	20,083 50.88	684 1.73	39,474 100.00	59,035
S.N.N.P	No %	67,577 9.94	16,817 2.75	25,311 4.13	71,787 11.72	109,755 17.92	385,419 62.94	3,244 .53	612,333 100.00	679,910
Gambela	No %	7,561 22.87	1,266 4.96	3,890 15.25	8,005 31.38	4,325 16.96	7,614 29.85	406 1.59	25,506 100.00	33,067
Harari	No %	471 1.21	201 .52	823 2.14	7,534 19.60	13,440 34.97	16,342 42.52	97 .25	38,436 100.00	38,908
Addis Ababa	No %	5,489 .66	65,676 7.96	125,569 15.22	169,404 20.53	195,419 23.68	257,714 31.23	11,429 1.38	825,211 100.00	830,700
Dire Dawa	No %	1,996 2.84	9,622 14.11	12,723 18.66	15,951 23.40	18,177 26.66	9,740 14.29	1,964 2.88	68,178 100.00	70,173

POSSESSION OF HOUSEHOLD ASSETS

Table 9.1(a): Distribution of Households Who Own Asset by Type of Asset and Region - Total - 2016

TYPE OF ASSETS	Entry Design	Country Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Cattle-Indigenous (Except farm animals)	No	10,093,333	438,957	117,136	2,595,802	4,160,834	387,147	63,880	2,268,817	22,333	14,504	3,588	20,335
	%	52.03	37.03	32.29	51.59	59.91	41.86	27.57	62.28	26.10	24.68	.43	20.43
Cattle-Exotic/hybrid (Except farm animals)	No	374,173	24,716	17	89,708	177,207	11,259	331	67,576	271	1,675	1,413	-
	%	1.93	2.08	-	1.78	2.55	1.22	.14	1.86	.32	2.85	.17	-
Farm animals	No	7,516,355	541,032	25,847	2,525,323	2,988,048	59,894	70,075	1,284,273	14,032	4,545	2,573	713
	%	38.75	45.64	7.13	50.19	43.02	6.48	30.24	35.26	16.40	7.73	.31	.72
Transport animals (Horse, Camel, ...)	No	1,764,126	38,659	87,359	335,674	840,295	158,396	1,954	296,118	785	1,790	328	2,768
	%	9.09	3.26	24.08	6.67	12.10	17.12	.84	8.13	.92	3.05	.04	2.78
Other draught animals (Except farm animals)	No	4,716,190	382,774	121,502	1,577,878	1,825,765	258,785	37,499	488,477	1,221	5,072	4,354	12,863
	%	24.31	32.29	33.50	31.36	26.29	27.98	16.18	13.41	1.43	8.63	.52	12.92
Sheep and Goat	No	8,234,840	409,487	238,146	2,015,645	3,103,479	677,189	74,269	1,646,425	17,499	16,549	2,508	33,644
	%	42.45	34.54	65.65	40.06	44.68	73.21	32.05	45.20	20.45	28.16	.30	33.79
Chicken	No	8,466,646	607,177	15,822	2,480,020	3,184,994	86,157	103,979	1,918,787	32,303	11,671	7,983	17,753
	%	43.64	51.22	4.36	49.29	45.86	9.31	44.87	52.68	37.75	19.86	.96	17.83
Beehives-traditional	No	1,763,187	95,004	3,254	454,266	824,314	4,034	22,808	352,434	4,331	1,369	761	612
	%	9.09	8.01	.90	9.03	11.87	.44	9.84	9.68	5.06	2.33	.09	.61
Beehives-partially modern	No	43,979	4,070	463	16,711	10,170	-	1,204	11,200	92	69	-	-
	%	.23	.34	.13	.33	.15	-	.52	.31	.11	.12	-	-
Beehives-modern	No	93,813	26,928	470	29,631	22,744	2,721	1,049	9,550	271	69	72	308
	%	.48	2.27	.13	.59	.33	.29	.45	.26	.32	.12	.01	.31
"Mofer" and "Kenber"	No	8,674,718	642,344	19,271	3,015,531	3,513,322	74,863	77,482	1,313,883	6,902	5,875	4,024	1,221
	%	44.72	54.18	5.31	59.93	50.59	8.09	33.43	36.07	8.06	10.00	.48	1.23
Sickle / "Machid"	No	12,138,830	770,311	95,303	3,753,730	4,841,826	157,221	168,005	2,226,036	32,756	28,804	40,008	24,830
	%	62.57	64.98	26.27	74.60	69.71	17.00	72.50	61.11	38.28	49.01	4.82	24.94
Axe/"Gejera"	No	13,470,207	692,358	228,329	3,757,616	5,079,341	368,916	187,649	2,866,643	61,771	30,769	162,069	34,746
	%	69.44	58.40	62.95	74.68	73.13	39.88	80.97	78.70	72.18	52.36	19.51	34.90
Pick Axe or "Geso"	No	10,736,386	605,539	65,121	3,059,831	3,777,644	254,409	167,834	2,623,019	41,423	5,423	113,586	22,557
	%	55.34	51.08	17.95	60.81	54.39	27.50	72.42	72.01	48.40	9.23	13.67	22.66
Plough (traditional)	No	8,744,537	642,036	10,962	2,988,837	3,595,670	52,642	77,945	1,346,610	7,180	16,886	4,441	1,328
	%	45.08	54.16	3.02	59.40	51.77	5.69	33.63	36.97	8.39	28.73	.53	1.33
Plough (modern)	No	136,393	7,524	-	13,758	67,352	34,103	301	11,273	164	1,918	-	-
	%	.70	.63	-	.27	.97	3.69	.13	.31	.19	3.26	-	-
Water pump	No	80,411	9,139	1,107	14,643	39,649	6,512	294	2,867	349	4,449	765	637
	%	.41	.77	.31	.29	.57	.70	.13	.08	.41	7.57	.09	.64
Kerosene stove	No	296,315	1,983	-	61,094	54,430	1,388	334	47,002	266	25,733	80,972	23,113
	%	1.53	.17	-	1.21	.78	.15	.14	1.29	.31	43.79	9.75	23.22
Butane gas stove	No	597,094	18,884	6,677	92,670	202,039	3,628	1,370	72,768	975	3,566	190,625	3,892
	%	3.08	1.59	1.84	1.84	2.91	.39	.59	2.00	1.14	6.07	22.95	3.91
Electric stove	No	1,335,471	85,486	10,057	233,621	305,073	1,214	2,217	117,917	1,976	17,816	539,429	20,665
	%	6.88	7.21	2.77	4.64	4.39	.13	.96	3.24	2.31	30.32	64.94	20.76
Blanket/ Gabi	No	17,288,391	1,044,361	226,326	4,731,058	6,377,278	378,126	189,457	3,315,608	73,541	57,689	825,870	69,077
	%	89.12	88.09	62.39	94.03	91.82	40.88	81.75	91.02	85.93	98.17	99.42	69.38

Table 9.1(a) Cont'd: Distribution of Households Who Own Asset by Type of Asset and Region - Total - 2016

TYPE OF ASSETS	Entry Design	Country Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Mattress and/or Beds	No	12,777,238	772,945	155,232	3,372,691	5,024,184	450,028	178,224	1,817,598	57,248	51,647	821,344	76,097
	%	65.86	65.20	42.79	67.03	72.34	48.65	76.91	49.90	66.89	87.89	98.87	76.43
Wrist Watch Clock	No	2,160,847	114,532	62,546	571,123	636,116	131,335	23,678	361,321	8,357	12,345	219,188	20,306
	%	11.14	9.66	17.24	11.35	9.16	14.20	10.22	9.92	9.77	21.01	26.39	20.40
Iron (Coal)	No	95,085	10,336	448	30,905	30,535	469	1,718	8,162	252	557	10,020	1,683
	%	.49	.87	.12	.61	.44	.05	.74	.22	.29	.95	1.21	1.69
Iron (Electric)	No	269,794	10,817	2,590	36,904	48,298	4,307	647	20,228	564	5,910	130,347	9,182
	%	1.39	.91	.71	.73	.70	.47	.28	.56	.66	10.06	15.69	9.22
Fixed Line Telephone	No	412,344	37,623	2,397	65,837	104,599	2,367	1,407	49,842	642	4,654	138,366	4,610
	%	2.13	3.17	.66	1.31	1.51	.26	.61	1.37	.75	7.92	16.66	4.63
Telephone (wireless)	No	64,034	2,160	3,051	8,028	24,293	2,940	378	10,078	736	631	10,579	1,160
	%	.33	.18	.84	.16	.35	.32	.16	.28	.86	1.07	1.27	1.17
Telephone (mobile)	No	10,346,160	739,129	220,807	2,338,945	3,815,989	434,515	141,208	1,668,259	55,086	47,132	810,786	74,304
	%	53.33	62.35	60.87	46.48	54.94	46.98	60.93	45.80	64.37	80.20	97.60	74.63
Radio/Tape/Radio & Tape	No	5,140,865	359,070	38,013	885,489	2,096,837	54,320	67,344	1,081,818	15,806	27,779	473,810	40,579
	%	26.50	30.29	10.48	17.60	30.19	5.87	29.06	29.70	18.47	47.27	57.04	40.76
Television	No	2,784,091	242,655	65,008	468,557	795,266	45,659	16,590	375,341	14,054	34,045	675,892	51,024
	%	14.35	20.47	17.92	9.31	11.45	4.94	7.16	10.30	16.42	57.93	81.36	51.25
Video Deck	No	299,855	9,551	694	24,079	94,833	1,070	3,079	113,514	3,992	3,267	44,799	977
	%	1.55	.81	.19	.48	1.37	.12	1.33	3.12	4.66	5.56	5.39	.98
CD/CD/DVD	No	1,270,358	111,207	18,402	222,776	304,421	3,519	8,395	181,182	5,659	15,760	381,684	17,353
	%	6.55	9.38	5.07	4.43	4.38	.38	3.62	4.97	6.61	26.82	45.95	17.43
Dish	No	1,984,502	171,618	54,687	334,588	546,745	42,070	13,248	262,910	10,297	27,089	478,666	42,584
	%	10.23	14.48	15.08	6.65	7.87	4.55	5.72	7.22	12.03	46.10	57.62	42.77
Sofa set	No	1,255,707	99,995	2,281	185,577	334,786	2,820	3,331	157,017	2,244	10,306	449,014	8,336
	%	6.47	8.43	.63	3.69	4.82	.30	1.44	4.31	2.62	17.54	54.05	8.37
Chair & Table (Excluding stool & bench)	No	7,139,085	305,023	27,317	875,230	3,428,413	66,963	84,174	1,949,390	54,215	5,347	336,780	6,233
	%	36.80	25.73	7.53	17.39	49.36	7.24	36.32	53.52	63.35	9.10	40.54	6.26
Bicycle	No	188,349	32,063	12,885	28,911	59,595	1,001	4,106	26,505	3,379	1,043	15,872	2,989
	%	.97	2.70	3.55	.57	.86	.11	1.77	.73	3.95	1.77	1.91	3.00
Motor Cycle	No	91,292	1,461	2,364	2,604	36,688	1,859	2,538	39,980	544	415	2,066	773
	%	.47	.12	.65	.05	.53	.20	1.10	1.10	.64	.71	.25	.78
Cart (Hand pushed)	No	107,033	1,612	1,869	12,246	31,549	18,737	1,314	30,568	1,109	2,297	-	5,732
	%	.55	.14	.52	.24	.45	2.03	.57	.84	1.30	3.91	-	5.76
Cart (animal drawn)- for transporting people & goods	No	179,359	12,882	4,893	23,234	97,401	16,315	1,730	22,240	265	69	167	163
	%	.92	1.09	1.35	.46	1.40	1.76	.75	.61	.31	.12	.02	.16
Sewing machine	No	101,947	9,360	2,252	47,758	26,961	318	425	8,370	-	314	5,849	340
	%	.53	.79	.62	.95	.39	.03	.18	.23	-	.53	.70	.34
Weaving equipment	No	119,978	14,943	469	60,046	30,156	-	408	5,937	473	-	7,546	-
	%	.62	1.26	.13	1.19	.43	-	.18	.16	.55	-	.91	-
Builder's equipment	No	224,178	68,535	4,933	44,256	50,586	833	1,168	33,536	2,171	3,353	10,290	4,517
	%	1.16	5.78	1.36	.88	.73	.09	.50	.92	2.54	5.71	1.24	4.54

Table 9.1(a) Cont'd: Distribution of Households Who Own Asset by Type of Asset and Region - Total - 2016

TYPE OF ASSETS	Entry Design	Country Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Carpenter's equipment	No	455,401	42,410	3,142	113,868	146,243	339	3,033	119,528	2,702	3,037	18,710	2,389
	%	2.35	3.58	.87	2.26	2.11	.04	1.31	3.28	3.16	5.17	2.25	2.40
Welding equipment	No	28,115	3,216	294	5,793	11,872	282	506	3,206	39	289	2,618	-
	%	.14	.27	.08	.12	.17	.03	.22	.09	.05	.49	.32	-
Wood cutting equipment	No	246,748	173,391	519	2,059	50,990	526	2,804	15,246	148	333	587	145
	%	1.27	14.63	.14	.04	.73	.06	1.21	.42	.17	.57	.07	.15
Block production equipment	No	4,259	1,392	-	-	1,815	-	98	321	-	167	238	228
	%	.02	.12	-	-	.03	-	.04	.01	-	.28	.03	.23
Mitad - Electric	No	1,035,893	119,304	1,754	120,607	202,331	1,448	2,502	75,772	457	12,940	488,019	10,759
	%	5.34	10.06	.48	2.40	2.91	.16	1.08	2.08	.53	22.02	58.75	10.81
Mitad - power saving (modern)	No	596,064	5,248	40,402	209,196	268,887	1,276	5,289	33,554	461	5,621	12,830	13,300
	%	3.07	.44	11.14	4.16	3.87	.14	2.28	.92	.54	9.57	1.54	13.36
Refrigerator	No	969,700	73,747	36,547	115,244	219,480	13,169	5,313	89,609	8,199	12,651	370,932	24,809
	%	5.00	6.22	10.08	2.29	3.16	1.42	2.29	2.46	9.58	21.53	44.65	24.92
Private car	No	74,861	2,118	216	3,527	12,041	784	31	2,739	41	-	52,823	541
	%	.39	.18	.06	.07	.17	.08	.01	.08	.05	-	6.36	.54
Car - Commercial	No	68,182	3,002	1,810	7,241	21,489	1,588	332	7,556	107	985	23,764	308
	%	.35	.25	.50	.14	.31	.17	.14	.21	.13	1.68	2.86	.31
Bajaj	No	48,238	2,712	2,979	10,950	18,026	1,460	358	5,101	478	1,260	2,245	2,669
	%	.25	.23	.82	.22	.26	.16	.15	.14	.56	2.14	.27	2.68
Jewels (Gold and Silver)	No	4,069,502	514,525	26,991	1,638,938	979,661	13,729	41,727	506,247	24,457	23,489	260,935	38,803
	%	20.98	43.40	7.44	32.57	14.11	1.48	18.01	13.90	28.58	39.97	31.41	38.98
Wardrobe	No	1,655,521	171,412	12,052	138,119	452,825	5,310	3,602	349,706	3,072	13,636	476,268	29,519
	%	8.53	14.46	3.32	2.75	6.52	.57	1.55	9.60	3.59	23.20	57.33	29.65
Shelf for storing goods	No	2,048,569	112,041	31,194	315,546	659,262	7,240	11,935	287,974	7,056	18,294	564,299	33,728
	%	10.56	9.45	8.60	6.27	9.49	.78	5.15	7.91	8.24	31.13	67.93	33.88
Biogas stove (pit)	No	8,061	-	507	1,165	2,260	-	137	1,356	-	-	2,636	-
	%	.04	-	.14	.02	.03	-	.06	.04	-	-	.32	-
Water storage pit	No	190,138	23,918	-	72,915	69,001	1,012	812	17,117	-	4,249	306	808
	%	.98	2.02	-	1.45	.99	.11	.35	.47	-	7.23	.04	.81
Chat plant (No. planted)	No	2,611,353	18,560	-	345,094	1,515,496	31,525	30,254	638,974	3,306	18,808	138	9,198
	%	13.46	1.57	-	6.86	21.82	3.41	13.06	17.54	3.86	32.00	.02	9.24
Coffee plant (No. planted)	No	4,316,706	28,026	-	509,409	1,853,050	-	43,023	1,865,245	12,259	2,253	375	3,066
	%	22.25	2.36	-	10.12	26.68	-	18.57	51.21	14.32	3.83	.05	3.08
Other permanent crops (No. planted)	No	5,865,080	259,669	6,307	1,207,145	1,874,108	-	108,637	2,380,625	16,843	7,828	1,406	2,512
	%	30.23	21.90	1.74	23.99	26.98	-	46.88	65.35	19.68	13.32	.17	2.52
Forestry (Eucalyptus tree) (No. planted)	No	7,185,504	325,027	713	2,320,495	2,456,237	-	44,359	2,018,472	7,041	10,071	3,089	-
	%	37.04	27.42	.20	46.12	35.37	-	19.14	55.41	8.23	17.14	.37	-
Total		19,399,159	1,185,543	362,739	5,031,637	6,945,276	924,962	231,741	3,642,657	85,580	58,766	830,700	99,558

Table 9.1(b): Distribution of Household Who Own Asset by Type of Asset and Region - Rural - 2016

TYPE OF ASSETS	Entry Design	Country Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Cattle-Indigenous (Except farm animals)	No	9,583,653	402,091	112,636	2,490,366	3,936,715	380,238	53,356	2,154,050	19,959	14,139	-	20,103
	%	65.03	48.52	41.69	62.20	70.05	48.88	30.89	72.70	38.01	71.20	-	68.41
Cattle-Exotic/hybrid (Except farm animals)	No	295,484	17,554	-	73,960	138,275	10,827	301	53,505	95	967	-	-
	%	2.01	2.12	-	1.85	2.46	1.39	.17	1.81	.18	4.87	-	-
Farm animals	No	7,279,796	514,160	25,809	2,466,658	2,884,271	59,406	61,484	1,249,434	13,316	4,545	-	713
	%	49.40	62.05	9.55	61.61	51.33	7.64	35.60	42.17	25.36	22.89	-	2.43
Transport animals (Horse, Camel ...)	No	1,723,697	37,213	86,819	328,971	817,975	157,980	1,498	288,188	726	1,790	-	2,537
	%	11.70	4.49	32.13	8.22	14.56	20.31	.87	9.73	1.38	9.01	-	8.63
Other draught animals (Except farm animals)	No	4,553,868	353,479	117,718	1,524,198	1,771,143	254,847	32,404	481,639	910	4,975	-	12,555
	%	30.90	42.66	43.57	38.07	31.52	32.76	18.76	16.26	1.73	25.05	-	42.73
Sheep and Goat	No	7,790,952	381,726	214,333	1,914,026	2,948,313	641,091	65,284	1,572,806	15,218	12,957	-	25,198
	%	52.87	46.07	79.33	47.81	52.46	82.42	37.80	53.09	28.98	65.24	-	85.75
Chicken	No	7,880,097	561,176	11,756	2,347,000	2,976,134	75,902	91,399	1,766,921	26,905	8,003	-	14,901
	%	53.47	67.72	4.35	58.62	52.96	9.76	52.92	59.64	51.23	40.30	-	50.71
Beehives-traditional	No	1,716,135	90,707	3,254	446,536	805,652	4,034	20,681	339,219	4,269	1,171	-	612
	%	11.64	10.95	1.20	11.15	14.34	.52	11.97	11.45	8.13	5.90	-	2.08
Beehives-partially modern	No	39,905	3,860	463	16,711	7,618	-	1,204	9,888	92	69	-	-
	%	.27	.47	.17	.42	.14	-	.70	.33	.18	.35	-	-
Beehives-modern	No	87,008	24,516	470	29,631	19,774	2,721	908	8,648	271	69	-	-
	%	.59	2.96	.17	.74	.35	.35	.53	.29	.52	.35	-	-
"Mofer" and "Kenber"	No	8,436,308	610,585	18,745	2,919,290	3,444,476	74,863	69,583	1,285,471	6,796	5,586	-	913
	%	57.24	73.68	6.94	72.91	61.29	9.62	40.29	43.39	12.94	28.13	-	3.11
Sickle / "Machid"	No	11,316,034	704,460	83,475	3,486,211	4,583,621	151,594	147,181	2,092,752	28,507	17,725	-	20,508
	%	76.79	85.01	30.90	87.07	81.56	19.49	85.22	70.64	54.29	89.25	-	69.79
Axe/"Gejera"	No	11,776,551	620,575	205,829	3,325,772	4,485,123	340,668	153,534	2,557,061	47,026	16,477	-	24,486
	%	79.91	74.89	76.18	83.07	79.81	43.80	88.90	86.31	89.55	82.97	-	83.33
Pick Axe or "Ges0"	No	9,798,239	534,001	56,710	2,834,600	3,510,467	246,578	144,241	2,421,271	33,768	691	-	15,912
	%	66.49	64.44	20.99	70.80	62.47	31.70	83.52	81.72	64.30	3.48	-	54.15
Plough (traditional)	No	8,459,141	605,670	9,820	2,885,056	3,502,074	52,113	69,596	1,310,352	6,985	16,764	-	711
	%	57.40	73.09	3.63	72.06	62.32	6.70	40.30	44.23	13.30	84.42	-	2.42
Plough (modern)	No	130,405	6,131	-	12,173	65,401	33,890	301	10,500	91	1,918	-	-
	%	.88	.74	-	.30	1.16	4.36	.17	.35	.17	9.66	-	-
Water pump	No	68,523	7,103	937	13,191	35,849	5,454	294	1,320	274	4,000	-	101
	%	.46	.86	.35	.33	.64	.70	.17	.04	.52	20.14	-	.34
Kerosene stove	No	42,738	575	-	16,338	2,574	1,341	303	20,611	183	-	-	813
	%	.29	.07	-	.41	.05	.17	.18	.70	.35	-	-	2.77
Butane gas stove	No	77,951	2,627	1,416	9,409	55,920	2,543	303	2,150	91	2,879	-	613
	%	.53	.32	.52	.24	1.00	.33	.18	.07	.17	14.50	-	2.09
Electric stove	No	66,542	4,409	2,344	32,628	19,780	-	600	6,042	90	139	-	510
	%	.45	.53	.87	.81	.35	-	.35	.20	.17	.70	-	1.74
Blanket/ Gabi	No	12,864,594	701,281	168,377	3,729,366	5,089,610	288,957	132,566	2,665,769	48,055	19,516	-	21,097
	%	87.29	84.63	62.32	93.15	90.57	37.15	76.76	89.98	91.51	98.27	-	71.80

Table 9.1(b) Cont'd: Distribution of Household Who Own Asset by Type of Asset and Region - Rural - 2016

TYPE OF ASSETS	Entry Design	Country	Region										
		Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Mattress and/or Beds	No	8,383,604	443,210	68,990	2,410,971	3,761,389	321,829	125,360	1,196,651	28,703	14,268	-	12,233
	%	56.89	53.49	25.53	60.22	66.93	41.37	72.59	40.39	54.66	71.85	-	41.63
Wrist Watch Clock	No	1,319,718	68,018	50,676	437,999	424,807	102,746	18,849	206,269	3,929	2,964	-	3,461
	%	8.96	8.21	18.76	10.94	7.56	13.21	10.91	6.96	7.48	14.93	-	11.78
Iron (Coal)	No	35,026	3,884	-	16,567	11,867	-	295	2,275	-	138	-	-
	%	.24	.47	-	.41	.21	-	.17	.08	-	.69	-	-
Iron (Electric)	No	16,328	856	470	8,189	5,075	-	299	1,231	-	208	-	-
	%	.11	.10	.17	.20	.09	-	.17	.04	-	1.05	-	-
Fixed Line Telephone	No	35,608	6,340	937	7,256	17,293	1,360	298	1,921	-	-	-	203
	%	.24	.77	.35	.18	.31	.17	.17	.06	-	-	-	.69
Telephone (wireless)	No	28,426	1,289	2,350	3,753	12,166	1,360	-	7,237	271	-	-	-
	%	.19	.16	.87	.09	.22	.17	-	.24	.52	-	-	-
Telephone (mobile)	No	6,235,990	436,697	141,216	1,488,107	2,642,998	322,554	91,776	1,066,186	26,612	11,996	-	7,848
	%	42.31	52.70	52.27	37.17	47.03	41.47	53.14	35.99	50.68	60.41	-	26.71
Radio/Tape/Radio & Tape	No	3,218,681	217,338	20,209	601,521	1,533,253	42,583	49,700	736,592	7,475	6,335	-	3,675
	%	21.84	26.23	7.48	15.02	27.28	5.47	28.78	24.86	14.23	31.90	-	12.51
Television	No	258,031	53,433	12,709	52,129	98,173	-	1,801	34,796	914	2,752	-	1,324
	%	1.75	6.45	4.70	1.30	1.75	-	1.04	1.17	1.74	13.86	-	4.51
Video Deck	No	37,597	3,172	465	1,829	23,990	-	302	5,499	551	1,789	-	-
	%	.26	.38	.17	.05	.43	-	.17	.19	1.05	9.01	-	-
CD/CD/DVD	No	95,177	21,749	3,768	33,195	22,298	-	901	11,824	545	897	-	-
	%	.65	2.62	1.39	.83	.40	-	.52	.40	1.04	4.52	-	-
Dish	No	151,744	26,468	8,467	37,749	55,626	-	1,805	17,995	550	2,064	-	1,020
	%	1.03	3.19	3.13	.94	.99	-	1.05	.61	1.05	10.39	-	3.47
Sofa set	No	131,451	14,605	-	9,336	73,200	-	298	33,379	633	-	-	-
	%	.89	1.76	-	.23	1.30	-	.17	1.13	1.21	-	-	-
Chair & Table (Excluding stool & bench)	No	4,749,766	166,410	13,600	415,295	2,633,529	52,037	53,042	1,387,430	28,150	69	-	204
	%	32.23	20.08	5.03	10.37	46.86	6.69	30.71	46.83	53.61	.35	-	.69
Bicycle	No	59,353	17,474	6,118	10,311	12,834	-	2,676	8,125	1,815	-	-	-
	%	.40	2.11	2.26	.26	.23	-	1.55	.27	3.46	-	-	-
Motor Cycle	No	49,702	-	1,422	-	22,342	1,347	1,796	22,704	91	-	-	-
	%	.34	-	.53	-	.40	.17	1.04	.77	.17	-	-	-
Cart (Hand pushed)	No	60,571	1,122	470	6,733	24,622	6,780	1,204	17,979	183	1,173	-	305
	%	.41	.14	.17	.17	.44	.87	.70	.61	.35	5.91	-	1.04
Cart (animal drawn) - for Transporting people & goods	No	130,234	4,410	2,814	15,535	76,493	11,881	1,198	17,650	184	69	-	-
	%	.88	.53	1.04	.39	1.36	1.53	.69	.60	.35	.35	-	-
Sewing machine	No	51,337	2,200	472	31,091	14,443	-	-	3,062	-	69	-	-
	%	.35	.27	.17	.78	.26	-	-	.10	-	.35	-	-
Weaving equipment	No	76,749	3,697	469	43,340	24,717	-	298	4,228	-	-	-	-
	%	.52	.45	.17	1.08	.44	-	.17	.14	-	-	-	-
Builder's equipment	No	129,541	62,971	1,895	20,221	23,590	-	301	20,322	-	139	-	102
	%	.88	7.60	.70	.51	.42	-	.17	.69	-	.70	-	.35

Table 9.1(b) Cont'd: Distribution of Household Who Own Asset by Type of Asset and Region - Rural - 2016

TYPE OF ASSETS	Entry Design	Country Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Carpenter's equipment	No	277,254	38,506	469	70,942	87,777	-	2,092	75,054	2,000	414	-	-
	%	1.88	4.65	.17	1.77	1.56	-	1.21	2.53	3.81	2.08	-	-
Welding equipment	No	9,048	2,054	-	1,576	5,117	-	301	-	-	-	-	-
	%	.06	.25	-	.04	.09	-	.17	-	-	-	-	-
Wood cutting equipment	No	215,155	160,048	-	-	45,582	-	1,803	7,564	90	68	-	-
	%	1.46	19.31	-	-	.81	-	1.04	.26	.17	.34	-	-
Block production equipment	No	699	699	-	-	-	-	-	-	-	-	-	-
	%	-	.08	-	-	-	-	-	-	-	-	-	-
Mitad - Electric	No	37,444	22,245	-	3,406	9,917	-	298	1,509	-	69	-	-
	%	.25	2.68	-	.09	.18	-	.17	.05	-	.35	-	-
Mitad - power saving (modern)	No	308,482	3,680	22,621	129,258	142,235	-	4,205	1,532	-	4,951	-	-
	%	2.09	.44	8.37	3.23	2.53	-	2.43	.05	-	24.93	-	-
Refrigerator	No	39,510	7,726	5,177	7,875	16,974	-	1,202	-	182	69	-	305
	%	.27	.93	1.92	.20	.30	-	.70	-	.35	.35	-	1.04
Private car	No	5,703	588	-	-	5,115	-	-	-	-	-	-	-
	%	.04	.07	-	-	.09	-	-	-	-	-	-	-
Car - Commercial	No	6,545	930	-	-	5,106	-	301	-	-	208	-	-
	%	.04	.11	-	-	.09	-	.17	-	-	1.05	-	-
Bajaj	No	12,304	-	476	3,812	7,685	-	-	-	91	138	-	102
	%	.08	-	.18	.10	.14	-	-	-	.17	.69	-	.35
Jewels (Gold and Silver)	No	2,356,583	321,270	6,106	1,203,098	543,558	-	23,405	247,444	9,378	1,509	-	815
	%	15.99	38.77	2.26	30.05	9.67	-	13.55	8.35	17.86	7.60	-	2.77
Wardrobe	No	498,968	67,655	1,421	17,302	190,849	-	1,195	219,059	1,183	-	-	304
	%	3.39	8.16	.53	.43	3.40	-	.69	7.39	2.25	-	-	1.03
Shelf for storing goods	No	313,490	20,002	7,548	44,422	169,258	-	2,401	67,463	1,819	69	-	508
	%	2.13	2.41	2.79	1.11	3.01	-	1.39	2.28	3.46	.35	-	1.73
Biogas stove (pit)	No	766	-	-	-	-	-	-	766	-	-	-	-
	%	.01	-	-	-	-	-	-	.03	-	-	-	-
Water storage pit	No	161,396	19,716	-	63,033	59,268	-	294	15,567	-	3,518	-	-
	%	1.10	2.38	-	1.57	1.05	-	.17	.53	-	17.71	-	-
Chat plant (No. planted)	No	2,509,689	17,077	-	335,487	1,461,140	31,158	26,417	609,823	3,008	16,689	-	8,890
	%	17.03	2.06	-	8.38	26.00	4.01	15.30	20.58	5.73	84.04	-	30.25
Coffee plant (No. planted)	No	4,044,577	23,230	-	493,681	1,736,346	-	35,429	1,740,780	9,914	2,131	-	3,066
	%	27.44	2.80	-	12.33	30.90	-	20.51	58.76	18.88	10.73	-	10.43
Other permanent crops (No. planted)	No	5,529,007	238,572	4,225	1,146,566	1,788,232	-	95,637	2,231,837	14,739	7,463	-	1,736
	%	37.52	28.79	1.56	28.64	31.82	-	55.38	75.33	28.07	37.58	-	5.91
Forestry (Eucalyptus tree) (No. planted)	No	6,830,733	303,574	468	2,201,579	2,364,855	-	36,291	1,908,195	6,187	9,584	-	-
	%	46.35	36.63	.17	54.99	42.08	-	21.01	64.41	11.78	48.26	-	-
Total		14,737,206	828,649	270,185	4,003,721	5,619,595	777,848	172,705	2,962,747	52,513	19,859	-	29,384

Table 9.1(c): Distribution of Households Who Own Asset by Type of Asset and Region - Urban - 2016

TYPE OF ASSETS	Entry Design	Country Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Cattle-Indigenous	No	509,681	36,866	4,500	105,436	224,119	6,909	10,524	114,768	2,374	365	3,588	232
(Except farm animals)	%	10.93	10.33	4.86	10.26	16.91	4.70	17.83	16.88	7.18	.94	.43	.33
Cattle-Exotic/hybrid	No	78,693	7,163	17	15,748	38,932	432	31	14,071	177	709	1,413	-
(Except farm animals)	%	1.69	2.01	.02	1.53	2.94	.29	.05	2.07	.54	1.82	.17	-
Farm animals	No	236,560	26,872	38	58,665	103,777	489	8,591	34,839	716	-	2,573	-
	%	5.07	7.53	.04	5.71	7.83	.33	14.55	5.12	2.17	-	.31	-
Transport animals	No	40,430	1,446	540	6,703	22,320	416	456	7,930	59	-	328	232
(Horse, Camel ...)	%	.87	.41	.58	.65	1.68	.28	.77	1.17	.18	-	.04	.33
Other draught animals	No	162,322	29,295	3,784	53,679	54,622	3,938	5,095	6,838	311	98	4,354	308
(Except farm animals)	%	3.48	8.21	4.09	5.22	4.12	2.68	8.63	1.01	.94	.25	.52	.44
Sheep and Goat	No	443,892	27,762	23,813	101,620	155,167	36,098	8,985	73,619	2,282	3,592	2,508	8,446
	%	9.52	7.78	25.73	9.89	11.70	24.54	15.22	10.83	6.90	9.23	.30	12.04
Chicken	No	586,549	46,001	4,066	133,020	208,860	10,255	12,580	151,866	5,398	3,668	7,983	2,852
	%	12.58	12.89	4.39	12.94	15.75	6.97	21.31	22.34	16.32	9.43	.96	4.06
Beehives-traditional	No	47,050	4,296	-	7,731	18,661	-	2,127	13,214	62	198	761	-
	%	1.01	1.20	-	.75	1.41	-	3.60	1.94	.19	.51	.09	-
Beehives-partially modern	No	4,074	210	-	-	2,552	-	-	1,312	-	-	-	-
	%	.09	.06	-	-	.19	-	-	.19	-	-	-	-
Beehives-modern	No	6,806	2,412	-	-	2,970	-	141	903	-	-	72	308
	%	.15	.68	-	-	.22	-	.24	.13	-	-	.01	.44
"Mofer" and "Kenber"	No	238,410	31,759	526	96,241	68,847	-	7,899	28,412	105	289	4,024	308
	%	5.11	8.90	.57	9.36	5.19	-	13.38	4.18	.32	.74	.48	.44
Sickle / "Machid"	No	822,796	65,851	11,828	267,519	258,205	5,628	20,823	133,283	4,249	11,080	40,008	4,322
	%	17.65	18.45	12.78	26.03	19.48	3.83	35.27	19.60	12.85	28.48	4.82	6.16
Axe/"Gejera"	No	1,693,656	71,783	22,500	431,844	594,218	28,248	34,114	309,582	14,745	14,292	162,069	10,261
	%	36.33	20.11	24.31	42.01	44.82	19.20	57.79	45.53	44.59	36.73	19.51	14.62
Pick Axe or "Geso"	No	938,144	71,538	8,411	225,230	267,177	7,831	23,593	201,747	7,655	4,732	113,586	6,644
	%	20.12	20.04	9.09	21.91	20.15	5.32	39.96	29.67	23.15	12.16	13.67	9.47
Plough (traditional)	No	285,396	36,365	1,143	103,781	93,596	529	8,349	36,258	195	122	4,441	617
	%	6.12	10.19	1.23	10.10	7.06	.36	14.14	5.33	.59	.31	.53	.88
Plough (modern)	No	5,984	1,392	-	1,584	1,950	212	-	773	73	-	-	-
	%	.13	.39	-	.15	.15	.14	-	.11	.22	-	-	-
Water pump	No	11,888	2,036	169	1,452	3,801	1,058	-	1,547	75	449	765	536
	%	.26	.57	.18	.14	.29	.72	-	.23	.23	1.15	.09	.76
Kerosene stove	No	253,575	1,408	-	44,756	51,855	47	31	26,391	83	25,733	80,972	22,299
	%	5.44	.39	-	4.35	3.91	.03	.05	3.88	.25	66.14	9.75	31.78
Butane gas stove	No	519,144	16,257	5,262	83,261	146,119	1,085	1,067	70,618	884	687	190,625	3,279
	%	11.14	4.56	5.69	8.10	11.02	.74	1.81	10.39	2.67	1.77	22.95	4.67
Electric stove	No	1,268,930	81,077	7,713	200,993	285,294	1,214	1,616	111,875	1,887	17,677	539,429	20,155
	%	27.22	22.72	8.33	19.55	21.52	.83	2.74	16.45	5.71	45.43	64.94	28.72
Blanket/ Gabi	No	4,423,797	343,080	57,949	1,001,692	1,287,668	89,168	56,891	649,840	25,487	38,173	825,870	47,979
	%	94.89	96.13	62.61	97.45	97.13	60.61	96.37	95.58	77.08	98.11	99.42	68.37

Table 9.1(c) Cont'd: Distribution of Households Who Own Asset by Type of Asset and Region - Urban - 2016

TYPE OF ASSETS	Entry Design	Country Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Mattress and/or Beds	No	4,393,635	329,736	86,242	961,719	1,262,795	128,200	52,864	620,947	28,545	37,379	821,344	63,864
	%	94.24	92.39	93.18	93.56	95.26	87.14	89.55	91.33	86.32	96.07	98.87	91.01
Wrist Watch Clock	No	841,129	46,514	11,871	133,124	211,309	28,589	4,829	155,052	4,428	9,381	219,188	16,844
	%	18.04	13.03	12.83	12.95	15.94	19.43	8.18	22.80	13.39	24.11	26.39	24.00
Iron (Coal)	No	60,058	6,452	448	14,338	18,668	469	1,422	5,887	252	419	10,020	1,683
	%	1.29	1.81	.48	1.39	1.41	.32	2.41	.87	.76	1.08	1.21	2.40
Iron (Electric)	No	253,467	9,962	2,120	28,715	43,223	4,307	347	18,997	564	5,703	130,347	9,182
	%	5.44	2.79	2.29	2.79	3.26	2.93	.59	2.79	1.71	14.66	15.69	13.08
Fixed Line Telephone	No	376,735	31,283	1,459	58,581	87,306	1,008	1,109	47,921	642	4,654	138,366	4,406
	%	8.08	8.77	1.58	5.70	6.59	.69	1.88	7.05	1.94	11.96	16.66	6.28
Telephone (wireless)	No	35,608	871	701	4,275	12,127	1,580	378	2,841	465	631	10,579	1,160
	%	.76	.24	.76	.42	.91	1.07	.64	.42	1.41	1.62	1.27	1.65
Telephone (mobile)	No	4,110,168	302,431	79,590	850,838	1,172,991	111,961	49,432	602,073	28,473	35,137	810,786	66,456
	%	88.16	84.74	85.99	82.77	88.48	76.10	83.73	88.55	86.11	90.31	97.60	94.70
Radio/Tape/Radio & Tape	No	1,922,183	141,732	17,804	283,968	563,584	11,737	17,643	345,226	8,331	21,444	473,810	36,904
	%	41.23	39.71	19.24	27.63	42.51	7.98	29.89	50.78	25.19	55.12	57.04	52.59
Television	No	2,526,060	189,222	52,299	416,429	697,093	45,659	14,789	340,545	13,140	31,292	675,892	49,700
	%	54.18	53.02	56.51	40.51	52.58	31.04	25.05	50.09	39.74	80.43	81.36	70.82
Video Deck	No	262,256	6,379	228	22,250	70,842	1,070	2,777	108,015	3,441	1,478	44,799	977
	%	5.63	1.79	.25	2.16	5.34	.73	4.70	15.89	10.41	3.80	5.39	1.39
CD/CD/DVD	No	1,175,179	89,458	14,634	189,581	282,122	3,519	7,494	169,358	5,113	14,863	381,684	17,353
	%	25.21	25.07	15.81	18.44	21.28	2.39	12.69	24.91	15.46	38.20	45.95	24.73
Dish	No	1,832,757	145,150	46,220	296,839	491,120	42,070	11,443	244,915	9,746	25,024	478,666	41,564
	%	39.31	40.67	49.94	28.88	37.05	28.60	19.38	36.02	29.47	64.32	57.62	59.23
Sofa set	No	1,124,255	85,390	2,281	176,241	261,586	2,820	3,032	123,638	1,611	10,306	449,014	8,336
	%	24.12	23.93	2.46	17.15	19.73	1.92	5.14	18.18	4.87	26.49	54.05	11.88
Chair & Table (Excluding stool & bench)	No	2,389,320	138,613	13,717	459,935	794,884	14,926	31,132	561,960	26,065	5,278	336,780	6,030
	%	51.25	38.84	14.82	44.74	59.96	10.15	52.73	82.65	78.82	13.57	40.54	8.59
Bicycle	No	128,996	14,590	6,767	18,600	46,761	1,001	1,429	18,380	1,564	1,043	15,872	2,989
	%	2.77	4.09	7.31	1.81	3.53	.68	2.42	2.70	4.73	2.68	1.91	4.26
Motor Cycle	No	41,590	1,461	943	2,604	14,345	512	741	17,276	454	415	2,066	773
	%	.89	.41	1.02	.25	1.08	.35	1.26	2.54	1.37	1.07	.25	1.10
Cart (Hand pushed)	No	46,462	490	1,398	5,513	6,927	11,958	110	12,589	926	1,124	-	5,427
	%	1.00	.14	1.51	.54	.52	8.13	.19	1.85	2.80	2.89	-	7.73
Cart (animal drawn) - for Transporting people & goods	No	49,124	8,472	2,079	7,698	20,908	4,434	532	4,590	81	-	167	163
	%	1.05	2.37	2.25	.75	1.58	3.01	.90	.68	.24	-	.02	.23
Sewing machine	No	50,608	7,160	1,779	16,666	12,518	318	425	5,308	-	245	5,849	340
	%	1.09	2.01	1.92	1.62	.94	.22	.72	.78	-	.63	.70	.48
Weaving equipment	No	43,228	11,245	-	16,706	5,439	-	110	1,709	473	-	7,546	-
	%	.93	3.15	-	1.63	.41	-	.19	.25	1.43	-	.91	-
Builder's equipment	No	94,638	5,564	3,039	24,035	26,996	833	867	13,214	2,171	3,214	10,290	4,415
	%	2.03	1.56	3.28	2.34	2.04	.57	1.47	1.94	6.57	8.26	1.24	6.29

Table 9.1(c) Cont'd: Distribution of Households Who Own Asset by Type of Asset and Region - Urban - 2016

TYPE OF ASSETS	Entry Design	Country Level	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	S.N.N.P	Gambella	Harari	Addis Ababa	Dire Dawa
Carpenter's equipment	No	178,149	3,904	2,673	42,926	58,466	339	942	44,474	702	2,624	18,710	2,389
	%	3.82	1.09	2.89	4.18	4.41	.23	1.60	6.54	2.12	6.74	2.25	3.40
Welding equipment	No	19,069	1,162	294	4,218	6,755	282	206	3,206	39	289	2,618	-
	%	.41	.33	.32	.41	.51	.19	.35	.47	.12	.74	.32	-
Wood cutting equipment	No	31,595	13,344	519	2,059	5,408	526	1,001	7,682	59	265	587	145
	%	.68	3.74	.56	.20	.41	.36	1.70	1.13	.18	.68	.07	.21
Block production equipment	No	3,560	693	-	-	1,815	-	98	321	-	167	238	228
	%	.08	.19	-	-	.14	-	.17	.05	-	.43	.03	.32
Mitad - Electric	No	998,447	97,059	1,754	117,201	192,414	1,448	2,203	74,263	457	12,870	488,019	10,759
	%	21.42	27.20	1.90	11.40	14.51	.98	3.73	10.92	1.38	33.08	58.75	15.33
Mitad - power saving (modern)	No	287,581	1,568	17,781	79,937	126,652	1,276	1,084	32,022	461	670	12,830	13,300
	%	6.17	.44	19.21	7.78	9.55	.87	1.84	4.71	1.39	1.72	1.54	18.95
Refrigerator	No	930,192	66,022	31,370	107,369	202,507	13,169	4,111	89,609	8,017	12,582	370,932	24,504
	%	19.95	18.50	33.89	10.45	15.28	8.95	6.96	13.18	24.24	32.34	44.65	34.92
Private car	No	69,158	1,529	216	3,527	6,927	784	31	2,739	41	-	52,823	541
	%	1.48	.43	.23	.34	.52	.53	.05	.40	.12	-	6.36	.77
Car - Commercial	No	61,638	2,072	1,810	7,241	16,383	1,588	32	7,556	107	777	23,764	308
	%	1.32	.58	1.96	.70	1.24	1.08	.05	1.11	.32	2.00	2.86	.44
Bajaj	No	35,934	2,712	2,503	7,138	10,341	1,460	358	5,101	387	1,122	2,245	2,567
	%	.77	.76	2.70	.69	.78	.99	.61	.75	1.17	2.88	.27	3.66
Jewels (Gold and Silver)	No	1,712,919	193,254	20,886	435,839	436,103	13,729	18,322	258,803	15,079	21,981	260,935	37,988
	%	36.74	54.15	22.57	42.40	32.90	9.33	31.04	38.06	45.60	56.50	31.41	54.13
Wardrobe	No	1,156,554	103,757	10,631	120,817	261,977	5,310	2,407	130,647	1,890	13,636	476,268	29,214
	%	24.81	29.07	11.49	11.75	19.76	3.61	4.08	19.22	5.72	35.05	57.33	41.63
Shelf for storing goods	No	1,735,080	92,039	23,647	271,124	490,004	7,240	9,534	220,511	5,237	18,225	564,299	33,220
	%	37.22	25.79	25.55	26.38	36.96	4.92	16.15	32.43	15.84	46.84	67.93	47.34
Biogas stove (pit)	No	7,295	-	507	1,165	2,260	-	137	590	-	-	2,636	-
	%	.16	-	.55	.11	.17	-	.23	.09	-	-	.32	-
Water storage pit	No	28,741	4,202	-	9,883	9,733	1,012	517	1,549	-	731	306	808
	%	.62	1.18	-	.96	.73	.69	.88	.23	-	1.88	.04	1.15
Chat plant (No. planted)	No	101,665	1,483	-	9,607	54,357	367	3,838	29,150	298	2,119	138	308
	%	2.18	.42	-	.93	4.10	.25	6.50	4.29	.90	5.45	.02	.44
Coffee plant (No. planted)	No	272,127	4,796	-	15,727	116,705	-	7,593	124,465	2,344	122	375	-
	%	5.84	1.34	-	1.53	8.80	-	12.86	18.31	7.09	.31	.05	-
Other permanent crops (No. planted)	No	336,075	21,097	2,082	60,580	85,876	-	13,001	148,788	2,104	365	1,406	776
	%	7.21	5.91	2.25	5.89	6.48	-	22.02	21.88	6.36	.94	1.17	1.11
Forestry (Eucalyptus tree) (No. planted)	No	354,772	21,454	245	118,916	91,382	-	8,068	110,276	855	487	3,089	-
	%	7.61	6.01	.26	11.57	6.89	-	13.67	16.22	2.59	1.25	.37	-
Total		4,661,954	356,894	92,554	1,027,916	1,325,681	147,115	59,036	679,910	33,067	38,907	830,700	70,174

SHOCKS & GENERAL LIVING STANDARDS

Table 10.1(a): Distribution of Food Shortage Faced Households within 12 Months Period by Number of Months of Food Shortage and Region - Total - 2016

Region	Households Suffered from Food Shortage	Number of Months the Household Suffered from Food Shortage						Not Stated	Total
		Up to 1 Month	2 - 3 Months	4 - 6 Months	7 - 9 Months	10 - 12 Months			
Country Level	No 2,010,468 % 10.36	244,246 12.15	1,042,215 51.84	631,740 31.42	53,703 2.67	38,369 1.91	195 .01	19,399,161	
Tigray	No 143,533 % 12.11	29,947 20.86	86,936 60.57	24,506 17.07	876 .61	1,268 .88	-	1,185,543	
Afar	No 32,389 % 8.93	11,886 36.70	4,537 14.01	12,428 38.37	3,298 10.18	240 .74	-	362,739	
Amhara	No 562,786 % 11.18	73,501 13.06	334,908 59.51	137,613 24.45	2,737 .49	14,027 2.49	-	5,031,637	
Oromia	No 732,805 % 10.55	57,105 7.79	335,420 45.77	291,422 39.77	34,999 4.78	13,728 1.87	131 .02	6,945,276	
Somale	No 49,443 % 5.35	6,484 13.11	27,146 54.90	15,109 30.56	101 .20	603 1.22	-	924,962	
Benshangul-Gumuz	No 18,808 % 8.12	2,675 14.22	11,861 63.06	3,559 18.92	301 1.60	412 2.19	-	231,741	
S.N.N.P	No 449,638 % 12.34	55,632 12.37	231,855 51.56	144,817 32.21	10,875 2.42	6,395 1.42	64 .01	3,642,657	
Gambela	No 3,107 % 3.63	2,015 64.85	1,058 34.05	34 1.09	-	-	-	85,580	
Harari	No - % -	-	-	-	-	-	-	58,766	
Addis Ababa	No 11,056 % 1.33	2,776 25.11	4,651 42.07	1,649 14.91	415 3.75	1,565 14.16	-	830,700	
Dire Dawa	No 6,901 % 6.93	2,223 32.21	3,843 55.69	602 8.72	102 1.48	131 1.90	-	99,558	

Table 10.1(b): Distribution of Food Shortage Faced Households within 12 Months Period by Number of Months of Food Shortage and Region - Rural - 2016

Region	Households Suffered from Food Shortage	Number of Months the Household Suffered from Food Shortage						Not Stated	Total
		Up to 1 Month	2 - 3 Months	4 - 6 Months	7 - 9 Months	10 - 12 Months			
Country Level	No 1,793,097 % 12.17	185,939 10.37	942,094 52.54	593,020 33.07	50,773 2.83	21,271 1.19	- -	14,737,206	
Tigray	No 119,181 % 14.38	22,891 19.21	73,579 61.74	21,359 17.92	705 .59	647 .54	- -	828,649	
Afar	No 24,869 % 9.20	5,641 22.68	3,741 15.04	12,189 49.01	3,298 13.26	- -	- -	270,185	
Amhara	No 501,187 % 12.52	56,613 11.30	310,723 62.00	125,992 25.14	1,845 .37	6,014 1.20	- -	4,003,721	
Oromia	No 674,324 % 12.00	44,651 6.62	306,520 45.46	279,150 41.40	34,415 5.10	9,588 1.42	- -	5,619,595	
Somale	No 41,824 % 5.38	5,429 12.98	22,906 54.77	13,489 32.25	- -	- -	- -	777,848	
Benshangul-Gumuz	No 17,046 % 9.87	2,090 12.26	11,060 64.88	3,293 19.32	301 1.77	302 1.77	- -	172,705	
S.N.N.P	No 409,722 % 13.83	46,262 11.29	211,492 51.62	137,141 33.47	10,106 2.47	4,721 1.15	- -	2,962,747	
Gambela	No 2,098 % 4.00	1,551 73.93	547 26.07	- -	- -	- -	- -	52,513	
Harari	No - % -	- -	- -	- -	- -	- -	- -	19,859	
Dire Dawa	No 2,848 % 9.69	812 28.51	1,527 53.62	407 14.29	102 3.58	- -	- -	29,384	

Table 10.1(c): Distribution of Food Shortage Faced Households within 12 Months Period by Number of Months of Food Shortage and Region - Urban - 2016

Region	Households Suffered from Food Shortage		Number of Months the Household Suffered from Food Shortage						Total
			Up to 1 Month	2 - 3 Months	4 - 6 Months	7 - 9 Months	10 - 12 Months	Not Stated	
Country Level	No	217,370	58,307	100,121	38,720	2,930	17,097	195	4,661,955
	%	4.66	26.82	46.06	17.81	1.35	7.87	.09	
Tigray	No	24,352	7,057	13,357	3,146	171	621	-	356,894
	%	6.82	28.98	54.85	12.92	.70	2.55	-	
Afar	No	7,522	6,246	796	240	-	240	-	92,554
	%	8.13	83.04	10.58	3.19	-	3.19	-	
Amhara	No	61,600	16,888	24,186	11,621	891	8,014	-	1,027,916
	%	5.99	27.42	39.26	18.87	1.45	13.01	-	
Oromia	No	58,482	12,455	28,900	12,273	583	4,140	131	1,325,681
	%	4.41	21.30	49.42	20.99	1.00	7.08	.22	
Somale	No	7,619	1,055	4,240	1,620	101	603	-	147,115
	%	5.18	13.85	55.65	21.26	1.33	7.91	-	
Benshangul-Gumuz	No	1,762	585	801	266	-	110	-	59,036
	%	2.98	33.20	45.46	15.10	-	6.24	-	
S.N.N.P	No	39,914	9,369	20,363	7,676	768	1,674	64	679,910
	%	5.87	23.47	51.02	19.23	1.92	4.19	.16	
Gambela	No	1,011	465	512	34	-	-	-	33,067
	%	3.06	45.99	50.64	3.36	-	-	-	
Harari	No	-	-	-	-	-	-	-	38,907
	%	-	-	-	-	-	-	-	
Addis Ababa	No	11,056	2,776	4,651	1,649	415	1,565	-	830,700
	%	1.33	25.11	42.07	14.91	3.75	14.16	-	
Dire Dawa	No	4,053	1,411	2,316	195	-	131	-	70,174
	%	5.78	34.81	57.14	4.81	-	3.23	-	

Table 10.2(a): Distribution of Households by Number of Months the Current Year Production Lasts In Feeding the Household and Region - Total - 2016

Region	Number of Months						Not Stated	Total
	Up to 3 Months	4 - 6 Months	7 - 9 Months	10 - 12 Months	above 12 Months			
Country Level	No 2,041,231 % 14.57	2,627,138 18.75	2,452,076 17.50	6,491,065 46.33	375,607 2.68	24,136 .17	14,011,253 100.00	
Tigray	No 195,961 % 23.24	177,664 21.07	159,378 18.90	272,999 32.38	37,068 4.40	- -	843,070 100.00	
Afar	No 21,863 % 36.92	15,576 26.30	14,039 23.71	6,557 11.07	- -	1,186 2.00	59,221 100.00	
Amhara	No 419,989 % 10.99	527,565 13.81	587,321 15.37	2,180,770 57.07	89,931 2.35	15,531 .41	3,821,107 100.00	
Oromia	No 555,631 % 9.88	1,032,037 18.36	904,822 16.10	2,916,260 51.88	207,604 3.69	4,888 .09	5,621,242 100.00	
Somale	No 153,356 % 47.32	116,086 35.82	46,323 14.29	6,357 1.96	256 .08	1,677 .52	324,055 100.00	
Benshangul-Gumuz	No 13,922 % 7.74	20,457 11.37	31,053 17.25	114,238 63.48	301 .17	- -	179,971 100.00	
S.N.N.P	No 652,052 % 21.40	699,116 22.94	692,874 22.74	963,235 31.61	39,059 1.28	854 .03	3,047,190 100.00	
Gambela	No 9,131 % 16.29	16,597 29.61	10,553 18.83	18,845 33.62	925 1.65	- -	56,051 100.00	
Harari	No 5,643 % 26.14	8,513 39.44	2,397 11.10	4,893 22.67	140 .65	- -	21,586 100.00	
Addis Ababa	No 5,655 % 40.43	1,117 7.99	1,370 9.79	5,523 39.48	323 2.31	- -	13,988 100.00	
Dire Dawa	No 8,028 % 33.77	12,411 52.20	1,946 8.19	1,389 5.84	- -	- -	23,774 100.00	

Table 10.2(b): Distribution of Households by Number of Months the Current Year Production Lasts in Feeding the Household and Region - Rural - 2016

Region	Number of Months						Not Stated	Total
	Up to 3 Months	4 - 6 Months	7 - 9 Months	10 - 12 Months	above 12 Months			
Country Level	No 1,646,708 % 12.58	2,448,999 18.71	2,370,336 18.11	6,249,134 47.75	355,051 2.71	17,567 .13	13,087,795 100.00	
Tigray	No 150,135 % 19.99	156,328 20.81	149,525 19.91	260,087 34.62	35,110 4.67	- -	751,185 100.00	
Afar	No 20,612 % 36.38	14,540 25.66	14,021 24.75	6,539 11.54	- -	943 1.66	56,655 100.00	
Amhara	No 333,909 % 9.24	491,854 13.60	568,739 15.73	2,124,819 58.77	80,760 2.23	15,268 .42	3,615,349 100.00	
Oromia	No 425,254 % 8.09	960,953 18.29	865,642 16.47	2,802,215 53.33	200,786 3.82	- -	5,254,850 100.00	
Somale	No 149,358 % 47.19	114,386 36.14	45,991 14.53	5,407 1.71	- -	1,356 .43	316,498 100.00	
Benshangul-Gumuz	No 10,206 % 6.34	18,320 11.38	28,787 17.88	103,394 64.22	301 .19	- -	161,008 100.00	
S.N.N.P	No 538,265 % 18.93	659,110 23.18	683,804 24.05	924,822 32.53	37,367 1.31	- -	2,843,368 100.00	
Gambela	No 7,040 % 14.46	14,172 29.11	9,913 20.36	16,832 34.57	727 1.49	- -	48,684 100.00	
Harari	No 4,676 % 24.93	7,395 39.43	2,275 12.13	4,411 23.52	- -	- -	18,757 100.00	
Dire Dawa	No 7,252 % 33.83	11,940 55.70	1,638 7.64	608 2.84	- -	- -	21,438 100.00	

Table 10.2(c): Distribution of Households by Number of Months the Current Year Production Lasts in Feeding the Household and Region - Urban - 2016

Region	Number of Months						Not Stated	Total
	Up to 3 Months	4 - 6 Months	7 - 9 Months	10 - 12 Months	above 12 Months			
Country Level	No	394,524	178,140	81,740	241,930	20,556	6,569	923,459
	%	42.72	19.29	8.85	26.20	2.23	.71	100.00
Tigray	No	45,826	21,335	9,854	12,912	1,958	-	91,885
	%	49.87	23.22	10.72	14.05	2.13	-	100.00
Afar	No	1,251	1,036	18	17	-	243	2,565
	%	48.77	40.39	.70	.66	-	9.47	100.00
Amhara	No	86,080	35,711	18,581	55,951	9,171	264	205,758
	%	41.84	17.36	9.03	27.19	4.46	.13	100.00
Oromia	No	130,377	71,084	39,180	114,045	6,818	4,888	366,392
	%	35.58	19.40	10.69	31.13	1.86	1.33	100.00
Somale	No	3,998	1,700	331	950	256	321	7,556
	%	52.91	22.50	4.38	12.57	3.39	4.25	100.00
Benshangul-Gumuz	No	3,716	2,136	2,266	10,844	-	-	18,962
	%	19.60	11.26	11.95	57.19	-	-	100.00
S.N.N.P	No	113,786	40,006	9,070	38,414	1,692	854	203,822
	%	55.83	19.63	4.45	18.85	.83	.42	100.00
Gambela	No	2,091	2,426	640	2,013	199	-	7,369
	%	28.38	32.92	8.69	27.32	2.70	-	100.00
Harari	No	967	1,118	122	482	140	-	2,829
	%	34.18	39.52	4.31	17.04	4.95	-	100.00
Addis Ababa	No	5,655	1,117	1,370	5,523	323	-	13,988
	%	40.43	7.99	9.79	39.48	2.31	-	100.00
Dire Dawa	No	776	471	308	781	-	-	2,336
	%	33.22	20.16	13.18	33.43	-	-	100.00

Table 10.3(a): Distribution of Households Capable of Raising 300 Birr Within a Week Time for All Contingencies by Region - Total - 2016

Main Source of Raising 300 Birr	Entry Design	Country Level	Regions										
			Tigray	Afar	Amhara	Oromia	Somali	Benishangul Gumuz	S.N.N.P.	Gambella	Harari	Addis Ababa	Dire Dawa
From sale of Animals and their Products	No %	3,787,944 24.87	279,276 30.08	109,383 60.65	799,736 19.65	1,326,724 25.01	415,411 49.24	24,074 11.98	788,269 28.07	22,715 33.95	5,654 10.40	791 .11	15,911 19.63
Sale of Crops	No %	2,981,288 19.58	110,794 11.93	2,828 1.57	1,094,801 26.90	1,293,084 24.38	51,138 6.06	33,376 16.61	381,400 13.58	10,181 15.22	1,947 3.58	615 .09	1,124 1.39
Sale of Forest Product	No %	67,770 .45	1,803 .19	- -	17,345 .43	8,012 .15	5,974 .71	7,272 3.62	25,824 .92	91 .14	69 .13	871 .13	509 .63
Own Cash	No	3,950,999 25.94	225,694 24.31	53,419 29.62	697,577 17.14	1,419,821 26.77	255,928 30.34	63,876 31.79	683,132 24.33	21,782 32.56	28,889 53.12	473,931 68.55	26,950 33.24
Bank/Saving Other Insurance	No %	487,393 3.20	21,836 2.35	1,428 .79	111,621 2.74	193,469 3.65	3,596 .43	8,753 4.36	55,615 1.98	5,092 7.61	3,239 5.96	74,015 10.70	8,729 10.77
Equb	No %	101,797 .67	2,598 .28	- -	12,637 .31	9,957 .19	112 .01	830 .41	74,868 2.67	129 .19	97 .18	569 .08	- -
Edir	No %	171,378 1.13	228 .02	- -	3,813 .09	65,255 1.23	- -	725 .36	100,673 3.59	258 .39	- -	198 .03	228 .28
Loan in Bank or Equivalent	No %	59,412 .39	5,596 .60	18 .01	25,926 .64	12,989 .24	211 .03	1,226 .61	11,066 .39	32 .05	138 .25	2,210 .32	- -
Loan from Relatives	No %	2,545,083 16.71	168,582 18.15	7,990 4.43	1,027,944 25.26	643,912 12.14	88,719 10.52	48,797 24.29	437,342 15.58	3,355 5.01	6,132 11.28	95,822 13.86	16,488 20.34
Gift from Relatives	No %	319,638 2.10	39,781 4.28	659 .37	101,986 2.51	106,828 2.01	15,936 1.89	7,399 3.68	23,908 .85	338 .51	3,237 5.95	17,492 2.53	2,074 2.56
Loan from Non Relative	No %	644,931 4.24	61,343 6.61	4,562 2.53	121,425 2.98	214,133 4.04	6,311 .75	3,193 1.59	199,110 7.09	1,775 2.65	4,440 8.16	20,066 2.90	8,573 10.58
Gift from Non Relative	No %	43,969 .29	4,090 .44	53 .03	30,001 .74	3,805 .07	261 .03	396 .20	3,136 .11	39 .06	410 .75	1,778 .26	- -

Table 10.3(a) Cont'd: Distribution of Households Capable of Raising 300 Birr Within a Week Time for All Contingencies by Region - Total - 2016

Main Source of Raising 300 Birr	Entry Design	Country level	Regions										
			Tigray	Afar	Amhara	Oromia	Somali	Benishangul Gumuz	S.N.N.P.	Gambella	Harari	Addis Ababa	Dire Dawa
Sale of Household Assets	No %	8,058 .05	1,355 .15	- -	214 .01	3,110 .06	- -	- -	706 .03	706 1.06	- -	1,967 .28	- -
Sale of Personal Items (Jewellery...)	No %	4,698 .03	629 .07	- -	2,329 .06	921 .02	- -	- -	189 .01	315 .47	- -	315 .05	- -
Others	No %	54,138 .36	4,974 .54	- -	22,262 .55	1,781 .03	- -	1,006 .50	22,645 .81	95 .14	130 .24	766 .11	479 .59
Not Stated	No %	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Total	No %	15,228,496 100.00	928,579 100.00	180,340 100.00	4,069,617 100.00	5,303,801 100.00	843,597 100.00	200,923 100.00	2,807,883 100.00	66,903 100.00	54,382 100.00	691,406 100.00	81,065 100.00

Table 10.3(b): Distribution of Households Capable of Raising 300 Birr Within a Week Time for All Contingencies by Region - Rural - 2016

Main Source of Raising 300 Birr	Entry Design	Country Level	Regions										Addis Ababa	Dire Dawa
			Tigray	Afar	Amhara	Oromia	Somali	Benishangul Gumuz	S.N.N.P.	Gambella	Harari			
From sale of Animals and their Products	No	3,678,214	267,868	108,310	782,167	1,291,974	404,648	22,199	758,521	21,369	5,654	-	15,504	
	%	31.95	40.28	76.20	24.07	30.08	56.87	14.99	34.26	52.65	28.87	-	55.67	
Sale of Crops	No	2,900,360	102,968	2,811	1,069,767	1,257,851	51,138	28,838	374,614	10,003	1,246	-	1,124	
	%	25.19	15.49	1.98	32.92	29.29	7.19	19.47	16.92	24.65	6.36	-	4.04	
Sale of Forest Product	No	64,478	1,803	-	17,128	7,668	5,405	6,583	25,222	91	69	-	509	
	%	.56	.27	-	.53	.18	.76	4.44	1.14	.22	.35	-	1.83	
Own Cash	No	1,917,933	107,784	23,959	332,004	882,280	172,849	38,365	346,915	4,099	8,256	-	1,422	
	%	16.66	16.21	16.86	10.22	20.54	24.29	25.90	15.67	10.10	42.16	-	5.11	
Bank/Saving Other Insurance	No	129,563	6,746	-	42,714	61,420	1,332	3,304	11,823	2,017	207	-	-	
	%	1.13	1.01	-	1.31	1.43	.19	2.23	.53	4.97	1.06	-	-	
Equb	No	84,647	1,759	-	6,290	5,083	-	-	71,425	90	-	-	-	
	%	.74	.26	-	.19	.12	-	-	3.23	.22	-	-	-	
Edir	No	162,653	-	-	3,627	62,116	-	601	96,129	180	-	-	-	
	%	1.41	-	-	.11	1.45	-	.41	4.34	.44	-	-	-	
Loan in Bank or Equivalent	No	29,999	3,375	-	10,361	7,382	-	595	8,148	-	138	-	-	
	%	.26	.51	-	.32	.17	-	.40	.37	-	.70	-	-	
Loan from Relatives	No	1,930,059	123,632	4,706	830,734	498,535	66,486	38,307	353,904	1,274	3,805	-	8,676	
	%	16.76	18.59	3.31	25.56	11.61	9.34	25.86	15.99	3.14	19.43	-	31.15	
Gift from Relatives	No	156,818	19,783	-	43,734	70,428	6,909	5,716	9,610	90	138	-	410	
	%	1.36	2.98	-	1.35	1.64	.97	3.86	.43	.22	.70	-	1.47	
Loan from Non Relative	No	402,387	27,216	2,356	68,565	149,865	2,727	2,403	148,620	363	68	-	204	
	%	3.50	4.09	1.66	2.11	3.49	.38	1.62	6.71	.89	.35	-	.73	
Gift from Non Relative	No	25,593	1,161	-	22,551	-	-	298	1,583	-	-	-	-	
	%	.22	.17	-	.69	-	-	.20	.07	-	-	-	-	

Table 10.3(b) Cont'd: Distribution of Households Capable of Raising 300 Birr Within a Week Time for All Contingencies by Region - Rural - 2016

Main Source of Raising 300 Birr	Entry Design	Country Level	Regions										Addis Ababa	Dire Dawa
			Tigray	Afar	Amhara	Oromia	Somali	Benishangul Gumuz	S.N.N.P.	Gambella	Harari			
Sale of Household Assets	No %	639 .01	- -	- -	- -	- -	- -	- -	- -	- -	- -	639 1.57	- -	- -
Sale of Personal Items (Jewellery...)	No %	2,096 .02	- -	- -	1,822 .06	- -	- -	- -	- -	- -	- -	274 .68	- -	- -
Others	No %	27,119 .24	856 .13	- -	18,034 .55	- -	- -	895 .60	7,239 .33	95 .23	- -	- -	- -	- -
Not Stated	No %	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Total	No %	11,512,558 100.00	664,951 100.00	142,142 100.00	3,249,498 100.00	4,294,602 100.00	711,494 100.00	148,104 100.00	2,213,753 100.00	40,584 100.00	19,581 100.00	- -	27,849 100.00	

Table 10.3(c): Distribution of Households Capable of Raising 300 Birr Within a Week Time for All Contingencies by Region - Urban - 2016

Main Source of Raising 300 Birr	Entry Design	Country Levell	Regions										Dire Dawa
			Tigray	Afar	Amhara	Oromia	Somali	Benishangul Gumuz	S.N.N.P.	Gambella	Harari	Addis Ababa	
From sale of Animals and their Products	No %	109,728 2.95	11,408 4.33	1,072 2.81	17,569 2.14	34,750 3.44	10,764 8.15	1,875 3.55	29,748 5.01	1,345 5.11	- -	791 .11	406 .76
Sale of Crops	No %	80,929 2.18	7,827 2.97	18 .05	25,033 3.05	35,233 3.49	- -	4,538 8.59	6,786 1.14	178 .68	701 2.01	615 .09	- -
Sale of Forest Product	No %	3,291 .09	- -	- -	216 .03	344 .03	568 .43	689 1.30	603 .10	- -	- -	871 .13	- -
Own Cash	No	2,033,065 54.71	117,910 44.73	29,459 77.13	365,574 44.58	537,541 53.26	83,079 62.89	25,511 48.30	336,217 56.59	17,683 67.20	20,633 59.29	473,931 68.55	25,527 47.97
Bank/Saving Other Insurance	No %	357,829 9.63	15,090 5.72	1,428 3.74	68,907 8.40	132,049 13.08	2,264 1.71	5,449 10.32	43,792 7.37	3,075 11.69	3,031 8.71	74,015 10.70	8,729 16.40
Equb	No %	17,147 .46	839 .32	- -	6,346 .77	4,874 .48	112 .08	830 1.57	3,442 .58	38 .14	97 .28	569 .08	- -
Edir	No %	8,723 .23	228 .09	- -	186 .02	3,139 .31	- -	123 .23	4,544 .76	77 .29	- -	198 .03	228 .43
Loan in Bank or Equivalent	No %	29,414 .79	2,221 .84	18 .05	15,565 1.90	5,608 .56	211 .16	631 1.19	2,918 .49	32 .12	- -	2,210 .32	- -
Loan from Relatives	No %	615,024 16.55	44,950 17.05	3,284 8.60	197,210 24.05	145,377 14.41	22,233 16.83	10,490 19.86	83,439 14.04	2,080 7.90	2,327 6.69	95,822 13.86	7,812 14.68
Gift from Relatives	No %	162,820 4.38	19,998 7.59	659 1.73	58,252 7.10	36,400 3.61	9,027 6.83	1,683 3.19	14,298 2.41	248 .94	3,099 8.91	17,492 2.53	1,664 3.13
Loan from Non relative	No %	242,543 6.53	34,127 12.95	2,205 5.77	52,860 6.45	64,268 6.37	3,584 2.71	790 1.50	50,490 8.50	1,412 5.37	4,372 12.56	20,066 2.90	8,369 15.73
Gift from Non relative	No %	18,376 .49	2,929 1.11	53 .14	7,450 .91	3,805 .38	261 .20	98 .19	1,553 .26	39 .15	410 1.18	1,778 .26	- -

Table 10.3(c) Cont'd: Distribution of Households Capable of Raising 300 Birr Within a Week Time for All Contingencies by Region - Urban - 2016

Main Source of Raising 300 Birr	Entry Design	Country Total	Regions										
			Tigray	Afar	Amhara	Oromia	Somali	Benishangul Gumuz	S.N.N.P.	Gambella	Harari	Addis Ababa	Dire Dawa
Sale of Household Assets	No %	7,418 .20	1,355 .51	- -	214 .03	3,110 .31	- -	- -	706 .12	66 .25	- -	1,967 .28	- -
Sale of Personal Items (Jewellery...)	No %	2,602 .07	629 .24	- -	506 .06	921 .09	- -	- -	189 .03	42 .16	- -	315 .05	- -
Others	No %	27,019 .73	4,119 1.56	- -	4,227 .52	1,781 .18	- -	111 .21	15,406 2.59	- -	130 .37	766 .11	479 .90
Not Stated	No %	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Total	No %	3,715,928 100.00	263,630 100.00	38,196 100.00	820,115 100.00	1,009,200 100.00	132,103 100.00	52,818 100.00	594,131 100.00	26,315 100.00	34,800 100.00	691,406 100.00	53,214 100.00

Table 10.4(a): Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Total - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Country Level										
Crop Failure	No	1,267,034	79,084	11,050	1,981	892	-	-	-	1,360,041
	%	93.16	5.81	.81	.15	.07	-	-	-	100.00
Death of HH Member	No	17,556	15,449	6,665	138	-	-	-	-	39,808
	%	44.10	38.81	16.74	.35	-	-	-	-	100.00
Death of Working HH Member	No	11,525	22,575	-	2,175	-	-	225	-	36,500
	%	31.58	61.85	-	5.96	-	-	.62	-	100.00
Death of the Head of the HH	No	57,385	26,748	16,667	987	-	-	-	-	101,787
	%	56.38	26.28	16.37	.97	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	78,006	47,371	14,895	7,753	128	-	366	-	148,519
	%	52.52	31.90	10.03	5.22	.09	-	.25	-	100.00
Loss or Reduced Employment for a HH Member	No	31,850	23,858	10,589	3,674	2,895	318	-	-	73,184
	%	43.52	32.60	14.47	5.02	3.96	.43	-	-	100.00
Reduced Income of a HH Member	No	206,154	379,645	68,474	15,192	-	-	318	-	669,783
	%	30.78	56.68	10.22	2.27	-	-	.05	-	100.00
Unusually High Prices for Food	No	32,116	145,904	98,175	12,912	683	-	-	-	289,790
	%	11.08	50.35	33.88	4.46	.24	-	-	-	100.00
Unusually High Level of Human Disease	No	11,243	32,119	32,679	13,380	3,734	-	-	-	93,155
	%	12.07	34.48	35.08	14.36	4.01	-	-	-	100.00
Theft of Productive Resources	No	865	3,386	896	478	-	-	-	-	5,625
	%	15.38	60.20	15.93	8.50	-	-	-	-	100.00
Relocation of the Family	No	7,294	17,286	13,874	1,143	560	-	-	-	40,157
	%	18.16	43.05	34.55	2.85	1.39	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	8,580	3,253	1,421	2,230	-	-	-	-	15,484
	%	55.41	21.01	9.18	14.40	-	-	-	-	100.00
Floods	No	21,178	21,982	10,032	6,199	653	-	-	-	60,044
	%	35.27	36.61	16.71	10.32	1.09	-	-	-	100.00
Other	No	113,879	134,967	56,195	10,381	-	-	-	-	315,422
	%	36.10	42.79	17.82	3.29	-	-	-	-	100.00

Table 10.4(a) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Total - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Afar										
Crop Failure	No	14,501	-	-	-	-	-	-	-	14,501
	%	100.00	-	-	-	-	-	-	-	100.00
Death of HH Member	No	705	-	-	-	-	-	-	-	705
	%	100.00	-	-	-	-	-	-	-	100.00
Death of Working HH Member	No	-	467	-	-	-	-	-	-	467
	%	-	100.00	-	-	-	-	-	-	100.00
Death of the Head of the HH	No	240	-	-	-	-	-	-	-	240
	%	100.00	-	-	-	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	459	-	-	-	-	-	-	-	459
	%	100.00	-	-	-	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	178	219	-	-	-	-	-	-	397
	%	44.84	55.16	-	-	-	-	-	-	100.00
Reduced Income of a HH Member	No	5,861	12,628	1,872	-	-	-	-	-	20,361
	%	28.79	62.02	9.19	-	-	-	-	-	100.00
Unusually High Prices for Food	No	-	5,668	12,158	467	-	-	-	-	18,293
	%	-	30.98	66.46	2.55	-	-	-	-	100.00
Unusually High Level of Human Disease	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Theft of Productive Resources	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Relocation of the Family	No	240	-	-	-	-	-	-	-	240
	%	100.00	-	-	-	-	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Floods	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Other	No	-	-	948	2,335	-	-	-	-	3,283
	%	-	-	28.88	71.12	-	-	-	-	100.00

Table 10.4(a) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Total - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Oromia										
Crop Failure	No	466,103	19,070	-	-	571	-	-	-	485,744
	%	95.96	3.93	-	-	.12	-	-	-	100.00
Death of HH Member	No	2,521	4,770	4,075	-	-	-	-	-	11,366
	%	22.18	41.97	35.85	-	-	-	-	-	100.00
Death of Working HH Member	No	403	3,090	-	-	-	-	-	-	3,493
	%	11.54	88.46	-	-	-	-	-	-	100.00
Death of the Head of the HH	No	17,856	3,576	5,073	580	-	-	-	-	27,085
	%	65.93	13.20	18.73	2.14	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	34,868	6,857	695	4,266	-	-	-	-	46,686
	%	74.69	14.69	1.49	9.14	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	6,508	6,405	4,568	3,141	2,552	318	-	-	23,492
	%	27.70	27.26	19.44	13.37	10.86	1.35	-	-	100.00
Reduced Income of a HH Member	No	70,730	66,025	14,463	-	-	-	318	-	151,536
	%	46.68	43.57	9.54	-	-	-	.21	-	100.00
Unusually High Prices for Food	No	3,270	30,099	17,025	4,118	-	-	-	-	54,512
	%	6.00	55.22	31.23	7.55	-	-	-	-	100.00
Unusually High Level of Human Disease	No	1,856	12,696	3,534	5,601	-	-	-	-	23,687
	%	7.84	53.60	14.92	23.65	-	-	-	-	100.00
Theft of Productive Resources	No	318	-	-	478	-	-	-	-	796
	%	39.95	-	-	60.05	-	-	-	-	100.00
Relocation of the Family	No	1,623	5,937	7,258	-	318	-	-	-	15,136
	%	10.72	39.22	47.95	-	2.10	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	2,809	-	-	-	-	-	-	-	2,809
	%	100.00	-	-	-	-	-	-	-	100.00
Floods	No	2,543	5,152	-	-	-	-	-	-	7,695
	%	33.05	66.95	-	-	-	-	-	-	100.00
Other	No	46,373	88,734	29,257	2,285	-	-	-	-	166,649
	%	27.83	53.25	17.56	1.37	-	-	-	-	100.00

Table 10.4(a) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Total - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
S.N.N.P										
Crop Failure	No	312,633	20,504	8,376	1,981	321	-	-	-	343,815
	%	90.93	5.96	2.44	.58	.09	-	-	-	100.00
Death of HH Member	No	6,843	5,909	1,784	-	-	-	-	-	14,536
	%	47.08	40.65	12.27	-	-	-	-	-	100.00
Death of Working HH Member	No	7,912	10,151	-	1,986	-	-	-	-	20,049
	%	39.46	50.63	-	9.91	-	-	-	-	100.00
Death of the Head of the HH	No	14,747	16,360	5,507	407	-	-	-	-	37,021
	%	39.83	44.19	14.88	1.10	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	10,127	15,694	8,723	2,136	128	-	-	-	36,808
	%	27.51	42.64	23.70	5.80	.35	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	4,525	7,336	4,865	272	342	-	-	-	17,340
	%	26.10	42.31	28.06	1.57	1.97	-	-	-	100.00
Reduced Income of a HH Member	No	30,918	204,550	31,691	13,477	-	-	-	-	280,636
	%	11.02	72.89	11.29	4.80	-	-	-	-	100.00
Unusually High Prices for Food	No	8,678	81,888	53,719	7,478	537	-	-	-	152,300
	%	5.70	53.77	35.27	4.91	.35	-	-	-	100.00
Unusually High Level of Human Disease	No	4,242	10,487	21,179	6,741	3,734	-	-	-	46,383
	%	9.15	22.61	45.66	14.53	8.05	-	-	-	100.00
Theft of Productive Resources	No	-	-	896	-	-	-	-	-	896
	%	-	-	100.00	-	-	-	-	-	100.00
Relocation of the Family	No	411	4,090	6,489	871	242	-	-	-	12,103
	%	3.40	33.79	53.61	7.20	2.00	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	896	-	697	2,004	-	-	-	-	3,597
	%	24.91	-	19.38	55.71	-	-	-	-	100.00
Floods	No	-	3,033	8,464	5,901	351	-	-	-	17,749
	%	-	17.09	47.69	33.25	1.98	-	-	-	100.00
Other	No	24,105	4,714	4,623	4,942	-	-	-	-	38,384
	%	62.80	12.28	12.04	12.88	-	-	-	-	100.00

Table 10.4(a) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Total - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total	
		1	2	3	4	5	6	7	8		
Addis Ababa											
Crop Failure	No	-	138	-	-	-	-	-	-	-	138
	%	-	100.00	-	-	-	-	-	-	-	100.00
Death of HH Member	No	225	138	-	138	-	-	-	-	-	501
	%	44.91	27.54	-	27.54	-	-	-	-	-	100.00
Death of Working HH Member	No	511	276	-	-	-	-	225	-	-	1,012
	%	50.49	27.27	-	-	-	-	22.23	-	-	100.00
Death of the Head of the HH	No	136	276	-	-	-	-	-	-	-	412
	%	33.01	66.99	-	-	-	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	1,013	415	211	-	-	-	366	-	-	2,005
	%	50.52	20.70	10.52	-	-	-	18.25	-	-	100.00
Loss or Reduced Employment for a HH Member	No	1,047	138	-	260	-	-	-	-	-	1,445
	%	72.46	9.55	-	17.99	-	-	-	-	-	100.00
Reduced Income of a HH Member	No	2,456	2,117	-	-	-	-	-	-	-	4,573
	%	53.71	46.29	-	-	-	-	-	-	-	100.00
Unusually High Prices for Food	No	911	1,796	931	-	-	-	-	-	-	3,638
	%	25.04	49.37	25.59	-	-	-	-	-	-	100.00
Unusually High Level of Human Disease	No	610	377	624	144	-	-	-	-	-	1,755
	%	34.76	21.48	35.56	8.21	-	-	-	-	-	100.00
Theft of Productive Resources	No	-	138	-	-	-	-	-	-	-	138
	%	-	100.00	-	-	-	-	-	-	-	100.00
Relocation of the Family	No	239	247	-	-	-	-	-	-	-	486
	%	49.18	50.82	-	-	-	-	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	-	138	-	225	-	-	-	-	-	363
	%	-	38.02	-	61.98	-	-	-	-	-	100.00
Floods	No	-	138	-	-	-	-	-	-	-	138
	%	-	100.00	-	-	-	-	-	-	-	100.00
Other	No	1,898	505	912	511	-	-	-	-	-	3,826
	%	49.61	13.20	23.84	13.36	-	-	-	-	-	100.00

Table 10.4(a) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Total - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Dire Dawa										
Crop Failure	No	2,238	-	-	-	-	-	-	-	2,238
	%	100.00	-	-	-	-	-	-	-	100.00
Death of HH Member	No	-	102	-	-	-	-	-	-	102
	%	-	100.00	-	-	-	-	-	-	100.00
Death of Working HH Member	No	-	102	-	-	-	-	-	-	102
	%	-	100.00	-	-	-	-	-	-	100.00
Death of the Head of the HH	No	-	102	-	-	-	-	-	-	102
	%	-	100.00	-	-	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	439	102	-	-	-	-	-	-	541
	%	81.15	18.85	-	-	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	503	102	-	-	-	-	-	-	605
	%	83.14	16.86	-	-	-	-	-	-	100.00
Reduced Income of a HH Member	No	2,440	1,287	195	-	-	-	-	-	3,922
	%	62.21	32.81	4.97	-	-	-	-	-	100.00
Unusually High Prices for Food	No	423	2,128	761	-	-	-	-	-	3,312
	%	12.77	64.25	22.98	-	-	-	-	-	100.00
Unusually High Level of Human Disease	No	145	102	503	308	-	-	-	-	1,058
	%	13.71	9.64	47.54	29.11	-	-	-	-	100.00
Theft of Productive Resources	No	-	102	-	-	-	-	-	-	102
	%	-	100.00	-	-	-	-	-	-	100.00
Relocation of the Family	No	-	102	-	-	-	-	-	-	102
	%	-	100.00	-	-	-	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	101	102	131	-	-	-	-	-	334
	%	30.24	30.54	39.22	-	-	-	-	-	100.00
Floods	No	-	102	-	-	-	-	-	-	102
	%	-	100.00	-	-	-	-	-	-	100.00
Other	No	102	102	228	308	-	-	-	-	740
	%	13.78	13.78	30.81	41.62	-	-	-	-	100.00

Table 10.4(b): Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Rural - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Country Level										
Crop Failure	No	1,233,496	69,801	8,156	1,981	-	-	-	-	1,313,434
	%	93.91	5.31	.62	.15	-	-	-	-	100.00
Death of HH Member	No	14,193	13,546	4,093	-	-	-	-	-	31,832
	%	44.59	42.55	12.86	-	-	-	-	-	100.00
Death of Working HH Member	No	8,249	19,921	-	1,859	-	-	-	-	30,029
	%	27.47	66.34	-	6.19	-	-	-	-	100.00
Death of the Head of the HH	No	48,017	22,556	15,888	-	-	-	-	-	86,461
	%	55.54	26.09	18.38	-	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	54,138	39,149	12,274	5,432	-	-	-	-	110,993
	%	48.78	35.27	11.06	4.89	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	18,531	12,289	5,504	2,577	2,552	-	-	-	41,453
	%	44.70	29.65	13.28	6.22	6.16	-	-	-	100.00
Reduced Income of a HH Member	No	147,074	346,301	54,676	14,424	-	-	-	-	562,475
	%	26.15	61.57	9.72	2.56	-	-	-	-	100.00
Unusually High Prices for Food	No	17,466	120,791	81,890	6,447	-	-	-	-	226,594
	%	7.71	53.31	36.14	2.85	-	-	-	-	100.00
Unusually High Level of Human Disease	No	6,349	24,243	26,359	10,595	1,637	-	-	-	69,183
	%	9.18	35.04	38.10	15.31	2.37	-	-	-	100.00
Theft of Productive Resources	No	-	1,936	896	-	-	-	-	-	2,832
	%	-	68.36	31.64	-	-	-	-	-	100.00
Relocation of the Family	No	3,733	12,773	8,999	-	-	-	-	-	25,505
	%	14.64	50.08	35.28	-	-	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	5,443	1,936	593	2,004	-	-	-	-	9,976
	%	54.56	19.41	5.94	20.09	-	-	-	-	100.00
Floods	No	21,042	19,909	8,842	5,103	303	-	-	-	55,199
	%	38.12	36.07	16.02	9.24	.55	-	-	-	100.00
Other	No	97,213	125,231	50,097	9,008	-	-	-	-	281,549
	%	34.53	44.48	17.79	3.20	-	-	-	-	100.00

Table 10.4(b) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Rural - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Afar										
Crop Failure	No	14,501	-	-	-	-	-	-	-	14,501
	%	100.00	-	-	-	-	-	-	-	100.00
Death of HH Member	No	465	-	-	-	-	-	-	-	465
	%	100.00	-	-	-	-	-	-	-	100.00
Death of Working HH Member	No	-	467	-	-	-	-	-	-	467
	%	-	100.00	-	-	-	-	-	-	100.00
Death of the Head of the HH	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Serious Illness or Accident of HH Member	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Loss or Reduced Employment for a HH Member	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Reduced Income of a HH Member	No	4,262	12,628	1,872	-	-	-	-	-	18,762
	%	22.72	67.31	9.98	-	-	-	-	-	100.00
Unusually High Prices for Food	No	-	5,668	12,158	467	-	-	-	-	18,293
	%	-	30.98	66.46	2.55	-	-	-	-	100.00
Unusually High Level of Human Disease	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Theft of Productive Resources	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Relocation of the Family	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Cut Off Remittances From Relatives Working Abroad	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Floods	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Other	No	-	-	948	2,335	-	-	-	-	3,283
	%	-	-	28.88	71.12	-	-	-	-	100.00

Table 10.4(b) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Rural - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total	
		1	2	3	4	5	6	7	8		
Oromia											
Crop Failure	No	459,398	16,766	-	-	-	-	-	-	-	476,164
	%	96.48	3.52	-	-	-	-	-	-	-	100.00
Death of HH Member	No	2,521	4,770	2,564	-	-	-	-	-	-	9,855
	%	25.58	48.40	26.02	-	-	-	-	-	-	100.00
Death of Working HH Member	No	-	2,521	-	-	-	-	-	-	-	2,521
	%	-	100.00	-	-	-	-	-	-	-	100.00
Death of the Head of the HH	No	15,003	2,565	5,073	-	-	-	-	-	-	22,641
	%	66.26	11.33	22.41	-	-	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	27,465	5,063	-	2,552	-	-	-	-	-	35,080
	%	78.29	14.43	-	7.27	-	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	2,552	2,564	2,269	2,577	2,552	-	-	-	-	12,514
	%	20.39	20.49	18.13	20.59	20.39	-	-	-	-	100.00
Reduced Income of a HH Member	No	51,703	57,341	10,240	-	-	-	-	-	-	119,284
	%	43.34	48.07	8.58	-	-	-	-	-	-	100.00
Unusually High Prices for Food	No	2,208	20,164	12,228	2,521	-	-	-	-	-	37,121
	%	5.95	54.32	32.94	6.79	-	-	-	-	-	100.00
Unusually High Level of Human Disease	No	-	10,158	2,532	5,031	-	-	-	-	-	17,721
	%	-	57.32	14.29	28.39	-	-	-	-	-	100.00
Theft of Productive Resources	No	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-
Relocation of the Family	No	-	5,129	5,116	-	-	-	-	-	-	10,245
	%	-	50.06	49.94	-	-	-	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	2,238	-	-	-	-	-	-	-	-	2,238
	%	100.00	-	-	-	-	-	-	-	-	100.00
Floods	No	2,543	5,152	-	-	-	-	-	-	-	7,695
	%	33.05	66.95	-	-	-	-	-	-	-	100.00
Other	No	44,128	87,443	27,842	2,285	-	-	-	-	-	161,698
	%	27.29	54.08	17.22	1.41	-	-	-	-	-	100.00

Table 10.4(b) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Rural - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
S.N.N.P										
Crop Failure	No	304,438	20,374	7,853	1,981	-	-	-	-	334,646
	%	90.97	6.09	2.35	.59	-	-	-	-	100.00
Death of HH Member	No	5,798	5,515	1,528	-	-	-	-	-	12,841
	%	45.15	42.95	11.90	-	-	-	-	-	100.00
Death of Working HH Member	No	6,667	8,830	-	1,859	-	-	-	-	17,356
	%	38.41	50.88	-	10.71	-	-	-	-	100.00
Death of the Head of the HH	No	11,631	14,942	5,444	-	-	-	-	-	32,017
	%	36.33	46.67	17.00	-	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	5,034	13,900	7,009	1,528	-	-	-	-	27,471
	%	18.32	50.60	25.51	5.56	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	896	3,054	3,234	-	-	-	-	-	7,184
	%	12.47	42.51	45.02	-	-	-	-	-	100.00
Reduced Income of a HH Member	No	22,657	194,965	27,047	12,856	-	-	-	-	257,525
	%	8.80	75.71	10.50	4.99	-	-	-	-	100.00
Unusually High Prices for Food	No	4,749	76,009	46,375	3,156	-	-	-	-	130,289
	%	3.64	58.34	35.59	2.42	-	-	-	-	100.00
Unusually High Level of Human Disease	No	3,485	8,610	19,091	5,564	1,637	-	-	-	38,387
	%	9.08	22.43	49.73	14.49	4.26	-	-	-	100.00
Theft of Productive Resources	No	-	-	896	-	-	-	-	-	896
	%	-	-	100.00	-	-	-	-	-	100.00
Relocation of the Family	No	-	2,877	3,883	-	-	-	-	-	6,760
	%	-	42.56	57.44	-	-	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	896	-	-	2,004	-	-	-	-	2,900
	%	30.90	-	-	69.10	-	-	-	-	100.00
Floods	No	-	1,630	7,273	4,805	-	-	-	-	13,708
	%	-	11.89	53.06	35.05	-	-	-	-	100.00
Other	No	22,557	3,559	4,562	4,389	-	-	-	-	35,067
	%	64.33	10.15	13.01	12.52	-	-	-	-	100.00

Table 10.4(c): Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Urban - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Country Level										
Crop Failure	No	33,539	9,283	2,894	-	892	-	-	-	46,608
	%	71.96	19.92	6.21	-	1.91	-	-	-	100.00
Death of HH Member	No	3,363	1,903	2,572	138	-	-	-	-	7,976
	%	42.16	23.86	32.25	1.73	-	-	-	-	100.00
Death of Working HH Member	No	3,277	2,655	-	316	-	-	225	-	6,473
	%	50.63	41.02	-	4.88	-	-	3.48	-	100.00
Death of the Head of the HH	No	9,368	4,192	779	987	-	-	-	-	15,326
	%	61.12	27.35	5.08	6.44	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	23,868	8,222	2,621	2,321	128	-	366	-	37,526
	%	63.60	21.91	6.98	6.19	.34	-	.98	-	100.00
Loss or Reduced Employment for a HH Member	No	13,320	11,569	5,086	1,097	342	318	-	-	31,732
	%	41.98	36.46	16.03	3.46	1.08	1.00	-	-	100.00
Reduced Income of a HH Member	No	59,080	33,344	13,799	768	-	-	318	-	107,309
	%	55.06	31.07	12.86	.72	-	-	.30	-	100.00
Unusually High Prices for Food	No	14,650	25,113	16,285	6,466	683	-	-	-	63,197
	%	23.18	39.74	25.77	10.23	1.08	-	-	-	100.00
Unusually High Level of Human Disease	No	4,894	7,877	6,319	2,785	2,097	-	-	-	23,972
	%	20.42	32.86	26.36	11.62	8.75	-	-	-	100.00
Theft of Productive Resources	No	865	1,450	-	478	-	-	-	-	2,793
	%	30.97	51.92	-	17.11	-	-	-	-	100.00
Relocation of the Family	No	3,561	4,514	4,875	1,143	560	-	-	-	14,653
	%	24.30	30.81	33.27	7.80	3.82	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	3,137	1,317	827	225	-	-	-	-	5,506
	%	56.97	23.92	15.02	4.09	-	-	-	-	100.00
Floods	No	136	2,073	1,191	1,096	351	-	-	-	4,847
	%	2.81	42.77	24.57	22.61	7.24	-	-	-	100.00
Other	No	16,665	9,737	6,098	1,372	-	-	-	-	33,872
	%	49.20	28.75	18.00	4.05	-	-	-	-	100.00

Table 10.4(c) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Urban - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Amhara										
Crop Failure	No	12,256	5,247	2,243	-	-	-	-	-	19,746
	%	62.07	26.57	11.36	-	-	-	-	-	100.00
Death of HH Member	No	861	598	585	-	-	-	-	-	2,044
	%	42.12	29.26	28.62	-	-	-	-	-	100.00
Death of Working HH Member	No	532	-	-	188	-	-	-	-	720
	%	73.89	-	-	26.11	-	-	-	-	100.00
Death of the Head of the HH	No	1,691	908	-	-	-	-	-	-	2,599
	%	65.06	34.94	-	-	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	5,105	1,938	-	-	-	-	-	-	7,043
	%	72.48	27.52	-	-	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	1,467	1,624	547	-	-	-	-	-	3,638
	%	40.32	44.64	15.04	-	-	-	-	-	100.00
Reduced Income of a HH Member	No	15,227	8,257	4,526	-	-	-	-	-	28,010
	%	54.36	29.48	16.16	-	-	-	-	-	100.00
Unusually High Prices for Food	No	4,044	4,615	2,452	547	-	-	-	-	11,658
	%	34.69	39.59	21.03	4.69	-	-	-	-	100.00
Unusually High Level of Human Disease	No	723	2,535	1,616	585	-	-	-	-	5,459
	%	13.24	46.44	29.60	10.72	-	-	-	-	100.00
Theft of Productive Resources	No	547	297	-	-	-	-	-	-	844
	%	64.81	35.19	-	-	-	-	-	-	100.00
Relocation of the Family	No	439	1,538	-	273	-	-	-	-	2,250
	%	19.51	68.36	-	12.13	-	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	679	343	-	-	-	-	-	-	1,022
	%	66.44	33.56	-	-	-	-	-	-	100.00
Floods	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Other	No	9,233	4,830	3,483	-	-	-	-	-	17,546
	%	52.62	27.53	19.85	-	-	-	-	-	100.00

Table 10.4(c) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Urban - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
Oromia										
Crop Failure	No	6,705	2,304	-	-	571	-	-	-	9,580
	%	69.99	24.05	-	-	5.96	-	-	-	100.00
Death of HH Member	No	-	-	1,511	-	-	-	-	-	1,511
	%	-	-	100.00	-	-	-	-	-	100.00
Death of Working HH Member	No	403	569	-	-	-	-	-	-	972
	%	41.46	58.54	-	-	-	-	-	-	100.00
Death of the Head of the HH	No	2,853	1,012	-	580	-	-	-	-	4,445
	%	64.18	22.77	-	13.05	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	7,403	1,794	695	1,713	-	-	-	-	11,605
	%	63.79	15.46	5.99	14.76	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	3,955	3,841	2,298	564	-	318	-	-	10,976
	%	36.03	34.99	20.94	5.14	-	2.90	-	-	100.00
Reduced Income of a HH Member	No	19,026	8,684	4,222	-	-	-	318	-	32,250
	%	59.00	26.93	13.09	-	-	-	.99	-	100.00
Unusually High Prices for Food	No	1,062	9,936	4,797	1,596	-	-	-	-	17,391
	%	6.11	57.13	27.58	9.18	-	-	-	-	100.00
Unusually High Level of Human Disease	No	1,856	2,538	1,002	569	-	-	-	-	5,965
	%	31.11	42.55	16.80	9.54	-	-	-	-	100.00
Theft of Productive Resources	No	318	-	-	478	-	-	-	-	796
	%	39.95	-	-	60.05	-	-	-	-	100.00
Relocation of the Family	No	1,623	807	2,142	-	318	-	-	-	4,890
	%	33.19	16.50	43.80	-	6.50	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	571	-	-	-	-	-	-	-	571
	%	100.00	-	-	-	-	-	-	-	100.00
Floods	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Other	No	2,246	1,291	1,414	-	-	-	-	-	4,951
	%	45.36	26.08	28.56	-	-	-	-	-	100.00

Table 10.4(c) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Urban - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total
		1	2	3	4	5	6	7	8	
S.N.N.P										
Crop Failure	No	8,195	130	522	-	321	-	-	-	9,168
	%	89.39	1.42	5.69	-	3.50	-	-	-	100.00
Death of HH Member	No	1,045	394	256	-	-	-	-	-	1,695
	%	61.65	23.24	15.10	-	-	-	-	-	100.00
Death of Working HH Member	No	1,245	1,321	-	128	-	-	-	-	2,694
	%	46.21	49.03	-	4.75	-	-	-	-	100.00
Death of the Head of the HH	No	3,116	1,418	64	407	-	-	-	-	5,005
	%	62.26	28.33	1.28	8.13	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	5,093	1,794	1,714	608	128	-	-	-	9,337
	%	54.55	19.21	18.36	6.51	1.37	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	3,629	4,281	1,631	272	342	-	-	-	10,155
	%	35.74	42.16	16.06	2.68	3.37	-	-	-	100.00
Reduced Income of a HH Member	No	8,261	9,585	4,644	622	-	-	-	-	23,112
	%	35.74	41.47	20.09	2.69	-	-	-	-	100.00
Unusually High Prices for Food	No	3,930	5,879	7,344	4,322	537	-	-	-	22,012
	%	17.85	26.71	33.36	19.63	2.44	-	-	-	100.00
Unusually High Level of Human Disease	No	757	1,878	2,087	1,178	2,097	-	-	-	7,997
	%	9.47	23.48	26.10	14.73	26.22	-	-	-	100.00
Theft of Productive Resources	No	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-
Relocation of the Family	No	411	1,213	2,607	871	242	-	-	-	5,344
	%	7.69	22.70	48.78	16.30	4.53	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	-	-	697	-	-	-	-	-	697
	%	-	-	100.00	-	-	-	-	-	100.00
Floods	No	-	1,403	1,191	1,096	351	-	-	-	4,041
	%	-	34.72	29.47	27.12	8.69	-	-	-	100.00
Other	No	1,548	1,155	61	553	-	-	-	-	3,317
	%	46.67	34.82	1.84	16.67	-	-	-	-	100.00

Table 10.4(c) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Urban - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total	
		1	2	3	4	5	6	7	8		
Addis Ababa											
Crop Failure	No	-	138	-	-	-	-	-	-	-	138
	%	-	100.00	-	-	-	-	-	-	-	100.00
Death of HH Member	No	225	138	-	138	-	-	-	-	-	501
	%	44.91	27.54	-	27.54	-	-	-	-	-	100.00
Death of Working HH Member	No	511	276	-	-	-	-	225	-	-	1,012
	%	50.49	27.27	-	-	-	-	22.23	-	-	100.00
Death of the Head of the HH	No	136	276	-	-	-	-	-	-	-	412
	%	33.01	66.99	-	-	-	-	-	-	-	100.00
Serious Illness or Accident of HH Member	No	1,013	415	211	-	-	-	366	-	-	2,005
	%	50.52	20.70	10.52	-	-	-	18.25	-	-	100.00
Loss or Reduced Employment for a HH Member	No	1,047	138	-	260	-	-	-	-	-	1,445
	%	72.46	9.55	-	17.99	-	-	-	-	-	100.00
Reduced Income of a HH Member	No	2,456	2,117	-	-	-	-	-	-	-	4,573
	%	53.71	46.29	-	-	-	-	-	-	-	100.00
Unusually High Prices for Food	No	911	1,796	931	-	-	-	-	-	-	3,638
	%	25.04	49.37	25.59	-	-	-	-	-	-	100.00
Unusually High Level of Human Disease	No	610	377	624	144	-	-	-	-	-	1,755
	%	34.76	21.48	35.56	8.21	-	-	-	-	-	100.00
Theft of Productive Resources	No	-	138	-	-	-	-	-	-	-	138
	%	-	100.00	-	-	-	-	-	-	-	100.00
Relocation of the Family	No	239	247	-	-	-	-	-	-	-	486
	%	49.18	50.82	-	-	-	-	-	-	-	100.00
Cut Off Remittances From Relatives Working Abroad	No	-	138	-	225	-	-	-	-	-	363
	%	-	38.02	-	61.98	-	-	-	-	-	100.00
Floods	No	-	138	-	-	-	-	-	-	-	138
	%	-	100.00	-	-	-	-	-	-	-	100.00
Other	No	1,898	505	912	511	-	-	-	-	-	3,826
	%	49.61	13.20	23.84	13.36	-	-	-	-	-	100.00

Table 10.4(c) Cont'd: Distribution of Household Problems led to the Food Shortage by Their Order of Importance and Region - Urban - 2016

Types of Major Shocks	Entry Design	Rank of the Problems that Led to Food Shortage to Households								Total	
		1	2	3	4	5	6	7	8		
Dire Dawa											
Crop Failure	No	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-
Death of HH Member	No	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-
Death of Working HH Member	No	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-
Death of the Head of the HH	No	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-
Serious Illness or Accident of HH Member	No	439	-	-	-	-	-	-	-	-	439
	%	100.00	-	-	-	-	-	-	-	-	100.00
Loss or Reduced Employment for a HH Member	No	503	-	-	-	-	-	-	-	-	503
	%	100.00	-	-	-	-	-	-	-	-	100.00
Reduced Income of a HH Member	No	2,235	1,184	195	-	-	-	-	-	-	3,614
	%	61.84	32.76	5.40	-	-	-	-	-	-	100.00
Unusually High Prices for Food	No	423	2,025	761	-	-	-	-	-	-	3,209
	%	13.18	63.10	23.71	-	-	-	-	-	-	100.00
Unusually High Level of Human Disease	No	145	-	503	308	-	-	-	-	-	956
	%	15.17	-	52.62	32.22	-	-	-	-	-	100.00
Theft of Productive Resources	No	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-
Relocation of the Family	No	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-
Cut Off Remittances From Relatives Working Abroad	No	-	-	131	-	-	-	-	-	-	131
	%	-	-	100.00	-	-	-	-	-	-	100.00
Floods	No	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-
Other	No	-	-	228	308	-	-	-	-	-	536
	%	-	-	42.54	57.46	-	-	-	-	-	100.00

Table 10.5 (a): Distribution of Households by Status of Change in Living Standard With Respect to Food Over the 5 Years' Time Prior to the Survey Period and Region - Total - 2016

Region	Living Standard with Respect to Food					Total
		Better	Same	Worse	Not Stated	
Country Level	No	6,955,008	4,958,167	5,613,942	1,872,044	19,399,161
	%	35.85	25.56	28.94	9.65	100.00
Tigray	No	373,845	309,646	346,550	155,502	1,185,543
	%	31.53	26.12	29.23	13.12	100.00
Afar	No	15,527	198,241	118,851	30,121	362,740
	%	4.28	54.65	32.76	8.30	100.00
Amhara	No	1,783,615	1,090,027	1,581,800	576,195	5,031,637
	%	35.45	21.66	31.44	11.45	100.00
Oromia	No	2,814,530	1,461,058	2,047,147	622,541	6,945,276
	%	40.52	21.04	29.48	8.96	100.00
Somale	No	179,723	427,013	252,083	66,143	924,962
	%	19.43	46.17	27.25	7.15	100.00
Benshangul-Gumuz	No	101,189	37,126	58,283	35,144	231,742
	%	43.66	16.02	25.15	15.17	100.00
S.N.N.P	No	1,419,634	1,015,511	961,868	245,645	3,642,658
	%	38.97	27.88	26.41	6.74	100.00
Gambela	No	35,056	27,037	9,723	13,763	85,579
	%	40.96	31.59	11.36	16.08	100.00
Harari	No	23,607	11,197	15,766	8,196	58,766
	%	40.17	19.05	26.83	13.95	100.00
Addis Ababa	No	184,871	355,078	184,824	105,927	830,700
	%	22.25	42.74	22.25	12.75	100.00
Dire Dawa	No	23,412	26,232	37,047	12,867	99,558
	%	23.52	26.35	37.21	12.92	100.00

Table 10.5 (b): Distribution of Households by Status of Change in Living Standard With Respect to Food Over the 5 Years' Time Prior to the Survey Period and Region - Rural - 2016

Region	Living Standard with Respect to Food					Total
		Better	Same	Worse	Not Stated	
Country Level	No	5,538,068	3,674,848	4,587,378	936,913	14,737,207
	%	37.58	24.94	31.13	6.36	100.00
Tigray	No	288,483	193,205	268,660	78,301	828,649
	%	34.81	23.32	32.42	9.45	100.00
Afar	No	5,167	165,966	89,668	9,385	270,186
	%	1.91	61.43	33.19	3.47	100.00
Amhara	No	1,459,016	881,821	1,337,612	325,273	4,003,722
	%	36.44	22.03	33.41	8.12	100.00
Oromia	No	2,373,781	1,173,850	1,730,828	341,137	5,619,596
	%	42.24	20.89	30.80	6.07	100.00
Somale	No	150,098	352,939	230,032	44,779	777,848
	%	19.30	45.37	29.57	5.76	100.00
Benshangul-Gumuz	No	77,070	28,470	49,770	17,395	172,705
	%	44.63	16.48	28.82	10.07	100.00
S.N.N.P	No	1,152,652	849,975	846,801	113,319	2,962,747
	%	38.90	28.69	28.58	3.82	100.00
Gambela	No	19,298	21,316	6,904	4,995	52,513
	%	36.75	40.59	13.15	9.51	100.00
Harari	No	10,266	1,798	7,101	694	19,859
	%	51.69	9.05	35.76	3.49	100.00
Dire Dawa	No	2,238	5,508	20,003	1,635	29,384
	%	7.62	18.74	68.07	5.56	100.00

Table 10.5 (c): Distribution of Households by Status of Change in Living Standard With Respect to Food Over the 5 Years' Time Prior to the Survey Period and Region - Urban - 2016

Region	Living Standard with Respect to Food					Total
		Better	Same	Worse	Not Stated	
Country Level	No	1,416,940	1,283,320	1,026,564	935,131	4,661,955
	%	30.39	27.53	22.02	20.06	100.00
Tigray	No	85,362	116,441	77,889	77,202	356,894
	%	23.92	32.63	21.82	21.63	100.00
Afar	No	10,360	32,275	29,183	20,736	92,554
	%	11.19	34.87	31.53	22.40	100.00
Amhara	No	324,599	208,206	244,189	250,922	1,027,916
	%	31.58	20.26	23.76	24.41	100.00
Oromia	No	440,749	287,208	316,319	281,404	1,325,680
	%	33.25	21.66	23.86	21.23	100.00
Somale	No	29,625	74,074	22,052	21,364	147,115
	%	20.14	50.35	14.99	14.52	100.00
Benshangul-Gumuz	No	24,119	8,656	8,513	17,748	59,036
	%	40.85	14.66	14.42	30.06	100.00
S.N.N.P	No	266,981	165,536	115,067	132,326	679,910
	%	39.27	24.35	16.92	19.46	100.00
Gambela	No	15,758	5,721	2,819	8,769	33,067
	%	47.65	17.30	8.53	26.52	100.00
Harari	No	13,341	9,399	8,665	7,502	38,907
	%	34.29	24.16	22.27	19.28	100.00
Addis Ababa	No	184,871	355,078	184,824	105,927	830,700
	%	22.25	42.74	22.25	12.75	100.00
Dire Dawa	No	21,174	20,724	17,044	11,232	70,174
	%	30.17	29.53	24.29	16.01	100.00

Table 10.6(a): Distribution of Household by the Number of Meals Taken On the Day Prior to The Survey Date and Region - Total - 2016

Region	Number of Meals Taken Yesterday						Total
	1	2	3-4	5 & above	Not Stated		
Country Level	No %	124,955 .64	2,826,954 14.57	16,417,794 84.63	20,684 .11	8,774 .05	19,399,161 100.00
Tigray	No %	18,636 1.57	121,175 10.22	1,042,371 87.92	3,009 .25	352 .03	1,185,543 100.00
Afar	No %	221 .06	46,506 12.82	315,546 86.99	- -	466 .13	362,739 100.00
Amhara	No %	38,610 .77	999,254 19.86	3,986,741 79.23	1,839 .04	5,193 .10	5,031,637 100.00
Oromia	No %	24,675 .36	948,365 13.65	5,965,302 85.89	4,171 .06	2,764 .04	6,945,277 100.00
Somale	No %	12,675 1.37	241,983 26.16	668,940 72.32	1,363 .15	- -	924,961 100.00
Benshangul-Gumuz	No %	2,900 1.25	42,182 18.20	186,328 80.40	331 .14	- -	231,741 100.00
S.N.N.P	No %	22,149 .61	338,500 9.29	3,272,937 89.85	9,071 .25	- -	3,642,657 100.00
Gambela	No %	216 .25	13,642 15.94	71,519 83.57	203 .24	- -	85,580 100.00
Harari	No %	- -	6,828 11.62	51,938 88.38	- -	- -	58,766 100.00
Addis Ababa	No %	4,769 .57	58,677 7.06	766,557 92.28	696 .08	- -	830,699 100.00
Dire Dawa	No %	104 .10	9,842 9.89	89,613 90.01	- -	- -	99,559 100.00

Table 10.6 (b): Distribution of Household by the Number of Meals Taken On the Day Prior to The Survey Date and Region - Rural - 2016

Region	Number of Meals Taken Yesterday						Total
	1	2	3-4	5 & above	Not Stated		
Country Level	No	88,392	2,365,565	12,259,901	14,990	8,358	14,737,206
	%	.60	16.05	83.19	.10	.06	100.00
Tigray	No	9,598	88,811	729,033	856	352	828,650
	%	1.16	10.72	87.98	.10	.04	100.00
Afar	No	-	39,413	230,306	-	466	270,185
	%	-	14.59	85.24	-	.17	100.00
Amhara	No	28,450	839,318	3,129,416	1,560	4,977	4,003,721
	%	.71	20.96	78.16	.04	.12	100.00
Oromia	No	18,895	835,013	4,760,857	2,267	2,563	5,619,595
	%	.34	14.86	84.72	.04	.05	100.00
Somale	No	9,625	221,041	545,818	1,363	-	777,847
	%	1.24	28.42	70.17	.18	-	100.00
Benshangul-Gumuz	No	2,397	32,939	137,070	299	-	172,705
	%	1.39	19.07	79.37	.17	-	100.00
S.N.N.P	No	19,323	284,878	2,649,900	8,646	-	2,962,747
	%	.65	9.62	89.44	.29	-	100.00
Gambela	No	-	11,678	40,835	-	-	52,513
	%	-	22.24	77.76	-	-	100.00
Harari	No	-	5,931	13,929	-	-	19,860
	%	-	29.86	70.14	-	-	100.00
Dire Dawa	No	104	6,543	22,737	-	-	29,384
	%	.35	22.27	77.38	-	-	100.00

Table 10.6 (c): Distribution of Household by the Number of Meals Taken On the Day Prior to The Survey Date and Region - Urban - 2016

Region	Number of Meals Taken Yesterday						Total
	1	2	3-4	5 & above	Not Stated		
Country Level	No %	36,563 .78	461,388 9.90	4,157,893 89.19	5,694 .12	417 .01	4,661,955 100.00
Tigray	No %	9,038 2.53	32,364 9.07	313,338 87.80	2,153 .60	- -	356,893 100.00
Afar	No %	221 .24	7,093 7.66	85,240 92.10	- -	- -	92,554 100.00
Amhara	No %	10,160 .99	159,935 15.56	857,325 83.40	280 .03	216 .02	1,027,916 100.00
Oromia	No %	5,779 .44	113,352 8.55	1,204,446 90.85	1,904 .14	200 .02	1,325,681 100.00
Somale	No %	3,051 2.07	20,942 14.24	123,122 83.69	- -	- -	147,115 100.00
Benshangul-Gumuz	No %	504 .85	9,242 15.65	49,258 83.44	32 .05	- -	59,036 100.00
S.N.N.P	No %	2,825 .42	53,623 7.89	623,036 91.64	426 .06	- -	679,910 100.00
Gambela	No %	216 .65	1,964 5.94	30,685 92.79	203 .61	- -	33,068 100.00
Harari	No %	- -	898 2.31	38,010 97.69	- -	- -	38,908 100.00
Addis Ababa	No %	4,769 .57	58,677 7.06	766,557 92.28	696 .08	- -	830,699 100.00
Dire Dawa	No %	- -	3,298 4.70	66,875 95.30	- -	- -	70,173 100.00

ANNEX I

ESTIMATION PROCEDURES OF

TOTAL, RATIO AND

SAMPLING ERROR

ANNEX I: Estimation Procedures of Total, Ratio and Sampling Errors

The following formulas were used to estimate the required variables by reporting levels.

1. Estimate of Total \hat{Y}_h in Rural Domain (Category I)

$$\hat{Y}_h = \sum_{i=1}^{n_h} \frac{M_h H_{hi}}{n_h M_{hi} h_{hi}} \sum_{j=1}^{h_{hi}} Y_{hij} = \sum_{i=1}^{n_h} \sum_{j=1}^{h_{hi}} W_{hi} Y_{hij} \text{-----} \quad (1)$$

Where,

$$W_{hi} = \frac{M_h H_{hi}}{n_h M_{hi} h_{hi}} \text{ is the basic sampling weight}$$

2. Estimate of Total \hat{Y}_h in Major Urban Domain (Category II)

$$\hat{Y}_h = \sum_{a=1}^3 \sum_{i=1}^{n_{aih}} \sum_{j=1}^{h_{hai}} W_{hai} Y_{haij} \text{-----} \quad (2)$$

Where,

$$W_{hai} = \frac{M_{ha} H_{hai}}{n_{ha} M_{hai} h_{hai}} \text{ is the basic sampling weight}$$

3. Estimate of Total \hat{Y}_h in Other Urban Domain (Category III)

$$\begin{aligned} \hat{Y}_h &= \sum_{i=1}^{n_h} \frac{M_h}{n_h n_{hi}} \sum_{j=1}^{n_{hi}} \frac{H_{hij}}{M_{hij} h_{hij}} \sum_{k=1}^{h_{hij}} Y_{hijk} \text{-----} \quad (3) \\ &= \sum_{i=1}^{n_h} \sum_{j=1}^{n_{hi}} \sum_{k=1}^{h_{hij}} W_{hij} Y_{hijk} \end{aligned}$$

Where,

$$W_{hij} = \frac{M_h H_{ij}}{n_h n_{hi} M_{hij} h_{hij}} \text{ is basic sampling weight}$$

The following notations were used in the formula:

M_h = Total number of households in stratum h obtained from the sampling frame.

M_{hi} = Total number of households in EA/PSU i for rural and urban domain or in urban center/PSU i for other urban domain, stratum h obtained from the sampling frame.

n_h = Number of successfully covered sample EAs for rural domain in stratum h.

H_{hi} = Total number of households obtained from the survey listing in sample EA/PSU i stratum h for rural domains.

h_{hi} = Total number of households successfully covered in EA/PSU i stratum h for rural domain.

M_{ha} = Total adjusted number of households of the domain in substrata a and stratum h obtained from the sampling frame

H_{hai} = Total number of households obtained from the survey listing in EA/PSU i of substratum a and stratum h

n_{ha} = Number of successfully covered sample EAs/PSUs for major urban domain in substratum a and stratum h

M_{hai} = Total number of households in EA/PSU i in substratum a and stratum h obtained from the sampling frame

h_{hai} = Total number of sampled and covered households in sampled EA/PSU I substratum a and stratum h

\hat{Y}_{haij} = The observed value of characteristic y for household j, in EA/PSU i, substratum a and stratum h of Major Urban Domain

M_{hij} = Total number of households in EA/SSU j, urban centers/PSU i and stratum h obtained from the sampling frame for other urban center domain.

n_{hi} = Number of sample EAs successfully covered in urban center/PSU i and stratum h for other urban center domain.

H_{hij} = Total number of households obtained from the survey listing in EA/SSU j, urban center/PSU i and stratum h for other urban center domain

h_{hij} = Number of sample households successfully covered in EA /SSU j, urban center/PSU i and stratum h for other urban center domain.

Y_{hij} = The observed value of a characteristic y for household j in sampled EA/PSU i and stratum h for rural domain.

Y_{hijk} = The observed value of a characteristic y for household k in EA/SSUj, urban center/PSU i and stratum h for other urban domain.

Note: Estimate of total at country level, \hat{Y} , is obtained by summing up stratum/domain total estimates.

$$\hat{Y} = \sum_{h=1} \hat{Y}_h$$

4. Sampling Variance of the Estimates:

Sampling variance of estimate of stratum total are given by the following formulas:

The variance of domain or reporting total estimate is:

$$V(\hat{Y}_h) = \frac{n_h}{n_h - 1} \left[\sum_{i=1}^{n_h} \hat{Y}_{hi}^2 - \frac{\hat{Y}_h^2}{n_h} \right] \text{-----} \quad (4)$$

in which $\hat{Y}_{hi} = W_{hi} \sum_{j=1}^{h_{hi}} Y_{hij}$ for rural and major urban centers domains,

and $\hat{Y}_{hi} = \sum_{j=1}^{n_{hi}} W_{hij} \sum_{k=1}^{h_{hij}} y_{hijk}$ for other urban center domain.

$$V(\hat{Y}) = \sum_h V(\hat{Y}_h) \text{-----} \quad (5)$$

$$SE(\hat{Y}_h) = \sqrt{Var(\hat{Y}_h)} \text{-----} \quad (6)$$

5. Coefficient of Variation (CV) and Confidence Interval (CI)

The following formulas were used to calculate CV and CI of the domain (reporting level) total.

The coefficient of variation (CV) of domain total in percentage is:

$$CV(\hat{Y}_h) = \frac{\sqrt{VAR(\hat{Y})}}{\hat{Y}} * 100 \text{ ----- (7)}$$

And **ninety-five** percent confidence interval (CI) of domain total:

$$\hat{Y}_h \pm 1.96 * SE(\hat{Y}_h) \text{ ----- (8)}$$

6. Ratio Estimates:

$$\hat{R}_h = \frac{\hat{Y}_h}{\hat{X}_h} \text{ and } \hat{R} = \frac{\hat{Y}}{\hat{X}} \text{ ----- (9)}$$

Where, the numerator and the denominator are estimates of domain totals of characteristic y and x, respectively.

$$Var(\hat{R}_h) = \frac{1}{\hat{X}_h^2} [Var(\hat{Y}_h) + \hat{R}_h^2 Var(\hat{X}_h) - 2\hat{R}_h Cov(\hat{Y}_h, \hat{X}_h)] \text{ ----- (10)}$$

In which

$$Cov(\hat{Y}_h, \hat{X}_h) = \frac{n_h}{n_h - 1} \left[\sum_{i=1}^{n_h} \hat{Y}_{hi} \hat{X}_{hi} - \frac{\hat{Y}_h \hat{X}_h}{n_h} \right] \text{ ----- (11)}$$

Estimates of standard error, coefficient of variation and confidence interval for the ratio estimate can be calculated by adopting formulas 6, 7 and 8.

ANNEX II

STANDARD ERRORS AND

COEFFICIENTS OF VARIATION

OF SELECTED VARIABLES

Table 8.1(a): Estimates of Standard Errors & Coefficients of Variations of the Estimates of Source of Drinking Water in Dry Season Sex and Region - Total - 2016

Region and Source of Drinking water	Estimate	SE	CV(%)
Country Level			
Tap Inside the House	113,804	12,998	11.4
Tap in Compound (Private)	1,271,234	33,832	2.7
Tap in Compound (Shared)	1,554,645	37,412	2.4
Tap out Side Compound/Communal	4,292,764	136,798	3.2
Water from kiosks/retailer	980,407	43,272	4.4
Protected well/spring(Private)	293,183	35,588	12.1
Protected well/spring (shared)	3,964,305	131,177	3.3
Unprotected well	4,258,191	160,498	3.8
River/lake/pond	2,584,532	119,195	4.6
Others	50,955	16,229	31.9
Not Stated	34,391	8,585	25.0
Total	19,398,412	166,511	.9
Rain Water (Rain Season)	132,428	18,757	14.2
Tigray			
Tap Inside the House	17,348	6,052	34.9
Tap in Compound (Private)	78,650	7,834	10.0
Tap in Compound (Shared)	148,542	12,832	8.6
Tap out Side Compound/Communal	381,217	30,690	8.1
Water from kiosks/retailer	81,402	21,519	26.4
Protected well/spring(Private)	4,788	1,708	35.7
Protected well/spring (shared)	228,543	29,206	12.8
Unprotected well	187,455	22,160	11.8
River/lake/pond	55,811	15,873	28.4
Others	-	-	-
Not Stated	1,038	627	60.4
Total	1,184,793	28,858	2.4
Rain Water (Rain Season)	2,167	1,253	57.8
Afar			
Tap Inside the House	897	551	61.4
Tap in Compound (Private)	25,981	7,236	27.9
Tap in Compound (Shared)	26,782	5,575	20.8
Tap out Side Compound/Communal	114,096	15,234	13.4
Water from kiosks/retailer	22,498	3,612	16.1
Protected well/spring(Private)	1,407	881	62.6
Protected well/spring (shared)	22,910	6,292	27.5
Unprotected well	32,326	7,744	24.0
River/lake/pond	110,217	15,387	14.0
Others	5,625	5,487	97.6
Not Stated	-	-	-
Total	362,739	11,129	3.1
Rain Water (Rain Season)	27,613	8,991	32.6
Amhara			
Tap Inside the House	17,826	3,955	22.2
Tap in Compound (Private)	272,496	19,199	7.1
Tap in Compound (Shared)	383,927	18,432	4.8
Tap out Side Compound/Communal	1,114,162	84,256	7.6
Water from kiosks/retailer	149,663	14,810	9.9
Protected well/spring(Private)	114,043	16,185	14.2
Protected well/spring (shared)	1,134,237	81,945	7.2
Unprotected well	1,374,370	96,025	7.0
River/lake/pond	465,633	54,369	11.7
Others	1,350	1,313	97.2
Not Stated	3,932	3,709	94.3
Total	5,031,637	85,082	1.7
Rain Water (Rain Season)	10,045	4,409	43.9

Table 8.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Source Of Drinking Water in Dry Season Sex and Region - Total - 2016

Region and Source of Drinking water	Estimate	SE	CV(%)
Oromia			
Tap Inside the House	30,502	5,495	18.0
Tap in Compound (Private)	390,747	19,131	4.9
Tap in Compound (Shared)	384,959	21,797	5.7
Tap out Side Compound/Communal	1,384,409	72,797	5.3
Water from kiosks/retailer	384,413	22,085	5.8
Protected well/spring(Private)	157,368	31,481	20.0
Protected well/spring (shared)	1,478,413	74,338	5.0
Unprotected well	1,669,741	99,833	6.0
River/lake/pond	1,052,422	80,188	7.6
Others	8,105	1,444	17.8
Not Stated	4,198	932	22.2
Total	6,945,276	98,560	1.4
Rain Water (Rain Season)	26,173	11,700	44.7
Somale			
Tap Inside the House	1,403	918	65.5
Tap in Compound (Private)	11,003	3,363	30.6
Tap in Compound (Shared)	8,830	2,952	33.4
Tap out Side Compound/Communal	123,668	37,678	30.5
Water from kiosks/retailer	47,672	6,310	13.2
Protected well/spring(Private)	112	140	125.3
Protected well/spring (shared)	251,363	30,368	12.1
Unprotected well	157,782	36,354	23.0
River/lake/pond	277,076	41,442	15.0
Others	29,667	15,066	50.8
Not Stated	16,388	7,241	44.2
Total	924,962	49,338	5.3
Rain Water (Rain Season)	59,255	10,436	17.6
Benshangul-Gumuz			
Tap Inside the House	32	39	123.6
Tap in Compound (Private)	5,452	1,013	18.6
Tap in Compound (Shared)	3,655	727	19.9
Tap out Side Compound/Communal	106,476	7,616	7.2
Water from kiosks/retailer	8,792	1,585	18.0
Protected well/spring(Private)	1,188	739	62.3
Protected well/spring (shared)	63,285	9,099	14.4
Unprotected well	23,482	5,047	21.5
River/lake/pond	19,288	4,256	22.1
Others	93	108	116.6
Not Stated	-	-	-
Total	231,741	9,059	3.9
Rain Water (Rain Season)	370	377	101.9
S.N.N.P			
Tap Inside the House	10,931	3,227	29.5
Tap in Compound (Private)	156,625	10,041	6.4
Tap in Compound (Shared)	222,661	13,597	6.1
Tap out Side Compound/Communal	956,590	58,101	6.1
Water from kiosks/retailer	160,044	22,451	14.0
Protected well/spring(Private)	10,678	2,875	26.9
Protected well/spring (shared)	734,607	55,242	7.5
Unprotected well	803,802	68,340	8.5
River/lake/pond	584,051	50,866	8.7
Others	995	639	64.2
Not Stated	1,674	1,674	100.0
Total	3,642,657	83,815	2.3
Rain Water (Rain Season)	6,485	2,001	30.9

Table 8.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Source of Drinking Water in Dry Season Sex and Region - Total - 2016

Region and Source of Drinking water	Estimate	SE	CV(%)
Gambela			
Tap Inside the House	433	174	40.3
Tap in Compound (Private)	2,059	369	17.9
Tap in Compound (Shared)	2,380	375	15.7
Tap out Side Compound/Communal	14,848	2,474	16.7
Water from kiosks/retailer	18,373	1,484	8.1
Protected well/spring(Private)	360	256	71.2
Protected well/spring (shared)	32,575	3,142	9.7
Unprotected well	3,269	1,033	31.6
River/lake/pond	11,151	2,290	20.5
Others	-	-	-
Not Stated	132	143	108.4
Total	85,580	1,453	1.7
Rain Water (Rain Season)	183	114	62.2
Harari			
Tap Inside the House	83	76	91.5
Tap in Compound (Private)	10,906	1,687	15.5
Tap in Compound (Shared)	13,978	2,160	15.5
Tap out Side Compound/Communal	4,398	1,166	26.5
Water from kiosks/retailer	10,171	2,218	21.8
Protected well/spring(Private)	2,305	702	30.4
Protected well/spring (shared)	6,281	1,375	21.9
Unprotected well	278	160	57.5
River/lake/pond	6,824	1,784	26.1
Others	3,045	1,154	37.9
Not Stated	498	368	73.9
Total	58,766	3,333	5.7
Rain Water (Rain Season)	-	-	-
Addis Ababa			
Tap Inside the House	32,464	8,513	26.2
Tap in Compound (Private)	301,072	13,224	4.4
Tap in Compound (Shared)	342,570	13,439	3.9
Tap out Side Compound/Communal	80,707	16,573	20.5
Water from kiosks/retailer	71,329	10,998	15.4
Protected well/spring(Private)	629	616	97.9
Protected well/spring (shared)	1,170	948	81.1
Unprotected well	167	169	100.9
River/lake/pond	-	-	-
Others	214	216	100.6
Not Stated	379	373	98.5
Total	830,700	15,436	1.9
Rain Water (Rain Season)	138	139	100.6
Dire Dawa			
Tap Inside the House	1,886	1,557	82.6
Tap in Compound (Private)	16,243	2,300	14.2
Tap in Compound (Shared)	16,363	3,086	18.9
Tap out Side Compound/Communal	12,195	2,402	19.7
Water from kiosks/retailer	26,049	3,844	14.8
Protected well/spring(Private)	306	208	67.9
Protected well/spring (shared)	10,921	2,082	19.1
Unprotected well	5,520	1,581	28.6
River/lake/pond	2,060	1,080	52.4
Others	1,863	834	44.8
Not Stated	6,153	1,775	28.9
Total	99,558	4,857	4.9
Rain Water (Rain Season)	-	-	-

Table 9.1(a): Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Country Level									
Cattle-Indigenous (Except farm animals)	509,682	22,865	4.5	9,583,653	153,691	1.6	10,093,334	147,284	1.5
Cattle-Exotic/hybrid (Except farm animals)	78,692	7,257	9.2	295,482	16,265	5.5	374,175	17,250	4.6
Farm animals	236,560	16,108	6.8	7,279,797	128,634	1.8	7,516,357	125,838	1.7
Transport animals (Horse, Camel ...)	40,429	5,102	12.6	1,723,697	80,041	4.6	1,764,126	79,693	4.5
Other draught animals (Except farm animals)	162,322	13,174	8.1	4,553,868	110,365	2.4	4,716,190	109,332	2.3
Sheep and Goat	443,891	18,157	4.1	7,790,950	138,869	1.8	8,234,841	133,603	1.6
Chicken	586,549	22,510	3.8	7,880,096	140,478	1.8	8,466,646	133,437	1.6
Beehives-traditional	47,051	5,143	10.9	1,716,135	54,551	3.2	1,763,186	54,378	3.1
Beehives-partially modern	4,074	1,303	32.0	39,905	7,311	18.3	43,979	7,426	16.9
Beehives-modern	6,806	2,089	30.7	87,007	9,528	11.0	93,813	9,669	10.3
"Mofer" and "Kenber"	238,411	16,179	6.8	8,436,307	143,485	1.7	8,674,718	140,452	1.6
Sickle / "Machid"	822,796	30,129	3.7	11,316,035	178,654	1.6	12,138,831	168,571	1.4
Axe/"Gejera"	1,693,654	41,333	2.4	11,776,553	184,814	1.6	13,470,207	166,619	1.2
Pick Axe or "Geso"	938,143	29,777	3.2	9,798,240	154,324	1.6	10,736,383	145,534	1.4
Plough (traditional)	285,395	17,405	6.1	8,459,143	143,266	1.7	8,744,537	139,444	1.6
Plough (modern)	5,986	1,692	28.3	130,407	31,155	23.9	136,393	31,198	22.9
Water pump	11,888	2,308	19.4	68,524	13,242	19.3	80,412	13,071	16.3
Kerosene stove	253,576	14,437	5.7	42,738	7,452	17.4	296,314	16,245	5.5
Butane gas stove	519,142	17,469	3.4	77,952	8,997	11.5	597,094	18,581	3.1
Electric stove	1,268,931	25,604	2.0	66,541	11,377	17.1	1,335,472	27,871	2.1
Blanket/ Gabi	4,423,797	61,400	1.4	12,864,594	195,884	1.5	17,288,391	157,072	1.2
Mattress and/or Beds	4,393,635	60,828	1.4	8,383,603	165,685	2.0	12,777,238	139,479	1.1
Wrist Watch Clock	841,130	21,789	2.6	1,319,718	53,290	4.0	2,160,848	53,827	2.5
Iron (Coal)	60,058	4,890	8.1	35,027	6,333	18.1	95,085	7,976	8.4
Iron (Electric)	253,468	11,958	4.7	16,328	4,260	26.1	269,796	12,693	4.7
Fixed Line Telephone	376,736	13,056	3.5	35,609	5,207	14.6	412,344	13,996	3.4
Telephone (wireless)	35,609	3,518	9.9	28,425	4,810	16.9	64,035	5,948	9.3
Telephone (mobile)	4,110,169	56,253	1.4	6,235,991	119,570	1.9	10,346,159	98,252	1.0
Radio/Tape/Radio & Tape	1,922,183	34,830	1.8	3,218,683	79,183	2.5	5,140,866	74,493	1.5
Television	2,526,059	36,752	1.5	258,030	26,810	10.4	2,784,089	43,798	1.6
Video Deck	262,257	12,646	4.8	37,597	5,899	15.7	299,854	13,893	4.6
CD/CD/DVD	1,175,180	25,601	2.2	95,178	12,646	13.3	1,270,358	27,960	2.2
Dish	1,832,757	33,066	1.8	151,745	18,856	12.4	1,984,502	37,127	1.9
Sofa set	1,124,254	21,858	1.9	131,453	18,138	13.8	1,255,707	27,550	2.2
Chair & Table (Excluding stool & bench)	2,389,320	44,380	1.9	4,749,766	117,562	2.5	7,139,085	103,337	1.5
Bicycle	128,998	8,003	6.2	59,353	9,326	15.7	188,351	12,007	6.4
Motor Cycle	41,590	4,176	10.0	49,702	8,434	17.0	91,292	9,354	10.3
Cart (Hand pushed)	46,464	4,779	10.3	60,570	11,959	19.7	107,033	12,501	11.7
Cart (animal drawn) - for Transporting people & goods	49,124	5,728	11.7	130,235	17,079	13.1	179,359	17,805	9.9
Sewing machine	50,607	4,933	9.8	51,339	8,688	16.9	101,946	9,913	9.7
Weaving equipment	43,227	5,770	13.4	76,750	22,937	29.9	119,978	23,568	19.6
Builder's equipment	94,636	6,228	6.6	129,541	14,030	10.8	224,177	15,171	6.8
Carpenter's equipment	178,147	9,428	5.3	277,253	23,905	8.6	455,401	24,758	5.4
Welding equipment	19,068	2,724	14.3	9,047	4,087	45.2	28,115	4,910	17.5
Wood cutting equipment	31,595	5,733	18.2	215,154	19,350	9.0	246,749	19,583	7.9
Block production equipment	3,559	1,016	28.5	699	697	99.8	4,258	1,232	28.9
Mitad - Electric	998,447	22,296	2.2	37,445	8,576	22.9	1,035,892	23,282	2.3
Mitad - power saving (modern)	287,580	13,961	4.9	308,483	35,291	11.4	596,063	35,799	6.0
Refrigerator	930,191	22,196	2.4	39,510	6,428	16.3	969,700	22,989	2.4
Private car	69,158	5,952	8.6	5,703	2,641	46.3	74,861	6,512	8.7
Car - Commercial	61,638	4,967	8.1	6,545	767	11.7	68,183	5,025	7.4
Bajaj	35,935	3,621	10.1	12,304	3,056	24.8	48,239	4,738	9.8
Jewels (Gold and Silver)	1,712,920	36,263	2.1	2,356,583	82,186	3.5	4,069,503	78,801	1.9
Wardrobe	1,156,553	23,908	2.1	498,967	48,337	9.7	1,655,520	52,754	3.2
Shelf for storing goods	1,735,079	28,224	1.6	313,491	33,561	10.7	2,048,570	42,471	2.1
Biogas stove (pit)	7,295	1,604	22.0	766	766	100.0	8,061	1,778	22.1
Water storage pit	28,742	4,709	16.4	161,396	25,011	15.5	190,138	25,348	13.3
Chat plant (No. planted)	101,665	10,858	10.7	2,509,688	93,016	3.7	2,611,353	90,759	3.5
Coffee plant (No. planted)	272,127	17,007	6.3	4,044,578	128,813	3.2	4,316,705	124,631	2.9
Other permanent crops (No. planted)	336,074	18,414	5.5	5,529,006	133,918	2.4	5,865,080	130,258	2.2
Forestry (Eucalyptus tree)	354,772	19,626	5.5	6,830,732	137,515	2.0	7,185,504	133,415	1.9

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Tigray									
Cattle-Indigenous (Except farm animals)	36,866	8,141	22.1	402,091	26,017	6.5	438,957	24,224	5.5
Cattle-Exotic/hybrid (Except farm animals)	7,163	2,068	28.9	17,554	4,984	28.4	24,716	5,327	21.6
Farm animals	26,872	6,529	24.3	514,160	26,115	5.1	541,032	24,496	4.5
Transport animals (Horse, Camel ...)	1,446	777	53.8	37,213	9,082	24.4	38,659	9,043	23.4
Other draught animals (Except farm animals)	29,295	6,423	21.9	353,479	23,469	6.6	382,774	22,583	5.9
Sheep and Goat	27,762	5,804	20.9	381,726	22,733	6.0	409,487	21,446	5.2
Chicken	46,001	8,041	17.5	561,176	28,148	5.0	607,177	26,093	4.3
Beehives-traditional	4,296	2,166	50.4	90,707	9,099	10.0	95,004	9,140	9.6
Beehives-partially modern	210	210	100.0	3,860	2,723	70.5	4,070	2,731	67.1
Beehives-modern	2,412	1,586	65.8	24,516	4,741	19.3	26,928	4,948	18.4
"Mofer" and "Kenber"	31,759	7,321	23.1	610,585	33,623	5.5	642,344	31,456	4.9
Sickle / "Machid"	65,851	11,150	16.9	704,460	37,034	5.3	770,311	32,452	4.2
Axe/"Gejera"	71,783	11,318	15.8	620,575	35,826	5.8	692,358	31,369	4.5
Pick Axe or "Geso"	71,538	11,036	15.4	534,001	30,520	5.7	605,539	27,337	4.5
Plough (traditional)	36,365	7,561	20.8	605,670	34,289	5.7	642,036	31,800	5.0
Plough (modern)	1,392	728	52.3	6,131	3,369	55.0	7,524	3,447	45.8
Water pump	2,036	1,128	55.4	7,103	2,644	37.2	9,139	2,875	31.5
Kerosene stove	1,408	649	46.1	575	575	100.0	1,983	820	41.4
Butane gas stove	16,257	3,664	22.5	2,627	1,549	59.0	18,884	3,673	19.5
Electric stove	81,077	5,964	7.4	4,409	1,612	36.6	85,486	6,171	7.2
Blanket/ Gabi	343,080	26,239	7.7	701,281	39,805	5.7	1,044,361	30,719	2.9
Mattress and/or Beds	329,736	24,876	7.5	443,210	41,019	9.3	772,945	37,940	4.9
Wrist Watch Clock	46,514	4,599	9.9	68,018	8,651	12.7	114,532	9,345	8.2
Iron (Coal)	6,452	1,685	26.1	3,884	2,063	53.1	10,336	2,591	25.1
Iron (Electric)	9,962	1,589	16.0	856	856	100.0	10,817	1,805	16.7
Fixed Line Telephone	31,283	4,477	14.3	6,340	2,503	39.5	37,623	4,962	13.2
Telephone (wireless)	871	566	64.9	1,289	1,289	100.0	2,160	1,407	65.2
Telephone (mobile)	302,431	22,414	7.4	436,697	31,553	7.2	739,129	26,239	3.6
Radio/Tape/Radio & Tape	141,732	13,772	9.7	217,338	20,002	9.2	359,070	20,823	5.8
Television	189,222	13,253	7.0	53,433	11,507	21.5	242,655	15,993	6.6
Video Deck	6,379	1,529	24.0	3,172	1,946	61.4	9,551	2,475	25.9
CD/CD/DVD	89,458	10,011	11.2	21,749	7,087	32.6	111,207	11,942	10.7
Dish	145,150	12,109	8.3	26,468	7,402	28.0	171,618	13,032	7.6
Sofa set	85,390	5,956	7.0	14,605	5,582	38.2	99,995	8,101	8.1
Chair & Table (Excluding stool & bench)	138,613	13,149	9.5	166,410	29,751	17.9	305,023	27,430	9.0
Bicycle	14,590	2,576	17.7	17,474	6,822	39.0	32,063	7,252	22.6
Motor Cycle	1,461	718	49.2	-	-	-	1,461	718	49.2
Cart (Hand pushed)	490	507	103.4	1,122	1,123	100.1	1,612	1,232	76.4
Cart (animal drawn) - for Transporting people & goods	8,472	2,657	31.4	4,410	2,032	46.1	12,882	3,345	26.0
Sewing machine	7,160	2,266	31.7	2,200	1,288	58.5	9,360	2,589	27.7
Weaving equipment	11,245	3,479	30.9	3,697	2,160	58.4	14,943	3,586	24.0
Builder's equipment	5,564	1,783	32.1	62,971	9,617	15.3	68,535	9,641	14.1
Carpenter's equipment	3,904	1,172	30.0	38,506	6,724	17.5	42,410	6,766	16.0
Welding equipment	1,162	601	51.7	2,054	1,015	49.4	3,216	1,179	36.7
Wood cutting equipment	13,344	4,718	35.4	160,048	18,053	11.3	173,391	18,013	10.4
Block production equipment	693	348	50.2	699	697	99.8	1,392	779	56.0
Mitad - Electric	97,059	8,220	8.5	22,245	7,043	31.7	119,304	9,412	7.9
Mitad - power saving (modern)	1,568	593	37.8	3,680	2,236	60.8	5,248	2,313	44.1
Refrigerator	66,022	5,878	8.9	7,726	3,080	39.9	73,747	6,360	8.6
Private car	1,529	683	44.7	588	588	100.0	2,118	902	42.6
Car - Commercial	2,072	850	41.0	930	695	74.7	3,002	1,098	36.6
Bajaj	2,712	888	32.8	-	-	-	2,712	888	32.8
Jewels (Gold and Silver)	193,254	16,371	8.5	321,270	25,229	7.9	514,525	22,005	4.3
Wardrobe	103,757	10,070	9.7	67,655	13,540	20.0	171,412	15,867	9.3
Shelf for storing goods	92,039	6,168	6.7	20,002	7,830	39.2	112,041	9,614	8.6
Biogas stove (pit)	-	-	-	-	-	-	-	-	-
Water storage pit	4,202	1,682	40.0	19,716	6,779	34.4	23,918	6,950	29.1
Chat plant (No. planted)	1,483	1,037	69.9	17,077	8,323	48.7	18,560	8,369	45.1
Coffee plant (No. planted)	4,796	1,308	27.3	23,230	5,203	22.4	28,026	5,365	19.1
Other permanent crops (No. planted)	21,097	3,485	16.5	238,572	20,850	8.7	259,669	20,838	8.0
Forestry (Eucalyptus tree)	21,454	5,189	24.2	303,574	26,311	8.7	325,027	25,468	7.8

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Afar									
Cattle-Indigenous (Except farm animals)	4,500	1,707	37.9	112,636	13,088	11.6	117,136	12,853	11.0
Cattle-Exotic/hybrid (Except farm animals)	17	24	138.6	-	-	-	17	24	138.6
Farm animals	38	36	94.4	25,809	5,118	19.8	25,847	5,118	19.8
Transport animals (Horse, Camel ...)	540	301	55.9	86,819	9,305	10.7	87,359	9,296	10.6
Other draught animals (Except farm animals)	3,784	1,348	35.6	117,718	7,798	6.6	121,502	7,881	6.5
Sheep and Goat	23,813	3,286	13.8	214,333	13,371	6.2	238,146	12,362	5.2
Chicken	4,066	1,367	33.6	11,756	4,171	35.5	15,822	3,975	25.1
Beehives-traditional	-	-	-	3,254	1,562	48.0	3,254	1,562	48.0
Beehives-partially modern	-	-	-	463	463	100.0	463	463	100.0
Beehives-modern	-	-	-	470	468	99.6	470	468	99.6
"Mofer" and "Kenber"	526	297	56.4	18,745	5,117	27.3	19,271	5,124	26.6
Sickle / "Machid"	11,828	3,436	29.1	83,475	11,555	13.8	95,303	10,446	11.0
Axe/"Gejera"	22,500	4,325	19.2	205,829	13,578	6.6	228,329	12,076	5.3
Pick Axe or "Geso"	8,411	1,666	19.8	56,710	8,169	14.4	65,121	8,272	12.7
Plough (traditional)	1,143	560	49.0	9,820	3,208	32.7	10,962	3,255	29.7
Plough (modern)	-	-	-	-	-	-	-	-	-
Water pump	169	169	100.0	937	664	70.9	1,107	686	62.0
Kerosene stove	-	-	-	-	-	-	-	-	-
Butane gas stove	5,262	1,497	28.5	1,416	721	50.9	6,677	1,624	24.3
Electric stove	7,713	2,482	32.2	2,344	1,075	45.9	10,057	2,646	26.3
Blanket/ Gabi	57,949	6,267	10.8	168,377	12,509	7.4	226,326	11,822	5.2
Mattress and/or Beds	86,242	8,871	10.3	68,990	11,203	16.2	155,232	12,408	8.0
Wrist Watch Clock	11,871	2,428	20.5	50,676	5,902	11.7	62,546	5,611	9.0
Iron (Coal)	448	362	80.7	-	-	-	448	362	80.7
Iron (Electric)	2,120	941	44.4	470	471	100.1	2,590	1,052	40.6
Fixed Line Telephone	1,459	765	52.4	937	668	71.2	2,397	1,015	42.4
Telephone (wireless)	701	427	61.0	2,350	1,041	44.3	3,051	1,112	36.5
Telephone (mobile)	79,590	8,279	10.4	141,216	11,378	8.1	220,807	10,597	4.8
Radio/Tape/Radio & Tape	17,804	3,130	17.6	20,209	4,420	21.9	38,013	3,716	9.8
Television	52,299	5,567	10.6	12,709	4,765	37.5	65,008	6,001	9.2
Video Deck	228	218	95.4	465	465	100.0	694	514	74.1
CD/CD/DVD	14,634	3,037	20.8	3,768	2,055	54.5	18,402	3,059	16.6
Dish	46,220	5,202	11.3	8,467	2,858	33.8	54,687	5,266	9.6
Sofa set	2,281	836	36.6	-	-	-	2,281	836	36.6
Chair & Table (Excluding stool & bench)	13,717	2,898	21.1	13,600	5,060	37.2	27,317	4,863	17.8
Bicycle	6,767	2,044	30.2	6,118	2,271	37.1	12,885	1,779	13.8
Motor Cycle	943	487	51.6	1,422	1,056	74.3	2,364	1,116	47.2
Cart (Hand pushed)	1,398	624	44.6	470	471	100.1	1,869	712	38.1
Cart (animal drawn) - for Transporting people & goods	2,079	832	40.0	2,814	1,464	52.0	4,893	1,679	34.3
Sewing machine	1,779	709	39.9	472	472	99.9	2,252	852	37.8
Weaving equipment	-	-	-	469	479	102.1	469	479	102.1
Builder's equipment	3,039	1,224	40.3	1,895	1,125	59.4	4,933	1,648	33.4
Carpenter's equipment	2,673	913	34.1	469	469	100.0	3,142	1,026	32.7
Welding equipment	294	293	99.8	-	-	-	294	293	99.8
Wood cutting equipment	519	374	72.2	-	-	-	519	374	72.2
Block production equipment	-	-	-	-	-	-	-	-	-
Mitad - Electric	1,754	969	55.2	-	-	-	1,754	969	55.2
Mitad - power saving (modern)	17,781	3,761	21.2	22,621	8,093	35.8	40,402	5,633	13.9
Refrigerator	31,370	4,981	15.9	5,177	1,984	38.3	36,547	5,330	14.6
Private car	216	216	100.0	-	-	-	216	216	100.0
Car - Commercial	1,810	779	43.1	-	-	-	1,810	779	43.1
Bajaj	2,503	1,257	50.2	476	476	100.0	2,979	1,344	45.1
Jewels (Gold and Silver)	20,886	2,937	14.1	6,106	1,918	31.4	26,991	3,337	12.4
Wardrobe	10,631	2,676	25.2	1,421	819	57.7	12,052	2,712	22.5
Shelf for storing goods	23,647	3,835	16.2	7,548	3,212	42.6	31,194	4,073	13.1
Biogas stove (pit)	507	408	80.5	-	-	-	507	408	80.5
Water storage pit	-	-	-	-	-	-	-	-	-
Chat plant (No. planted)	-	-	-	-	-	-	-	-	-
Coffee plant (No. planted)	-	-	-	-	-	-	-	-	-
Other permanent crops (No. planted)	2,082	1,282	61.6	4,225	2,313	54.8	6,307	2,643	41.9
Forestry (Eucalyptus tree)	245	291	118.6	468	468	100.0	713	550	77.3

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Amhara									
Cattle-Indigenous (Except farm animals)	105,436	10,236	9.7	2,490,366	77,328	3.1	2,595,802	75,872	2.9
Cattle-Exotic/hybrid (Except farm animals)	15,748	3,508	22.3	73,960	7,867	10.6	89,708	8,614	9.6
Farm animals	58,665	7,558	12.9	2,466,658	82,153	3.3	2,525,323	81,617	3.2
Transport animals (Horse, Camel ...)	6,703	1,690	25.2	328,971	37,046	11.3	335,674	37,075	11.1
Other draught animals (Except farm animals)	53,679	6,077	11.3	1,524,198	68,920	4.5	1,577,878	68,372	4.3
Sheep and Goat	101,620	8,786	8.7	1,914,026	68,430	3.6	2,015,645	66,645	3.3
Chicken	133,020	9,676	7.3	2,347,000	80,718	3.4	2,480,020	78,066	3.2
Beehives-traditional	7,731	1,862	24.1	446,536	31,580	7.1	454,266	31,542	6.9
Beehives-partially modern	-	-	-	16,711	5,439	32.6	16,711	5,439	32.6
Beehives-modern	-	-	-	29,631	7,376	24.9	29,631	7,376	24.9
"Mofer" and "Kenber"	96,241	9,649	10.0	2,919,290	90,571	3.1	3,015,531	89,043	3.0
Sickle / "Machid"	267,519	16,502	6.2	3,486,211	98,906	2.8	3,753,730	92,663	2.5
Axe/"Gejera"	431,844	19,452	4.5	3,325,772	96,804	2.9	3,757,616	86,944	2.3
Pick Axe or "Geso"	225,230	13,549	6.0	2,834,600	86,846	3.1	3,059,831	82,848	2.7
Plough (traditional)	103,781	10,599	10.2	2,885,056	91,745	3.2	2,988,837	89,758	3.0
Plough (modern)	1,584	713	45.0	12,173	3,143	25.8	13,758	3,223	23.4
Water pump	1,452	755	52.0	13,191	4,920	37.3	14,643	4,978	34.0
Kerosene stove	44,756	6,223	13.9	16,338	3,775	23.1	61,094	7,279	11.9
Butane gas stove	83,261	7,551	9.1	9,409	3,512	37.3	92,670	8,328	9.0
Electric stove	200,993	11,591	5.8	32,628	9,979	30.6	233,621	15,185	6.5
Blanket/ Gabi	1,001,692	29,438	2.9	3,729,366	104,688	2.8	4,731,058	83,079	1.8
Mattress and/or Beds	961,719	28,845	3.0	2,410,971	90,217	3.7	3,372,691	77,823	2.3
Wrist Watch Clock	133,124	9,540	7.2	437,999	34,024	7.8	571,123	33,171	5.8
Iron (Coal)	14,338	2,688	18.7	16,567	3,525	21.3	30,905	4,433	14.3
Iron (Electric)	28,715	3,577	12.5	8,189	3,026	37.0	36,904	4,685	12.7
Fixed Line Telephone	58,581	4,784	8.2	7,256	4,294	59.2	65,837	6,428	9.8
Telephone (wireless)	4,275	1,178	27.6	3,753	2,191	58.4	8,028	2,488	31.0
Telephone (mobile)	850,838	25,890	3.0	1,488,107	59,285	4.0	2,338,945	49,800	2.1
Radio/Tape/Radio & Tape	283,968	14,421	5.1	601,521	38,268	6.4	885,489	36,795	4.2
Television	416,429	15,926	3.8	52,129	14,976	28.7	468,557	21,822	4.7
Video Deck	22,250	3,851	17.3	1,829	1,831	100.1	24,079	4,075	16.9
CD/CD/DVD	189,581	9,890	5.2	33,195	7,306	22.0	222,776	12,252	5.5
Dish	296,839	14,721	5.0	37,749	13,981	37.0	334,588	20,268	6.1
Sofa set	176,241	9,209	5.2	9,336	4,941	52.9	185,577	10,451	5.6
Chair & Table (Excluding stool & bench)	459,935	19,167	4.2	415,295	37,911	9.1	875,230	37,715	4.3
Bicycle	18,600	3,066	16.5	10,311	3,637	35.3	28,911	4,757	16.5
Motor Cycle	2,604	1,077	41.4	-	-	-	2,604	1,077	41.4
Cart (Hand pushed)	5,513	1,481	26.9	6,733	2,238	33.2	12,246	2,684	21.9
Cart (animal drawn) - for Transporting people & goods	7,698	1,647	21.4	15,535	4,954	31.9	23,234	5,221	22.5
Sewing machine	16,666	2,899	17.4	31,091	6,277	20.2	47,758	6,914	14.5
Weaving equipment	16,706	3,527	21.1	43,340	21,086	48.7	60,046	21,379	35.6
Builder's equipment	24,035	3,484	14.5	20,221	6,271	31.0	44,256	7,035	15.9
Carpenter's equipment	42,926	4,408	10.3	70,942	11,222	15.8	113,868	11,590	10.2
Welding equipment	4,218	1,356	32.2	1,576	1,579	100.2	5,793	2,081	35.9
Wood cutting equipment	2,059	792	38.5	-	-	-	2,059	792	38.5
Block production equipment	-	-	-	-	-	-	-	-	-
Mitad - Electric	117,201	7,251	6.2	3,406	1,837	54.0	120,607	7,480	6.2
Mitad - power saving (modern)	79,937	8,083	10.1	129,258	31,876	24.7	209,196	31,647	15.1
Refrigerator	107,369	7,496	7.0	7,875	3,274	41.6	115,244	8,180	7.1
Private car	3,527	1,071	30.4	-	-	-	3,527	1,071	30.4
Car - Commercial	7,241	1,510	20.9	-	-	-	7,241	1,510	20.9
Bajaj	7,138	1,589	22.3	3,812	1,585	41.6	10,950	2,244	20.5
Jewels (Gold and Silver)	435,839	19,408	4.5	1,203,098	66,956	5.6	1,638,938	62,607	3.8
Wardrobe	120,817	7,418	6.1	17,302	6,257	36.2	138,119	9,595	7.0
Shelf for storing goods	271,124	11,411	4.2	44,422	12,619	28.4	315,546	15,863	5.0
Biogas stove (pit)	1,165	483	41.5	-	-	-	1,165	483	41.5
Water storage pit	9,883	2,670	27.0	63,033	17,512	27.8	72,915	17,597	24.1
Chat plant (No. planted)	9,607	2,586	26.9	335,487	44,608	13.3	345,094	44,369	12.9
Coffee plant (No. planted)	15,727	3,202	20.4	493,681	53,774	10.9	509,409	53,574	10.5
Other permanent crops (No. planted)	60,580	7,362	12.2	1,146,566	69,824	6.1	1,207,145	69,119	5.7
Forestry (Eucalyptus tree)	118,916	12,610	10.6	2,201,579	82,991	3.8	2,320,495	81,305	3.5

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Oromia									
Cattle-Indigenous (Except farm animals)	224,119	14,853	6.6	3,936,715	95,245	2.4	4,160,834	89,596	2.2
Cattle-Exotic/hybrid (Except farm animals)	38,932	5,428	13.9	138,275	9,570	6.9	177,207	10,312	5.8
Farm animals	103,777	10,624	10.2	2,884,271	74,963	2.6	2,988,048	72,710	2.4
Transport animals (Horse, Camel ...)	22,320	3,710	16.6	817,975	58,404	7.1	840,295	58,006	6.9
Other draught animals (Except farm animals)	54,622	8,927	16.3	1,771,143	70,375	4.0	1,825,765	69,705	3.8
Sheep and Goat	155,167	11,175	7.2	2,948,313	91,366	3.1	3,103,479	87,639	2.8
Chicken	208,860	13,938	6.7	2,976,134	81,489	2.7	3,184,994	77,039	2.4
Beehives-traditional	18,661	3,308	17.7	805,652	35,085	4.4	824,314	34,992	4.3
Beehives-partially modern	2,552	1,054	41.3	7,618	3,598	47.2	10,170	3,749	36.9
Beehives-modern	2,970	1,134	38.2	19,774	2,227	11.3	22,744	2,305	10.1
"Mofer" and "Kenber"	68,847	8,509	12.4	3,444,476	86,780	2.5	3,513,322	85,012	2.4
Sickle / "Machid"	258,205	17,994	7.0	4,583,621	112,501	2.5	4,841,826	106,357	2.2
Axe/"Gejera"	594,218	26,064	4.4	4,485,123	116,069	2.6	5,079,341	104,924	2.1
Pick Axe or "Geso"	267,177	17,813	6.7	3,510,467	87,242	2.5	3,777,644	82,382	2.2
Plough (traditional)	93,596	9,460	10.1	3,502,074	86,476	2.5	3,595,670	84,278	2.3
Plough (modern)	1,950	1,183	60.7	65,401	28,293	43.3	67,352	28,318	42.0
Water pump	3,801	1,483	39.0	35,849	10,565	29.5	39,649	10,226	25.8
Kerosene stove	51,855	9,317	18.0	2,574	2,574	100.0	54,430	9,666	17.8
Butane gas stove	146,119	10,830	7.4	55,920	7,668	13.7	202,039	11,859	5.9
Electric stove	285,294	13,948	4.9	19,780	4,051	20.5	305,073	14,525	4.8
Blanket/ Gabi	1,287,668	33,889	2.6	5,089,610	124,791	2.5	6,377,278	97,720	1.5
Mattress and/or Beds	1,262,795	33,790	2.7	3,761,389	111,885	3.0	5,024,184	90,201	1.8
Wrist Watch Clock	211,309	10,945	5.2	424,807	33,029	7.8	636,116	32,579	5.1
Iron (Coal)	18,668	3,029	16.2	11,867	4,523	38.1	30,535	5,444	17.8
Iron (Electric)	43,223	5,478	12.7	5,075	2,533	49.9	48,298	6,035	12.5
Fixed Line Telephone	87,306	6,850	7.9	17,293	-	-	104,599	6,850	6.6
Telephone (wireless)	12,127	2,202	18.2	12,166	-	-	24,293	2,202	9.1
Telephone (mobile)	1,172,991	31,205	2.7	2,642,998	77,654	2.9	3,815,989	59,764	1.6
Radio/Tape/Radio & Tape	563,584	19,692	3.5	1,533,253	51,967	3.4	2,096,837	46,884	2.2
Television	697,093	21,048	3.0	98,173	15,507	15.8	795,266	25,196	3.2
Video Deck	70,842	7,881	11.1	23,990	4,965	20.7	94,833	9,315	9.8
CD/CD/DVD	282,122	14,156	5.0	22,298	5,101	22.9	304,421	14,824	4.9
Dish	491,120	18,623	3.8	55,626	7,997	14.4	546,745	19,873	3.6
Sofa set	261,586	12,068	4.6	73,200	14,154	19.3	334,786	17,773	5.3
Chair & Table (Excluding stool & bench)	794,884	25,746	3.2	2,633,529	83,308	3.2	3,428,413	71,535	2.1
Bicycle	46,761	5,275	11.3	12,834	2,552	19.9	59,595	5,860	9.8
Motor Cycle	14,345	2,856	19.9	22,342	6,531	29.2	36,688	7,129	19.4
Cart (Hand pushed)	6,927	1,629	23.5	24,622	3,242	13.2	31,549	3,628	11.5
Cart (animal drawn)- for Transporting people & goods	20,908	4,423	21.2	76,493	14,754	19.3	97,401	15,280	15.7
Sewing machine	12,518	2,600	20.8	14,443	5,646	39.1	26,961	6,097	22.6
Weaving equipment	5,439	1,686	31.0	24,717	8,678	35.1	30,156	8,841	29.3
Builder's equipment	26,996	2,930	10.9	23,590	6,435	27.3	50,586	7,071	14.0
Carpenter's equipment	58,466	5,673	9.7	87,777	15,276	17.4	146,243	15,575	10.7
Welding equipment	6,755	1,670	24.7	5,117	3,618	70.7	11,872	3,985	33.6
Wood cutting equipment	5,408	1,574	29.1	45,582	5,988	13.1	50,990	6,191	12.1
Block production equipment	1,815	861	47.4	-	-	-	1,815	861	47.4
Mitad - Electric	192,414	11,970	6.2	9,917	4,265	43.0	202,331	12,707	6.3
Mitad - power saving (modern)	126,652	9,237	7.3	142,235	12,287	8.6	268,887	14,337	5.3
Refrigerator	202,507	11,601	5.7	16,974	4,093	24.1	219,480	12,241	5.6
Private car	6,927	1,591	23.0	5,115	2,575	50.4	12,041	3,027	25.1
Car - Commercial	16,383	3,421	20.9	5,106	-	-	21,489	3,421	15.9
Bajaj	10,341	2,020	19.5	7,685	2,564	33.4	18,026	3,264	18.1
Jewels (Gold and Silver)	436,103	17,852	4.1	543,558	32,856	6.0	979,661	33,346	3.4
Wardrobe	261,977	13,418	5.1	190,849	42,054	22.0	452,825	43,538	9.6
Shelf for storing goods	490,004	17,263	3.5	169,258	27,535	16.3	659,262	32,155	4.9
Biogas stove (pit)	2,260	1,026	45.4	-	-	-	2,260	1,026	45.4
Water storage pit	9,733	3,282	33.7	59,268	16,195	27.3	69,001	16,510	23.9
Chat plant (No. planted)	54,357	8,066	14.8	1,461,140	66,043	4.5	1,515,496	63,631	4.2
Coffee plant (No. planted)	116,705	10,565	9.1	1,736,346	80,934	4.7	1,853,050	78,246	4.2
Other permanent crops (No. planted)	85,876	9,250	10.8	1,788,232	80,832	4.5	1,874,108	79,453	4.2
Forestry (Eucalyptus tree)	91,382	8,776	9.6	2,364,855	75,698	3.2	2,456,237	74,021	3.0

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Benshangul-Gumuz									
Cattle-Indigenous (Except farm animals)	10,524	2,207	21.0	53,356	7,023	13.2	63,880	5,980	9.4
Cattle-Exotic/hybrid (Except farm animals)	31	37	121.0	301	302	100.4	331	304	91.8
Farm animals	8,591	1,945	22.6	61,484	8,109	13.2	70,075	7,477	10.7
Transport animals (Horse, Camel ...)	456	240	52.7	1,498	726	48.5	1,954	743	38.0
Other draught animals (Except farm animals)	5,095	1,391	27.3	32,404	5,714	17.6	37,499	5,433	14.5
Sheep and Goat	8,985	1,566	17.4	65,284	6,342	9.7	74,269	5,708	7.7
Chicken	12,580	2,176	17.3	91,399	9,256	10.1	103,979	8,234	7.9
Beehives-traditional	2,127	712	33.5	20,681	4,740	22.9	22,808	4,622	20.3
Beehives-partially modern	-	-	-	1,204	730	60.7	1,204	730	60.7
Beehives-modern	141	138	97.9	908	667	73.5	1,049	668	63.7
"Mofer" and "Kenber"	7,899	2,001	25.3	69,583	9,461	13.6	77,482	8,853	11.4
Sickle / "Machid"	20,823	3,195	15.3	147,181	12,907	8.8	168,005	11,109	6.6
Axe/"Gejera"	34,114	4,156	12.2	153,534	13,448	8.8	187,649	10,560	5.6
Pick Axe or "Geso"	23,593	3,440	14.6	144,241	13,028	9.0	167,834	10,947	6.5
Plough (traditional)	8,349	2,118	25.4	69,596	9,498	13.7	77,945	8,950	11.5
Plough (modern)	-	-	-	301	301	100.0	301	301	100.0
Water pump	-	-	-	294	292	99.4	294	292	99.4
Kerosene stove	31	37	119.3	303	306	100.9	334	308	92.2
Butane gas stove	1,067	311	29.2	303	306	100.9	1,370	430	31.4
Electric stove	1,616	329	20.4	600	428	71.3	2,217	540	24.4
Blanket/ Gabi	56,891	6,385	11.2	132,566	13,578	10.2	189,457	9,300	4.9
Mattress and/or Beds	52,864	6,013	11.4	125,360	12,368	9.9	178,224	8,983	5.0
Wrist Watch Clock	4,829	1,040	21.5	18,849	2,873	15.2	23,678	2,795	11.8
Iron (Coal)	1,422	378	26.6	295	295	99.8	1,718	461	26.8
Iron (Electric)	347	151	43.6	299	299	99.8	647	335	51.8
Fixed Line Telephone	1,109	355	32.0	298	300	100.6	1,407	465	33.0
Telephone (wireless)	378	201	53.1	-	-	-	378	201	53.1
Telephone (mobile)	49,432	5,609	11.4	91,776	8,824	9.6	141,208	6,338	4.5
Radio/Tape/Radio & Tape	17,643	2,477	14.0	49,700	5,841	11.8	67,344	4,977	7.4
Television	14,789	1,757	11.9	1,801	788	43.8	16,590	1,797	10.8
Video Deck	2,777	555	20.0	302	299	99.0	3,079	631	20.5
CD/CD/DVD	7,494	1,113	14.9	901	520	57.7	8,395	1,166	13.9
Dish	11,443	1,552	13.6	1,805	936	51.9	13,248	1,690	12.8
Sofa set	3,032	953	31.4	298	300	100.6	3,331	999	30.0
Chair & Table (Excluding stool & bench)	31,132	4,101	13.2	53,042	7,255	13.7	84,174	5,997	7.1
Bicycle	1,429	383	26.8	2,676	1,008	37.7	4,106	1,059	25.8
Motor Cycle	741	382	51.6	1,796	659	36.7	2,538	738	29.1
Cart (Hand pushed)	110	133	120.6	1,204	934	77.6	1,314	943	71.8
Cart (animal drawn)- for transporting people & goods	532	270	50.6	1,198	724	60.4	1,730	771	44.6
Sewing machine	425	271	63.7	-	-	-	425	271	63.7
Weaving equipment	110	133	120.6	298	299	100.3	408	314	76.8
Builder's equipment	867	308	35.6	301	301	100.0	1,168	407	34.8
Carpenter's equipment	942	397	42.2	2,092	859	41.1	3,033	933	30.8
Welding equipment	206	159	77.3	301	301	100.0	506	316	62.4
Wood cutting equipment	1,001	461	46.0	1,803	662	36.7	2,804	759	27.1
Block production equipment	98	104	106.5	-	-	-	98	104	106.5
Mitad - Electric	2,203	433	19.6	298	299	100.3	2,502	526	21.0
Mitad - power saving (modern)	1,084	368	34.0	4,205	1,846	43.9	5,289	1,834	34.7
Refrigerator	4,111	690	16.8	1,202	600	50.0	5,313	891	16.8
Private car	31	43	135.3	-	-	-	31	43	135.3
Car - Commercial	32	39	123.6	301	301	100.0	332	303	91.3
Bajaj	358	176	49.0	-	-	-	358	176	49.0
Jewels (Gold and Silver)	18,322	2,856	15.6	23,405	4,644	19.8	41,727	3,866	9.3
Wardrobe	2,407	542	22.5	1,195	575	48.2	3,602	766	21.3
Shelf for storing goods	9,534	1,307	13.7	2,401	846	35.2	11,935	1,406	11.8
Biogas stove (pit)	137	146	106.5	-	-	-	137	146	106.5
Water storage pit	517	327	63.2	294	292	99.4	812	439	54.0
Chat plant (No. planted)	3,838	1,557	40.6	26,417	6,441	24.4	30,254	6,077	20.1
Coffee plant (No. planted)	7,593	2,094	27.6	35,429	8,285	23.4	43,023	7,888	18.3
Other permanent crops (No. planted)	13,001	2,460	18.9	95,637	10,993	11.5	108,637	10,114	9.3
Forestry (Eucalyptus tree)	8,068	1,962	24.3	36,291	7,115	19.6	44,359	6,690	15.1

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
S.N.N.P									
Cattle-Indigenous (Except farm animals)	114,768	10,817	9.4	2,154,050	75,285	3.5	2,268,817	71,693	3.2
Cattle-Exotic/hybrid (Except farm animals)	14,071	2,386	17.0	53,505	6,883	12.9	67,576	6,995	10.4
Farm animals	34,839	6,277	18.0	1,249,434	55,787	4.5	1,284,273	53,946	4.2
Transport animals (Horse, Camel ...)	7,930	2,910	36.7	288,188	31,467	10.9	296,118	31,294	10.6
Other draught animals (Except farm animals)	6,838	1,686	24.7	481,639	30,109	6.3	488,477	29,912	6.1
Sheep and Goat	73,619	7,323	10.0	1,572,806	59,664	3.8	1,646,425	57,409	3.5
Chicken	151,866	11,669	7.7	1,766,921	74,744	4.2	1,918,787	70,104	3.7
Beehives-traditional	13,214	2,570	19.5	339,219	25,125	7.4	352,434	24,928	7.1
Beehives-partially modern	1,312	737	56.1	9,888	1,659	16.8	11,200	1,815	16.2
Beehives-modern	903	665	73.7	8,648	2,129	24.6	9,550	2,184	22.9
"Mofer" and "Kenber"	28,412	5,658	19.9	1,285,471	55,293	4.3	1,313,883	54,035	4.1
Sickle / "Machid"	133,283	11,606	8.7	2,092,752	83,632	4.0	2,226,036	80,042	3.6
Axe/"Gejera"	309,582	19,549	6.3	2,557,061	91,084	3.6	2,866,643	81,500	2.8
Pick Axe or "Geso"	201,747	13,635	6.8	2,421,271	81,155	3.4	2,623,019	75,200	2.9
Plough (traditional)	36,258	5,621	15.5	1,310,352	56,224	4.3	1,346,610	54,623	4.1
Plough (modern)	773	613	79.2	10,500	3,173	30.2	11,273	3,232	28.7
Water pump	1,547	728	47.1	1,320	1,317	99.8	2,867	1,505	52.5
Kerosene stove	26,391	3,868	14.7	20,611	5,678	27.6	47,002	6,870	14.6
Butane gas stove	70,618	6,432	9.1	2,150	1,646	76.5	72,768	6,435	8.8
Electric stove	111,875	8,233	7.4	6,042	3,070	50.8	117,917	8,532	7.2
Blanket/ Gabi	649,840	25,376	3.9	2,665,769	94,190	3.5	3,315,608	77,275	2.3
Mattress and/or Beds	620,947	24,770	4.0	1,196,651	61,693	5.2	1,817,598	49,817	2.7
Wrist Watch Clock	155,052	10,507	6.8	206,269	15,040	7.3	361,321	16,830	4.7
Iron (Coal)	5,887	1,333	22.7	2,275	1,693	74.4	8,162	2,155	26.4
Iron (Electric)	18,997	2,619	13.8	1,231	1,231	100.0	20,228	2,894	14.3
Fixed Line Telephone	47,921	4,622	9.7	1,921	-	-	49,842	4,622	9.3
Telephone (wireless)	2,841	1,004	35.3	7,237	3,702	51.2	10,078	3,836	38.1
Telephone (mobile)	602,073	23,757	4.0	1,066,186	49,634	4.7	1,668,259	40,235	2.4
Radio/Tape/Radio & Tape	345,226	15,955	4.6	736,592	39,945	5.4	1,081,818	36,390	3.4
Television	340,545	14,758	4.3	34,796	9,859	28.3	375,341	16,956	4.5
Video Deck	108,015	7,448	6.9	5,499	1,510	27.5	113,514	7,600	6.7
CD/CD/DVD	169,358	10,574	6.2	11,824	5,064	42.8	181,182	11,143	6.2
Dish	244,915	12,136	5.0	17,995	5,629	31.3	262,910	12,920	4.9
Sofa set	123,638	7,492	6.1	33,379	8,537	25.6	157,017	10,600	6.8
Chair & Table (Excluding stool & bench)	561,960	23,455	4.2	1,387,430	65,738	4.7	1,949,390	54,891	2.8
Bicycle	18,380	3,002	16.3	8,125	3,781	46.5	26,505	4,828	18.2
Motor Cycle	17,276	2,525	14.6	22,704	5,008	22.1	39,980	5,526	13.8
Cart (Hand pushed)	12,589	2,796	22.2	17,979	10,412	57.9	30,568	10,333	33.8
Cart (animal drawn)- for transporting people & goods	4,590	1,188	25.9	17,650	4,911	27.8	22,240	5,052	22.7
Sewing machine	5,308	1,355	25.5	3,062	1,520	49.7	8,370	2,036	24.3
Weaving equipment	1,709	668	39.1	4,228	1,095	25.9	5,937	1,282	21.6
Builder's equipment	13,214	2,627	19.9	20,322	4,714	23.2	33,536	5,334	15.9
Carpenter's equipment	44,474	5,290	11.9	75,054	12,864	17.1	119,528	13,451	11.3
Welding equipment	3,206	1,227	38.3	-	-	-	3,206	1,227	38.3
Wood cutting equipment	7,682	2,625	34.2	7,564	3,491	46.2	15,246	4,368	28.7
Block production equipment	321	228	71.2	-	-	-	321	228	71.2
Mitad - Electric	74,263	5,542	7.5	1,509	1,510	100.0	75,772	5,744	7.6
Mitad - power saving (modern)	32,022	4,271	13.3	1,532	1,525	99.5	33,554	4,535	13.5
Refrigerator	89,609	5,953	6.6	-	-	-	89,609	5,953	6.6
Private car	2,739	840	30.7	-	-	-	2,739	840	30.7
Car - Commercial	7,556	1,627	21.5	-	-	-	7,556	1,627	21.5
Bajaj	5,101	1,376	27.0	-	-	-	5,101	1,376	27.0
Jewels (Gold and Silver)	258,803	13,492	5.2	247,444	22,990	9.3	506,247	22,714	4.5
Wardrobe	130,647	8,319	6.4	219,059	18,552	8.5	349,706	19,417	5.6
Shelf for storing goods	220,511	10,818	4.9	67,463	11,670	17.3	287,974	14,501	5.0
Biogas stove (pit)	590	313	53.1	766	766	100.0	1,356	828	61.0
Water storage pit	1,549	651	42.0	15,567	3,083	19.8	17,117	3,151	18.4
Chat plant (No. planted)	29,150	6,342	21.8	609,823	44,678	7.3	638,974	43,795	6.9
Coffee plant (No. planted)	124,465	12,661	10.2	1,740,780	83,961	4.8	1,865,245	80,280	4.3
Other permanent crops (No. planted)	148,788	13,349	9.0	2,231,837	77,175	3.5	2,380,625	72,980	3.1
Forestry (Eucalyptus tree)	110,276	10,795	9.8	1,908,195	74,467	3.9	2,018,472	70,789	3.5

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Gambela									
Cattle-Indigenous (Except farm animals)	2,374	668	28.1	19,959	2,045	10.3	22,333	1,943	8.7
Cattle-Exotic/hybrid (Except farm animals)	177	107	60.8	95	85	90.1	271	137	50.5
Farm animals	716	402	56.1	13,316	1,981	14.9	14,032	1,887	13.5
Transport animals (Horse, Camel ...)	59	77	131.7	726	409	56.2	785	408	52.0
Other draught animals (Except farm animals)	311	152	48.9	910	301	33.1	1,221	333	27.3
Sheep and Goat	2,282	565	24.8	15,218	1,716	11.3	17,499	1,554	8.9
Chicken	5,398	835	15.5	26,905	2,384	8.9	32,303	2,064	6.4
Beehives-traditional	62	82	131.7	4,269	1,114	26.1	4,331	1,114	25.7
Beehives-partially modern	-	-	-	92	93	102.0	92	93	102.0
Beehives-modern	-	-	-	271	189	69.6	271	189	69.6
"Mofer" and "Kenber"	105	70	66.4	6,796	1,630	24.0	6,902	1,626	23.6
Sickle / "Machid"	4,249	737	17.4	28,507	2,722	9.6	32,756	2,477	7.6
Axe/"Gejera"	14,745	1,717	11.7	47,026	3,317	7.1	61,771	2,289	3.7
Pick Axe or "Geso"	7,655	1,222	16.0	33,768	2,938	8.7	41,423	2,419	5.8
Plough (traditional)	195	104	53.3	6,985	1,598	22.9	7,180	1,583	22.0
Plough (modern)	73	53	71.8	91	91	100.0	164	105	64.0
Water pump	75	53	70.4	274	189	69.0	349	196	56.3
Kerosene stove	83	84	100.4	183	167	91.4	266	182	68.4
Butane gas stove	884	231	26.1	91	89	98.3	975	244	25.0
Electric stove	1,887	403	21.4	90	88	97.6	1,976	404	20.4
Blanket/ Gabi	25,487	2,263	8.9	48,055	3,384	7.0	73,541	1,810	2.5
Mattress and/or Beds	28,545	2,206	7.7	28,703	2,675	9.3	57,248	1,830	3.2
Wrist Watch Clock	4,428	642	14.5	3,929	807	20.6	8,357	862	10.3
Iron (Coal)	252	122	48.6	-	-	-	252	122	48.6
Iron (Electric)	564	192	34.0	-	-	-	564	192	34.0
Fixed Line Telephone	642	184	28.6	-	-	-	642	184	28.6
Telephone (wireless)	465	206	44.2	271	188	69.4	736	279	37.9
Telephone (mobile)	28,473	2,167	7.6	26,612	2,437	9.2	55,086	1,653	3.0
Radio/Tape/Radio & Tape	8,331	880	10.6	7,475	1,157	15.5	15,806	1,187	7.5
Television	13,140	1,163	8.9	914	288	31.5	14,054	1,129	8.0
Video Deck	3,441	554	16.1	551	238	43.3	3,992	573	14.4
CD/CD/DVD	5,113	702	13.7	545	210	38.5	5,659	708	12.5
Dish	9,746	1,062	10.9	550	246	44.7	10,297	1,050	10.2
Sofa set	1,611	293	18.2	633	332	52.4	2,244	441	19.7
Chair & Table (Excluding stool & bench)	26,065	1,924	7.4	28,150	2,516	8.9	54,215	1,905	3.5
Bicycle	1,564	293	18.8	1,815	465	25.6	3,379	515	15.2
Motor Cycle	454	171	37.8	91	93	102.6	544	195	35.8
Cart (Hand pushed)	926	253	27.3	183	109	59.8	1,109	276	24.9
Cart (animal drawn)- for transporting people & goods	81	55	67.9	184	127	69.4	265	139	52.4
Sewing machine	-	-	-	-	-	-	-	-	-
Weaving equipment	473	345	72.8	-	-	-	473	345	72.8
Builder's equipment	2,171	351	16.2	-	-	-	2,171	351	16.2
Carpenter's equipment	702	201	28.6	2,000	707	35.3	2,702	726	26.9
Welding equipment	39	41	105.7	-	-	-	39	41	105.7
Wood cutting equipment	59	77	131.7	90	88	97.6	148	113	76.2
Block production equipment	-	-	-	-	-	-	-	-	-
Mitad - Electric	457	168	36.8	-	-	-	457	168	36.8
Mitad - power saving (modern)	461	184	40.0	-	-	-	461	184	40.0
Refrigerator	8,017	805	10.0	182	129	70.9	8,199	808	9.9
Private car	41	41	101.4	-	-	-	41	41	101.4
Car - Commercial	107	73	68.2	-	-	-	107	73	68.2
Bajaj	387	184	47.7	91	91	100.0	478	206	43.0
Jewels (Gold and Silver)	15,079	1,451	9.6	9,378	1,145	12.2	24,457	1,351	5.5
Wardrobe	1,890	495	26.2	1,183	476	40.3	3,072	648	21.1
Shelf for storing goods	5,237	880	16.8	1,819	518	28.5	7,056	872	12.4
Biogas stove (pit)	-	-	-	-	-	-	-	-	-
Water storage pit	-	-	-	-	-	-	-	-	-
Chat plant (No. planted)	298	179	60.2	3,008	951	31.6	3,306	921	27.9
Coffee plant (No. planted)	2,344	953	40.6	9,914	1,886	19.0	12,259	1,511	12.3
Other permanent crops (No. planted)	2,104	828	39.4	14,739	2,049	13.9	16,843	1,748	10.4
Forestry (Eucalyptus tree)	855	495	57.9	6,187	1,234	19.9	7,041	1,098	15.6

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Harari									
Cattle-Indigenous (Except farm animals)	365	328	89.7	14,139	1,908	13.5	14,504	1,893	13.1
Cattle-Exotic/hybrid (Except farm animals)	709	546	77.0	967	419	43.4	1,675	672	40.1
Farm animals	-	-	-	4,545	947	20.8	4,545	947	20.8
Transport animals (Horse, Camel ...)	-	-	-	1,790	607	33.9	1,790	607	33.9
Other draught animals (Except farm animals)	98	94	96.0	4,975	1,257	25.3	5,072	1,255	24.7
Sheep and Goat	3,592	1,437	40.0	12,957	1,758	13.6	16,549	1,911	11.6
Chicken	3,668	983	26.8	8,003	1,180	14.8	11,671	1,187	10.2
Beehives-traditional	198	136	68.7	1,171	390	33.3	1,369	404	29.5
Beehives-partially modern	-	-	-	69	70	101.3	69	70	101.3
Beehives-modern	-	-	-	69	70	101.3	69	70	101.3
"Mofer" and "Kenber"	289	196	68.0	5,586	1,386	24.8	5,875	1,381	23.5
Sickle / "Machid"	11,080	2,039	18.4	17,725	2,284	12.9	28,804	1,738	6.0
Axe/"Gejera"	14,292	2,235	15.6	16,477	2,172	13.2	30,769	1,448	4.7
Pick Axe or "Geso"	4,732	1,300	27.5	691	347	50.3	5,423	1,306	24.1
Plough (traditional)	122	117	95.8	16,764	2,204	13.2	16,886	2,192	13.0
Plough (modern)	-	-	-	1,918	726	37.8	1,918	726	37.8
Water pump	449	337	75.0	4,000	903	22.6	4,449	933	21.0
Kerosene stove	25,733	3,758	14.6	-	-	-	25,733	3,758	14.6
Butane gas stove	687	270	39.4	2,879	867	30.1	3,566	872	24.5
Electric stove	17,677	2,730	15.4	139	99	71.3	17,816	2,717	15.3
Blanket/ Gabi	38,173	5,327	14.0	19,516	2,489	12.8	57,689	3,239	5.6
Mattress and/or Beds	37,379	5,251	14.1	14,268	2,049	14.4	51,647	3,812	7.4
Wrist Watch Clock	9,381	1,591	17.0	2,964	579	19.6	12,345	1,403	11.4
Iron (Coal)	419	234	55.8	138	97	70.2	557	249	44.7
Iron (Electric)	5,703	1,248	21.9	208	145	69.9	5,910	1,241	21.0
Fixed Line Telephone	4,654	834	17.9	-	-	-	4,654	834	17.9
Telephone (wireless)	631	233	37.0	-	-	-	631	233	37.0
Telephone (mobile)	35,137	5,020	14.3	11,996	1,741	14.5	47,132	3,821	8.1
Radio/Tape/Radio & Tape	21,444	3,119	14.5	6,335	1,202	19.0	27,779	2,604	9.4
Television	31,292	4,317	13.8	2,752	797	29.0	34,045	4,061	11.9
Video Deck	1,478	454	30.7	1,789	606	33.9	3,267	699	21.4
CD/CD/DVD	14,863	2,393	16.1	897	360	40.1	15,760	2,330	14.8
Dish	25,024	3,563	14.2	2,064	630	30.5	27,089	3,379	12.5
Sofa set	10,306	1,945	18.9	-	-	-	10,306	1,945	18.9
Chair & Table (Excluding stool & bench)	5,278	977	18.5	69	68	98.7	5,347	973	18.2
Bicycle	1,043	319	30.6	-	-	-	1,043	319	30.6
Motor Cycle	415	241	58.1	-	-	-	415	241	58.1
Cart (Hand pushed)	1,124	360	32.1	1,173	428	36.5	2,297	520	22.6
Cart (animal drawn) - for Transporting people & goods	-	-	-	69	69	100.4	69	69	100.4
Sewing machine	245	176	71.9	69	68	98.7	314	187	59.7
Weaving equipment	-	-	-	-	-	-	-	-	-
Builder's equipment	3,214	741	23.0	139	98	70.4	3,353	737	22.0
Carpenter's equipment	2,624	666	25.4	414	184	44.4	3,037	664	21.9
Welding equipment	289	162	56.0	-	-	-	289	162	56.0
Wood cutting equipment	265	145	54.6	68	67	99.4	333	158	47.4
Block production equipment	167	160	95.9	-	-	-	167	160	95.9
Mitad - Electric	12,870	2,196	17.1	69	72	103.7	12,940	2,191	16.9
Mitad - power saving (modern)	670	234	35.0	4,951	1,479	29.9	5,621	1,462	26.0
Refrigerator	12,582	2,225	17.7	69	69	100.4	12,651	2,220	17.6
Private car	-	-	-	-	-	-	-	-	-
Car - Commercial	777	254	32.7	208	117	56.4	985	271	27.5
Bajaj	1,122	348	31.0	138	96	69.8	1,260	354	28.1
Jewels (Gold and Silver)	21,981	3,202	14.6	1,509	441	29.2	23,489	3,061	13.0
Wardrobe	13,636	2,268	16.6	-	-	-	13,636	2,268	16.6
Shelf for storing goods	18,225	2,857	15.7	69	71	101.9	18,294	2,851	15.6
Biogas stove (pit)	-	-	-	-	-	-	-	-	-
Water storage pit	731	644	88.2	3,518	1,026	29.2	4,249	1,177	27.7
Chat plant (No. planted)	2,119	1,493	70.5	16,689	2,229	13.4	18,808	2,460	13.1
Coffee plant (No. planted)	122	117	95.8	2,131	674	31.6	2,253	678	30.1
Other permanent crops (No. planted)	365	328	89.7	7,463	1,739	23.3	7,828	1,745	22.3
Forestry (Eucalyptus tree)	487	433	89.0	9,584	1,593	16.6	10,071	1,605	15.9

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Addis Ababa									
Cattle-Indigenous (Except farm animals)	3,588	1,912	53.3	-	-	-	3,588	1,912	53.3
Cattle-Exotic/hybrid (Except farm animals)	1,413	716	50.6	-	-	-	1,413	716	50.6
Farm animals	2,573	1,849	71.9	-	-	-	2,573	1,849	71.9
Transport animals (Horse, Camel ...)	328	230	70.2	-	-	-	328	230	70.2
Other draught animals (Except farm animals)	4,354	2,828	65.0	-	-	-	4,354	2,828	65.0
Sheep and Goat	2,508	989	39.4	-	-	-	2,508	989	39.4
Chicken	7,983	1,864	23.4	-	-	-	7,983	1,864	23.4
Beehives-traditional	761	467	61.4	-	-	-	761	467	61.4
Beehives-partially modern	-	-	-	-	-	-	-	-	-
Beehives-modern	72	74	102.5	-	-	-	72	74	102.5
"Mofer" and "Kenber"	4,024	2,532	62.9	-	-	-	4,024	2,532	62.9
Sickle / "Machid"	40,008	4,388	11.0	-	-	-	40,008	4,388	11.0
Axe/"Gejera"	162,069	8,481	5.2	-	-	-	162,069	8,481	5.2
Pick Axe or "Geso"	113,586	7,073	6.2	-	-	-	113,586	7,073	6.2
Plough (traditional)	4,441	2,637	59.4	-	-	-	4,441	2,637	59.4
Plough (modern)	-	-	-	-	-	-	-	-	-
Water pump	765	449	58.8	-	-	-	765	449	58.8
Kerosene stove	80,972	6,996	8.6	-	-	-	80,972	6,996	8.6
Butane gas stove	190,625	8,498	4.5	-	-	-	190,625	8,498	4.5
Electric stove	539,429	13,832	2.6	-	-	-	539,429	13,832	2.6
Blanket/ Gabi	825,870	15,571	1.9	-	-	-	825,870	15,571	1.9
Mattress and/or Beds	821,344	15,722	1.9	-	-	-	821,344	15,722	1.9
Wrist Watch Clock	219,188	9,951	4.5	-	-	-	219,188	9,951	4.5
Iron (Coal)	10,020	1,492	14.9	-	-	-	10,020	1,492	14.9
Iron (Electric)	130,347	9,172	7.0	-	-	-	130,347	9,172	7.0
Fixed Line Telephone	138,366	7,530	5.4	-	-	-	138,366	7,530	5.4
Telephone (wireless)	10,579	1,919	18.1	-	-	-	10,579	1,919	18.1
Telephone (mobile)	810,786	15,251	1.9	-	-	-	810,786	15,251	1.9
Radio/Tape/Radio & Tape	473,810	11,705	2.5	-	-	-	473,810	11,705	2.5
Television	675,892	13,207	2.0	-	-	-	675,892	13,207	2.0
Video Deck	44,799	4,891	10.9	-	-	-	44,799	4,891	10.9
CD/CD/DVD	381,684	10,829	2.8	-	-	-	381,684	10,829	2.8
Dish	478,666	12,816	2.7	-	-	-	478,666	12,816	2.7
Sofa set	449,014	11,997	2.7	-	-	-	449,014	11,997	2.7
Chair & Table (Excluding stool & bench)	336,780	13,270	3.9	-	-	-	336,780	13,270	3.9
Bicycle	15,872	2,429	15.3	-	-	-	15,872	2,429	15.3
Motor Cycle	2,066	741	35.9	-	-	-	2,066	741	35.9
Cart (Hand pushed)	-	-	-	-	-	-	-	-	-
Cart (animal drawn)- for Transporting people & goods	167	169	100.9	-	-	-	167	169	100.9
Sewing machine	5,849	1,229	21.0	-	-	-	5,849	1,229	21.0
Weaving equipment	7,546	2,307	30.6	-	-	-	7,546	2,307	30.6
Builder's equipment	10,290	1,960	19.1	-	-	-	10,290	1,960	19.1
Carpenter's equipment	18,710	2,369	12.7	-	-	-	18,710	2,369	12.7
Welding equipment	2,618	870	33.3	-	-	-	2,618	870	33.3
Wood cutting equipment	587	309	52.7	-	-	-	587	309	52.7
Block production equipment	238	169	70.9	-	-	-	238	169	70.9
Mitad - Electric	488,019	13,726	2.8	-	-	-	488,019	13,726	2.8
Mitad - power saving (modern)	12,830	1,934	15.1	-	-	-	12,830	1,934	15.1
Refrigerator	370,932	13,626	3.7	-	-	-	370,932	13,626	3.7
Private car	52,823	5,500	10.4	-	-	-	52,823	5,500	10.4
Car - Commercial	23,764	2,497	10.5	-	-	-	23,764	2,497	10.5
Bajaj	2,245	776	34.6	-	-	-	2,245	776	34.6
Jewels (Gold and Silver)	260,935	11,137	4.3	-	-	-	260,935	11,137	4.3
Wardrobe	476,268	12,018	2.5	-	-	-	476,268	12,018	2.5
Shelf for storing goods	564,299	13,155	2.3	-	-	-	564,299	13,155	2.3
Biogas stove (pit)	2,636	1,001	38.0	-	-	-	2,636	1,001	38.0
Water storage pit	306	215	70.3	-	-	-	306	215	70.3
Chat plant (No. planted)	138	136	98.6	-	-	-	138	136	98.6
Coffee plant (No. planted)	375	221	58.9	-	-	-	375	221	58.9
Other permanent crops (No. planted)	1,406	532	37.9	-	-	-	1,406	532	37.9
Forestry (Eucalyptus tree)	3,089	1,141	37.0	-	-	-	3,089	1,141	37.0

Table 9.1(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Household Who Own Asset by Type of Asset and Region - Total- 2016

Region and Type of Assets	Urban			Rural			Total		
	Estimate	SE	CV(%)	Estimate	SE	CV(%)	Estimate	SE	CV(%)
Dire Dawa									
Cattle-Indigenous (Except farm animals)	232	232	100.0	20,103	1,504	7.5	20,335	1,522	7.5
Cattle-Exotic/hybrid (Except farm animals)	-	-	-	-	-	-	-	-	-
Farm animals	-	-	-	713	364	51.1	713	364	51.1
Transport animals (Horse, Camel, ...)	232	232	100.0	2,537	826	32.6	2,768	858	31.0
Other draught animals (Except farm animals)	308	308	99.9	12,555	1,739	13.9	12,863	1,766	13.7
Sheep and Goat	8,446	3,238	38.3	25,198	633	2.5	33,644	3,299	9.8
Chicken	2,852	960	33.7	14,901	1,331	8.9	17,753	1,641	9.3
Beehives-traditional	-	-	-	612	256	41.8	612	256	41.8
Beehives-partially modern	-	-	-	-	-	-	-	-	-
Beehives-modern	308	308	99.9	-	-	-	308	308	99.9
"Mofer" and "Kenber"	308	308	99.9	913	355	38.9	1,221	470	38.5
Sickle / "Machid"	4,322	2,145	49.6	20,508	968	4.7	24,830	2,353	9.5
Axe/"Gejera"	10,261	3,269	31.9	24,486	884	3.6	34,746	3,386	9.8
Pick Axe or "Geso"	6,644	2,681	40.4	15,912	1,497	9.4	22,557	3,070	13.6
Plough (traditional)	617	602	97.7	711	294	41.4	1,328	670	50.5
Plough (modern)	-	-	-	-	-	-	-	-	-
Water pump	536	377	70.3	101	98	97.2	637	390	61.1
Kerosene stove	22,299	2,109	9.5	813	410	50.4	23,113	2,148	9.3
Butane gas stove	3,279	1,060	32.3	613	312	50.9	3,892	1,105	28.4
Electric stove	20,155	4,232	21.0	510	240	47.0	20,665	4,239	20.5
Blanket/ Gabi	47,979	4,256	8.9	21,097	1,112	5.3	69,077	4,399	6.4
Mattress and/or Beds	63,864	4,361	6.8	12,233	1,457	11.9	76,097	4,597	6.0
Wrist Watch Clock	16,844	2,572	15.3	3,461	722	20.9	20,306	2,671	13.2
Iron (Coal)	1,683	522	31.0	-	-	-	1,683	522	31.0
Iron (Electric)	9,182	1,817	19.8	-	-	-	9,182	1,817	19.8
Fixed Line Telephone	4,406	943	21.4	203	137	67.5	4,610	952	20.7
Telephone (wireless)	1,160	626	53.9	-	-	-	1,160	626	53.9
Telephone (mobile)	66,456	4,694	7.1	7,848	1,287	16.4	74,304	4,867	6.6
Radio/Tape/Radio & Tape	36,904	2,485	6.7	3,675	660	18.0	40,579	2,571	6.3
Television	49,700	3,481	7.0	1,324	611	46.2	51,024	3,534	6.9
Video Deck	977	431	44.1	-	-	-	977	431	44.1
CD/CD/DVD	17,353	3,115	18.0	-	-	-	17,353	3,115	18.0
Dish	41,564	3,497	8.4	1,020	422	41.3	42,584	3,522	8.3
Sofa set	8,336	2,385	28.6	-	-	-	8,336	2,385	28.6
Chair & Table (Excluding stool & bench)	6,030	1,981	32.9	204	137	67.1	6,233	1,986	31.9
Bicycle	2,989	824	27.6	-	-	-	2,989	824	27.6
Motor Cycle	773	391	50.5	-	-	-	773	391	50.5
Cart (Hand pushed)	5,427	1,957	36.1	305	206	67.5	5,732	1,968	34.3
Cart (animal drawn)- for transporting people & goods	163	164	101.0	-	-	-	163	164	101.0
Sewing machine	340	241	70.9	-	-	-	340	241	70.9
Weaving equipment	-	-	-	-	-	-	-	-	-
Builder's equipment	4,415	1,331	30.1	102	98	95.8	4,517	1,334	29.5
Carpenter's equipment	2,389	872	36.5	-	-	-	2,389	872	36.5
Welding equipment	-	-	-	-	-	-	-	-	-
Wood cutting equipment	145	144	99.4	-	-	-	145	144	99.4
Block production equipment	228	230	100.9	-	-	-	228	230	100.9
Mitad - Electric	10,759	2,866	26.6	-	-	-	10,759	2,866	26.6
Mitad - power saving (modern)	13,300	2,709	20.4	-	-	-	13,300	2,709	20.4
Refrigerator	24,504	3,560	14.5	305	206	67.4	24,809	3,566	14.4
Private car	541	379	70.1	-	-	-	541	379	70.1
Car - Commercial	308	308	99.9	-	-	-	308	308	99.9
Bajaj	2,567	1,069	41.7	102	100	97.2	2,669	1,074	40.2
Jewels (Gold and Silver)	37,988	3,305	8.7	815	390	47.9	38,803	3,328	8.6
Wardrobe	29,214	2,758	9.4	304	271	89.0	29,519	2,771	9.4
Shelf for storing goods	33,220	3,551	10.7	508	297	58.3	33,728	3,564	10.6
Biogas stove (pit)	-	-	-	-	-	-	-	-	-
Water storage pit	808	407	50.4	-	-	-	808	407	50.4
Chat plant (No. planted)	308	308	99.9	8,890	1,770	19.9	9,198	1,796	19.5
Coffee plant (No. planted)	-	-	-	3,066	1,284	41.9	3,066	1,284	41.9
Other permanent crops (No. planted)	776	435	56.0	1,736	836	48.2	2,512	942	37.5
Forestry (Eucalyptus tree) (No. planted)	-	-	-	-	-	-	-	-	-

Table 10.1(a): Estimates of Standard Errors and Coefficients of Variations of the Estimates of Households by Number of Months with Food Shortage and Region - Total - 2016

Region and Number of Months	Estimate	SE	CV(%)

Country Level			
Households Suffered from Food Shortage	2,010,467	71,157	3.5
Up to 1 month	244,246	17,143	7.0
2 - 3 Months	1,042,215	44,605	4.3
4 - 6 Months	631,740	44,332	7.0
7 - 9 Months	53,703	12,140	22.6
10 - 12 Months	38,369	6,800	17.7
Not Stated	195	142	73.0
Total	19,399,161	166,503	.9
Tigray			
Households Suffered from Food Shortage	143,534	12,330	8.6
Up to 1 month	29,947	4,534	15.1
2 - 3 Months	86,936	9,466	10.9
4 - 6 Months	24,506	4,443	18.1
7 - 9 Months	876	726	82.8
10 - 12 Months	1,268	717	56.6
Not Stated	-	-	-
Total	1,185,543	28,813	2.4
Afar			
Households Suffered from Food Shortage	32,389	7,539	23.3
Up to 1 month	11,886	2,716	22.9
2 - 3 Months	4,537	2,013	44.4
4 - 6 Months	12,428	5,975	48.1
7 - 9 Months	3,298	1,403	42.5
10 - 12 Months	240	240	100.0
Not Stated	-	-	-
Total	362,739	11,129	3.1
Amhara			
Households Suffered from Food Shortage	562,787	43,237	7.7
Upto 1 month	73,501	9,674	13.2
2 - 3 Months	334,908	35,411	10.6
4 - 6 Months	137,613	14,763	10.7
7 - 9 Months	2,737	1,943	71.0
10 - 12 Months	14,027	3,920	28.0
Not Stated	-	-	-
Total	5,031,637	85,082	1.7

Table 10.1(a) Cont'd: Estimates of Standard Errors and Coefficients of Variations of the Estimates of Households by Number of Months with Food Shortage and Region - Total - 2016

Region and Number of Months	Estimate	SE	CV(%)

Oromia			
Households Suffered from Food Shortage	732,805	46,723	6.4
Up to 1 month	57,105	8,230	14.4
2 - 3 Months	335,420	17,871	5.3
4 - 6 Months	291,422	35,214	12.1
7 - 9 Months	34,999	11,446	32.7
10 - 12 Months	13,728	2,702	19.7
Not Stated	131	128	97.6
Total	6,945,276	98,560	1.4
Somale			
Households Suffered from Food Shortage	49,443	14,329	29.0
Up to 1 month	6,484	1,425	22.0
2 - 3 Months	27,146	9,057	33.4
4 - 6 Months	15,109	5,887	39.0
7 - 9 Months	101	106	105.5
10 - 12 Months	603	359	59.5
Not Stated	-	-	-
Total	924,962	49,338	5.3
Benshangul-Gumuz			
Households Suffered from Food Shortage	18,807	2,828	15.0
Up to 1 month	2,675	741	27.7
2 - 3 Months	11,861	2,266	19.1
4 - 6 Months	3,559	1,150	32.3
7 - 9 Months	301	301	100.2
10 - 12 Months	412	330	80.1
Not Stated	-	-	-
Total	231,741	9,059	3.9
S.N.N.P			
Households Suffered from Food Shortage	449,636	24,120	5.4
Up to 1 month	55,632	10,019	18.0
2 - 3 Months	231,855	15,258	6.6
4 - 6 Months	144,817	20,385	14.1
7 - 9 Months	10,875	3,146	28.9
10 - 12 Months	6,395	4,742	74.2
Not Stated	64	62	96.9
Total	3,642,657	83,815	2.3

Table 10.1(a) Cont'd: Estimates of Standard Errors and Coefficients of Variations of the Estimates of Households by Number of Months with Food Shortage and Region - Total - 2016

Region and Number of Months	Estimate	SE	CV(%)

Gambela			
Households Suffered from Food Shortage	3,108	836	26.9
Up to 1 month	2,015	650	32.2
2 - 3 Months	1,058	318	30.0
4 - 6 Months	34	41	119.9
7 - 9 Months	-	-	-
10 - 12 Months	-	-	-
Not Stated	-	-	-
Total	85,580	1,453	1.7
Harari			
Households Suffered from Food Shortage	-	-	-
Up to 1 month	-	-	-
2 - 3 Months	-	-	-
4 - 6 Months	-	-	-
7 - 9 Months	-	-	-
10 - 12 Months	-	-	-
Not Stated	-	-	-
Total	58,766	3,333	5.7
Addis Ababa			
Households Suffered from Food Shortage	11,056	1,834	16.6
Up to 1 month	2,776	927	33.4
2 - 3 Months	4,651	1,055	22.7
4 - 6 Months	1,649	544	33.0
7 - 9 Months	415	293	70.7
10 - 12 Months	1,565	511	32.7
Not Stated	-	-	-
Total	830,700	15,436	1.9
Dire Dawa			
Households Suffered from Food Shortage	6,901	1,687	24.4
Up to 1 month	2,223	605	27.2
2 - 3 Months	3,843	1,214	31.6
4 - 6 Months	602	272	45.2
7 - 9 Months	102	102	99.4
10 - 12 Months	131	130	99.7
Not Stated	-	-	-
Total	99,558	4,857	4.9

Table 10.2(a): Estimates of Standard Errors & Coefficients of Variations of the
 Estimates of Households by Number of Months the Current Year Production
 Lasts in Feeding the Household and Region - Total - 2016

Region and Number of Months	Estimate	SE	CV(%)

Country Level			
Up to 3 months	1,646,708	77,935	4.7
4 - 6 months	2,448,999	85,512	3.5
7 - 9 months	2,370,336	78,592	3.3
10 - 12 months	6,249,134	129,326	2.1
Above 12 months	355,051	34,780	9.8
Not Stated	1,666,979	53,156	3.2
Total	14,737,206	209,877	1.4
Tigray			
Up to 3 months	150,135	16,825	11.2
4 - 6 months	156,328	13,733	8.8
7 - 9 months	149,525	12,020	8.0
10 - 12 months	260,087	18,629	7.2
Above 12 months	35,110	10,220	29.1
Not Stated	77,464	10,632	13.7
Total	828,649	41,416	5.0
Afar			
Up to 3 months	20,612	4,579	22.2
4 - 6 months	14,540	4,391	30.2
7 - 9 months	14,021	3,059	21.8
10 - 12 months	6,539	3,118	47.7
Above 12 months	-	-	-
Not Stated	214,472	12,652	5.9
Total	270,185	15,029	5.6
Amhara			
Up to 3 months	333,909	35,082	10.5
4 - 6 months	491,854	42,298	8.6
7 - 9 months	568,739	37,275	6.6
10 - 12 months	2,124,819	80,687	3.8
Above 12 months	80,760	13,245	16.4
Not Stated	403,639	20,388	5.1
Total	4,003,721	108,404	2.7
Oromia			
Up to 3 months	425,254	45,952	10.8
4 - 6 months	960,953	46,621	4.9
7 - 9 months	865,642	48,909	5.7
10 - 12 months	2,802,215	84,238	3.0
Above 12 months	200,786	28,709	14.3
Not Stated	364,746	23,720	6.5
Total	5,619,595	128,812	2.3
Somale			
Up to 3 months	149,358	15,807	10.6
4 - 6 months	114,386	20,438	17.9
7 - 9 months	45,991	16,509	35.9
10 - 12 months	5,407	2,702	50.0
Above 12 months	-	-	-
Not Stated	462,705	36,076	7.8
Total	777,848	56,412	7.3

Table 10.2(a) Cont'd: Estimates of Standard Errors & Coefficients of Variations of the Estimates of Households by Number of Months the Current Year Production Lasts in Feeding the Household and Region - Total - 2016

Region and Number of Months	Estimate	SE	CV(%)

Benshangul-Gumuz			
Up to 3 months	10,206	2,201	21.6
4 - 6 months	18,320	3,095	16.9
7 - 9 months	28,787	3,924	13.6
10 - 12 months	103,394	10,072	9.7
Above 12 months	301	300	99.5
Not Stated	11,697	1,439	12.3
Total	172,705	14,102	8.2
S.N.N.P			
Up to 3 months	538,265	46,554	8.7
4 - 6 months	659,110	52,011	7.9
7 - 9 months	683,804	44,154	6.5
10 - 12 months	924,822	51,431	5.6
Above 12 months	37,367	10,261	27.5
Not Stated	119,379	16,348	13.7
Total	2,962,747	101,802	3.4
Gambela			
Up to 3 months	7,040	1,708	24.3
4 - 6 months	14,172	2,263	16.0
7 - 9 months	9,913	1,806	18.2
10 - 12 months	16,832	2,620	15.6
Above 12 months	727	381	52.5
Not Stated	3,829	486	12.7
Total	52,513	3,484	6.6
Harari			
Up to 3 months	4,676	1,161	24.8
4 - 6 months	7,395	1,398	18.9
7 - 9 months	2,275	498	21.9
10 - 12 months	4,411	1,071	24.3
Above 12 months	-	-	-
Not Stated	1,101	241	21.9
Total	19,859	2,525	12.7
Dire Dawa			
Up to 3 months	7,252	1,114	15.4
4 - 6 months	11,940	1,555	13.0
7 - 9 months	1,638	548	33.4
10 - 12 months	608	253	41.6
Above 12 months	-	-	-
Not Stated	7,946	1,752	22.0
Total	29,384	42	.1

ANNEX III

REGIONAL DISTRIBUTION OF

THE 2016 WMS SAMPLE EA'S

AND HOUSEHOLDS

ANNEX III

Table 1. Summary Table of the Planned and Covered EAs & Households of the Country Aggregate Domain, WMS 2015/16.

COUNTRY DOMAIN	Enumeration Area		Household		
	Planned	Covered	Planned	Covered	Response rate
COUNTRY TOTAL	2106	2106	30,240	30,237	99.99
COUNTRY URBAN	1242	1242	19872	19869	99.98
COUNTRY RURAL	864	864	10368	10368	100.00

Table 2. Distribution of Planned and Covered EAs & Households of the Rural Domain by Region, WMS 2015/16.

Region	Enumeration Area		Household		
	Planned	Covered	Planned	Covered	Response rate
All Regions	864	864	10,368	10,368	100.00
TIGRAY	96	96	1,152	1,152	100.00
AFFAR	48	48	576	576	100.00
AMHARA	168	168	2,016	2,016	100.00
OROMIA	192	192	2,304	2,304	100.00
SOMALI	48	48	576	576	100.00
BENISHANGUL GUMUZ	48	48	576	576	100.00
SNNP	168	168	2,016	2,016	100.00
GAMBELLA	48	48	576	576	100.00
HARARI	24	24	288	288	100.00
DIRE DAWA	24	24	288	288	100.00

ANNEX III

Table 3. Distribution of Planned and Covered EAs & Households of the Major Urban Domain by Region, WMS 2015/16.

Region	Major Urban Domains	Enumeration Area		Household		
		Planned	Covered	Planned	Covered	Response rate
All Regions		744	744	11,904	11,901	99.97
TIGRAY	Mekele	24	24	384	384	100.00
AFFAR	Aysaeta	24	24	384	384	100.00
AMHARA	Bahirdar	24	24	384	384	100.00
	Gonder	24	24	384	384	100.00
	Dessie	24	24	384	384	100.00
	Debrebirhan	24	24	384	384	100.00
OROMIA	Nazeret	24	24	384	384	100.00
	Debrezeit	24	24	384	384	100.00
	Jimma	24	24	384	384	100.00
	Nekemte	24	24	384	384	100.00
	Shashemene	24	24	384	384	100.00
SOMALI	Jijiga	24	24	384	384	100.00
BENISHANGUL GUMUZ	Asosa	24	24	384	384	100.00
SNNP	Hwassa	24	24	384	381	99.22
	Hosaena	24	24	384	384	100.00
	Arbaminch	24	24	384	384	100.00
	Sodo	24	24	384	384	100.00
	Dilla	24	24	384	384	100.00
GAMBELLA	Gambella	24	24	384	384	100.00
HARARI	Harar	24	24	384	384	100.00
ADDIS ABABA	AKAKI KALITY	24	24	384	384	100.00
	NEFAS SILK-LAFTO	24	24	384	384	100.00
	KOLFE KERANIYO	24	24	384	384	100.00
	GULELE	24	24	384	384	100.00
	LIDETA	24	24	384	384	100.00
	CHERKOS	24	24	384	384	100.00
	ARADA	24	24	384	384	100.00
	ADDIS KETEMA	24	24	384	384	100.00
	YEKA	24	24	384	384	100.00
	BOLE	24	24	384	384	100.00
DIRE DAWA	DIRE DAWA	24	24	384	384	100.00

ANNEX III

Table 4. Distribution of Planned and Covered EAs & Households of the Other Urban Domain by Region, WMS 2015/16.

Region	Enumeration Area		Household		Response rate
	Planned	Covered	Planned	Covered	
All Regions	498	498	7,968	7,968	100.00
TIGRAY OTHER URBAN	48	48	768	768	100.00
AFFAR OTHER URBAN	24	24	384	384	100.00
AMHARA OTHER URBAN	114	114	1,824	1,824	100.00
OROMIA OTHER URBAN	138	138	2,208	2,208	100.00
SOMALI OTHER URBAN	48	48	768	768	100.00
BENISHANGUL GUMUZ OTHER URBAN	24	24	384	384	100.00
SNNP OTHER URBAN	78	78	1,248	1,248	100.00
GAMBELLA OTHER URBAN	24	24	384	384	100.00

ANNEX IV

THE 2015/16 WELFARE

MONITORING SURVEY

QUESTIONNAIRE

THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AGENCY
WELFARE MONITORING SURVEY QUESTIONNAIRE 2016

A. AREA IDENTIFICATION

Full Name of Household Head _____

11	12	13	14	15	16	17	18	19	20	21	22
Region	Zone/special Wereda	Wereda	Town (for Rural Code 8)	sub-city/ wereda (For rural code 88)	Kebele	Enumeration Area's (EA) Code	HH sample seleeccion Sr.No.	Hh size (No.of Usual mem bers of the Hh)	Sample Selecion type of the Hh. 1= Regular 2= Reserve	Area of Residence 1= Rural 2= Big/capital city 3= medium town 4=small town	Ecological Zone 1= High land(DEGA) 2= Moderate(WEYNA DEGA) 3= Low land(KOLLA)

B. SURVEY PERIOD AND TIME TAKEN

31.	Serial No of EA						
32.	HH sample seleeccion Sr.No.						
33.	HH's GPS Reading						
	LATITUDE	N					
34.	LONGITUDE	E					
	ALTITUDE						METER

		Date of Conduct						
35	Day			Month		Year		GC
36	Interview Started: Hour						Minute	

C. BRANCH OFFICE-FOR RELIABILITY AND COMPLETENESS

RESPONSIBLE	NAME	SIGN	DATE	CODE
41. ENUMERATOR				
42. SUPERVISOR/ FILED EDITOR				
43. STATISTICIAN				
44. BRANCH OFF.				

D. MAIN OFFICE - FOR RELIABILITY AND COMPLETENESS

RESPONSIBLE	NAME	SIGN	DATE	CODE
51	EDITOR			
52	VERIFIER			
53	DATA ENCODER 1			
54	DATA ENCODER 2			
55	SUPERVISOR			

**CENTRAL STATISTICAL AGENCY
WELFARE MONITORING SURVEY QUESTIONNAIRE 2016
FORM 1 : ECONOMIC AND DEMOGRAPHIC CHARACTERISTICS**

Form -1

AREA IDENTIFICATION

Region	Zone	Wereda	Town	Sub City/wereda	Kebele	EA code	Household Sample Selection Sr.No	Serial No of EA	Serial No of HH	Name of Head of the household

SECTION 1 : ECONOMIC AND DEMOGRAPHIC CHARACTERISTICS (All household members)

1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114
For All House hold Members								From column 1109 - 1114 ask for members aged 10 years and above					
Ser. No	List of household members	Relation to head of household	Sex	Age	Religion	Disability Status		Marital status	was engaged in productive work during the last 7 days for at least 1 hour?	Reason for not working	If code 1 in Column 1110 or in Column 1111		
						has (Name) ----- difficulties?	What Type of difficulties (Name) has?				Employment Status	Sector of Employment	
	Head spouse children not married children married Other relatives Domestic servant Employed guard Non relatives	00= Household Head (HhH) 01= Spouse/Live as a spouse 02= Son/Daughter of Household & Spouse 03= Son/Daughter of Head of Household 04= Son/Daughter of Spouse 05= Mother/Father of Head of Household 06= Mother/Father of Spouse 07= Brother/Sister of Head of Household 08= Brother/Sister of Spouse 09= Grand child of Head of Household & Spouse 10= Grand child of Head of Household 11= Grand child of Spouse 12= Son/Daughter of Brother/Sister of Head of Household 13= Son/Daughter of Brother/Sister of spouse 14= Adopted child 15= Employed Domestic Servant 16= Employed Person to Serve the Household 17= Other Relatives 18= Non - Relatives	1=Male 2=Female	(a) fill 00 if <18 (b) age in months for age <5years (fill 97 if age >= 97)	1= Orthodox 2= Catholic 3= Protestant 4= Islam 5= Waqi-Feta 6= Traditional 7= Has no religion 8= Other	- Seeing difficulties - Hearing difficulties? - Speaking difficulties? - Standing and Moving difficulties - Body mov't difficulties - Mental retarded - Mental problem - leprosy difficulties? - Seeing and Hearing difficulties? - epilepsy difficulties? - Other difficulties related physical/ mental	01= Blindness/both eyes/ 02= Blindness/one eye/ 03= Hearing difficulties /two ears/ 04= Hearing difficulties /partial/ 05= Inability to speak 06= Inability to listening& speaking 07= Inability to listening& hearing 08= Cut off hands/legs 09=Legs /hands paralyzed 10= leprosy disability 11= Mental problem 12= Mental Retardness 13= epilepsy disability 14= Others (Specify)	1= Never married 2= Currently married 3= Divorced 4= Separated 5= Widowed 6= Cohabited	1= Yes 2= No	01= Temporarily absent from work 02= Student 03= Remittance 04= Pensioner 05= Illness 06= Old age 07= Unemployed (inactive) 08= Domestic service 09= Too young to work 10= Others	01= Employer (working employer) 11= Own-Account work (Self Employed) (formal sector) 12= Self Employed (informal sector) 21= Employed - in private enterprise (formal sector) 22= Employed - in private enterprise (informal sector) 31= Employed - in public enterprise 32= Employed - in public service 41= Employed - in Local NGO 42= Employed - in International NGO 43= Employed - in Extra - Territorial Organizations & Embassy 44= Employed - in Religious Institution 51= Employed - in cooperative/unions & Related union 53= Employed - in civic Associations (Profession, gender, age, Edir, Equb . .etc 54= Employed - in political organization 61= Employed - for private Hh/person 62= Participated/employed-in safety-Net program 71= Unpaid family work 72= Unpaid/Free service-in community, based activity (A forestation, Community & development, Social works, etc) 81= Apprentice (un paid) 91= Member of cooperatives 92= Micro-Finance Enterprise 98= Other, nec	What was your main occupation?(If a person was not engaged at work in the last 7 days before that period will be asked) For code see code book for Industry and occupation 01= Legislators, Senior Officials and Managers 02= Professionals 03= Technicians and Associate Professionals 04= Clerks 05= Service workers and Shop & Market sales workers 06= Skilled Agricultural and Fishery Workers 07= Craft and Related Trade Workers 08= Plant and Machine Operators and Assemblers 09= Elementary Occupations 10= Member of Defense/ Policy/forces	main activity of the organization you mainly work for 01= Agriculture, forestry and Hunting 02= Mining and Quarrying 03= Manufacturing 04= Electricity, Gas, steam and air conditioning supply 05= Water supply; sewerage, waste management and remediation activities 06= Construction 07= Wholesale and retail trade;repair of motor vehicles and motorcycles 08= Transportation and storage 09= Accommodation and food service activities 10= Information and communication 11= Financial and insurance activities 12= Real estate activities 13= Professional, scientific and technical activities 14= Administrative and support service activities 15= Public administration and defense; compulsory social secure 16= Education 17= Human health and social work activities 18= Arts, entertainment and recreation 19= Other service activities 20= Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use 21= Activities of extraterritorial organizations and bodies Description

Q2107:- HIGHEST GRADE COMPLETED

Code	A. COMMON TO BOTH CURRICULUM
0	Pre-School, KG, Nursery, peer to peer (Grade 1 not completed)
1	Grade 1 completed (even if can not read or write)
2	Grade 2 completed (even if can not read or write)
3	Grade 3 completed (even if can not read or write)
4	Grade 4 completed (even if can not read or write)
5	Grade 5 completed
6	Grade 6 completed
7	Grade 7 completed
8	Grade 8 completed
Code	B. ACCORDING TO THE FORMER CURRICULUM
9	Grade 9 completed
10	Grade 10 Completed
11	Grade 11 Completed
12	Grade 12 completed (Those who had taken E.S.L.C.E)
13	Certificate: at least one year Training above Grade 12
14	Certificate: Teachers Training Program
15	1 st year course completed from college/University in Diploma or degree Program
16	2 nd Year course completed from college/University in Diploma or degree Program
17	Diploma completed from College/University
18	3 rd Year course completed from college/university in degree program.
19	1 st Degree (BA, BSc, BLL, non-specialized Medical Doctors)... etc.
20	Above 1 st Degree includes: - postgraduate diploma, MA/MSC, PHD, MPhil. ..etc.
Code	C. ACCORDING TO THE CURRENT CURRICULUM
21	Grade 9 completed
22	Grade 10 Completed
23	Grade 11 completed in preparatory program
24	Grade 12 completed in preparatory program
25	Completed Level 1 completed in Technical & Vocational Education Training program
26	Level 2 completed in T.V.E.T program
27	Level 3 completed in T.V.E.T program
28	Level 4 completed in T.V.E.T program
29	Level 5 completed in T.V.E.T program
30	Certificate completed in 10+1 program
31	1st year completed in 10+2 program
32	2nd year /Certificate/completed in 10+2 program
33	1st year completed in 10+3 Diploma program
34	2nd year completed in 10+3 Diploma program
35	Diploma completed in 10+3 Diploma program
36	1st year course completed in College- University 1st Degree /level 4/ program
37	2nd year course completed in College- University 1st Degree /level 4/ program
38	3rd year course & above completed in College- University 1st Degree /level 4/ program
39	Degree /level 4/completed in 1st Degree /level 4/ course program
40	Above 1 st Degree or Above Level 4 at least 1st year completed in post graduate MA, MSC, MLL, PHD Degree
93	Literacy Campaign, can read and write through Literacy campaign program, but never attend Formal Education
94	Adult Education: Can read and write but never attend formal Education.
95	Level 1 completed in Basic alternative Education program: Those who attend level 2 alternative Education at the time of the survey.
96	Level 2 completed in Basic alternative Education program: Those who attend level 3 Basic alternative Education at the time of the survey.
97	Level 3 completed in Basic alternative Education program: Those who attend Grade 5 at the time of the survey.
98	Informal Education: can read & write through church, Qoran, self-effort, etc.

**CENTRAL STATISTICAL AGENCY
WELFARE MONITORING SURVEY QUESTIONNAIRE 2016
FORM 6.1 : FOOD SECURITY INDICATORS**

Form - 6

AREA IDENTIFICATION

Region	Zone	Wereda	Town	Sub City/wereda	Kebele	EA code	Household Sample Selection Sr.No	Serial No of EA	Serial No of HH	Name of Head of the household

Section 6. 1: Food security indicators

6101	6102	6103	6104	6105	6106	6107
Did the household suffer food shortage during the last 12 months? 1=Yes 2=No (go to 6105)	For how many months did this household suffer food shortage during the last 12 months? For less than a month fill " 00" If the answer is " 00" go to 6105	Did you experience unusual food shortage during the last 12 months? (indicate which month) Options Meskerem 01 Tikimit 02 Hidar 03 Tahisase 04 Tir 05 Yekatit 06 Megabit 07 Meyaziya 08 Ginibot 09 Sene 10 Hamile 11 Nehase 12	By order of importance, what problems led to the food shortage? <i>Do not read options, write number in front of the identified cause by order of importance (1=highest)</i> <i>Probe : « Did you experience any other problem ? »</i>	How is the current living standard of the Household with respect of food Compared to last year? 1= much worse now 2= worse now 3= same/no change 4= better now 5= much better now 6= not applicable	How is the current living standard with respect to food Compared to 5 years ago? 1= much worse now 2= worse now 3= same/no change 4= better now 5= much better now 6= not applicable	On average how many meals did the Household eat Yesterday?
			a. crop failure b. Death of other household membe c. Death of a working household member d. Death of the Head of the household e. Serious illness or accident of household member f. Loss or reduced employment for a household member g. Reduced income of a household member h. Unusually high prices for food i. Unusually high level of human disease j. Theft of productive resources k. Relocation of the family l. Cut off of remittances from relatives working abroad m. Floods n. Other			

6108	6109	6110	6111	6112
Line No	How many days over the last 7 days, did member of the household eat the following food item, prepared and/or consumed at home? (Use codes below, write 0 if not consumed in last 7 days) <i>Not for enumerator: Determine whether consumption of fish, milk was only in a small quantity</i>	Number of days eaten in past 7 days <i>if the food type has not been consumed fill "00"</i> <i>if 0 days, do not specify the main source</i>	How was the food acquired? Write the main source of food for the past 7 days 01= Own production (crops, animal) 02= Fishing/Hunting 03= Gathering 04= Loan 05= Market (Purchase with cash) 06= Market (Purchase on credit) 07= Beg for food 08= Exchange labour or item for food 09=gift (food) from family, relatives or friend 10= food aid from civil society, NGOs, government, WFP, etc... 11= Other/ Specified	
	Type of Food			
			First Source	Second Source
0 1	Cereals and grain: Rice, pasta, bread/cake and/ or donuts			
0 2	Roots and tubers: potato, yam, cassava, white sweet potato, taro and/or other tubers			
0 3	Legumes/nuts: beans, cowpeas, peanuts, lentils, nut, soy, pigeon pea and/or other nuts			
0 4	Orange vegetables (vegetables rich in vitamin A): carrot, red pepper, pumpkin, orange sweet potatoes			
0 5	Green leafy vegetable: spinach, broccoli, amaranth and/or other dark green leaves, cassava leaves			
0 6	Other vegetables: onion, tomatoes, cucumber, radishes, green beans, peas, lettuce, etc.			
0 7	Orange fruits (fruits rich in vitamin A): mango, papaya, apricot, peach			
0 8	Other fruits: banana, apple, lemon, tangerine			
0 9	Meat: goat, beef, chicken, pork, blood, (meat in large quantities and not as a condiment)			
1 0	Liver, kidney, heart and/or other organ meats			
1 1	Fish/Shellfish: fish, including canned tuna, escargot, and /or other seafood (fish in large quantities and not as a condiment)			
1 2	Eggs			
1 3	Milk and other dairy products: fresh milk/sour, yogurt, cheese, other dairy products (exclude margarine/butter or small amounts of milk for tea/coffee)			
1 4	Oil/fat/butter: vegetable oil, palm oil, shea butter, margarine, other fats/oil			
1 5	Sugar, or sweet: sugar, honey, jam, cakes, candy, cookies, pastries and other sweet (sugary drinks)			
1 6	Condiments/Spices: tea, coffee/cocoa, salt, garlic, spice, yeast/baking powder, lanwin, tomato/sauce, meat, or fish as a condiment including small amount of milk/tea/coffee.			

**CENTRAL STATISTICAL AGENCY
WELFARE MONITORING SURVEY QUESTIONNAIRE 2016
FORM 6.2 : STATUS OF CROP PRODUCTION**

Form - 6

AREA IDENTIFICATION

Region	Zone	Wereda	Town	Sub City/wereda	Kebele	EA code	Household Sample Selection Sr.No	Serial No of EA	Serial No of HH	Name of Head of the household

Section 6.2: Status of Crop production

6201	6202	6203	6204	6205	6206	6207	6208	6209	6210	6211	6212	6213
did the household produced any crops this year? 1=Yes 2=No (go to 6211)	During this year does the household grow ----crops? 1=Yes 2=No							For how many months do you think your current year cereals and pulses production lasts in feeding the household? If less than a month fill "00"	For how many months do you think your current year crop production lasts in feeding the hh or buying other food items by selling the crops?	Does the household own livestock? 1=Yes 2=No (go to 6301)	During the last 12 months, did the household face problem of water shortage for the livestock? 1=Yes 2=No (go to 6301)	How was the problem of water faced last year compared with 5 years ago? 1= worst 2= worse 3= same / no change 4= better 5= best 6= not Applicable
	Cereals	Pulses	Oil seeds	Vegetables and roots (Potatoes and Sweet Potatoes)	Fruits	Spices and pepper	Other cash crops (coffee, , chat, buck thorn leaves, sugar cane, cotton ,.Etc.)					

Section 6.3: Source of income

6301	6302	6303	6304	6305	6306
Is the household capable to raising 300Birr within a week time in case of emergency? 1=Yes 2=No (go to 6303)	If yes in question . 6301 How would the household obtain the 300 Birr? List the 1st and 2nd main sources 01= sale of animal and animal product 02= sale of crops 03= sale of forest products 04= own cash 05= Bank/ saving 06= Equib 07= Edir 08= Loan from bank or other institutions 09= Loan from relatives 10= Gifts from relatives 11= Loan from non- relatives 12= Gifts from non- relatives 13= sale of household assets 14= sale of personal item (Jewelries, etc.) 15= Other (specified)	What is the main source of income of this household? 11= Salary 12= Casual labour/Daily laborer 21= Crop production (Temporary & permanent crops including (Floriculture, Sugarcane, Cotton, etc) 22=Livestock (including Poultry and Bee) 23= Crop and Livestock (at comparable level) 31= Manufacturing, Construction, Mining & Quarry Industry Formal Sector 32= Manufacturing, Construction, Mining & Quarry Industry Informal Sector 41= Whole sale & Retail Trade - Formal Sector 42= Whole sale & Retail Trade - Informal Sector 51= Service Trade - Formal Sector 52= Service Trade - Informal Sector 61= Renting of House, Land plot, Equipment, Machinery, Storage and Drought animals 62=Ranting of working Materials 63=Ranting of Animals/ Cars 71= Social Security (Pension, Provident fund,...etc) 72=Donation from Government 73=Donation from NGOs 74= Remittance- Regularly received from relatives, family, friends and individual (local) 75= Remittance- Regularly received from relatives, family, friends and individual (abroad) 81= Begging (Alimony) 82= Prostitution 91= Other (not else classified)	How is the current living standard of the Household with respect to clothing compared to? 1= worst now 2= worse now 3= same / no change 4= better now 5= best now 6= not applicable	How is the current overall living standard of the Household compared to? 1= worst now 2= worse now 3= same / no change 4= better now 5= best now 6= not applicable	How is the current over all living standard of your community compared with? 1= worst now 2= worse now 3= same / no change 4= better now 5= best now 6= not applicable
	1 st Source	2 nd Source	12 months ago 5 years ago	12 months ago 5 years ago	12 months ago 5 years ago

**CENTRAL STATISTICAL AGENCY
WELFARE MONITORING SURVEY QUESTIONNAIRE 2016
FORM 6.4 - 6.5 Coping Strategy**

Form - 6.3

SECTION 1 : AREA IDENTIFICATION

Zone	Wereda	Town	Sub City/wereda	Kebele	EA code	Household Sample Selection Sr.No	Serial No of EA	Serial No of HH	Name of Head of the household

SECTION 6.4 - 6.5 Coping Strategy

6.4 Food Based Coping Strategies		
6401	6402	6403
S/N	In the past 7 days prior to the date of interview, how many times (in days) has your household used the following coping strategies to overcome the shortage of food or lack of enough money to buy food?	
0	1 Relied on less preferred, less expensive food	
0	2 Borrowed food, or relied on help from a friends or relatives	
0	3 Limited portion size of meals	
0	4 Restrict consumption by adults in order for small children to eat	
0	5 Reduce number of meals eaten in a day	

If the household is not face with shortage of food, fill code 8 from 01 - o5

6.5 Livelihood Based Coping Strategies		
6501	6502	6503
S/N	During the past 30 days prior to the date of interview, did anyone in your household engage/do any one of the following things/activities because there was not enough food or money to buy food? 1. Yes 2. No, because I did not need or face food shortage 3. No, because I already used the strategy in the past months of the year so could not continue to use in past 30 days 4. No, because the strategy does not apply for my household or Not Applicable (NA)	
0	1 Selling household goods/assets (radio, television, furniture, refrigerator, jewelry, etc.) to be able to buy food	
0	2 Selling higher number of livestock than usual to generate cash to be able to buy food	
0	3 Selling productive assets other than livestock (farm tools, generating, etc.) wheelbarrow, cart, sewing machine, bicycle using for income	
0	4 Selling or leasing land for getting money to buy food	
0	5 Slaughtered more animals/livestock than normal for eating	
0	6 Selling breeding and/or transport animals to be able to buy food	
0	7 Consumed seed stocks that were to be used/saved for next season	
0	8 Reduce essential non-food expenditures such as education, health, etc.	
0	9 Reduce expenditure on livestock and agricultural inputs to buy food instead	
1	0 Borrow money or food from a formal lender/banker	
1	1 Withdrew children form school	
1	2 Unusual labor migration (sent an adult member of household sought work elsewhere)	
1	3 Begging or other demeaning income earning activities	
1	4 Send children away to better-off friends or relatives	
1	5 Unusual sale of charcoal or firewood or grass	
1	6 Selling bicycle or motorcycle using for transport	
1	7 Other (specify):	

**CENTRAL STATISTICAL AGENCY
WELFARE MONITORING SURVEY QUESTIONNAIRE 2016
Form 8.4: HOUSE AND LAND OWNERSHIP STATUS AND OTHER FIXED ASSETS**

Form - 8 (Continued)

AREA IDENTIFICATION

Region	Zone	Wereda	Town	Sub City/wereda	Kebele	EA code	Household Sample Selection Sr.No	Serial No of EA	Serial No of HH	Name of Head of the household

Section 8. 4: Other fixed assets owned by the household

8401	8402	8403	8404	8405	8406	8407
Line No.	Type of assets	Does the household currently own the asset listed in Qn.8402? 1=Yes 2=No (Go to 8406)	How many does the household own?	If the household want to sell the () what would be the current estimated value of the asset?	How does the amount currently owned compared with 12 months Ago? 1= Increased much 2= Increased a little 3= Same as before 4= Decrease a little 5= Decrease much 6= Not Applicable	How does the amount currently owned compared with 5 years Ago? 1= Increased much 2= Increased a little 3= Same as before 4= Decrease a little 5= Decrease much 6= Not Applicable
0 1	Cattle-Indegenous (Except farm animals)					
0 2	Cattle-Exotic/hybrid (Except farm animals)					
0 3	Farm animals					
0 4	Transport animals (Horse, Camel...)					
0 5	Other draught animals (Except farm animals)					
0 6	Sheep and goat					
0 7	Chickens					
0 8	Beehives-traditional					
0 9	Beehives-partially modern					
1 0	Beehives-modern					
1 1	"Mofer and Kember"					
1 2	Sickle (Machid)					
1 3	Axe (Gejera)					
1 4	Pick axe (Geso)					
1 5	Plough (traditional)					
1 6	Plough (modern)					
1 7	Water pump					
1 8	Kerosene stove					
1 9	Butane Gas stove					
2 0	Electric stove					
2 1	Blanket/Gabi					
2 2	Mattress and/or Bed					
2 3	Wrist watch/clock					
2 4	Iron (coal)					
2 5	Electric Iron					
2 6	Fixed line telephone					
2 7	Telephone-wireless					
2 8	Mobile Telephone					
2 9	Radio/Radio and tape/tape					
3 0	Television					
3 1	Video Deck					
3 2	VCD/DVD					
3 3	Dish					
3 4	Sofa set					
3 5	Chair and table (excluding stool and bench)					
3 6	Bicycle					
3 7	Motor cycle					
3 8	Cart (Hand pushed)					
3 9	Cart (animal drawn)- for transporting people and goods					
4 0	Sewing machine					
4 1	Weaving equipment					
4 2	Builder's equipment					
4 3	Carpenter's equipment					
4 4	Welding equipment					
4 5	Wood cutting equipment					
4 6	Block production equipment					
4 7	Mitad-Electric					
4 8	Mitad-power saving (modern)					
4 9	Refrigerator					
5 0	Private car					
5 1	Car-Commercial					
5 2	Bajaj					
5 3	Jewels (Gold and silver)					
5 4	Wardrobe					
5 5	Shelf for storing goods					
5 6	Biogas stove (pit)					
5 7	Water storage pit					
5 8	Chat plant (No. Planted)					
5 9	Coffee plant (No. planted)					
6 0	Other permanent crops (No. Planted)					
6 1	Forest (Eucalyptus..., e.t.c)(No. planted)					

**CENTRAL STATISTICAL AGENCY
WELFARE MONITORING SURVEY QUESTIONNAIRE 2016
FORM 9 : HARMFUL TRADITIONAL PRACTICES**

FORM 9

AREA IDENTIFICATION

Region	Zone	Wereda	Town	Sub City/wereda	Kebele	EA code	Household Sample Selection Sr.No	Serial No of EA	Serial No of HH	Name of Head of the household

SECTION 9 : Harmful Traditional Practices (for household members aged 0-14)

9101	9102	9103	9104	9105	9106	9107	9108	9109	9110	9111	
		For household members aged 0-14					For household members aged less than 2 years				
	Copy list of household members from FORM1 question 1101 whose line number were filled and copy names from question 1102	Is (Name) circumcised? <input type="checkbox"/>	At what age (Name) is circumcised?	Who circumcised (Name)?	Is (Name) cut his/her Uvula?	At what age (NAME) was the uvula cut?	Who cut the uvula?	Is (Name) become sick of bad childhood tooth?	Is the tooth rooted out?	Who rooted out the tooth?	
		1= yes 2= No <input type="checkbox"/> 3= Don't know } Go to 9106	If under one year fill '00'	1= Health worker 2= Untrained local physician 3= Traditional doctors 4= Other	1=yes 2=No 3=Don't know } Go to 9109	If under one year fill '00'	1= Health worker 2= Untrained local physician 3= Traditional doctors 4= Other	1= yes 2= No (end) 3= Don't know (end)	1= yes 2= No (end)	1= Health worker 2= Untrained local physician 3= Traditional doctors 4= Other	

CENTRAL STATISTICAL AGENCY
WELFARE MONITORING SURVEY QUESTIONNAIRE 2016
FORM 10 : STATUS OF THE SURVEY

10101	result of the survey		
Question 10101 result of the survey			
11=	Completed according to the programme		
12=	Completed with one call back		
13=	Completed with two call back		
21=	Completed with three or more call back		
22=	Completed with the effort of supervisor/co-ordinator		
23=	Completed with the effort of kebele or others		
31=	Not started because of the household left the place		
32=	Not completed because the household left the place		
41=	Not started because of no adult found to be interviewed		
42=	Not completed because of no adult found to be interviewed		
51=	Not started because the household encountered unexpected accident/family problem		
52=	Not completed because the household encountered unexpected accident/family problem		
61=	Not started because the household was unwilling		
62=	Not completed because the household was unwilling		

10102	Interview Ended:	Hour			Minute		
10103	Duration of the interview	Hour			Minute		