



FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

WATER DEVELOPMENT COMMISSION

Draft Report on National WaSH Inventory-II & MIS

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Executive Summary

The first ever National WaSH Inventory (NWI-1) was conducted 8 years ago in 2011 during GTP-I period. Although it was planned to update the inventory annually through incorporation of new water supply schemes and performance status of the existing ones, it was not implemented. Thus, conducting the second National WaSH Inventory (NWI-2) after 8 years of the first one has become a necessity.

With this NWI-2, a change has been made by reducing some of the scopes included in NWI-1. The scope of NWI-2 is limited to data collection for community water supply schemes on physical status, beneficiaries at schemes level as per the GTP-II standards, service performance and management status of the schemes.

The inventory has been conducted in late 2018 to early 2019 covering all regions except some woredas and zones which were covered partially due to reasons beyond the scope. Differing from the NWI-1, this inventory is conducted using mobile based technology and IT based Information Management System for data collection, transfer, storage, and analysis while NWI-1 was conducted on manual basis.

Significantly massive data have been collected through NWI-2 which can be used as input to estimate the various key performance indicators of the sub-sector. But in this report, only water supply access coverage as per GTP-II standard and rural water supply schemes non-functionality rate from national down to woreda levels are presented. The water supply access coverage is disaggregated into rural, urban and total by settlement type. Beneficiaries are categorized by service level as people using from on spot schemes, people using from public tap, people using from yard & house connections. The latter can serve as spring board towards the service level set in the SDG.

Accordingly, the water supply coverage for 2018(end of 2010EFY) at national level as per GTP-II standard is generated by the MIS as 47%, 57%, and 49 %, for rural, urban and total respectively as their orders. With Paper based report, national level water supply access coverage disregarding the stringent criteria set in GTP-II was found as 75% for rural, 64% for urban and 73% for total.

Similarly, water supply coverage with the MIS is computed at regions, zones, woredas and urban utilities level for towns designated as woreda/zone administration and presented in this report. In those regions with woredas and towns not covered by the inventory, water supply coverages for respective zones, regions and also at national level are computed excluding corresponding population from the denominators in order to avoid unnecessary underrating. Hence, indicated herein total population in these zones, regions and national level in this report is less than that of CSA (Nationally less than by nearly 4%).

Regarding rural water supply schemes non-functionality rate, from the total inventoried 155,482 rural water supply schemes 29,204 (19%) were not functional at the time of inventory for various reasons. From these total non-functional schemes, 27,476 are on-spot schemes indicating that about 17.9% of the non-functionality is due to on-spot water supply schemes and 1.1% (1,728 in number) due to

sources of rural piped water supply systems. When non functionality is compared on like to like basis, it is 19.4% for on spot schemes while non functionality for RPS sources is 13.8%.

About 88% of non- functionality is indicated due to 5 main reasons namely 52.1% due to spare parts problem, 15.6% due to water source drying up, 7.8% due to water quality problem, 6.6% due to technical staff scarcity and 6.1% due to pump failure while the remaining 12% accounts for other reasons like lack of funds, fuel and others. The clear message is that lack of spare parts supply is the single most important cause for non functionality. If the problem of spare parts is solved at least by 50%, the non functionality rate could drop from current state of 19% to 14%.

Out of the total inventoried rural water supply schemes, about 60 %(93,250 in number) are from ground water sources (in the type of Hand dug wells, shallow wells and Boreholes).The inventory has also shown that from available 12,277 rural piped systems, 19% uses diesel driven generators for water lifting, 65% gravity, 3% & 2% uses grid and solar system respectively as their orders and the remaining 11% uses mixed energy from two or more energy sources.

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1. Introduction

Provision of drinking water supply for citizens is still a challenge both for the international community in general and that for Ethiopia in particular. In this regard, the Ethiopian Government in collaboration with the Development Partners is exerting significant effort to improve the situation. Accordingly, in the last 2 consecutive 5 years national planning period, i.e. GTP-I and GTP-II, significant improvement has been achieved in the sector including meeting the MDG target.

Significant numbers of water supply infrastructure have been implemented during the last decades serving several million people. However, as the information management of the sector is still weak, it has been proved difficult to get continuous data on the schemes' service status and the progress achieved on water supply service provision.

Accordingly, the first National WaSH Inventory (NWI-I) was conducted in year 2011. That time, inventory included water supply and sanitation facilities and WaSH service status at community, health institutions and schools and household levels. As per the 2011 inventory, the water supply access coverage was estimated based on the GTP-I service level, which is 15 l/c/day within 1.5 km radius for rural and uniformly 20 l/c/day within 0.5 km for urban. Besides, the inventory in Somali region was lately conducted and then the estimated national level water supply access coverage didn't include the coverage in the Somali region.

The second National WaSH Inventory (NWI-2) has been conducted in 2018/2019 after 8 years of the first inventory. However, this inventory differs from the first one as it focuses only on water supply at community level and data is collected at scheme level. Data on sanitation services, institutional WaSH, and household level is not included in this inventory (NWI2). The data collection, transfer, storage, and analysis are also done using mobile data collection technology and IT based Information Management System while the first inventory was conducted on manual basis.

This report presents the result of NWI-2 as analyzed by the MIS. It contains executive summary, introduction, the objective, the scope, the data collection methodology, pre-inventory preparatory works, the data collection, the post-inventory works, limitation of the inventory and results of the analysis at national, regional, zonal, woreda and town levels. The MIS has analyzed & generated 13 KPIs. In this report, 3 key performance indicators, i.e. water supply access coverage for both rural and urban settings and rural water supply schemes non-functionality rate are presented at all administrative levels while for the remaining 9 KPIs only aggregated summary at regional & national level is presented. The water supply access coverage is also disaggregated into rural, urban and total by settlement category. Other supplementary results like reasons for non functionality, contribution of ground water in the so far water supply service provision, and source of energy for rural water supply are deliberately captured to serve as inputs to set strategic actions.

2. Objective of the Inventory

The objective of the inventory is to collect data on the water supply schemes service provision and management status and the number of beneficiaries of each scheme as per the GTP-2 standard in order to generate information and use it for improving the service level with due emphasis and priority for disadvantaged areas with low water supply coverage.

Moreover, the objective also includes using the inventory result as a base for annual updating of the information through national level information management system which is planned to be developed side by side with the inventory.

3. Scope of the Inventory

The scope of the inventory is limited to community water supplies including on-spot schemes and piped systems both for rural and urban setting and the data collection includes information on the following among others:

- Physical and service status of the schemes
- Inclusiveness of the infrastructure
- Management status of the schemes
- Status of women empowerment in scheme management
- People with access to water supply with different mode of service as per GTP-2 standard

4. Methodology

4.1. General

Water Development commission has been doing its utmost to modernize the way of WaSH service provision. With assistance of DFID, an international consultancy firm was employed to assist the inventory in data collection, transfer, storage and analysis through development of mobile based data collection tool and management information system. The aim was to establish sector wide WaSH information management system in consideration of regular updating with annual inventory. The consultancy assistance also includes training of trainers on the data collection tool and the information management system. Moreover, the consultant was also responsible to carry out data clearing and data verification before conducting analysis. In brief, tasks involved in the inventory process can be summarized in 3 three categories i.e. Pre-inventory or preparatory works, inventory implementation and post inventory works as follows.

4.2. Pre-inventory Preparatory Works

The consultant employed to assist the national inventory developed mobile based data collection tool based on Cosmos application software. The Ministry developed key performance indicators for the sub-sector for which data would be collected through the inventory. Accordingly, selected key

performance indicators focusing on scheme functionality, service, and management status have been developed.

Based on this, data collection tool was developed and configured on 3,924 rugged tablets procured with financial support from AfDB. The same number of SIM Cards were purchased and installed on each tablet to carry out the inventory. The rugged tablets are configured with automated features capable to tag geolocation data of schemes right at photographing. As mentioned elsewhere above, training is conducted on the operation of the tablets and use of the data collection questionnaires for national, regional and woreda level staffs and local data collectors. Accordingly, overall about 3,935 staffs are trained of which 150 Training of Trainers (TOT) drawn from national, all regions and zones in large regions, 430 zonal supervisors and 3,379 enumerators at Woreda levels.

Pilot data collection practices have been carried out with theoretical sessions during the training to pin point challenges that could face during the data collection both from the tablet, the application software and the data collection template and the gap on the training.

Moreover, initially the inventory was carried out in Harari National Regional State and Direedawa City Administration in order to test the inventory again within relatively less geographical area and population. Based on the findings of the pilot inventory in these areas the data collection procedure was again revisited before starting the overall national inventory. Moreover, inventory training manuals for trainers and handy inventory guideline were developed for the data collectors and disbursed to regions, zones and Woredas.

The national inventory was coordinated by inventory task force established at the national, regional, zonal and Woreda levels.

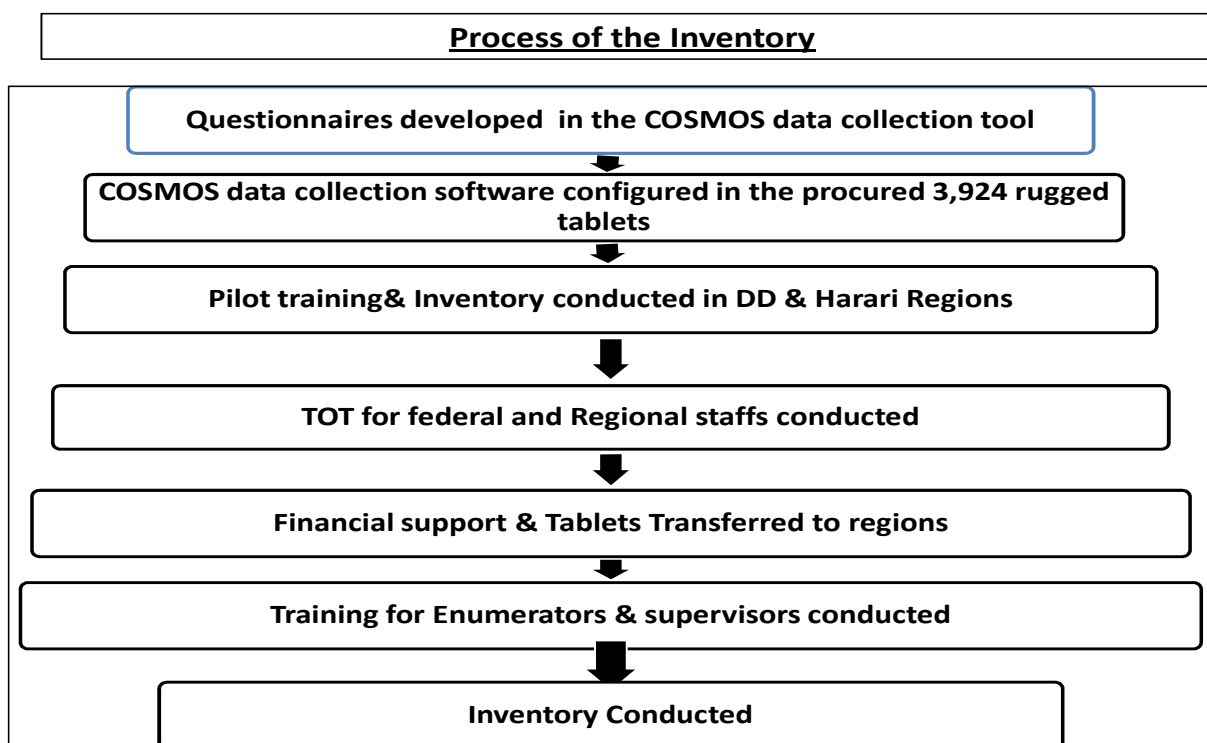
4.3. Inventory Implementation

The inventory was carried out from late December 2018 to early of March 2019 for 3 months. It is conducted in all regions except in some woredas, towns and zones of Oromiya, Amhara and SNNP regions. However, as the populations in these not inventoried areas are relatively small compared to the total population of the country, its effect on the national level key performance indicators values is minimal, though the impact at local level may be significant.

In the process 3,379 data enumerators each with one tablet were directly involved. The inventory was coordinated by the inventory task force nominated at each level and supervised by zonal supervisors. Problems faced during the inventory were solved through communication among the taskforce members at all levels and the data collectors. Since the data collection application software is configured with data tracking features, the data collector was under permanent surveillances from the task force at national and regional levels which helped for emergency response and on-line assistance.

In parallel with the inventory, rough order data clearance and verification was being carried out by the national and regional level task force members on the collected data and made online accessible by the consultant in excel –format

Moreover, based on the reviewed outputs of the data collected, the national and regional taskforce members frequently visited data collection sites to clarify issues and correct it at site. Hereunder is the summary of the inventory process.



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4.4. Post-inventory Works

Prior to proceeding to KPI analysis, verification of the raw data like, removal for bugs, conversion of coded decimal digits in to original true data values and then changing from flat excel format in to the normalized excel format was mandatory post inventory work.

Accordingly, wrongly recorded and replaced inventories were collected from regional task forces and sent to the Consultant for removal. Then data values recorded with decimal number due to the unnecessary upper limit restriction were converted to their true values. Finally, the cleaned data in flat excel format was converted in to normalized excel format in a way to ease the disaggregation and analysis process for computation of KPI values.

In addition, the identified data gaps to carry out computation of the key performance indicators such as projected population for each woreda, town, zones and regions for the inventory year (which is 2018 or

2010 Ethiopian physical year) and for structures existed right during the inventory have been collected from regions and sent to the consultant for the analysis using the MIS developed for this purpose.

Up on having these required inputs, computation of KPI values for water supply access coverage and rural water supply schemes non-functionality rate and others KPI values was carried out using the MIS. However, gaps have been observed specifically on matching names of woredas and towns from MIS data base with that from CSA's list and this has resulted population dependent KPIs values not to be computed for those woredas and towns. Repetitive of woreda names due to variation in writing styles like spacing, upper vs. lower case lettering, double vs. single lettering, mix up of woredas and towns across regions and even coming up with very old woreda and town names which are not in both lists configured in the COSMOS inventory tool and CSA's list were identified as major hurdles for MIS to compute KPI values in those woredas and towns.

To resolve such issues, Communication plat forms like 3 way video conferences and Skype talks were made. List of Woredas and towns as they appeared in the MIS were received from the MIS data base and sent back after filling respective population data in a way to suit the MIS's requirement. Nonetheless, the challenge remained unresolved.

Hence, the Water Development Commission had established a taskforce from in-house staffs to manually produce analytic reports with aim to serve as yard stick for verification on of reported results by the MIS on e one hand and to further investigate quality of the inventory data on the other hand.

The task force produced analytic reports using the inventory data received right from COSMOS cloud server in normalized excel format in a more meaningful and usable way.. This manually produced report was found very important & useful the fact that it has enabled to sort-out woredas and towns with excessively exaggerated and undermined water supply coverage on the one hand (which is entrenched from wrongly recorded beneficiaries) and to serve as yardstick for comparison with the MIS results on the other hand.

Thereafter, the identified woredas and towns with unreasonably exaggerated water supply coverage were sent to respective regions along with the inventory raw data for the onsite cross-check and verification. Some regions like Afar have done an overhaul work to the extent similar to reinventory. Others did verification comparing recorded beneficiary numbers with GTP-II standard set for each scheme types, schemes existed by end of year 2010 EFY, from their archive and other possible means.

The verification process has taken almost 2 months, varying from region to region. Concurrently, the mismatch issue with woredas and towns names driven from variation in CSA's list and administrative naming was resolved in close consultation and onsite support with the MIS consultant. This has removed challenges on migrating population data from the CSA data base to the MIS server for respective woredas, towns and zones.

Up on resolving issues with variation in naming, the MIS has generated KPI values identical with manually computed values. Finally, the input data was refreshed with verification results and MIS generated final KPI values.

There was no any variation from beginning on values computed manually and generated by the MIS for results which do not require population data like number & types of schemes, functionality rate, number of beneficiaries per mode of services etc.

4.5. Limitations of the Inventory

Limitation of the NWI2 can be viewed from both technology and management aspects.

Technology aspect

It is true that the NWI-2 inventory has significant improvement compared to the first manual based national WaSH inventory (NWI-1) in that its automated geolocation tagging right at photographing completely removes human errors that could occur while reading from hand GPS and also transferring all recorded data by data encoders from paper based in to the system. It has also an exceeding advantage on avoiding a heavy and costly work inherent with paper based inventory that involves duplication and transportation of tremendously huge number of paper based templates and again moving back the filled templates to the regions for data encoding. But it has also limitations. The major limitations include among others:

- Relative complexity to understand the operation of the data collection devices and data collection templates by woreda staffs with modest professional qualification,
- Automated file naming by the software denied enumerators to control their work (identify what is what, and on which survey they are doing).
- Restriction of maximum values of some data by the application software was another constraint
- Short live of battery powers and limited electric power coverage in the country side to recharge batteries,
- Enumerators and supervisor are denied to visualize, check and edit recorded data once survey is ended.
- Both selective synchronization and removal not possible at all. Hence enumerators tend to hide their errors for fear of reworking the whole day recording be it bad or good.

Management aspect

Implementation of such national inventory is a big task and requires commitment and genuine ownership at all levels. This is so because the final output is decided by how good or bad is the input, which on its turn strongly depends on how rigorously the campaign is sensitized and owned at all levels, specifically at grass root levels.

Though the project for this NWI-2 has spanned over three years' time, it was constrained with many problems. Procurement of tablets was possible after repetitive tendering and many hurdles. The disagreement between the led and associate consultant which was finally ended by separation was another constraint. The combined effect of all these challenges has jeopardized the attention to be paid on

preparation works like promotion, awareness creation and sensitization campaign which was carried out at both late and rush time. Listed hereunder are added challenges.

- Absence of dedicated coordination office for both the Inventory and the MIS due to which the whole work was left to consultants who are not familiarized to both local condition and the sector specialty as a whole.
- Security problem to carry out the data collection in all regions at the same time within the data collection schedule,
- Less follow-up of the inventory task in some regions,
- Number of regions has restructured woredas and zones after the CSA census of 2007 and this was big challenge to get the population data for the inventory year as of the new administrative structure. This became major problem particularly for Somali region with almost complete restructured to estimate the coverage at woreda and zone levels.

In spite of the above limitations, the inventory was carried out covering about 96% of the whole country (population wise: 74 million vs. 76 million or 97% in rural, 18 million vs. 20 million or nearly 91% in urban and 92.6 million vs. 96.5 million or 96% in total), where majority of the not inventoried population belongs to Oromiya region, though all have from negligible to modest numbers. Hence it can avail important information for the sub-sector which serves for short, medium and long term strategic planning to improve the water supply access and efficiency of service performance. Besides, the inventory can potentially avail important inputs which could serve as springboard towards SDG.

5. Inventory Results generated by the MIS

5.1. General

The inventory is conducted all over the country. However there are some woredas in Amhara, Oromia, SNNP regions and even Zone in the case of oromiya which were not covered by the NWI2 due to reasons beyond scope. Nonetheless, the NWI2 has covered 97% of the rural settlement, 91% of the urban settlement and 96 % in total. Overall, about 155, 482 rural water supply schemes were covered by the inventory while in the urban setting; urban water supply systems in all woredas and urban utilities are covered except some for the aforementioned same reason. Among the abovementioned rural water supply schemes, nearly 92% are on-spot schemes and 8% rural piped systems. Quantitatively, over 75% of the total inventoried rural water supply schemes account for two regions, namely 43.97% in Amhara and 31.76% in Oromia regions where as SNNPR and Tigray regions together account for 20.45% (11.85% and 8.6% respectively as their orders).

The region wide and numerical distribution and percentage of the inventoried rural water supply schemes is Summarized hereunder.

Table 1.Regional distribution of rural water supply schemes

No.	Region/ Zone/ woreda	Total Number of Schemes Available	% from Total
1	Benishangul Gumuz	3,052	1.96%
2	Oromiya	49,430	31.76%
3	Somali	949	0.61%
4	Amhara	68,583	43.97%
5	SNNP	18,170	11.85%
6	Tigray	13,329	8.60%
7	Gambella	1,029	0.66%
8	Afar	577	0.37%
9	Harari	253	0.16%
10	Diredawa	103	0.07%
	National	155,482	100%

The total inventoried water supply schemes in the 2011 national inventory were about 92,000. This means, the number of rural water supply schemes inventoried this time is by 69% more than the first inventory which implies about 7,940 schemes being added annually (during the last 8 years) .

5.2. Water Supply Coverage

Once beneficiaries served with different mode of services (people being served with: - on spot, public taps, Yard & house connection) are identified, the MIS enables computation of water supply coverage at different administrative hierarchy. While computation of water supply coverage at woredas and towns level is direct forward and pretty easy, water supply coverage at higher levels (National, Regional & Zonal levels) requires computation in 3 ways, namely

- (a) Total number of aggregated beneficiaries vs. CSA's rural or population at respective national or Regional level
- (b)) Total number of aggregated beneficiaries vs. CSA's rural or urban population summed up the zones column
- (c) Total number of aggregated beneficiaries' vs. CSA's rural or urban population summed up the woredas column.

Water supply coverages computed in the first two methods are a bit undermined for those regions with woredas and towns not covered by the inventory due to reasons mentioned earlier(particularly for Oromiya region which accounts about 70% of the about 4.3 million people in not inventoried areas where the remaining balance belongs to Somali ,Amhara & other regions). But the third method computes the most likely average value because CSA populations of woredas, towns and zones not covered by the inventory are excluded from the denominators. In the perfect world, i.e. if all woredas and towns were covered by the inventory, the three computation methods could come up with essentially identical KPI values. In this way, the water supply coverage is computed for rural, urban & total and respective results presented here under

at all levels as per the GTP-II standard. Furthermore, beneficiaries in both cases are categorized by mode of services in a way to tailor and serve as spring board towards the SDG.

5.2.1. Water Supply Coverage at National Level

As depicted in Table 2 below, the total water supply coverage is generated as 49%. Furthermore, out of 45,345,759 total served populations, 54% are being served with on-spot schemes, 25% with public taps, and 21% with yard and household connections (fig 2).

When disaggregated with settlement category, rural and urban water supply access coverages are 47%, and 57% respectively as their orders. Population wise 34,867,521 or 77% of the total served population belongs to rural settlement while the balance 10,478,238 or 23% is on urban settlement.

Major portion of the served population with on the spot schemes on rural setting and with yard & house connections on urban setting reflects the reality but generally large number of served population inventoried on the on spot and public tap mode of service implies long way towards the SDG.

Table 2. water supply access coverage at national level

Sr. No.	Service Level	Served population	Proportion from total served (%)
1	Rural		
1.1	People served with on spot schemes	24,326,945	70%
1.2	People served with public taps	9,239,450	26%
1.3	People served with yard & house connections	1,301,126	4%
1.4	Total served	34,867,521	100%
1.5	Total Rural population excluding woredas not covered by The NWI2	74,329,512	
1.6	National level Rural water supply coverage	47%	
2	Urban		
2.1	People served with on spot schemes	378,228	4%
2.2	People served with public taps	1,908,114	18%
2.3	People served with yard & house connections	8,191,696	78%
2.4	Total served	10,478,238	100%
2.5	Total Urban population exclaiming towns not covered by The NWI2	18,317,514	
2.6	National level Rural water supply coverage	57%	
3	Total (Rural + Urban)		
3.1	People served with on spot schemes	24,705,173	54%
3.2	People served with public taps	11,147,564	25%
3.3	People served with yard & house connections	9,492,822	21%
3.4	Total served(Rural +Urban)	45,345,759	100%

3.5	Total population excluding woredas & towns not covered by The NWI2	92,647,026
3.6	Total Water supply Coverage	49%

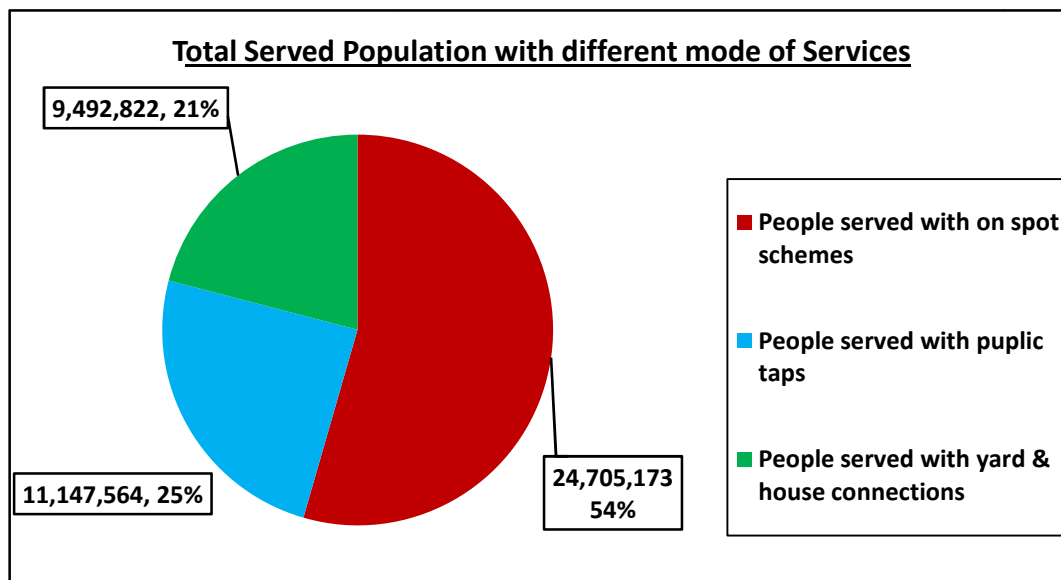


Figure 1 National level total Served population by mode of service

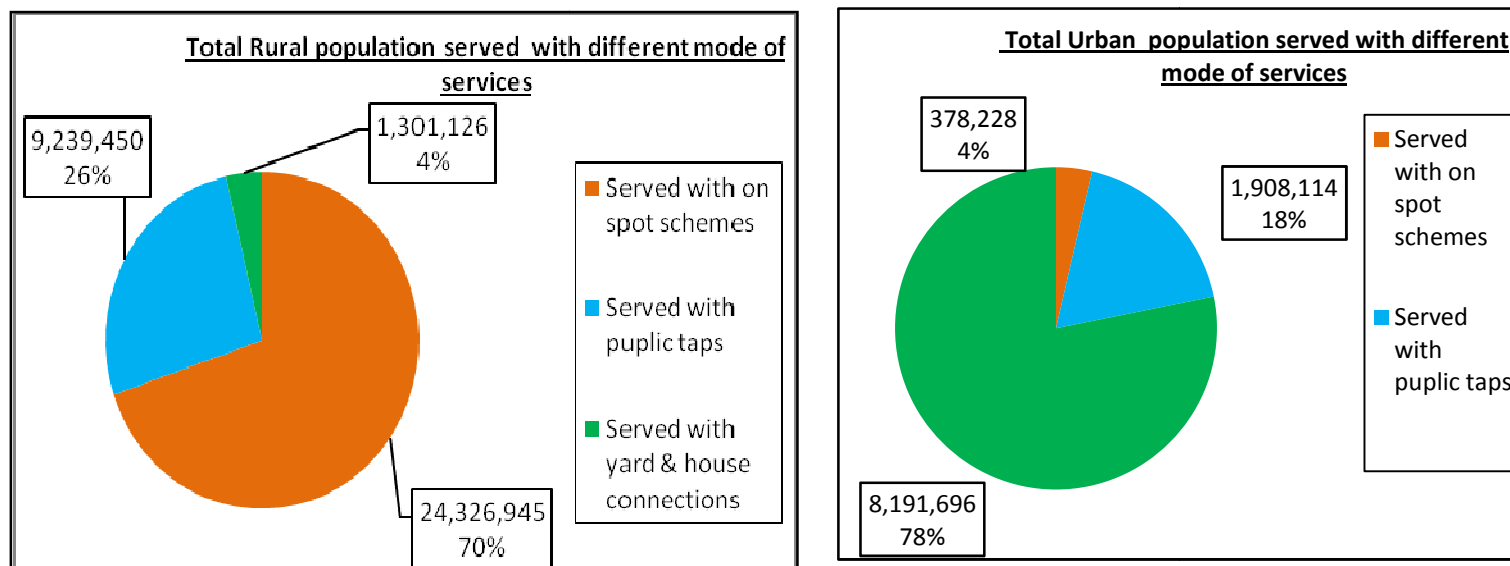


Figure 2 Total served Rural & Urban population by mode of services

5.2.2. Water Supply Coverage at Region Level

The water supply access coverage of each region both for rural, urban and total is analyzed and narrated here under.

5.2.2.1. Rural water Supply Coverage

Regional level rural water supply coverage is depicted in Table 3 and Figure 4 below where Regions variation from the National average is shown in figure4 as well.

In general, , Harari, Gambella, Benishangul Gumuz, Diredawa city administration ,Amhara and Tigray Regions have rural water supply access coverage above the national average while Somali, Afar, and SNNP regions have below the national average. Rural water supply coverage for Oromia region is closer to the National average but a bit higher. The difference between the maximum and minimum regional rural water supply coverage is 69%, indicating a significant variation between the 2 extremes (Harari and Somali Regions).

Although the overall national level rural water supply access coverage is relatively low, the inventory indicated extremely low rural water supply coverage for Somali region followed by SNNP and Afar regions. Exceptionally high coverage is recorded for Harari region.

Table 3.Rural water supply access Coverage by service levels for Region.

Admin	on spot users	Public tap users	Yard and House connection users	Rural population excluding woreda not covered by NWI2	Rural water supply coverage
National	24,326,945	9,239,450	1,301,126	74,329,512	47
Afar	82,715	494,967	9,614	1,527,219	38
Amhara	8,522,435	1,246,748	290,938	17,616,696	57
Benshangul-Gumaz	476,540	39,594	3,569	852,002	61
Dire Dawa	7,679	100,055	2,863	176,000	63
Gambela Peoples	192,854	7,121	1,261	289,596	69
Harari People	30,562	69,710	0	109,000	92
Oromia	9,623,277	3,754,551	498,516	28,973,673	48
Somali	474,994	355,778	33,480	3,791,136	23
SNNPR	3,104,789	2,780,824	434,088	17,066,852	37
Tigray	1,811,100	390,102	26,797	3,927,338	57

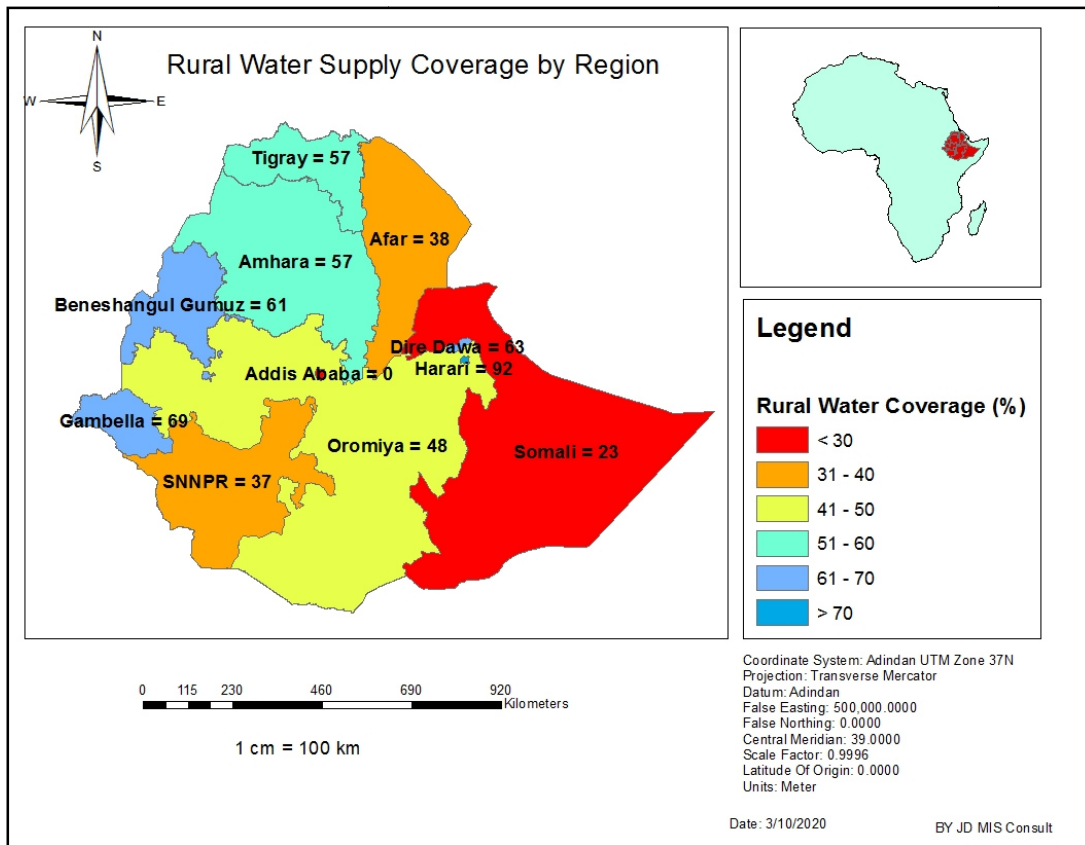


Figure 3 Rural water supply coverage by Regions

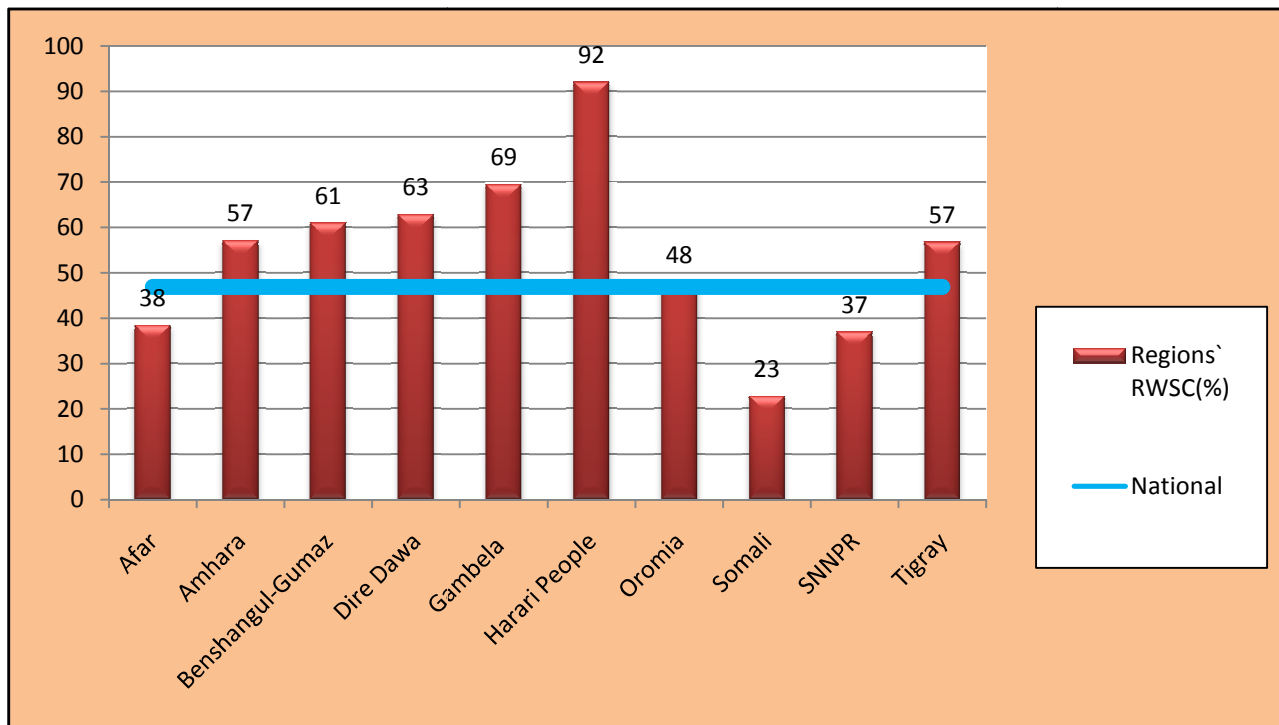


Figure 4 Variation of regions Ruralwater supply coverage from national average

5.2.2.2. Urban water Supply Coverage

As depicted in Table 4 and Figure 6&7 below, the regional level urban water supply coverage for Amhara, Oromia and Addis Ababa city Administrations are above the national average. Further more, 70% of the served and 63% of the total urban population belongs to these 3 regions and that is why the National average urban water supply coverage is pulled up closer to these regions' coverage value. Urban water supply coverage for the remaining regions is below the national average.

Likewise for the rural, regional urban water supply coverage for Somali region has appeared extremely low followed by Harari region. The difference between maximum and minimum regional urban water supply coverage is 63%, here again implying significant variation among the regions.

Absence of people served with on spot and public tap mode of services in case of Direedawa and Harar towns is exceptional, even though users with these modes of services are not considered as per GTP-II standard.

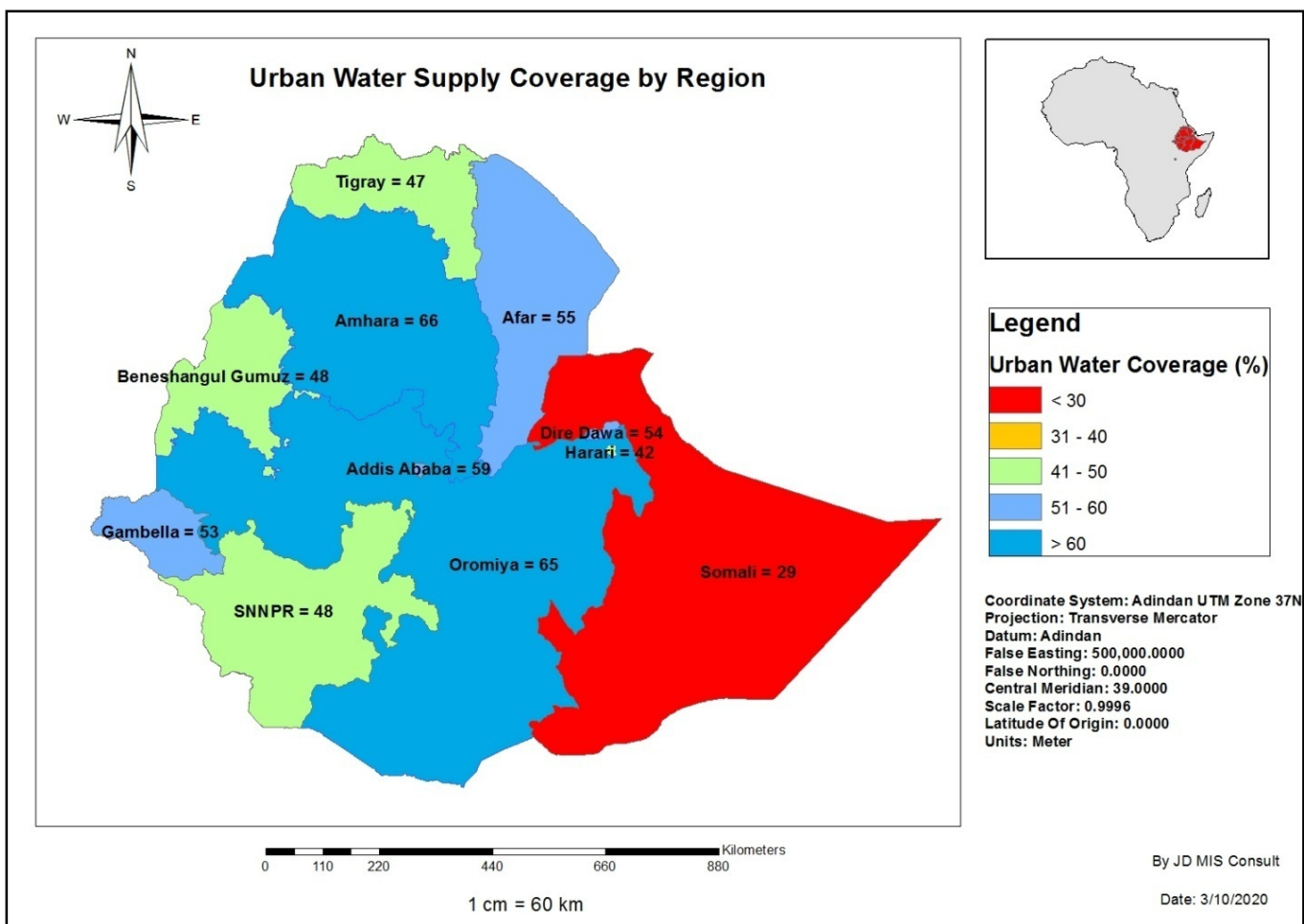


Figure 5 Map for Regions Urban Water supply coverage

Table 4. Urban water supply access Coverage by service levels for Region

Admin	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population excluding towns not covered by the NWI2	Urban water supply coverage (%)
National total	378,228	1,908,114	3,622,088	4,569,808	10,478,238	18,317,514	57
Addis Ababa	0	41,394	359,664	1,687,632	2,088,692	3,519,000	59
Afar	15,376	54,219	114,647	26,936	211,178	387,141	55
Amhara	101,245	570,578	1,376,372	535,349	2,583,516	3,933,783	66
Benshangul-Gumaz	19,993	36,307	50,422	10,571	117,293	243,999	48
Dire Dawa	0	0	0	164,085	164,085	303,000	54
Gambela	9,074	34,158	22,103	18,901	84,236	158,403	53
Harari People			0	58,007	58,007	137,000	42
Oromia	139,779	493,971	717,120	1,300,013	2,650,927	4,103,980	65
Somali	3,014	140,888	36,275	6,130	186,307	644,415	29
SNNPR	70,602	370,938	571,366	521,345	1,534,236	3,196,189	48
Tigray	19,145	165,661	374,119	240,839	799,761	1,690,604	47

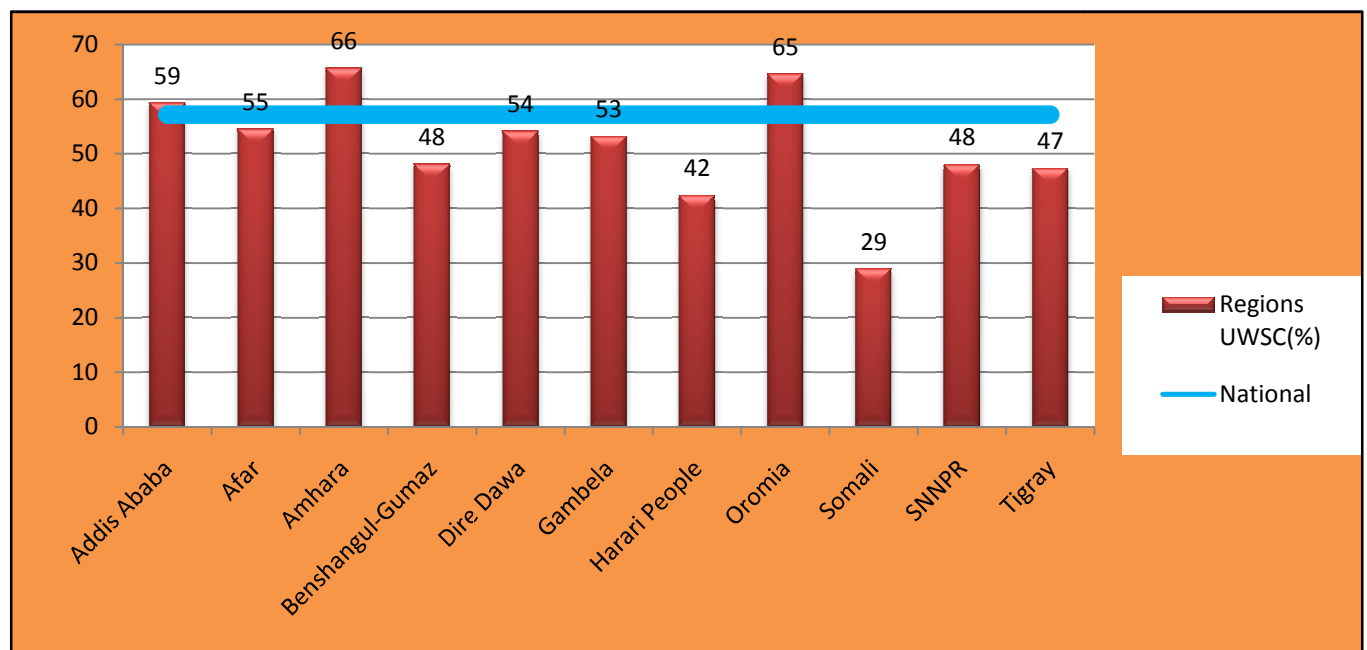


Figure 6 Variation of Regions Urban water supply coverage from national average

5.2.2.3. Total Water Supply Coverage

The total (urban + rural) water supply access coverage for all regions as per the GP-II service level is demonstrated in table 5 and figures 9&10 below. Basically, the MIS in its current form cannot generate the combined water supply coverage. But since both rural and urban beneficiaries and respective converges are generated separately, it is not difficult to combine and compute total water supply coverage at each administrative level. Accordingly, total water supply coverage for all regions is computed and presented in the following tables and figures.

As regarding the total water supply coverage, both Gambella and Harari regions have equally recorded maximum coverage of 64% % followed by Addis Ababa and Amhara each with 59%. Like for the regional rural water supply coverage, the three regions namely Somali, SNNPR and Afar have total water supply coverage below the national average where the remaining regions have above the national average. The difference between the maximum and minimum regional total water supply coverage is 41units, still high variation between the regions but narrower than the variations in both rural and urban water supply coverage described in the previous sections..

In other words, the maximum total regional water supply coverage (Gambella and Harari) is by 15 unit more where as the minimum regional total water supply coverage (Somali) is by 25 units less than the National total water supply coverage.

Table 5.Total water supply Coverage by Regions

Region	Served population from the on-spot schemes	Served from Public taps	Served from Yard and House connections	Total served	Total Population covered by the NW12	Water supply Coverage
Addis Ababa	0	41,394	2,047,296	2,088,690	3,519,000	59%
Afar	98,091	549,186	151,197	798,474	1,914,360	42%
Amhara	8,623,680	1,817,326	2,202,659	12,643,665	21,550,479	59%
Benshangul-Gumaz	496,533	75,901	64,562	636,996	1,096,001	58%
Dire Dawa	7,679	100,055	166,948	274,682	479,000	57%
Gambela	201,928	41,279	42,265	285,472	447,999	64%
Harari People	30,562	69,710	58,007	158,279	246,000	64%
Oromia	9,763,056	4,248,522	2,515,649	16,527,227	33,077,653	50%
Somali	478,008	496,666	75,885	1,050,559	4,435,551	24%
SNNPR	3,175,391	3,151,762	1,526,799	7,853,952	20,263,041	39%
Tigray	1,830,245	555,763	641,755	3,027,763	5,617,942	54%
National	24,705,173	11,147,564	9,493,022	45,345,759	92,647,026	49%

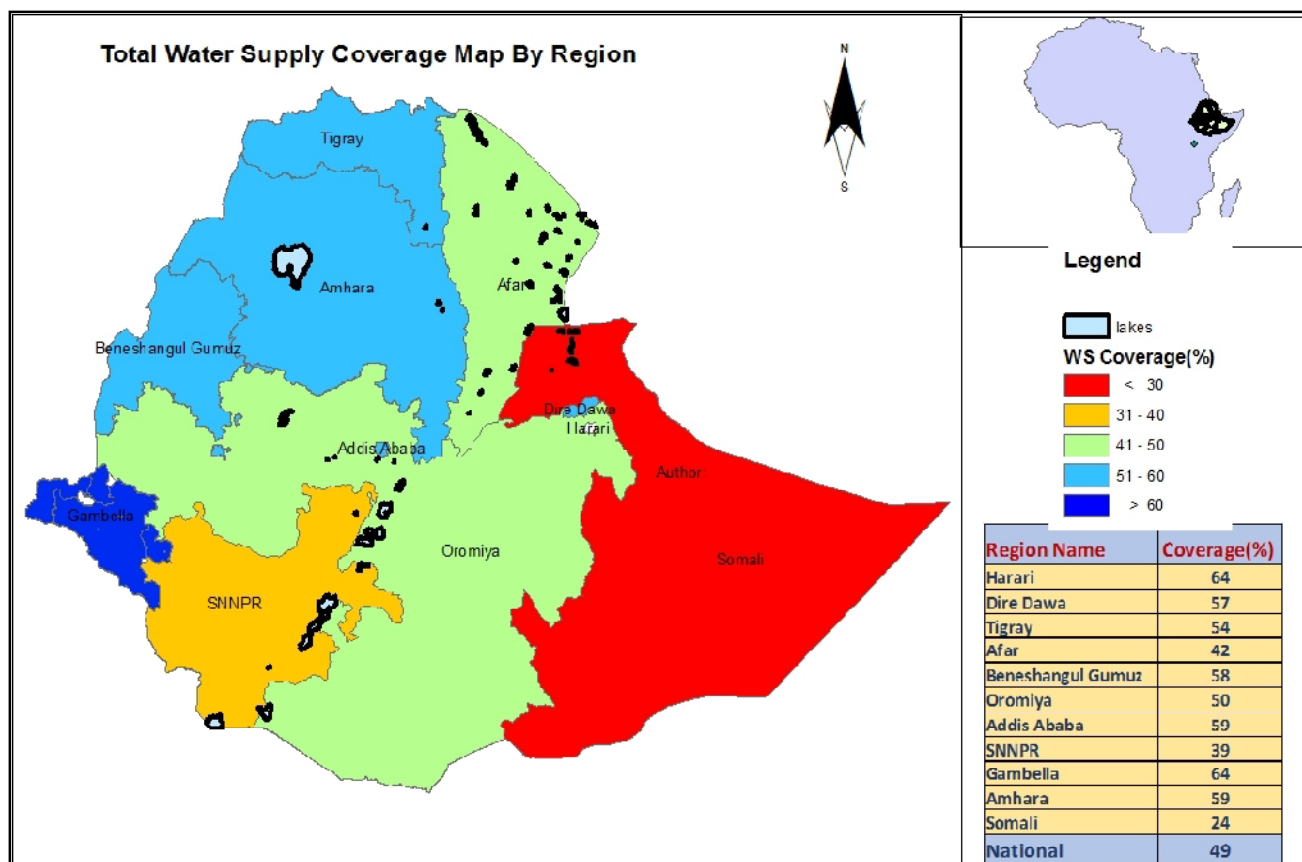


Figure 7 Map for Regions total water supply coverage

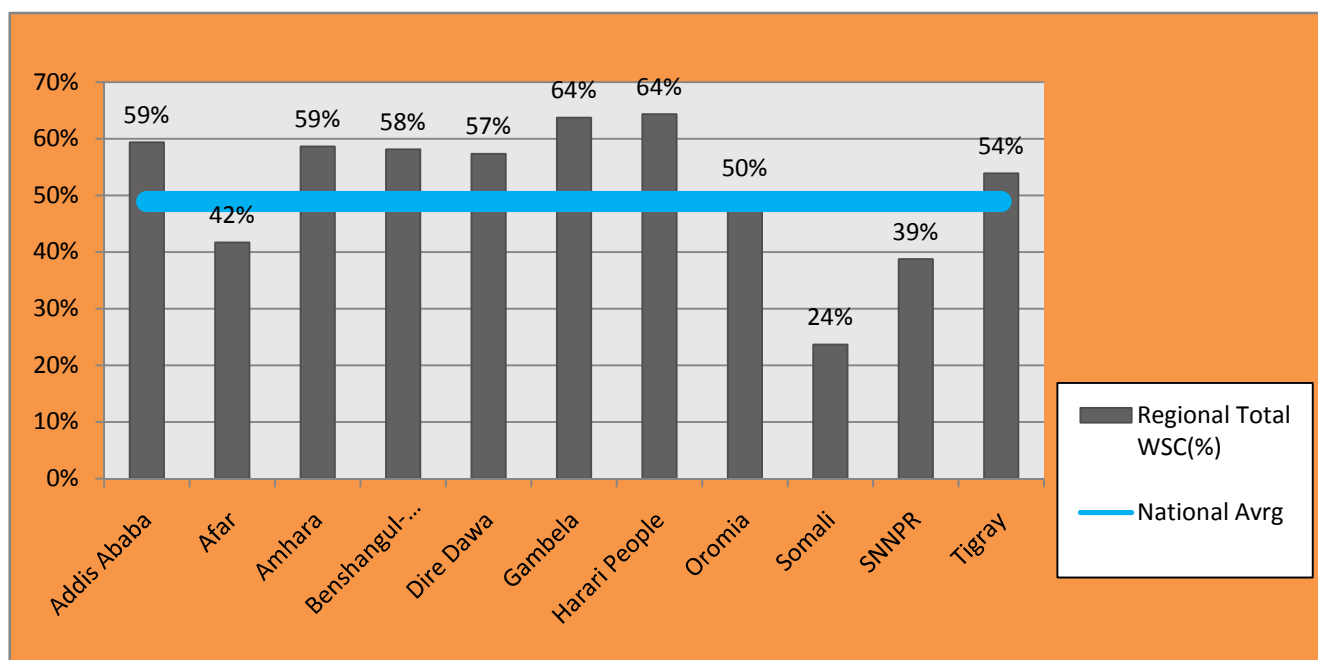


Figure 8 variation of regions Total water supply coverage from national average

5.2.3. Water Supply Access Coverage at Zones Level

In the previous sections, Regions' performance in terms of water supply provision is evaluated benchmarking the national average and comparing their performance to each other. For those regions with zonal and woreda structure, the MIS enables to generate KPIs both for rural and urban at each administrative hierarchy.

Hence, likewise Comparison of Regions performance benchmarking national level performance, water supply coverage at zones' level both for rural, urban and total is computed and presented hereunder in a way to enable comparison benchmarking their respective regional coverage and among each other. For zonal level computation, however, aggregated beneficiaries for rural, urban and total are tabulated here where beneficiaries per each mode of services are presented in annex1&2 for both rural and urban respectively as their orders. The exception with this regard is Somali region that has made complete change with administrative arrangement and hence unable to compute KPIs which require population data as inputs.

As it is articulated in GTP-II, the sub sector anticipates to progressively keeping the difference in water supply coverage with in 10% from the average value of the immediate higher hierarchy. In this way, as Regions coverage value was compared benchmarking the national average value, total water supply coverage at zones level is compared in reference to total average value of respective regions as follows. As can be depicted in the respective tabulations, for Amhara region, total water supply coverage for 6 zones is more than the regional total average where for 10 zones; it is less than the regional average (Table 6). Furthermore, the difference between the maximum and minimum zone's total water supply coverage is 45 unit percent. However, the deviation of total water supply coverage from the region's total average value is within 10 unit percent for 11 of the total 16 zones ,which implies good progress to fair distribution.

For Oromia region, number of zones with total water supply coverage more than and less than regional total average are 19 and 13 respectively as their orders. The deviation for 17 zones is with 10 percentage points from the regional average. The difference between the maximum and minimum is however exceptionally high, (100% for Amboy city administration and 5% for Bishan Guracha Liyu zone).

In the case of SNNPR, the difference between zones' total water supply coverage and regional total average is within 10 percentage points for 17 zones while for the remaining 3 zones the deviation is more than 10 percentage points.

For Gambella region, the deviation of zones total water supply coverage from the regional total average value is within 10 percentage points for 2 zones and more than 10 percentage points for the remaining one special woreda and one zone.

For Tigray, Afar and Benishangul Gumuz regions, comparison of zones' total water supply coverage with the regional total average looks a pretty interesting.

In Tigray, while the regional total water supply coverage is 54%, the maximum and minimum zonal total water supply coverages are 64% and 49%(Western Tigray and Mekele City liyu zone) respectively as their orders. Total water supply coverage for all zones is within the range of 10 percentage points difference from the regional total average, which means a fair distribution.

For Afar region, the deviation of zones total average water supply coverage from the regional average is almost nil, equally 1 percentage point for two zones and negligible for the other three zones.

In general, even though water supply coverage computed based on this NWI2 seems as a whole to be relatively low compared to the paper based reported value from respective regions in the same time line (2010 EFY), the deviation of regions total average values from the nationally aggregated average value and zones total average values in turn from respective regional average value seems healthy.

However, there are cases when the deviations become extremely high down the line i.e. woredas average from respective zones average.

Table 6. Water supply Coverage at Zones level for Amhara region

Zone	Rural			Urban			Total		
	Served population	Total population	Water supply coverage (%)	Served population	Total population	Water supply coverage (%)	Served population	Total population	Water supply coverage (%)
Awi	533,765	1,044,022	51.1	182273.0	230348.0	79.1	716,038	1,274,370	56
Bar Dar Sp. Zone	60,225	60,225	100.0	248,842	296,532	83.9	309,067	356,757	87
East Gojam	1,164,993	2,178,589	53.5	282,445	438,682	64.4	1,447,438	2,617,271	55
North Gonder	301,115	780,792	38.6	68,367	98,280	69.6	369,482	879,072	42
North Wollo	815,803	1,446,040	56.4	239,788	282,492	84.9	1,055,591	1,728,532	61
Oromia Zone	224,346	477,427	47.0	67,770	96,814	70.0	292,116	574,241	51
South Gonder	1,421,074	2,181,197	65.2	191,218	311,318	61.4	1,612,292	2,492,515	65
South Wollo	1,621,329	2,594,965	62.5	245,702	326,791	75.2	1,867,031	2,921,756	64
Wag Hemira	355,077	496,274	71.5	21,765	53,557	40.6	376,842	549,831	69
West Gojam	1,326,504	2,258,313	58.7	211,556	396,875	53.3	1,538,060	2,655,188	58
North Shewa (K3)	973,661	1,799,100	54.1	283,601	436,757	64.9	1,257,262	2,235,857	56
Maekelawi Gonder	1,075,590	1,962,641	54.8	150,092	261,389	57.4	1,225,682	2,224,030	55
Mirab Gonder	138,754	256,509	54.1	53,785	102,938	52.2	192,539	359,447	54
Dessie Town Administration	29,438	39,980	73.6	174,802	210,366	83.1	204,240	250,346	82
Argoba Liyu	18,447	40,622	45.4	-	-	0.0	18,447	40,622	45
Gondar Ketema Liyu Zone	-	-	0.0	161,510	390,644	41.3	161,510	390,644	41
Regional	10,060,121	17,616,696	57%	2,583,516	3,933,783	66%	12,643,637	21,550,479	59

Table 7. Water supply Coverage at Zones level for Oromia region

Zone	Rural			Urban			Total Zonal		
	Served population	Population	WSC (%)	Served population	Population	WSC (%)	Served population	Population	WSC (%)
Arsi	1,258,022	2,889,280	44	140,317	245,722	57	1,398,339	3,135,002	45
Bale	638,932	1,585,339	40	55,298	84,541	65	694,230	1,669,880	42
Borena	196,764	515,520	38	26,334	37,237	71	223,098	552,757	40
East Shewa	527,721	1,360,099	39	70,876	162,166	44	598,597	1,522,265	39
East Wellega	769,024	1,432,012	54	54,955	142,976	38	823,979	1,574,988	52
Illubabor	451,137	814,926	55	74,368	106,226	70	525,505	921,152	57
Jimma	1,630,048	3,095,989	53	55,589	106,172	52	1,685,637	3,202,161	53
North Shewa (K4)	814,268	1,410,331	58	109,532	141,068	78	923,800	1,551,399	60
West Harerghe	1,131,755	2,260,405	50	126,533	224,868	56	1,258,288	2,485,273	51
West Shewa	997,133	2,286,535	44	101,719	211,446	48	1,098,852	2,497,981	44
West Wellega	945,558	1,592,157	59	111,944	164,191	68	1,057,502	1,756,348	60
Mirab Arsi	1,079,698	2,299,692	47	107,135	276,846	39	1,186,833	2,576,538	46
Guji	523,358	1,231,925	42	21,267	84,570	25	544,625	1,316,495	41
Misrak Haraghe	1,493,671	3,316,005	45	99,920	208,931	48	1,593,591	3,524,936	45
Buno Bedele	298,667	642,212	47	33,954	71,717	47	332,621	713,929	47
Horo Guduru Wollega	370,637	675,721	55	77,042	96,228	80	447,679	771,949	58
Debub Mirab Shewa	532,086	1,075,486	49	38,654	84,445	46	570,740	1,159,931	49
Dukam Liyu Zone	-	-	-	11,221	12,398	91	11,221	12,398	91
Sabata	-	-	-	134,435	153,606	88	134,435	153,606	88
Burayu	-	-	-	75,570	99,702	76	75,570	99,702	76
Oromiya Liyu Zone	217,865	490,039	44	24,136	44,583	54	242,001	534,622	45

Zone	Rural			Urban			Total Zonal		
	Served population	Population	WSC (%)	Served population	Population	WSC (%)	Served population	Population	WSC (%)
Nekemte Liyu Zone	-	-	-	91,236	118,523	77	91,236	118,523	77
Bishan Guracha Liyu Zone	-	-	-	2,000	37,431	5	2,000	37,431	5
Woliso Liyu Zone	-	-	-	11,393	59,685	19	11,393	59,685	19
Shashamane Liyu Zone	-	-	-	134,815	158,287	85	134,815	158,287	85
Laga Tafo Laga Dadi	-	-	-	18,644	20,629	90	18,644	20,629	90
Adama Liyu Zone	-	-	-	363,560	375,764	97	363,560	375,764	97
Jimma Liyu	-	-	-	178,000	190,598	93	178,000	190,598	93
Gelan Liyu Zone	-	-	-	10,165	14,479	70	10,165	14,479	70
Ambo City Admin	-	-	-	91,465	91,721	100	91,465	91,721	100
Asela Liyu Zone	-	-	-	77,280	105,997	73	77,280	105,997	73
Bishoftu Liyu Zone	-	-	-	121,570	171,227	71	121,570	171,227	71
Total Regional	13,876,344	28,973,673	48	2,650,927	4,103,980	65	16,527,271	33,077,653	50

Table 8. Water supply Coverage at Zones level for SNNPR

Zone	Rural			Urban			Total Zonal		
	Served pop	Population	RWSC (%)	Served	Population	UWSC (%)	Served pop	Population	WSC (%)
Basketo Special Woreda	21,029	65,874	32	-	12,016	-	21,029	77,890	27
Benchi Maji	238,460	738,779	32	56,380	160,952	35	294,840	899,731	33
Dawuro	257,855	581,691	44	19,556	48,916	40	277,411	630,607	44
Yem Special Woreda	40,707	93,083	44	7,863	18,359	43	48,570	111,442	44
Konta Special Woreda	29,112	105,691	28	4,610	19,046	24	33,722	124,737	27
Shaka	82,416	211,271	39	23,762	72,745	33	106,178	284,016	37
Sidama	1,391,432	3,572,433	39	159,813	373,941	43	1,551,245	3,946,374	39
South Omo	242,399	678,561	36	29,275	99,558	29	271,674	778,119	35
Wolayita	452,532	1,700,252	27	196,597	328,485	60	649,129	2,028,737	32
Gamo Gofa	818,796	1,837,271	45	144,474	339,025	43	963,270	2,176,296	44
Gedeo	309,401	946,568	33	29,421	78,718	37	338,822	1,025,286	33
Guraghe	535,011	1,484,254	36	154,687	261,398	59	689,698	1,745,652	40
Hadiya	551,430	1,404,073	39	166,870	285,289	58	718,300	1,689,362	43
Kaffa	362,175	1,036,177	35	49,099	132,053	37	411,274	1,168,230	35
Kembata Tembaro	338,784	746,139	45	90,823	225,317	40	429,607	971,456	44
Silite	276,465	900,032	31	48,479	112,564	43	324,944	1,012,596	32
Segen Akababi Hizboch	281,897	701,768	40	23,105	66,526	35	305,002	768,294	40
Alaba Special	89,800	262,935	34	32,250	61,823	52	122,050	324,758	38
Hawassa City Admnistration	-	-	-	247,377	363,413	68	247,377	363,413	68
Dilla City Admin	-	-	-	49,795	136,045	37	49,795	136,045	37
Regional Total	6,319,701	17,066,852	37	1,534,236	3,196,189	48	7,853,937	20,263,041	39

Table 9. Water supply Coverage at Zones level for Tigray, Afar and Gambella Regions

Zone	Rural			Urban			Total Zonal		
	Served	pop	RWSC (%)	Served pop	Population	UWSC (%)	Served pop	Population	Total WSC (%)
Tigray Region									
Central Tigray	627,006	110,3742	57	154,087	317,205	49	781,093	142,0947	55
Easetern Tigray	394,058	679,652	58	130,208	285,527	46	524,266	965,179	54
Mekele	0	0	0	205,360	423,168	49	205,360	423,168	49
Southern Tigray	348,845	568,431	61	77,484	190,141	41	426,329	758,572	56
Western Tigray	205,559	317,498	65	88,372	141,059	63	293,931	458,557	64
Semen Mirab	348,698	725,716	48	124,584	292,155	43	473,282	1,017,871	46
Debub Misrak	303,833	532,299	57	19,666	41,349	48	323,499	573,648	56
Regional Total	2,227,999	3927338	57	799,761	1,690,604	47	3,027,760	5,617,942	54
Afar Region									
Zone 1	156,802	433,698	36	104,722	184,921	57	261,524	618,619	42
Zone 2	156,065	403,894	39	31,939	51,888	62	188,004	455,782	41
Zone 3	68,020	180,112	38	51,984	107,365	48	120,004	287,477	42
Zone 4	119,687	295,799	40	8,728	18,682	47	128,415	314,481	41
Zone 5	86,722	213,716	41	13,805	24,285	57	100,527	238,001	42
Regional Total	587,296	1,527,219	38	211,178	387,141	55	798474	1,914,360	42
Gambella Region									
Mejenger	36,880	66,390	56	14,289	14,293	100	51,169	80,683	63
Angewak	47,494	59,865	79	47,433	105,226	45	94,927	165,091	57
Itang Special	17,037	37,873	45	7,138	11,931	60	24,175	49,804	49
Newer	99,825	125,468	80	15,376	26,953	57	115,201	152,421	76
Regional Total	201,236	289,596	69	84,236	158,403	53	285,472	447,999	64
Benishngul Gumuz									
Asosa	213,094	340,168	63	54,159	92,037	59	267,253	432,205	62
Kemashi	68,253	108,816	63	17,660	34,306	51	85,913	143,122	60
Metekel	209,460	344,406	61	41,661	109,843	38	251,121	454,249	55
Mao Ena Komo	28,896	58,612	49	3,813	7,813	49	32,709	66,425	49
Regional	519,703	852,002	61	117,293	243,999	48	636,996	1,096,001	58

5.2.4. Water Supply Coverage at various levels

Both rural and urban water supply beneficiaries with respect to different service levels and water supply coverage is listed under Annex 1

5.3. Rural Water Supply Schemes Non-functionality Rate and other features

5.3.1. General

The information on the status of the rural water supply schemes is analyzed from data captured during the inventory. Accordingly, if the scheme was not in a position of providing water supply service to the community during the inventory due to various reasons, it was labeled as ‘non-functional’. Hence, based on this data, the rural water supply schemes non-functionality rate at the national, region, zone and woreda levels is computed. The details at regions` level is presented in Table 10 and figure 10 &11 where as the details at zones and woredas levels are presented in annex 3 of this report.

5.3.1.1. Non-functionality Rate at National Level

At national level, there are overall 155,482 developed sources for rural water supply schemes of which 142,948 are on-spot water supply schemes and 12,591 sources for rural piped systems. Of these, overall 29,533 developed sources are not functional, which means 19% non functionality rate. Of the total non-functional water supply sources, 27,801 are on-spot schemes and 1,732 are sources developed for rural piped systems indicating that the non-functionality rate for on-spot water supply schemes is 17.9 % and 1.1 % for piped system. In other way, when non functionality is compared on like to like basis, it is 19.4% for on spot schemes while non functionality for RPS sources is 13.8%.

As per the first National WaSH Inventory (NWI-1) conducted 8 years ago in 2011 among 92,000 rural water supply schemes covered by the inventory 25% were not functional. The result shows some progresses are made to improve the situation though it is not as per the expectation. Thus, it needs due attention at all levels to significantly reduce non-functionality rate with budget allocation for the same in parallel to construction of new schemes.

From total number of inventoried rural water supply schemes, about 93,247 or 60% are from ground water sources in the form of hand dug wells, shallow wells and Boreholes where the remaining balance constitutes other forms mainly springs. Region wise, contribution of ground water in the above mention sprite varies from 97% in Harari to 38% in SNNPR figure 9 below).

On the other hand, among the inventoried over 12,000 rural pipe systems, the source of energy used for water lifting is indicated as 19 % from diesel driven generators, 65% by gravity, 3% and 2% respectively from grid system and solar energy sources, and the remaining 11% from mix of two or more energy sources.

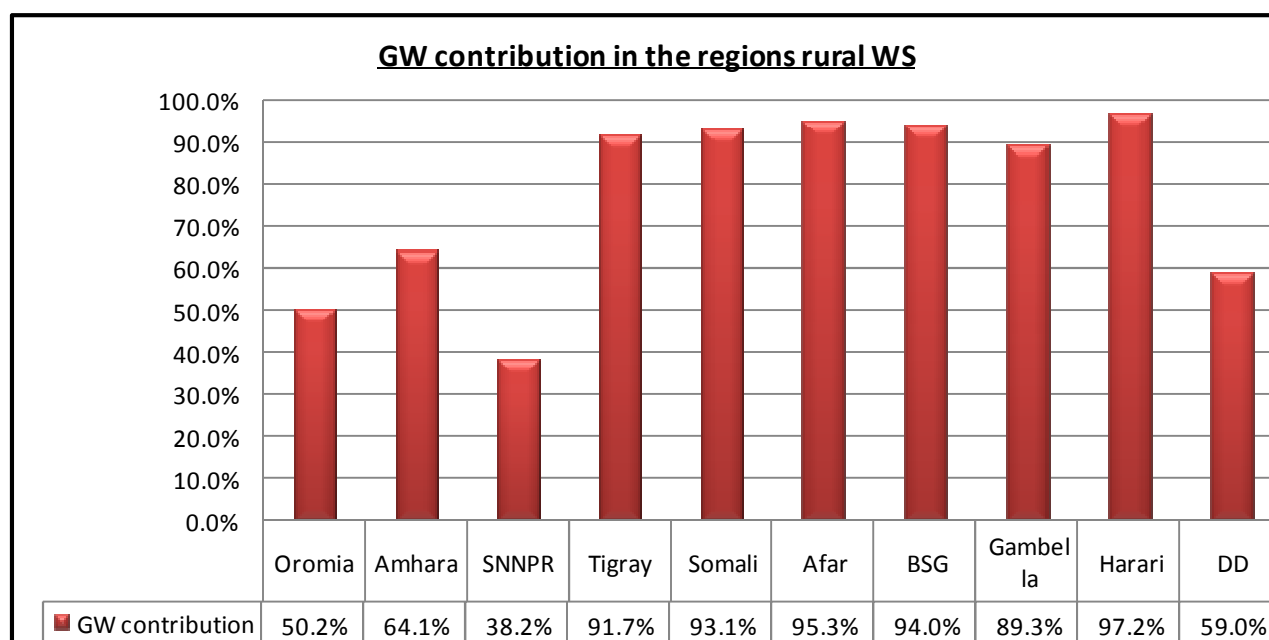


Figure 9 Contribution of GW in the regions' rural water supply system

5.3.1.2. Non-functionality Rate at Region Level

Regional level non-functionality rate is depicted in Figure 10&11 and Table 10 below. The result of rural water supply schemes non-functionality rates of each region indicates that though some progress is made to improve the situation, it is far lagging behind to meet the 7% targets set in GTP-II.

The rural water supply non-functionality rate for Oromiya, Benishangul Gumuz, and Amhara regions is below the national average while that for Amhara and SNNPR is almost similar to the national average. Non functionality rate for the all the remaining regions are above the national average but particularly extreme values are recorded for Somali and Hariri regions each with non functionality rate of 48.4% and 40.1 % (almost half of the total available schemes). The range between the maximum and minimum rural water supply schemes non-functionality rate at region levels is 30.9% where minimum value of 17.5% and maximum 48.4% respectively belongs to Oromiya and Somali regions. This implies an extremely far distance on rural water supply schemes non-functionality rate between the two extremes.

In order to prioritize strategic action to improve functionality of rural water supply schemes, the reasons for non functionality is also identified & categorized. Accordingly, from the identified 9 reasons, shortage of spare parts has appeared to be the single most important cause for non functionality accounting 52.1% share for rural water supply schemes non functionality (52.6% for the on- spot schemes and 42.3% for RPS),(Figs 12 to 14).

Drying up water sources is the 2nd ranked reason with 15.2% share while water quality problem, scarcity of technical staffs, Pump failure and others are accounting for 7.8%, 6.6% 6.1% & 7.9%, share respectively for the reason of non functionality. The shortage of technical staff, fund and fuel/electricity are more

apparent for RPS non functionality while pump failure is not the case. When Non-functionality is made by the schemes category, it is 19.4% for the on- spot schemes and 13.8% for rural pipe systems (RPSs).

Among the reasons of non functionality, shortage of spare parts is the leading cause for non functionality with exception of Harari region where major cause is shortage of technical staff followed by the source dried up.

Water source dried up is the 2nd major cause for non functionality for Oromiya, Afar and SNNPR(with share of 28.8% , 21.2% and 20.1% respectively) where as water quality with share of 10.2% is the 2nd ranked reason for Gambella region and 3rd ranked for Somali & Afar regions with share of 12.% & 11.6% respectively (Table 11).

Nationwide, it can be concluded that if shortage of spare parts supply is solved at least by 50%, then non functionality rate could drop from the current state of 19% to about 14%.

Table 10.Rural water supply schemes non functionality rate

Regions	On-spot water supply schemes			Rural Piped water supply schemes			Total Water Supply schemes		
	Total	NF schemes	NFR (%)	Total	NF schemes	NFR (%)	Total	NF schemes	NFR (%)
BSG	2,996	527	17.6	57	9	15.8	3053	536	17.6
Oromiya	45,891	7,977	17.6	3,506	653	18.6	49397	8630	17.5
Somali	523	287	54.9	426	172	40.4	949	459	48.4
Amhara	63,209	12,567	19.9	5,181	471	9.1	68390	13038	19.1
SNNP	15,822	3,261	17.7	2,313	296	12.8	18,135	3557	19.6
Tigray	12,932	2,755	20.6	396	77	19.4	13,328	2,832	21.2
Gambella	1,010	221	21.5	16	0	0.0	1026	221	21.5
Afar	331	102	30.8	241	42	17.4	572	144	25.2
Harari	230	95	41.3	12	2	16.7	242	97	40.1
Diredawa	26	13	50.0	77	10	13.0	103	23	22.3
Total	142,948	27,801	19.4	12,591	1,732	13.8	155,482	29,533	19.0

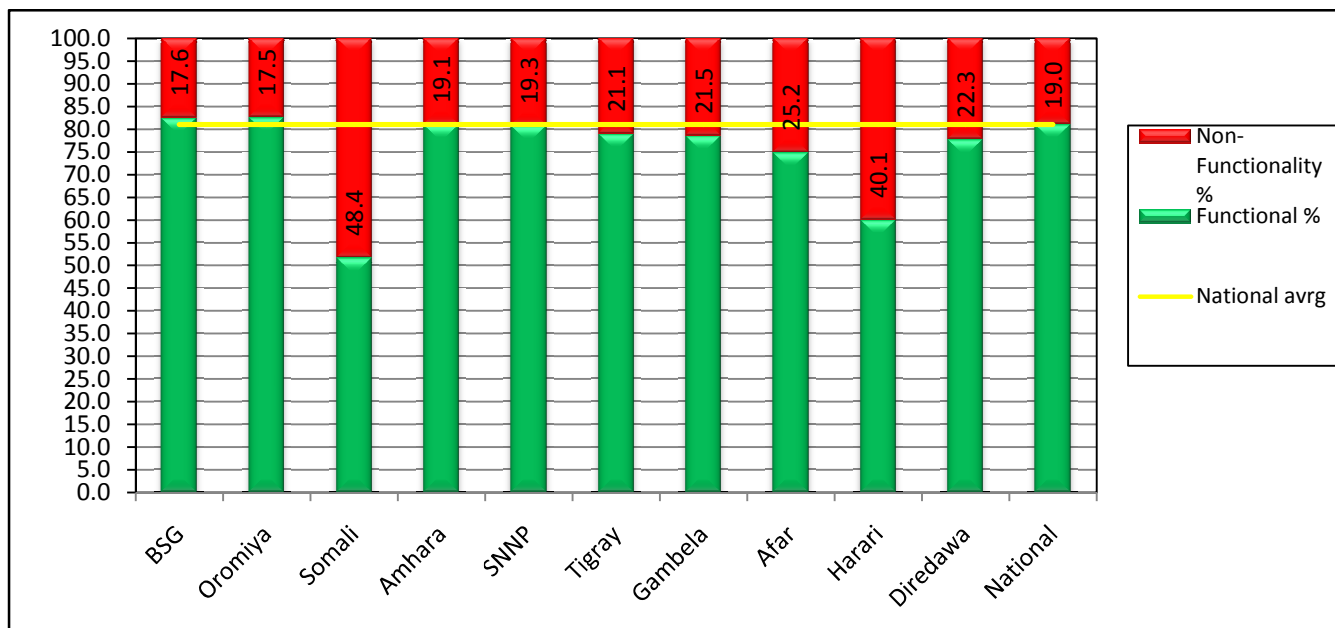


Figure 10 RWS schemes non functionality rate by regions

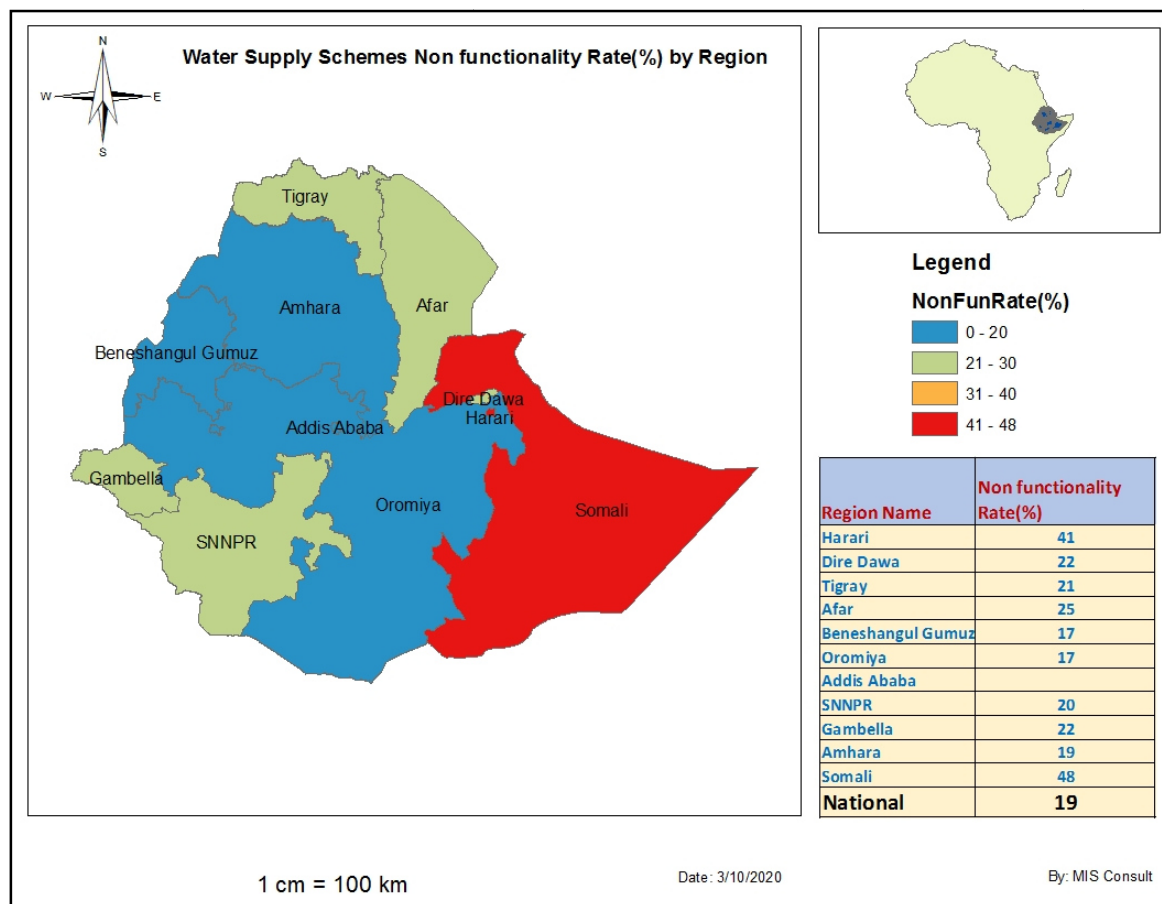


Figure 11 Non functionality by Regions

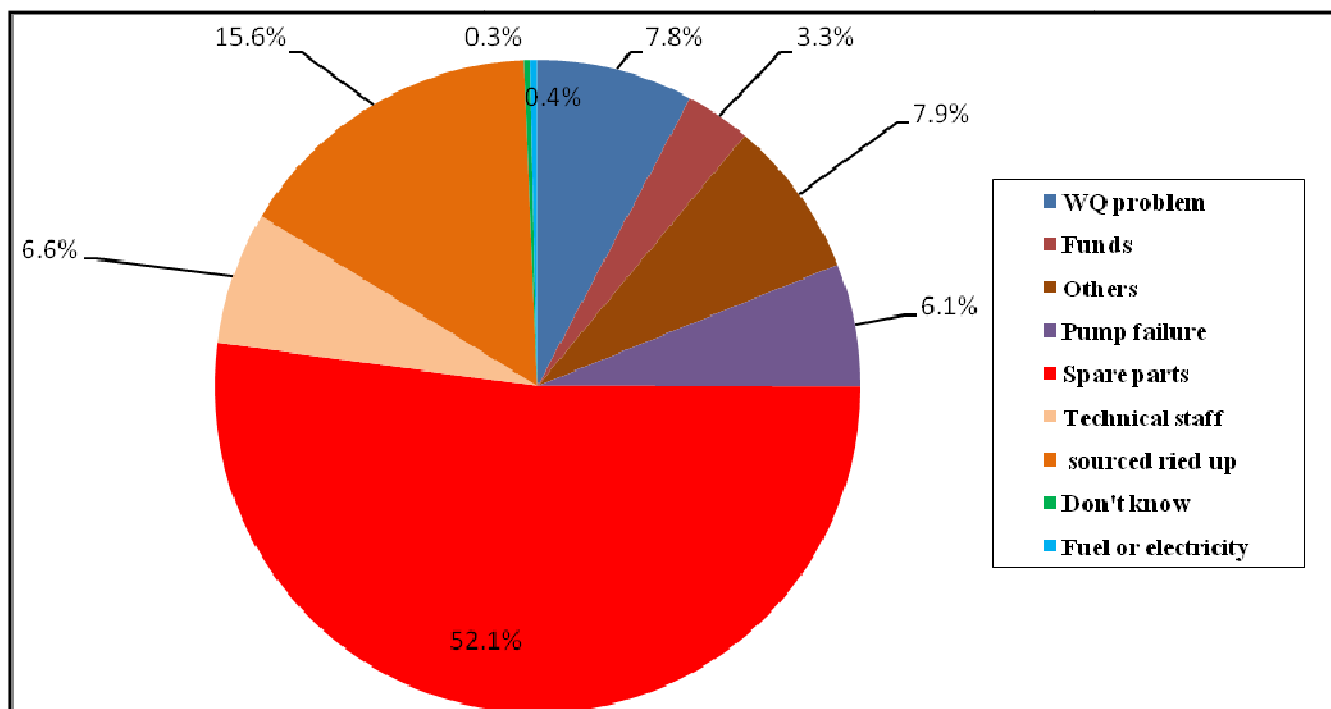


Figure 12 Reasons for RWS schemes non-functionality

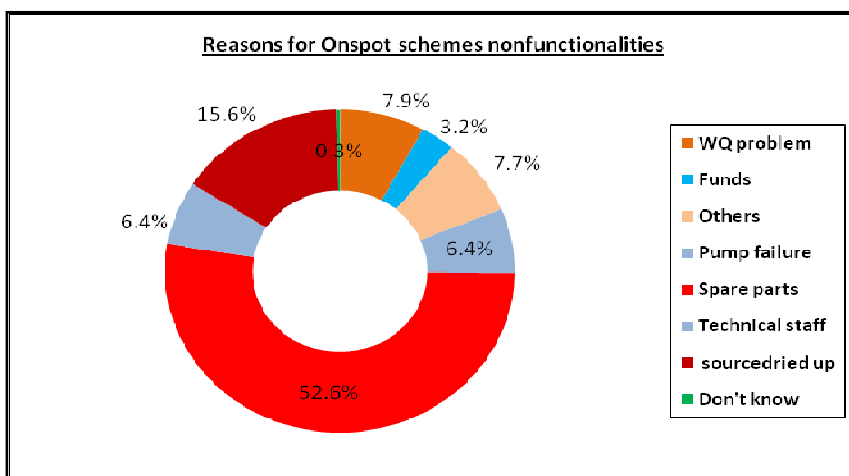


Figure 13 Reasons for on spot schemes non functionalities

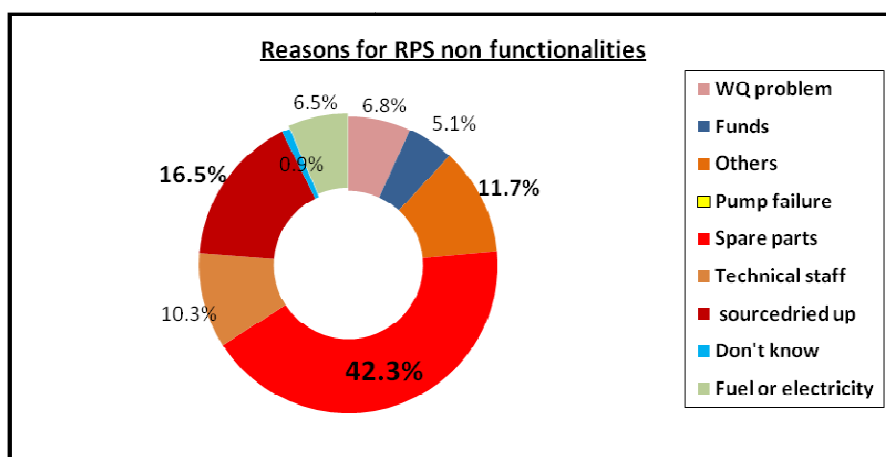


Figure 14Reasons for RPS non functionalities

Table 11.Major Reasons for Non functionality by Region

Region	WQ problem	Funds	Others	Pump failure	Spare parts	Technical staff	source dried up	Don't know	Fuel or electricity
BSG	8.0%	2.2%	3.9%	2.6%	74.0%	3.0%	6.3%	0.0%	0.0%
Oromiya	9.3%	2.5%	7.2%	5.7%	38.6%	7.3%	28.8%	0.2%	0.5%
Ethiopia Somali	12.4%	1.2%	9.6%	0.0%	60.5%	0.9%	12.1%	1.6%	1.6%
Afar	11.6%	2.7%	4.1%	10.3%	44.5%	1.4%	21.2%	0.0%	4.1%
Dire Dawa	4.2%	0.0%	4.2%	8.3%	58.3%	16.7%	8.3%	0.0%	0.0%
Harari	7.0%	1.2%	14.0%	2.3%	16.3%	30.2%	27.9%	0.0%	1.2%
Amhara	7.2%	2.4%	9.1%	5.9%	60.9%	5.8%	8.3%	0.3%	0.1%
SNNP	8.4%	4.6%	8.1%	5.9%	41.3%	10.0%	20.1%	0.7%	1.0%
Tigray	4.5%	8.2%	5.1%	9.9%	62.3%	4.7%	4.5%	0.8%	0.1%
Gambella	10.2%	4.9%	3.1%	3.1%	68.4%	3.6%	6.7%	0.0%	0.0%
National	7.8%	3.3%	7.9%	6.1%	52.1%	6.6%	15.6%	0.3%	0.4%

5.4. Other Key performance Indicators

The other Key performance indicators are those related to service equity, women's engagement and sustainability issues. Nine (9) KPIs are computed at various levels and very summary at regional and national level is presented here under

Region	(1) % of WaSHCOs with $\geq 50\%$ Women members	(2) % WaSHCOs with women members in leadership position	(3) % of WaSHCOs/WaSH Users Associations with maintenance tools	(4) Percentage of Rural chemes with Trained caretakers	(5) Percentage of Female care takers
National Total	19	52	38	37	32
Afar	18	81	13	46	42
Amhara	10	43	48	42	22
Benshangul-Gumuz	28	85	55	64	27
Dire Dawa	58	96	42	47	60
Gambela	69	88	4	35	51
Harari	35	66	46	53	52
Oromia	10	44	23	22	33
Somali	16	61	12	29	42
SNNPR	13	75	16	30	39
Tigray	90	83	80	63	47

Region	(6) % of Rural water collection points with disability inclusion	(7) % of urban water collection points with disability inclusion	(8) Percentage rural water supply schemes with water safety plan	(9) Percentage Urban water supply schemes with water safety plan
National Total	17	33	12	22
Addis Ababa	-	25	-	67
Afar	20	37	10	10
Amhara	13	34	6	16
Benshangul- Gumaz	12	4	17	6
Dire Dawa	5		0	100
Gambella	11	31	7	7
Harari	27	0	8	0
Oromia	19	32	15	27
Somali	7	2	10	16
SNNPR	34	47	27	29
Tigray	7	17	8	8

6. Reliability of the Results

As is usual with any technology, massive work was done with manual computation using the raw data from the same data source (down loaded from Cloud server at Coffey's custody). This was to affirm the reliability of the MIS results. The result of manual computation was of great value and served as yardstick to check reliability of the MIS's results. The two results were found essentially identical and this helped to identify out layers i.e. woredas and towns with unreasonably exaggerated or underrated results. Based on this, further verification work with inventory data for those localities with unlikely results was carried out and this enabled to identify causes for, inflated or underrated results. The causes are entrenched from over recorded or over recorded beneficiary numbers by the enumerators. Based on this, respective regional sector bureaus have carried out verification work that ran up two months varying from region to region. Some regions like Afar did an overhaul work, almost equivalent to reinventory while others with minor devotion did a quick look.

Up on completion of verification work, the input data for both the MIS and manual computation was refreshed and the MIS generated the herein results. Hence there is no question on the reliability with the results generated by the MIS.

The overall, national level water supply coverage computed with the inventory and MIS i.e. 47% rural, and 57% and 49% total may appear relatively low compared with paper based result compiled from respective regions' reports for the same time line (end of 2010 EFY) which was 75%, 64% & 73% for rural, urban and total as their orders. However ever, there are solid justifications for this with major ones mentioned hereunder.

- The impact of the GTP II standard with both increased volumes and reduced fetching distance is stringent:-
 - Volume :- 25 liters per head per day for rural and from 40 to 100 liter per head per day in urban setting based on towns development status & population size,
 - Distance: - a maximum of 1 KMs for rural setting and piped system at premises in urban setting with exception of 250 meters distance for small towns.
- It is with this inventory the first practical effort attempted to consider simultaneously all GTP-II criteria like the infrastructure capacity, actual volume supplied & people served per each category of mode of services and settlement of beneficiaries with the specified distance.
- With the so far, paper based reporting, the usual trend was merely adding new schemes with assumed beneficiaries without considering those obsolete or completely out of service schemes due to non-maintainable defaults.
- As per the GTP-II standard, traditional water sources (like ponds, Haffir dams, open wells, etc) and corresponding beneficiaries are not considered in this inventory
- In some areas, hand dug well fitted with rope pumps are reported no longer on use due to various reasons

Hence, the relatively lower Coverage value with this inventory-MIS seems to reflect the reality.

7. Conclusions

Water supply schemes inventory has been carried out in all regions although there are some woredas and zones which are not inventoried in some regions. Even though population of those woredas and towns not covered by the inventory is supposed to be low compared to the overall population, the MIS is made to exclude their population from the denominator in away to avoid their effect on the results. Data on 155,482 water supply schemes physical, service, and management status is collected using mobile based data collection tools.

Although the data collected through the inventory can be used as input to estimate a number of key performance indicators of the sub-sector, in this report only selected key performance indicators (KPIs) namely rural, urban and total water supply coverage and non-functionality rate of rural water supply schemes are computed.

Accordingly, the MIS using the inventory's input revealed that the national water supply coverage for 2018(end of 2010 EFY) at national level is 49%. Of these, the rural water supply coverage is 47% while the urban water supply coverage is 57%, all as per GTP-II standard. Furthermore, people served with different mode of service are purposefully sorted out in both settings in a way to tailor and serve as spring board towards the SDG.

In the same fashion, water supply coverages at region, zone, woreda, and town (for towns having designation of urban woreda/zone status) levels are computed and presented in the respective sections.

Regarding non-functionality rate of rural water supply schemes, it is estimated 19% at national level, of which 17.9% is for on-spot water supply schemes and 1.1% for piped water supply schemes. In the same way, the non-functionality rates at region, zone and woreda levels are computed and presented. To support strategic actions, major causes for non-functionality are identified and aggregated at national and regional levels.

Annexes

Annex 1: Rural water supply coverage at various levels

1.1 Afar Region Rural water supply coverage at Region, Zone & Woreda level

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Afar	82,715	494,967	9,614	1,527,219	38
Zone 1	27,250	129,275	277	433,698	36
Afambo	4,950	0	0	13,857	36
Aysaita	2,500	13,820	0	45,287	36
Chifera	750	41,300	0	96,563	44
Dubti	6,000	3,287	100	49,145	19
Elidar	1,220	5,130	0	54,070	12
Mile	2,750	65,088	177	86,334	79
Kori	2,880	0	0	54,768	5
Adear	6,200	650	0	33,674	20
Zone 2	19,090	135,455	1,520	403,894	39
Afdera	0	7,420	0	35,722	21
Erebt	380	17,670	0	42,455	43
Megale	980	12,400	0	34,205	39
Kuneba	430	26,000	0	47,346	56
Berehale	5,250	25,665	0	90,666	34
Dalol	8,730	29,920	0	100,201	39
Bidu	1,220	0	0	18,793	6
Abeala	2,100	16,380	1,520	34,506	58
Zone 3	13,606	46,622	7,792	180,112	38
Amibara	275	12,105	5,786	43,918	41
Awash Fentale	4,550	3,775	0	16,139	52
Gewane	4,810	2,989	6	31,596	25
Argoba Liyu	1,150	13,535	0	24,505	60
Gelalo	455	8,490	2,000	39,619	28
Dulesa	2,366	5,728	0	24,335	33
Zone 4	8,687	111,000	0	295,799	40
Ewa	2,212	23,530	0	57,311	45
Teru	500	35,520	0	82,062	44
Yalo	2,025	9,000	0	58,149	19
Golina	2,500	28,900	0	57,162	55
Awra	1,450	14,050	0	41,115	38
Zone5	14,082	72,615	25	213,716	41
Telalak	3,270	4,700	25	44,827	18
Hadele'Ela	3,062	19,665	0	41,335	55
Semurobi	1,700	23,000	0	38,810	64
Dalifage	2,950	14,500	0	38,807	45
Dewe	3,100	10,750	0	49,937	28

1.2 Amhara Region Rural water supply coverage at different levels

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Amhara	8,522,435	1,246,748	290,938	17,616,696	57
Aw	503,226	25,746	4,793	1,044,022	51
Ankesha Guagusa	39,850	0	0	86,800	46
Banja Shigudad	48,910	6,050	0	95,969	57
Dangila	64,926	3,222	1,165	150,309	46
Fagita Lekoma	67,904	6,692	2,834	145,887	53
Guangua	63,670	1,700	740	132,020	50
Zigem	62,250	0	0	100,357	62
Guagusashekudad	43,849	7,720	0	85,009	61
Ayehu Guagusa	54,640	200	0	122,472	45
Jawi	55,272	162	54	122,258	45
Enjibara Ketema Astedader	1,955	0	0	2,941	66
Bar Dar Sp. Zone	44,504	10,191	5,530	60,225	100
East Gojam	1,046,900	104,290	13,803	2,178,589	53
Awabel	65,894	6,772	3,400	123,207	62
Bibugn	30,300	1,729	464	84,209	39
Debay Tilat Gin	37,905	24,907	0	139,807	45
Dejen	53,780	13,487	0	97,118	69
Enarji Ena Enawuga	74,470	0	0	171,177	44
Enemay	69,664	0	0	132,521	53
Goncha Siso Enese	90,547	800	0	188,879	48
Gozamen	48,416	17,001	1,775	152,911	44
Hulet Eju Enese	74,617	4,603	2,955	134,181	61
Machakel	66,875	11,365	0	125,300	62
Shebel Berenta	71,282	4,540	1,150	119,904	64
Sinan	57,334	0	0	105,979	54
Baso_Liben	113,917	8,110	0	155,777	78
Debre Elias	39,975	360	475	87,043	47
Sede	40,398	1,093	3,059	122,290	36
Aneded	64,571	1,601	525	103,788	64
Enebsie Sar Midir	46,955	7,922	0	134,498	41
North Gonder	289,060	11,950	105	780,792	39
Beyeda	39,186	98	0	109,946	36
Dabat	37,965	10,102	0	156,038	31
Debark	65,107	0	0	159,754	41
Janamora	58,980	0	0	191,646	31
Telemit	28,329	0	0	67,378	42
Adi Arkay	59,493	1,750	105	96,030	64
North Wollo	571,722	144,493	99,588	1,446,040	56
Bugna	39,791	1,710	0	94,261	44

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Dawunt	41,740	1,767	6,222	79,632	62
Gidan	51,685	40,446	1,650	137,464	68
Gubalafto	56,706	20,940	4,860	166,368	50
Raya Kobo	36,142	13,913	17,450	224,418	30
Meket	77,203	13,220	6,404	194,626	50
Wadila	91,871	265	5,160	124,688	78
Lasta	62,348	16,720	9,925	115,820	77
Gazo	43,206	5,955	4,755	82,938	65
Habiru	44,601	28,401	41,347	182,873	63
Angot	26,429	1,156	1,815	42,952	68
Oromiya Zone	152,260	55,086	17,000	477,427	47
Airtime Fursi	33,429	8,682	0	89,916	47
Bati	47,396	0	0	79,100	60
Dewa Chefa	25,709	21,360	9,240	152,429	37
Jile Timuga	28,595	17,395	6,760	84,434	62
Bati Ketema Astedader	5,166	0	0	25,043	21
Dewe Harawa	11,965	7,649	1,000	46,505	44
South Gonder	1,340,898	68,663	11,513	2,181,197	65
Dera	210,911	2,400	0	265,408	80
Ebinat	89,466	6,425	400	180,152	53
Estie	120,148	8,232	2,265	227,574	57
Farta	178,964	0	0	183,248	98
Fogera	157,515	25,938	799	250,042	74
Lay-Gaynt	62,925	0	0	202,744	31
Simada	120,280	6,983	0	162,606	78
Tachgayint	64,230	457	4,984	105,933	66
Andabet	58,943	9,270	3,065	138,706	51
Sedie Muja	27,989	4,525	0	86,159	38
Libokemkem	152,632	3,735	0	219,353	71
Guna Begie Midir	63,392	698	0	99,968	64
Meketewa	31,671	0	0	53,632	59
Addis Zemen	1,832	0	0	5,672	32
South Wollo	1,354,537	226,006	40,786	2,594,965	62
Ambasel	20,347	43,585	6,667	131,625	54
Dessie Zuriya	110,701	3,985	0	179,869	64
Jama	96,017	1,376	43	133,122	73
Kalu	49,535	19,245	7,807	190,733	40
Kelala	94,822	10,702	4,360	146,538	75
Kutaber	11,677	34,565	75	98,882	47
Legambo	112,750	2,652	8,890	186,254	67
Mekdela	112,206	13,137	451	160,552	78

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Tehuledere	57,824	1,138	0	108,888	54
Teneta	93,554	9,221	1,600	175,957	59
Wogdie	62,129	0	0	148,487	42
Wereilu	79,434	16,501	2,660	112,325	88
Werebabu	54,587	23,245	0	107,054	73
Legehida	51,556	3,634	0	72,964	76
Borena	92,749	8,988	580	158,456	65
Albuko	43,893	10,793	5,906	83,227	73
Delanta	40,549	6,595	980	121,165	40
Saynt Adjibar	97,740	1,928	0	161,158	62
Mehal Sayint	54,587	7,046	767	84,448	74
Kombolcha Ketema Astedader	17,880	7,670	0	33,261	77
Wag Hemira	307,722	44,499	2,856	496,274	72
Dehana	89,697	5,795	541	130,308	74
Sekota Zuria	94,058	630	0	99,374	95
Zikuala	27,315	1,292	0	51,685	55
Tsagibige	21,761	3,175	0	39,638	63
Gazgibla	42,601	25,642	1,175	85,289	81
Abergele	23,879	3,195	1,140	57,787	49
Sahla Seyemt	8,411	4,770	0	32,193	41
West Gojam	1,187,230	104,468	34,806	2,258,313	59
Bahirdar Zuriya	162,919	2,750	0	224,186	74
Dega Damot	60,012	0	0	163,380	37
Dembecha	59,825	16,488	3,114	128,159	62
Jebitehnan	67,860	11,887	4,140	185,620	45
Quarit	37,246	0	0	121,787	31
Sekela	51,663	3,933	30	151,730	37
Debub Achefer	68,468	9,053	6,230	137,754	61
Semen Achefer	76,400	10,273	50	220,748	39
Gonje Kolela	80,694	545	0	114,833	71
Debub Mecha	20,880	550	440	86,448	25
Burie Zuria	114,258	3,054	200	118,691	99
Yilmana Densa	181,010	4,700	13,250	228,726	87
Womberma	76,187	20,385	1,752	108,824	90
Semen Mecha	126,684	20,350	5,600	248,873	61
Burie Ketema Astedader	3,124	500	0	18,554	20
North Shewa (K3)	574,089	378,488	21,084	1,799,100	54
Geshe	50,982	6,425	3,178	68,393	89
Merehabetie	25,822	9,676	0	112,858	31
Berehet	6,965	9,920	0	34,930	48

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Tarmaber	14,389	39,041	545	85,534	63
Basso Ena Werena	19,859	85,180	955	138,528	77
Efratana Gidim	23,028	15,379	4,540	125,103	34
Ensaro	25,409	9,303	0	69,514	50
Mida Woremo	43,646	1,115	3,580	101,844	47
Menz Gera Midere	52,821	6,958	0	93,472	64
Moretna Jiru	27,650	9,342	0	97,394	38
Antsokia Gemza	13,736	17,438	2,722	50,730	67
Menzlalo	7,920	17,379	2,809	41,126	68
Ankober	13,678	26,317	885	81,417	50
Menz Keya Gebrael	33,367	23	0	48,001	70
Menz Mama Midir	24,349	20,397	810	89,353	51
Hagere Maryam Kesem	28,241	1,966	0	61,569	49
Mojana Wedera	31,010	6,696	1,060	74,819	52
Kewot	13,088	33,576	0	91,438	51
Angolelanatera	49,991	1,591	0	86,436	60
Asagrt	8,409	5,775	0	53,619	26
Saya Debirna Wayu	47,169	5,975	0	65,798	81
Minjar Shonkora	12,560	49,016	0	127,224	48
Maekelawi Gonder	1,010,587	50,868	14,135	1,962,641	55
Alefa	100,272	4,045	880	200,190	53
Mirabbelesa	43,580	880	3,000	161,631	29
Tachi Armachiho	97,624	10,707	9,000	131,961	89
Gonder Zuriya	148,088	2,440	0	205,339	73
Takusa	119,526	3,085	0	152,822	80
Misrak Dembiya	139,122	6,305	1,010	180,568	81
Mirabdemiya	76,760	200	0	113,953	68
Lay Armachiho	25,543	0	0	117,631	22
Wogera	62,486	415	0	202,366	31
Misrakbelesa	67,718	8,168	245	116,625	65
Kinfaz Begela	1,287	9,453	0	72,174	15
Chilga	84,427	4,250	0	222,890	40
Tegedie	44,154	920	0	84,491	53
Mirab Gonder	118,773	16,666	3,315	256,509	54
Quara	65,108	1,625	15	129,065	52
Metema	42,994	13,281	2,920	109,659	54
Merab Armachiho	10,671	1,760	380	17,785	72
Dessie Town Administration	6,630	1,284	21,524	39,980	74
Argoba Liyu	14,297	4,050	100	40,622	45

1.3 Benishangul Gumuz Region rural water supply coverage

Region / Zone / Woreda	on spot users	Public tap users	Yard and House connection users	Woreda population	Rural water supply coverage
Benshangul-Gumaz	476,540	39,594	3,569	852,002	61
Asosa Zone	187,388	25,538	168	340,168	63
Bambasi	32,694	16,096	70	49,668	98
Kurmuk	11,555	0	0	20,321	57
Menge	29,557	0	0	49,154	60
Sherqole	18,098	0	0	29,861	61
Odda Buldgilu	30,856	0	0	64,571	48
Assosa	52,052	210	98	100,385	52
Homosha	12,576	9,232	0	26,208	83
Kemashi zone	68,253	0	0	108,816	63
Sedal	12,805	0	0	19,178	67
Yasso	11,340	0	0	14,229	80
Agalo Meti	12,760	0	0	25,998	49
Bello Jiganfoy	16,420	0	0	34,384	48
Kemashi	14,928	0	0	15,027	99
Metekel zone	194,403	11,656	3,401	344,406	61
Bulen	28,807	0	0	48,967	59
Dangur	28,529	517	688	50,468	59
Debate	40,183	0	0	74,417	54
Guba	12,236	692	0	15,784	82
Mandura	37,570	2,076	0	41,729	95
Pawe	17,930	4,743	2,661	44,562	57
Wombera	29,148	3,628	52	68,479	48
Mao Ena Komo	26,496	2,400	0	58,612	49
Mao Ena Komo	26,496	2,400	0	58,612	49

1.4 Gambella Region Rural water supply Coverage

Admin	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Gambela Peoples	192,854	7,121	1,261	289,596	69
Mejenger	31,489	4,191	1,200	66,390	56
Godere	14,565	3,691	1,140	40,312	48
Mengeshi	16,924	500	60	26,078	67
Angewak	44,503	2,930	61	59,865	79
Gambela Zuriya	7,588	785	16	12,092	69
Abobo	12,312	0	0	14,847	83
Jor	5,240	0	0	11,122	47
Dima	5,760	1,750	0	7,519	100
Gog	13,603	395	45	14,285	98
Itang Special	17,037	0	0	37,873	45
Itang	17,037	0	0	37,873	45
Newer	99,825	0	0	125,468	80
Makoy	19,925	0	0	19,960	100
Jikawo	26,630	0	0	26,638	100
Lare	25,000	0	0	25,100	100
Wantawo	23,010	0	0	23,086	100
Akobo	5,260	0	0	30,684	17

1.6 Tigray Region Rural water supply Coverage

Indicator / Region / Zone / Woreda	On spot users	PT users	YC and HC users	woreda population	Water supply coverage
Tigray	1,811,100	390,102	26,797	3,927,338	57
Central Tigray	596,592	25,994	4,420	1,103,742	57
Adwa	77,438	2,536	0	111,198	72
Ahiferom	104,592	3,274	0	167,621	64
Kola Tembyen	68,797	1,275	20	149,808	47
Laelay Maychew	40,639	4,187	5	110,738	40
Tahtaymaychew	59,730	0	50	98,071	61
Tanqua Abergele	41,928	14,722	4,345	96,049	64
Mereb Leke	60,213	0	0	110,738	54
Nader Adet	66,158	0	0	115,006	58
Were Lehe	77,097	0	0	144,513	53
Easetern Tigray	319,912	66,231	7,915	679,652	58
Atsbi Wenberta	56,169	7,701	677	112,886	57
Erob	10,646	629	0	26,078	43

Indicator / Region / Zone / Woreda	On spot users	PT users	YC and HC users	woreda popuation	Water supply coverage
Ganta Afeshum	42,620	140	88	94,836	45
Gulo Meheda	17,305	47,571	0	82,691	78
Hawuzen	54,906	282	0	123,158	45
Saesi Tsadamba	88,903	6,775	0	134,157	71
Kilte Awlalo	49,363	3,133	7,150	105,846	56
Southern Tigray	202,020	135,968	10,857	568,431	61
Alamata	29,985	22,127	138	90,149	58
Endamehoni	43,394	6,985	264	91,168	56
Ofla	67,955	20,276	0	141,522	62
Raya Azebo	10,367	74,346	10,455	133,607	71
Alaje	50,319	12,234	0	111,985	56
Western Tigray	136,669	68,890	0	317,498	65
Kafta Humera	22,603	21,023	0	69,037	63
Tsegede	47,570	41,679	0	105,559	85
Welkayit	66,496	6,188	0	142,902	51
Semen Mirab	302,590	46,093	15	725,716	48
Medebay Zana	49,646	35,744	0	127,685	67
Tselemt	38,582	6,025	0	145,212	31
Laelay Adiyabo	48,927	2,812	0	117,980	44
Tahtay Adiyabo	56,412	0	0	117,980	48
Asegede Tsimbila	68,654	0	0	139,927	49
Tahtay Qoraro	40,369	1,512	15	76,932	54
Debub Misrak	253,317	46,926	3,590	532,299	57
Seharti Samre	68,476	8,253	810	128,410	60
Enderta	34,792	24,749	2,780	127,451	49
Hintalo Wajirat	68,395	5,036	0	157,880	47
Degua Temben	81,654	8,888	0	118,558	76

1.7 SNNP Region Rural water supply Coverage at various levels

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
SNNPR	3,104,789	2,780,824	434,088	17,066,852	37
Basketo Special Woreda	18,604	2,205	220	65,874	32
Benchi Maji	221,175	16,622	663	738,779	32
Bero	4,679	600	0	13,308	40
Maji	14,732	0	0	33,593	44
Surma	6,805	1,353	300	30,309	28
Sheko	23,913	0	0	57,810	41
Debub Bench	26,101	9,420	75	127,509	28
Meanietgoldia	26,810	0	0	110,461	24
Mentishasha	20,039	1,300	0	51,863	41
Semen Benchmaji	29,078	3,100	250	129,456	25
Shay Bench	51,764	849	38	145,717	36
Guraferda	17,254	0	0	38,753	45
Dawuro	178,664	75,386	3,805	581,691	44
Gena Bosa	21,816	23,388	3,165	108,973	44
Loma	31,809	24,442	340	134,621	42
Tocha	21,555	12,526	75	123,156	28
Esera	26,391	5,737	205	77,963	41
Maraka	77,093	9,293	20	136,978	63
Yem Special Woreda	35,870	4,837	0	93,083	44
Konta Special Woreda	4,692	23,750	670	105,691	28
Shaka	71,117	9,569	1,730	211,271	39
Andracha	4,610	3,674	230	27,353	31
Masha	12,270	1,510	1,500	43,540	35
Yeki	54,237	4,385	0	140,378	42
Sidama	723,014	567,668	100,750	3,572,433	39
Arbegona	46,287	3,320	0	165,237	30
Aroresa	40,376	11,812	98	214,053	24
Bensa	45,469	23,583	0	306,039	23
Dale	80,799	38,844	0	271,704	44
Dara	77,022	4,030	370	185,056	44
Hula	51,242	1,879	0	157,220	34
Shebedino	21,470	105,925	0	284,222	45
Bursa	43,311	1,680	19,844	129,672	50
Bona Zuria	38,470	21,336	320	147,453	41
Aleta Wondo	65,532	0	0	213,570	31
Wonsho	35,773	0	0	112,136	32
Aletachuko	21,428	26,416	50,137	206,845	47

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Hawassa Zuriya	50	55,644	0	159,294	35
Malga	34,907	12,141	3,480	135,367	37
Wendo Genet	29,217	40,542	2,880	169,683	43
Gorche	71,022	3,959	0	131,157	57
Loko Abaya	3,077	68,135	0	125,639	57
Boricha	1,750	92,954	23,460	306,958	38
Chire	15,812	55,468	161	151,128	47
South Omo	152,982	85,372	4,045	678,561	36
Hamer	16,320	1,830	1,000	72,125	27
Salamago	12,580	4,370	0	34,084	50
Debub Ari	58,725	14,717	22	229,818	32
Dasenech	16,990	2,330	0	64,432	30
Nyangatom	2,538	3,798	0	22,575	28
Semen Ari	22,558	6,867	145	83,282	36
Malle	4,870	44,118	2,878	107,216	48
Bena Tsemay	18,401	7,342	0	65,029	40
Wolayita	192,975	241,064	18,493	1,700,252	27
Bolosore Sore	29,375	18,055	30	213,157	22
Damotgale	25,586	17,998	131	162,457	27
Damot Weyde	4,803	14,775	452	110,441	18
Humbo	7,323	42,695	55	152,538	33
Kindo Koisha	7,640	45,000	3,780	125,381	45
Ofa	14,299	20,385	0	125,982	28
Sodo Zuria	30,196	15,403	12,701	208,202	28
Damot Sore	21,346	13,334	0	121,010	29
Damotpulasa	27,456	10,117	1,125	127,732	30
Kindo Didaye	7,749	21,257	14	123,033	24
Duguna Fango	5,325	10,498	10	119,112	13
Bolosobombe	11,877	11,547	195	111,207	21
Gamo Gofa	315,250	477,163	26,383	1,837,271	45
Bonke	18,002	50,540	2	195,471	35
Boreda	12,326	32,178	0	83,439	53
Chencha	47,068	32,631	250	125,898	64
Deremalo	19,148	29,883	0	99,572	49
Dita	13,130	35,295	0	103,676	47
Kemba	27,688	63,266	927	193,598	47
Melo Koza	13,860	41,680	405	149,884	37
Ubadebretsehay	2,168	15,297	1,299	82,769	23

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Zala	4,060	36,156	7,750	92,439	52
Geze Gofa	20,050	27,230	0	80,506	59
Qucha	20,704	25,315	0	184,493	25
Arbaminch Zuriya	75,750	21,973	2,992	210,555	48
Oyida	5,850	8,360	7,458	42,629	51
Mirab Abaya	13,476	29,399	5,000	88,472	54
Denba Gofa	21,970	27,960	300	103,870	48
Gedeo	206,091	87,339	15,971	946,568	33
Bule	32,687	12,330	1,320	127,575	36
Kochore	25,629	11,152	4,716	153,416	27
Wonago	49,006	4,260	20	138,788	38
Yirga Chefe	41,132	16,064	9,000	230,530	29
Gedeb	26,360	15,969	840	170,282	25
Dilla Zuria	31,277	27,564	75	125,977	47
Guraghe	224,988	237,787	72,236	1,484,254	36
Cheha	23,678	10,172	15,462	136,878	36
Endegagn	6,000	4,500	6,000	61,944	27
Enemor Ena Ener	7,160	26,250	22,000	206,262	27
Ezha	4,450	36,227	2,859	103,906	42
Gumer	19,080	29,310	392	98,864	49
Kokir Gedebano Gutazar Welene	25,541	9,347	375	117,158	30
Mareko	13,339	11,320	0	73,755	33
Sodo	13,658	57,317	11,463	154,802	53
Abashige	16,424	8,600	0	78,610	32
Meskan	51,565	14,100	3,880	184,785	38
Mihurinaaklili	26,863	8,644	2,055	111,376	34
Kabena	7,030	6,000	4,500	67,032	26
Geta	10,200	16,000	3,250	88,882	33
Hadiya	134,286	355,699	61,445	1,404,073	39
Limu	9,267	34,647	18,751	149,148	42
Misha	10,982	54,873	9,395	155,331	48
Soro	7,246	106,110	17,654	220,081	60
Analememo	9,545	6,450	0	89,048	18
Gibe	7,520	25,840	0	133,337	25
Shashego	43,294	16,805	16	122,219	49
Duna	9,723	61,078	13,619	148,847	57
Misrak Badowoch	14,890	25,396	0	162,792	25
Merab Badawacho	14,209	11,850	0	104,073	25

Region / Zone / Woreda	On spot users	PT users	YC&HC users	woreda population	Water supply coverage
Gembora	7,610	12,650	2,010	119,197	19
Kaffa	330,001	31,856	318	1,036,177	35
Bitu	42,103	0	0	91,924	46
Chena	58,827	4,900	0	187,892	34
Cheta	17,447	2,760	0	39,866	51
Decha	56,217	6,505	48	157,955	40
Gesha Deka	44,112	4,190	45	104,516	46
Gewata	21,557	5,606	45	90,904	30
Gimbo	18,120	6,225	180	102,739	24
Saylem	12,070	0	0	49,716	24
Telo	17,941	0	0	76,456	23
Adiyo	41,607	1,670	0	134,209	32
Kembata Tembaro	81,484	235,039	22,261	746,139	45
Kachabira	15,030	53,793	485	125,208	55
Kedida Gamella	11,377	39,397	371	108,435	47
Angecha	15,050	14,000	4,000	103,997	32
Tembaro	10,077	47,249	505	125,359	46
Doyogena	15,310	26,000	6,000	92,029	51
Damboya	4,760	22,400	2,100	95,341	31
Hadaro Tunto	9,880	32,200	8,800	95,770	53
Silite	67,363	180,857	28,245	900,032	31
Lanfuro	11,555	33,225	1,660	132,668	35
Silti	15,440	54,000	12,000	206,118	40
Halicho Wiriroo	14,440	6,000	335	117,347	18
Miereb Azernet Berbere	16,029	18,532	3,730	69,429	55
Hulbareg	540	10,000	9,500	99,540	20
Misrak Azernet	7,859	10,958	20	64,930	29
Sankura	0	25,142	0	103,762	24
Dallocha	1,500	23,000	1,000	106,238	24
Segen Akababi Hizboch	146,083	128,929	6,885	701,768	40
Konso	78,573	22,899	1,453	262,660	39
Alle	7,837	29,317	149	84,360	44
Burji	2,757	7,991	376	63,227	18
Amaro	44,472	24,806	4,756	179,930	41
Dirashe	12,444	43,916	151	111,591	51
Alaba Special	150	19,682	69,968	262,935	34

1.8 Oromia Region Rural water supply coverage at various levels

Region / Zone / Woreda	On spot users	PT users	YC&HC users	Woreda population	Water supply coverage
Oromia	9,623,277	3,754,551	498,516	28,973,673	48
Arsi	394,722	802,919	60,381	2,889,280	44
Amigna	7,915	49,113	0	89,153	64
Aseko	26,145	15,095	2,637	106,903	41
Chole	17,688	15,352	663	110,132	31
Gololcha	28,742	22,259	7,324	132,111	44
Jeju	19,334	39,556	2,085	138,838	44
Merti	1,803	18,785	13,925	101,072	34
Robe	13,885	61,321	0	192,836	39
Seru	13,940	16,514	0	59,713	51
Shirka	3,285	131,905	6,145	201,907	70
Sude	13,975	26,469	165	193,375	21
Tena	3,590	25,195	9,352	79,988	48
Tiyo	5,700	37,340	2,993	107,053	43
Lemu Na Bilbilo	31,591	70,793	490	209,947	49
Zewaydugda	25,119	43,856	4,140	134,530	54
Guna	22,795	25,805	360	94,472	52
Honkolo Wabe	12,735	7,635	1,370	69,058	31
Sire	4,783	52,156	2,453	91,089	65
Digalu Na Tijo	12,325	28,531	325	168,627	24
Shanen Kolu	29,877	26,207	1,141	92,978	62
Diksis	15,630	18,075	556	100,231	34
Munesa	55,967	13,418	1,777	201,959	35
Bele Gesigar	8,014	39,191	0	90,779	52
Lodehitosa	19,884	18,348	2,480	122,529	33
Bale	232,662	329,843	76,427	1,585,339	40
Agarfa	58,531	0	0	119,017	49
Berbere	6,713	20,714	23,395	113,398	45
Gasera	2,983	38,161	0	97,963	42
Ginir	3,700	41,309	180	95,763	47
Goba	3,312	26,145	995	54,379	56
Gololcha	29,532	42,822	2,956	126,758	59
Goro	16,775	24,000	40	99,500	41
Meda Welabu	39,592	19,100	0	126,142	47
Rayitu	1,000	8,195	0	39,980	23
Seweyna	410	28,576	425	82,817	36

Region / Zone / Woreda	On spot users	PT users	YC&HC users	Woreda population	Water supply coverage
Sinana	668	14,040	46,893	158,231	39
Legahida	17,260	10,984	11	80,727	35
Dinsho	3,824	20,420	360	48,243	51
Arena Buluk	24,652	2,703	0	102,206	27
Dawe Kachin	1,208	8,218	252	40,235	24
Delo Mena	22,422	5,879	0	105,417	27
Gura Damole	0	16,257	920	36,947	46
Dawe Serer	80	2,320	0	57,616	4
Borena	43,684	142,620	10,460	515,520	38
Arero	2,600	12,332	0	42,662	35
Dire	1,772	19,000	180	40,745	51
Moyale	831	10,582	0	38,043	30
Teltele	1,761	28,283	6,800	66,988	55
El Waye	3,300	8,810	1,200	30,263	44
Miyo	10,393	8,818	280	48,028	41
Dhasi	10,130	100	600	25,839	42
Yabalo	6,055	17,490	0	57,986	41
Wachile	300	9,788	0	28,823	35
Gomole	4,652	8,745	400	67,587	20
Guchi	530	3,887	0	22,086	20
Dubluk	1,360	6,305	888	30,327	28
Dilo	0	8,480	112	16,143	53
East Shewa	271,143	240,957	15,621	1,360,099	39
Adama	540	40,174	3,205	157,313	28
Boset	4,000	50,514	3,605	154,234	38
Fentale	18,486	19,295	630	81,679	47
Gimbichu	31,461	21,439	1,460	107,501	51
Adea	38,280	27,242	2,925	184,631	37
Dugda	18,077	28,809	954	144,974	33
Liben Chukala	33,425	3,675	125	97,960	38
Akeki	4,674	5,561	414	82,691	13
Lume	36,360	17,851	120	104,482	52
Bora	4,778	14,930	350	63,169	32
Adamitulu	81,062	11,467	1,833	181,465	52
East Wellega	733,687	29,090	6,247	1,432,012	54
Diga	45,800	103	0	104,209	44
Limu	51,358	1,506	0	91,145	58
Nunu Kumba	48,655	0	0	79,964	61

Region / Zone / Woreda	On spot users	PT users	YC&HC users	Woreda population	Water supply coverage
Sasiga	83,954	3,750	325	104,391	84
Sibu Sire	62,237	1,764	1,045	122,729	53
Gobu Seyo	27,963	3,000	0	48,379	64
Leka Dulecha	54,140	0	0	90,729	60
Gudaya Bila	23,327	0	0	65,262	36
Jima Arjo	66,914	0	0	102,945	65
Wama Hagelo	21,401	1,250	0	65,514	35
Haro Limu	32,785	4,454	3,520	70,857	58
Ebantu	13,512	2,598	170	47,356	34
Gida Ayana	63,567	0	0	104,209	61
Gutogida	32,551	600	0	119,955	28
Bonayaboshe	31,612	0	0	60,267	52
Kiramu	28,160	5,270	312	69,805	48
Wayu Tuqa	45,751	4,795	875	84,296	61
Illubabor	411,614	14,946	24,577	814,926	55
Bure	12,540	5,012	21,790	60,526	65
Darimu	95,249	2,783	85	187,892	52
Didu	26,239	520	1,152	41,996	66
Alge Sachi	37,739	0	0	92,404	41
Doranni	12,944	0	0	48,973	26
Halu	14,801	0	0	20,275	73
Hurumu	36,230	1,105	330	50,898	74
Yayo	37,644	1,637	0	60,432	65
Bilo Nopa	27,643	0	0	35,756	77
Mettu	54,929	1,280	0	82,661	68
Alle	25,878	2,609	1,220	57,537	52
Bacho	11,993	0	0	47,346	25
Nono Sele	17,785	0	0	28,230	63
Jimma	1,496,162	88,566	45,320	3,095,989	53
Dedo	57,339	1,806	1,200	196,818	31
Gera	82,790	3,990	7,370	143,628	66
Kersa	69,367	740	0	213,429	33
Limu Kosa	130,465	9,000	1,265	195,459	72
Limu Seka	67,714	395	235	128,955	53
Mana	124,417	8,157	12,920	189,836	77
Seka Chekorsa	129,480	186	1,717	268,269	49
Setema	38,896	0	12	131,411	30
Sigimo	63,941	17,095	2,350	115,813	72

Region / Zone / Woreda	On spot users	PT users	YC&HC users	Woreda population	Water supply coverage
Nono Benja	39,203	0	0	79,492	49
Shebe Sonbo	92,970	1,080	0	142,499	66
Tiroafeta	69,334	14,574	7,541	152,464	60
Omo Nada	132,601	1,579	3,020	190,555	72
Omo Beyam	45,762	80	176	124,266	37
Mencho	69,953	0	0	180,370	39
Boter Tolay	18,983	5,495	400	61,579	40
Gumay	51,918	0	0	73,677	70
Sokoru	71,903	10,066	0	164,905	50
Cora Botar	25,012	620	60	75,380	34
Gomma	114,114	13,703	7,054	267,184	50
North Shewa (K4)	706,569	102,984	4,715	1,410,331	58
Kuyu	48,425	22,458	0	134,997	53
Wara Jarso	81,556	1,515	449	174,643	48
Hidebu Abote	8,716	22,728	1,081	102,200	32
Jida	58,779	1,358	0	71,592	84
Wuchale	92,361	3,667	0	121,552	79
Darra	158,260	2,287	1,265	231,160	70
Debre Libanos	18,471	4,339	15	48,331	47
Aleltu	14,464	5,905	0	66,128	31
Dagam	41,529	7,450	520	124,186	40
Girar Jarso	23,320	16,709	735	89,809	45
Abichu And Gnea Woreda	74,426	4,037	0	92,482	85
Yaya Gulele	40,504	9,553	250	69,893	72
Kimbibit	45,758	978	400	83,358	57
West Harerghe	562,366	526,921	42,468	2,260,405	50
Boke	0	106,203	20	131,356	81
Chiro	42,755	67,604	5,735	226,701	51
Doba	31,075	26,715	1,504	174,339	34
Habro	56,921	81,720	11,791	220,443	68
Mesela	81,094	19,719	1,250	196,275	52
Mieso	6,253	40,416	743	97,942	48
Tulo	100,494	13,556	45	178,274	64
Ancar	31,832	17,787	1,650	100,274	51
Oda Bultum	108,312	21,409	3,325	211,184	63
Guba Koricha	8,384	21,704	8,610	129,228	30
Gemechis	30,801	35,931	770	226,358	30

Region / Zone / Woreda	On spot users	PT users	YC&HC users	Woreda population	Water supply coverage
Daro Labu	59,825	20,474	1,210	159,821	51
Gumbi Boredede	0	26,709	3,035	84,090	35
Burka Dhintu	370	9,820	280	57,732	18
Hawi Gudina	4,250	17,154	2,500	66,388	36
West Shewa	809,802	133,681	53,650	2,286,535	44
Bako Tibe	45,957	8,290	21,400	133,663	57
Cheliya	31,606	13,369	0	85,878	52
Dano	31,248	2,337	0	121,643	28
Dendi	48,003	860	0	148,070	33
Jeldu	99,349	0	0	187,451	53
Meta Robi	24,710	3,331	622	100,273	29
Nono	28,841	6,072	5,447	107,664	37
Toke Kutaye	25,609	6,555	1,003	100,505	33
Ilu Galan	31,284	5,610	0	68,993	53
Ambo Zuriyai	64,597	14,905	350	133,086	60
Elfeta	24,765	13,532	1,840	74,037	54
Dire Inchini	22,374	7,595	160	89,472	34
Medakegn	32,632	1,382	110	103,405	33
Jawi Liban	13,231	15,910	4,465	71,452	47
Adea Berga	39,146	1,751	0	139,712	29
Ejere	41,012	7,957	16,900	66,369	99
Cobi	30,028	3,317	483	63,826	53
Gindeberet	61,627	4,500	0	124,767	53
Abuna Gindeberet	43,295	5,290	0	142,188	34
Ejersa Lafo	26,120	4,137	50	66,369	46
Jibat	13,445	6,981	820	75,730	28
Meta Walkite	30,923	0	0	81,982	38
West Wellega	883,901	55,322	6,335	1,592,157	59
Begi	98,907	959	100	149,202	67
Ganji	63,989	0	0	75,281	85
Gimbi	30,815	1,775	1,620	101,040	34
Haru	33,823	2,019	38	83,245	43
Jarso	42,338	2,507	2,000	59,955	78
Lalo Asabi	31,030	32,467	0	87,010	73
Mana Sibu	101,301	0	0	144,715	70
Nejo	37,740	2,536	457	85,735	48
Nole Kaba	21,158	200	0	73,022	29
Homa	24,344	3,449	0	29,450	94

Region / Zone / Woreda	On spot users	PT users	YC&HC users	Woreda population	Water supply coverage
Boji Chokorsa	23,257	0	0	63,232	37
Bojidimaji	23,171	3,759	319	47,394	57
Kiltu Kara	28,631	0	0	59,042	48
Leta Sibu	19,869	3,739	466	45,290	53
Seyo Nole	91,426	0	0	98,307	93
Ayira	16,238	1,835	0	58,750	31
Guliso	52,933	0	0	82,707	64
Babo Gambel	57,695	77	1,335	75,779	78
Yubdo	14,405	0	0	48,737	30
Kondala	70,831	0	0	124,264	57
Mirab Arsi	778,060	275,789	25,849	2,299,692	47
Dodola	97,072	31,592	1,752	200,640	65
Kore	77,413	0	1	131,209	59
Nensebo	20,757	14,202	5,450	144,751	28
Adaba	33,448	30,049	0	168,937	38
Kofale	133,797	2,915	0	207,140	66
Kokossa	99,936	0	0	188,559	53
Shashemane	97,233	44,724	0	249,048	57
Heben Arsi	2,636	36,980	0	67,147	59
Shala	48,454	27,182	47	184,593	41
Arsi Negele	4,537	39,297	16,880	239,793	25
Wendo	74,965	0	0	108,645	69
Siraro	7,700	44,675	1,719	187,428	29
Gadeb Asesa	80,112	4,173	0	221,802	38
Oromia Zone	160,615	47,445	9,805	490,039	44
Sabata Hawas	21,230	33,941	6,515	93,473	66
Sululta	41,628	2,830	185	151,908	29
Mulo	16,955	4,680	3,105	43,819	56
Berak	21,622	3,054	0	93,473	26
Walmara	59,180	2,940	0	107,366	58
Guji	303,402	216,426	3,530	1,231,925	42
Dama	42,109	1,500	0	82,281	53
Liben	13,678	13,506	0	88,136	31
Odo Shakiso	13,670	28,311	0	127,277	33
Adola	16,706	61,103	0	146,810	53
Uraga	29,690	40,544	300	133,083	53
Wadara	14,990	16,935	480	61,141	53
Bore	50,989	4,192	250	137,714	40

Region / Zone / Woreda	On spot users	PT users	YC&HC users	Woreda population	Water supply coverage
Anasora	22,594	8,243	0	118,066	26
Gereja	15,327	0	2,500	65,647	27
Haro Welabu	47,100	0	0	88,868	53
Goro Dola	160	42,092	0	79,720	53
Aga Wayu	20,053	0	0	37,836	53
Seba Boru	16,336	0	0	65,346	25
Misrak Haraghe	951,054	478,606	64,011	3,316,005	45
Gursum	65,546	9,550	20	186,635	40
Midaga Tola	11,436	9,502	0	92,311	23
Deder	130,212	28,526	7,750	282,182	59
Haremaya	80,117	8,900	0	279,646	32
Girawa	36,935	40,090	11,920	312,582	28
Meta	31,307	33,449	345	208,760	31
Golo Oda	4,061	59,743	6,460	101,523	69
Kombolcha	109,482	6,164	0	170,067	68
Jarso	17,363	9,918	465	150,378	18
Melka Belo	37,580	54,083	3,830	224,249	43
Babile	51,722	3,905	5	99,342	56
Goro Muti	9,775	34,685	15,000	107,547	55
Fedis	8,805	34,629	1,120	144,809	31
Chinaksen	49,959	25,157	0	99,803	75
Bedeno	79,584	23,169	10,715	306,669	37
Kersa	109,868	50,657	3,100	212,714	77
Gorogutu	91,129	11,226	1,237	178,606	58
Kurfa Chele	4,752	23,466	45	70,630	40
Meyu Muluke	16,492	6,767	1,999	57,404	44
Kumbi	4,929	5,020	0	30,148	33
Buno Bedele	292,099	4,918	1,650	642,212	47
Gechi	32,217	1,370	0	86,773	39
Borecha	25,543	0	0	94,706	27
Didessa	28,522	528	1,500	105,777	29
Dabo Hana	32,214	965	0	49,521	67
Chora	60,418	2,055	150	123,804	51
Bedele Zuriya	63,878	0	0	103,652	62
Makko	12,846	0	0	29,354	44
Dega	36,461	0	0	48,625	75
Horo Guduru Wollega	254,042	103,762	12,833	675,721	55
Hababoguduru	17,760	12,838	355	57,320	54

Region / Zone / Woreda	On spot users	PT users	YC&HC users	Woreda population	Water supply coverage
Abedongoro	32,968	11,829	9,430	86,055	63
Amuru	36,451	24,629	375	65,233	94
Jimmagenate	29,282	10,825	336	76,307	53
Guduru	30,249	7,982	225	76,085	51
Jardaga Jarte	17,280	12,616	1,350	58,954	53
Abaychoman	16,312	1,280	10	51,869	34
Jimarare	28,972	5,260	0	62,638	55
Chemon Guduru	8,460	3,625	162	46,103	27
Horo	22,667	8,222	510	46,286	68
Horo Buluk	13,641	4,656	80	48,871	38
Dehub Mirab Shewa	337,693	159,756	34,637	1,075,486	49
Dawo	18,721	7,803	24	91,976	29
Ameya	49,544	19,550	6,256	154,502	49
Bacho	53,728	7,014	900	79,440	78
Saden Soddo	30,286	22,430	1,178	99,117	54
Ilu	32,339	1,375	0	54,706	62
Woliso	54,066	3,812	25	183,676	32
Wenchi	28,825	25,566	10,965	122,374	53
Goro	19,087	340	0	55,733	35
Tole	27,363	20,669	0	80,054	60
Kersa Malima	23,734	28,284	13,214	99,372	66
Sodo Dachi	0	22,913	2,075	54,536	46

Annex 2 Urban water supply coverage at various levels

2.1 Afar Region Urban water supply coverage at various levels

Indicator	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage (%)
Afar	15,376	54,219	114,647	26,936	211,178	387,141	55
Zone 1	9,036	20,867	57,387	17,432	104,722	184,921	57
Afambo	0	1,100	0	0	1,100	3,258	34
Chifera	0		5,130	2,850	7,980	18,059	44
Dubti	0	0	34,662	14,532	49,194	65,077	76
Elidar	8,501	0	0	0	8,501	19,256	44
Mile	0	13,840	695	0	14,535	28,062	52
Aysayita	0	100	15,000	0	15,100	31,695	48
Kori	0	4,000	0	0	4,000	4,814	83
Adear	535	1,827	1,900	50	4,312	14,700	29
Zone 2	6,340	8,004	10,461	7,134	31,939	51,888	62
AAfdera	350	1,992	0	400	2,742	7,103	39
EErebt	1,670	1,580	0	445	3,695	5,771	64
Megale	600	1,450	461	289	2,800	3,500	80
KKuneba	450	300	0	2,250	3,000	3,719	81
BBerehale	1,850	150	0	2,425	4,425	8,159	54
DDalol	1,060	42	0	650	1,752	3,485	50
Bidu	360	1,760	0	425	2,545	5,234	49
AAbeala	0	730	10,000	250	10,980	14,917	74
Zone 3	0	15,624	33,990	2,370	51,984	107,365	48
AAmibara	0	431	11,340	1,695	13,466	55,657	24
GGeewane	0	3,600	4,000	675	8,275	11,827	70
AAgoba Liyu	0	1,900	600	0	2,500	4,277	58
Dulesa	0	90	1,350	0	1,440	2,350	61
AAwash Ketema Astedader	0	9,603	16,700	0	26,303	33,254	79
Zone 4	0	2,834	5,894	0	8,728	18,682	47
Ewa	0	150	1,360	0	1,510	2,445	62
Teru	0	1,480	5	0	1,485	3,642	41
Yalo	0	185	150	0	335	1,563	21
Golina	0	719	3,334	0	4,053	7,764	52
Awra	0	300	1,045	0	1,345	3,268	41
Zone_5	0	6,890	6,915	0	13,805	24,285	57
Telalak	0	1,430	1,150	0	2,580	3,855	67
Hadele'Ela	0	570	1,750	0	2,320	4,194	55
Semurobi	0	0	1,090	0	1,090	1,846	59
Dalifage	0	2,765	1,800	0	4,565	9,880	46
Dewe	0	2,125	1,125	0	3,250	4,510	72

2.2 Amhara Region Urban water supply coverage at various levels

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population	Urban water supply coverage (%)
Amhara	101,245	570,578	1,376,372	535,349	2,583,516	3,933,783	66
Awi	18,956	29,731	113,527	20,059	182,273	230,348	79
Ankesha Guagusa	0	930	7,570	1,000	9,500	19,881	48
Banja Shigudad	255	1,970	732	0	2,957	3,128	95
Fagita Lekoma	0	200	9,500	1,000	10,700	17,188	62
Guangua	0	2,160	4,440	108	6,708	8,129	83
Zigem	0	2,755	2,570	110	5,435	7,754	70
Chagini	8,480	6,154	18,176	6,070	38,880	44,689	87
Guagusashekudad	0	650	10,000	600	11,250	21,383	53
Ayehu Guagusa	390	4,995	3,750	456	9,591	9,891	97
Jawi	300	945	16,785	270	18,300	20,182	91
Dangla Ketema Astedader	6,120	7,758	20,004	3,005	36,887	37,287	99
Enjibara Ketema Astedader	3,411	1,214	20,000	7,440	32,065	40,836	79
Bar Dar Sp. Zone	16,192	14,980	166,405	51,265	248,842	296,532	84
East Gojam	30,594	47,399	125,341	79,111	282,445	438,682	64
Awabel	0	2,990	5,279	150	8,419	24,807	34
Bibugn	817	60	8,390	240	9,507	12,472	76
Debay Tilat Gin	0	4,160	1,748	50	5,958	7,530	79
Enarji Ena Enawuga	19,500	2,950	10,310	2,650	35,410	40,288	88
Enemay	240	1,360	2,356	64	4,020	4,253	95
Goncha Siso Enese	0	2,640	7,216	16	9,872	11,689	84
Gozamen	0	1,487	1,060	0	2,547	5,054	50
Hulet Eju Enese	0	0	2,700	105	2,805	3,328	84
Machakel	0	2,180	8,735	265	11,180	16,346	68
Shebel Berenta	2,000	80	5	5	2,090	12,520	17
Sinan	180	7,475	0	0	7,655	13,262	58
Baso_Liben	0	892	4,297	573	5,762	12,793	45
Debre Elias	0	3,790	8,605	770	13,165	16,908	78
Sede	1,250	0	0	0	1,250	5,266	24
Aneded	0	2,438	675	10	3,123	3,436	91
Enebsie Sar Midir	432	432	10,000	180	11,044	30,255	37
Debre Markos	4,445	3,000	25,900	68,023	101,368	125,634	81
Bichena Ketema Astedader	1,730	2,415	10,000	4,975	19,120	25,911	74

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population	Urban water supply coverage (%)
Mota Ketema Astedader	0	8,050	8,065	125	16,240	47,248	34
Dejen Ketema Astedader	0	1,000	10,000	910	11,910	19,682	61
North Gonder	1,860	31,492	31,695	3,320	68,367	98,280	70
Beyeda	1,200	7,200	45	0	8,445	8,618	98
Dabat	0	2,554	2,515		5,069	5,744	88
Janamora	0	990	8,050		9,040	9,624	94
Adi Arkay	660	10,641	3,260	210	14,771	22,389	66
Dabat Ketema Astedader	0	7,480	10,040	2,725	20,245	22,206	91
Debark City Administration	0	2,627	7,785	385	10,797	29,699	36
North Wollo	5,039	42,512	173,453	18,786	239,788	282,492	85
Gidan	160	1,190	5,070	0	6,420	7,755	83
Gubalafto	0	660	7,558		8,218	10,124	81
Raya Kobo	0	7,020	5,663	332	13,015	15,740	83
Meket	214	6,694	10,000	340	17,248	27,451	63
Wadila	0	220	6,136		6,354	7,858	81
Lasta	150	374	4,271	5	4,800	5,401	89
Habiru	0	3,255	6,610	135	10,000	11,590	86
Mersa Ketema Astedader	0	13,050	11,277	6,100	30,427	34,328	89
Weldiya Ketema Astedader	240	6,960	56,085	11,874	75,159	83,806	90
Kobo Ketema	0	863	39,004	0	39,867	47,113	85
Lalibela Ketema Astedader	4,275	2,226	21,779	0	28,280	31,326	90
South Gonder	1,355	51,051	110,587	28,225	191,218	311,318	61
Debre Tabor	0	220	9,575	8,350	18,145	60,563	30
Dera	640	9,880	16,465	12	26,997	28,632	94
Ebinat	160	5,780	15,651	522	22,113	23,854	93
Estie	0	1,275	12,271	900	14,446	27,790	52
Farta	0	8,250	7,500	10	15,760	40,493	39
Fogera	160	2,245	1,995	600	5,000	8,841	57
Simada	0	4,050	12,775	770	17,595	17,935	98
Tachgayint	0	4,275	3,255	12	7,542	13,325	57
Andabet	75	2,565	1,570	125	4,335	5,216	83
Libokemkem	250	1,870	7,221	810	10,151	11,736	86
Guna Begie Midir	60	240	4,050	35	4,385	9,550	46

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population	Urban water supply coverage (%)
Nifas Mewcha	0	5,575	11,000	7,460	24,035	31,709	76
Addis Zemen	10	4,826	7,259	8,619	20,714	31,674	65
South Wollo	2,757	42,469	117,714	82,762	245,702	326,791	75
Ambasel	0	3,625	6,630	0	10,255	10,381	99
Jama	0	103	1,862	4,309	6,274	15,031	42
Kalu	1,234	1,115	10,018	16,203	28,570	40,344	71
Kelala	0	7,395	9,440	0	16,835	16,865	100
Kutaber	0	720	8,460	212	9,392	9,630	98
Legambo	102	959	3,225	0	4,286	13,154	33
Mekdela	320	1,118	6,665	685	8,788	11,612	76
Tehuledere	0	3,330	0	0	3,330	3,522	95
Teneta	0	5,180	11,064	228	16,472	17,085	96
Wogdie	0	3,191	1,755	0	4,946	7,479	66
Wereilu	85	492	1,800	24	2,401	3,298	73
Legehida	0	1,260	675	0	1,935	5,076	38
Albuko	496	1,800	4,218	340	6,854	6,945	99
Delanta	120	900	6,500	15	7,535	11,623	65
Werebabo	0	3,450	0	0	3,450	13,388	26
Saynt Adjibar	0	2,990	6,010	0	9,000	10,769	84
Kombolcha Ketema Astedader	0	150	30,932	60,746	91,828	116,404	79
Mekane Selam Ketema Astedader	400	600	0	0	1,000	1,014	99
Wereilu Ketema Astedader	0	4,091	8,460	0	12,551	13,171	95
Wag Hemira	8,015	9,906	3,560	284	21,765	53,557	41
Dehana	0	3,228	1,004	0	4,232	7,774	54
Zikuala	415	3,798	0	0	4,213	6,206	68
Sekota Ketema Astedader	7,600	2,880	2,556	284	13,320	39,577	34
West Gojam	1,601	95,525	67,874	46,556	211,556	396,875	53
Dega Damot	0	5,280	0	0	5,280	17,975	29
Dembecha	0	5,220	2,710	65	7,995	8,141	98
Jebitehnan	0	19,795	1,280	740	21,815	39,938	55
Quarit	0	3,825	3,322	114	7,261	15,823	46
Sekela	1,441	4,440	3,276	160	9,317	14,474	64
Debub Achefer	160	4,320	16,902	2,783	24,165	25,298	96
Semen Achefer	0	11,365	7,600	755	19,720	32,516	61
Burie Zuria	0	7,200	2,856	1,320	11,376	11,640	98

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population	Urban water supply coverage (%)
Womberma	0	144	5,453	433	6,030	21,384	28
Semen Mecha	0	3,173	4,275	0	7,448	8,092	92
Adet Town Administration	0	2,240	10,000	588	12,828	50,359	25
Burie Ketema Astedader	0	5,580	0	500	6,080	42,421	14
Merawi Ketema Astedader	0	13,225		280	13,505	37,164	36
Finoteselam Ketema Astedader	0	4,715	200	37,753	42,668	48,957	87
Dembecha Ketema Astedader	0	5,003	10,000	1,065	16,068	22,693	71
North Shewa (K3)	2,531	64,566	160,197	56,307	283,601	436,757	65
Geshe	0	1,275	2,836	62	4,173	4,527	92
Merehabetie	320	4,032	0	0	4,352	5,629	77
Berehet	0	2,505	5,270	75	7,850	8,335	94
Tarmaber	0	1,430	12,420	750	14,600	23,054	63
Efratana Gidim	0	1,330	1,655	25	3,010	7,663	39
Ensaro	0	2,700	1,332		4,032	4,075	99
Mida Woremo	5	3,742	5,475	25	9,247	11,569	80
Moretna Jiru	0	9,805	4,391	0	14,196	15,097	94
Antsokia Gemza	756	2,575	7,650	2,000	12,981	24,270	53
Ankober	0	2,273	4,344	0	6,617	10,714	62
Menz Keya Gebrael	0	5,175	0	0	5,175	9,901	52
Menz Mama Midir	0	990	5,152	0	6,142	13,415	46
Hagere Maryam Kesem	0	340	2,520	0	2,860	4,152	69
Mojana Wedera	0	243	5,845	300	6,388	8,020	80
Angolelanatera	0	5,110	5,392	335	10,837	11,946	91
Asagrt	0	1,650	818	75	2,543	2,636	96
Saya Debirna Wayu	0	293	5,080	375	5,748	7,673	75
Minjar Shonkora	0	660	11,027	225	11,912	37,024	32
Debre Birhan	1,450	7,120	43,522	37,860	89,952	120,739	75
Alemketema Town Administration	0	2,354	8,068	250	10,672	21,784	49
Shewarobit	0	6,912	13,600	0	20,512	34,917	59
Mehalmeda	0	977	9,400	1,180	11,557	25,453	45
Ataye Town Administration	0	1,075	4,400	12,770	18,245	24,164	76

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population	Urban water supply coverage (%)
Maekelawi Gonder	9,945	53,273	67,071	19,803	150,092	261,389	57
Alefa	552	7,512	2,418	0	10,482	27,835	38
Mirabbelesa	0	1,650	2,076	0	3,726	4,061	92
Tachi Armachiho	2,875	2,595	5,690	3,138	14,298	32,886	43
Gonder Zuriya	180	4,050	16,872	9,982	31,084	31,273	99
Takusa	1,900	2,280	6,210	841	11,231	23,991	47
Misrak Dembiya	0	3,065	8,335	3,085	14,485	25,831	56
Mirabdembiya	640	12,640	1,391	176	14,847	15,410	96
Lay Armachiho	0	4,420	10,000	1,500	15,920	25,393	63
Wogera	0	7,821	5,299	215	13,335	39,844	33
Misrakbelesa	1,883	3,305	8,615	5	13,808	25,549	54
Tegedie	1,915	3,935	165	861	6,876	9,316	74
Mirab Gonder	2,400	32,185	16,645	2,585	53,785	102,938	52
Quara	2,400	2,560	3,570	515	9,045	9,988	91
Metema	0	4,500	11,390	820	16,710	20,001	84
Merab Armachiho	0	8,625	1,255	0	9,880	34,797	28
Gendewuha Ketema	0	6,900	30	1,230	8,130	27,794	29
Midre Genet Ketema Astedader	0	9,600	400	20	10,020	10,358	97
Dessie Town Administration	0	18,144	128,250	28,408	174,802	210,366	83
Dessie Town Adminstration	0	18,144	128,250	28,408	174,802	210,366	83
Gondar Ketema Liyu Zone	0	18,336	74,413	68,761	161,510	390,644	41
Gondar Ketema Liyu Zone	0	18,336	74,413	68,761	161,510	390,644	41
Oromiya Zone	0	19,009	19,640	29,117	67,770	96,814	70
Jile Timuga	0	1,800	6,020	375	8,198	8,411	97
Dewa Chefa	0	2,875	1,647	64	4,586	6,168	74
Arituma Fursi	0	4,500	3,718	0	8,218	8,360	98
Dewe Harawa	0	2,140	125	0	2,265	4,267	53
Bati Ketema Astedader	0	4,500	4,215	486	9,202	28,198	33
Kemisse	0	3,194	3,915	28,192	35,301	41,410	85

2.3 Benishangul Gumuz Region urban water supply coverage at various levels

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage (%)
Benshangul-Gumaz	19,993	36,307	50,422	10,571	117,293	243,999	48
Asosa	4,023	10,916	29,734	9,486	54,159	92,037	59
Bambasi	493	1,370	4	5,076	6,943	21,068	33
Kurmuk	965	0	0	0	965	1,274	76
Menge	0	0	2,520	18	2,538	2,535	100
Sherqole	980	0	0	0	980	2,079	47
Odda Buldgilu	785	3,080	0	0	3,865	7,290	53
Assosa	0	5,616	27,210	4,392	37,218	55,775	67
Homosha	800	850		0	1,650	2,016	82
Kemashi	8,824	8,486	350	0	17,660	34,306	51
Sedal	1,414	0	0	0	1,414	6,277	23
Yasso	3,200	0	0	0	3,200	3,263	98
Agalo Meti	2,159	0	0	0	2,159	4,775	45
Bello Jiganfoy	2,051	0	0	0	2,051	6,362	32
Kemashi		8,486	350	0	8,836	13,629	65
Metekel	7,146	14,330	19,150	1,035	41,661	109,843	38
Bulen	3,040	852	918	0	4,810	15,044	32
Dangur	653	2,304	1,242	200	4,399	19,240	23
Debate	2,440	4,626	1,627	0	8,693	17,045	51
Guba	112	1,710	289	21	2,132	5,388	40
Mandura	0	3,007	7,555	659	11,221	17,317	65
Pawe	811	180	5,342	151	6,484	23,194	28
Wombera	90	1,651	2,177	4	3,922	12,615	31
Mao Ena Komo	0	2,575	1,188	50	3,813	7,813	49

2.4 Gambella Region urban water supply coverage at various levels

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population	Urban water supply coverage (%)
Gambela Peoples	9,074	34,158	22,103	18,901	84,236	158,403	53
Mejenger	755	3,129	6,800	3,605	14,289	14,293	100
Godere	755	3,129	6,800	3,605	14,289	14,293	100
Angewak	5,060	12,434	14,698	15,241	47,433	105,226	45
Gambela Zuriya	1,080	900	0	0	1,980	2,193	90
Abobo	0	7,460	670	60	8,190	8,196	100
Jor	0	0	0	0	0	1,269	0
Dima	0	1,760	455	0	2,215	4,209	53
Gog	3,980	2,269	3,565	174	9,988	11,251	89
Gambella	0	45	10,008	15,007	25,060	78,108	32
Itang Special	1,313	5,800	5	20	7,138	11,931	60
Itang	1,313	5,800	5	20	7,138	11,931	60
Newer	1,946	12,795	600	35	15,376	26,953	57
Makoy	0	0	0	0	0	4,360	0
Jikawo	0	0	0	0	0	2,569	0
Lare	0	9,335	600	35	9,970	13,108	76
Wantawo	1,946	3,456	0	0	5,402	5,705	95
Akobo	0	4	0	0	4	1,211	0

2.5 Tigray Region urban water supply coverage at various levels

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage (%)
Tigray	19,145	165,661	374,119	240,839	799,761	1,690,604	47
Central Tigray	750	30,142	53,473	69,725	154,087	317,205	49
Ahiferom	0	23,040	0	12,768	35,805	45,825	78
Tahtaymaychew	0	0	6,575	750	7,325	21,894	33
Mereb Leke	0	152	9,486	1,553	11,191	15,468	72
Nader Adet	750	0	0	0	750	3,613	21
Abbi Addy	0	0	18,412	1,084	19,496	31,583	62
Were Lehe	0	614	0	10,265	10,879	32,316	34
Axum	0	0	19,000	19,141	38,141	87,350	44
Adwa Town	0	6,336	0	24,164	30,500	79,156	39
Easeter Tigray	6,213	22,712	65,553	35,730	130,208	285,527	46
Atsbi Wenberta	0	8,585	5,148	1,591	15,324	21,773	70
Erob	0	1,728	0	0	1,728	4,097	42
Ganta Afeshum	0	3,456	0	245	3,701	7,109	52
Gulo Meheda	1,250	2,880	25	5	4,160	19,736	21
Hawuzen	4,963	346	250	230	5,789	14,783	39
Wukro	0	2,880	20	14,740	17,640	59,109	30
Saesi Tsadamba	0	100	9,240	4,044	13,384	36,974	36
Kilte Awlalo	0	2,737	3,370	1,750	7,857	9,396	84
Adigrat	0	0	47,500	13,125	60,625	112,550	54
Mekele	5,680	3,680	196,000	0	205,360	423,168	49
Mekele	5,680	3,680	196,000	0	205,360	423,168	49
Southern Tigray	2,480	21,270	20,099	33,635	77,484	190,141	41
Raya Azebo	0	2,180	365	13,696	16,241	31,441	52
Alaje	2,080	4,896	2,550	2,955	12,481	14,832	84
Korem	400	3,168	0	4,844	8,412	32,930	26
Alamata Town	0	576	16,284	7,140	24,000	65,097	37
Maychew	0	10,450	900	5,000	16,350	45,841	36
Western Tigray	1,260	40,390	22,649	24,073	88,372	141,059	63
Kafta Humera	0	24,789	12,609	1,640	39,038	59,393	66
Tsegede	0	1,225	5	10,538	11,768	18,004	65
Welkayit	1,260	14,256	35	1,895	17,446	21,084	83
Setit Humera	0	120	10,000	10,000	20,120	42,578	47
Semen Mirab	2,660	40,263	5,675	75,986	124,584	292,155	43

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage (%)
Medebay Zana	0	11,765	5	6,600	18,370	20,558	89
Tselemt	1,620	9,792	170	770	12,352	16,871	73
Laelay Adiyabo	500	7,700	0	0	8,200	15,681	52
Tahtay Adiyabo	0	6,655	0	12,386	19,041	93,390	20
Shiraro	540	3,456	0	12,790	16,786	33,387	50
Asegede Tsimbila	0	840	0	9,595	10,435	19,773	53
Shire Enda Silassie	0	55	5,500	33,845	39,400	92,495	43
Debub Misrak	102	7,204	10,670	1,690	19,666	41,349	48
Seharti Samre	0	1,780	8,640	1,000	11,420	17,983	64
Hintalo Wajirat	102	5,424	2,030	690	8,246	23,366	35

2.6 SNNP Region urban water supply coverage at various levels

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage (%)
Southern Nations, Nationalities and Peoples	70,602	370,938	571,366	521,345	1,534,236	3,196,189	48
Basketo Special Woreda	0	0	0	0	0	12,016	0
Basketo	0	0	0	0	0	12,016	0
Benchi Maji	12,430	10,930	3,395	29,625	56,380	160,952	35
Bero	298	0	0	0	298	4,282	7
Maji		0	3,000	100	3,100	11,155	28
Sheko	4,052	0	0	0	4,052	11,121	36
Debub Bench	750	1,250	0	0	2,000	19,992	10
Meanietgoldia	0	1,255	110	5	1,370	5,881	23
Mentishasha	0	1,500	0	0	1,500	6,409	23
Semen Benchmaji	890	1,425	285	0	2,600	12,289	21
Guraferda	4,490				4,490	11,484	39
Mizan Aman Ketema Astedader	1,950	5,500	0	29,520	36,970	78,339	47
Dawuro	3,723	12,143	3,605	85	19,556	48,916	40
Loma	280	3,775	0	0	4,055	9,185	44
Tocha	1,685	5,972	0	0	7,657	15,229	50
Esera	1,758	31	0	0	1,789	9,294	19
Tarcha Town	0	2,365	3,605	85	6,055	15,208	40
Yem Special Woreda	50	6,130	1,505	178	7,863	18,359	43
Yem Liyu	50	6,130	1,505	178	7,863	18,359	43
Konta Special Woreda	1,080	1,295	2,235	0	4,610	19,046	24
Konta Liyu	1,080	1,295	2,235	0	4,610	19,046	24
Shaka	0	3,350	11,412	9,000	23,762	72,745	33
Yepi City Admin	0	3,350	10,000	6,000	19,350	57,104	34
Masha Ketema	0	0	1,412	3,000	4,412	15,641	28
Sidama	14,204	45,635	83,246	16,745	159,813	373,941	43
Arbegona	0	1,600	1,375	250	3,225	15,476	21
Bensa	24	5,500	1,060	25	6,593	26,596	25
Dale	11,785	6,050	7,650	0	25,485	46,696	55
Dara	0	2,965	3,785	0	6,750	24,548	27
Hula	150	750	10,615	55	11,570	14,726	79
Shebedino	0	2,250	3,850	3,850	9,950	27,195	37
Bursa	180	3,325	0	0	3,505	5,290	66
Bona Zuria	0	7,500	0	0	7,500	13,848	54
Aleta Wondo	0	400	7,805	3,000	11,205	50,806	22
Aletachuko	0	5,250	3,000	0	8,250	13,027	63

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage (%)
Wendo Genet	0	3,900	15,000	1,500	20,400	53,133	38
Loko Abaya	0	885	5	48	937	2,427	39
Boricha	0	5,045	6,455	2,360	13,860	23,923	58
Chire	2,065	182	51	7	2,305	5,422	43
Yirgalem City Admin	0	33	22,595	5,650	28,278	50,828	56
South Omo	872	7,173	18,879	2,351	29,275	99,558	29
Debub Ari	30	4,339	1,925	0	6,294	17,933	35
Nyangatom	0	149	0	1,829	1,978	0	
Semen Ari	756	816	37	52	1,661	5,428	31
Bena Tsemay	86	429	627	20	1,162	4,926	24
Jinka Ketema Astedader	0	1,440	16,290	450	18,180	71,271	26
Wolayita	7,097	32,215	40,340	116,945	196,597	328,485	60
Humbo	0	250	8,495	20	8,765	14,367	61
Kindo Koisha	0	1,695	4,545	0	6,240	15,181	41
Ofa	0	1,050	6,180	0	7,230	12,491	58
Damot Sore	0	6,250	2,515	375	9,140	14,081	65
Sodo Ketema Astedader	2,550	14,230	10,000	116,250	143,030	174,878	82
Boditi Town	3,642	6,990	5	0	10,637	42,359	25
Areka Ketema Astedader	905	1,750	8,600	300	11,555	55,128	21
Gamo Gofa	7,981	28,254	45,742	62,497	144,474	339,025	43
Bonke	500	0	2,350	0	2,850	14,639	19
Chencha	1,200	5,500	7,880	150	14,730	30,681	48
Deremalo	0	900	3,025	60	3,985	7,397	54
Kemba	0	2,638	108	1,500	4,246	10,838	39
Melo Koza	300	1,250	200	200	1,950	7,550	26
Zala	40	0	1,245	32	1,317	4,909	27
Sawula	890	10,517	13,100	906	25,413	52,292	49
Geze Gofa	3,101	45	10	5	3,161	13,236	24
Qucha	1,950	50	4,725	0	6,725	11,795	57
Arba Minch	0	5,641	10,998	59,499	76,138	172,245	44
Mirab Abaya	0	1,713	2,101	145	3,959	13,443	29
Gedeo	0	14,986	12,865	1,570	29,421	78,718	37
Kochore	0	820	3,100	260	4,180	24,415	17
Wonago	0	4,000	3,050	525	7,575	19,496	39
Yirga Chefe Town	0	10,166	6,715	785	17,666	34,807	51
Guraghe	0	14,601	117,015	23,071	154,687	261,398	59
Cheha	0	300	0	6,500	6,800	20,710	33
Enemor Ena Ener	0	19	15	8,820	8,854	15,172	58
Ezha	0	0	426	2,006	2,432	8,558	28
Mareko	0	3,250	0	0	3,250	15,813	21

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage (%)
Sodo	0	2,523	14,950	755	18,228	31,616	58
Meskan	0	1,935	5,890	200	8,025	26,167	31
Wolikite Town Adminstraion	0	3,034	40,929	2,390	46,353	66,408	70
Butajira Ketema Astedader	0	3,540	54,805	2,400	60,745	76,954	79
Hadiya	170	55,323	91,325	20,052	166,870	285,289	58
Soro	0	2,523	14,950	755	18,228	38,834	47
Analememo	50	300	1,450	15	1,815	5,486	33
Gibe	0	2,500	4,500	0	7,000	11,641	60
Shashego	0	2,250	6,250	10	8,510	18,862	45
Duna	120	3,250	1,600	100	5,070	13,306	38
Shone City Admin	0	4,500	18,150	1,122	23,772	35,933	66
Hosana	0	40,000	44,425	18,050	102,475	161,227	64
Kaffa	21,864	10,336	6,943	9,954	49,099	132,053	37
Biti	667	0	0	0	667	6,333	11
Chena	5,238	2,358	0	0	7,596	26,837	28
Decha	2,626	1,518	0	0	4,144	12,599	33
Gewata	0	250	0	1,500	1,750	3,316	53
Gimbo	4,905	4,080	31	4	9,020	22,187	41
Saylem	300	0	10	1,050	1,360	4,674	29
Telo	928	130	902	900	2,860	8,091	35
Bonga	7,200	2,000	6,000	6,500	21,702	48,016	45
Kembata Tembaro	831	28,188	56,044	5,760	90,823	225,317	40
Kedida Gamella	0	1,000	2,450	30	3,480	10,739	32
Angecha	31	3,847	540	0	4,418	15,701	28
Tembaro	500	3,000	4,550	55	8,105	17,522	46
Doyogena	300	2,133	3,114	400	5,947	15,489	38
Damboya	0	2,750	2,300	20	5,070	18,687	27
Durame City Admin	0	6,243	23,971	4,005	34,219	56,416	61
Shinshicho City	0	8,348	8,014	625	16,987	36,518	47
Hadaro Ketema Astidadar	0	867	11,105	625	12,597	54,245	23
Silite	150	21,606	16,295	10,428	48,479	112,564	43
Lanfuro	150	8,585	415	45	9,195	28,613	32
Silti	0	6,300	7,515	250	14,065	37,197	38
Halicho Wiriroo	0	1,070	0	0	1,070	1,795	60
Hulbareg	0	60	850	39	949	5,056	19
Sankura	0	1,955	0	1,204	3,159	8,390	38
Dallocha	0	2,136	0	8,640	10,776	15,635	69
Worabe Town Adminstration	0	1,500	7,515	250	9,265	15,878	58
Segen Akababi Hizboch	150	8,556	12,225	2,174	23,105	66,526	35

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage (%)
Konso	0	4,575	3,660	288	8,523	21,644	39
Burji	150	509	1,213	200	2,072	14,477	14
Dirashe	0	3,472	7,337	1,681	12,490	30,405	41
Segen Ketema Asetedader	0	0	15	5	20	0	
Alaba Special	0	2,250	24,500	5,500	32,250	61,823	52
Hawassa City Administration	0	56,967	0	190,410	247,377	363,413	68
Dilla City Admin	0	11,000	23,795	15,000	49,795	136,045	37

2.7 Oromia Region urban water supply coverage at various levels

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage(%)
Oromia	139,779	493,971	717,120	1,300,013	2,650,927	4,103,980	65
Arsi	6,509	55,413	10,211	68,184	140,317	245,722	57
Amigna	1,615	367	1,249	0	3,231	10,124	32
Aseko	134	600	1,166	0	1,900	6,284	30
Chole	0	3,810	482	345	4,637	10,631	44
Merti	250	3,960	80	18,575	22,865	23,092	99
Robe	250	3,480	80	16,005	19,815	32,586	61
Seru	2,500	480	0	1,065	4,045	5,001	81
Shirka	0	1,950	0	5	1,955	11,182	17
Sude	250	580	0	3,575	4,405	4,459	99
Lemu Na Bilbilo	0	7,000	20	0	7,020	8,822	80
Zewaydugda	510	700	4,480	800	6,490	7,100	91
Guna	250	3,000	45	0	3,295	8,758	38
Honkolo Wabe	0	4,250	5	6,000	10,255	10,718	96
Sire	0	4,500	0	2,965	7,465	15,076	50
Digalu Na Tijo	0	8,370	2,500	5	10,875	22,186	49
Diksis	0	2,010	5	5	2,020	12,376	16
Munesa	0	3,416	4	5	3,425	23,905	14
Bele Gesigar	750	2,500	0	0	3,250	9,317	35
Lodehitosa	0	4,440	95	18,834	23,369	24,105	97
Bale	400	11,258	5,050	38,590	55,298	84,541	65

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage(%)
Gasera	0	750	0	0	750	7,559	10
Rayitu	0	70	2,500	0	2,570	5,049	51
Dinsho	400	800	2,550	900	4,650	4,674	99
Delo Mena	0	4,388	0	0	4,388	16,797	26
Goba Ketema	0	5,250	0	37,690	42,940	50,462	85
Borena	0	4,804	11,500	10,030	26,334	37,237	71
Dire	0	3,124	1,500	30	4,654	9,667	48
Yabelo Twon	0	1,680	10,000	10,000	21,680	27,570	79
East Shewa	12,075	10,917	528	47,356	70,876	162,166	44
Boset	0	2,040	0	0	2,040	41,778	5
Dugda	4,000	2,760	0	36,160	42,920	57,123	75
Liben Chukala	0	300	100	1,000	1,400	4,617	30
Lume	2,850	135	50	10,123	13,158	14,534	91
Bora	0	3,830	0	0	3,830	17,968	21
Adamitulu	5,225	1,852	378	73	7,528	26,146	29
East Wellega	20,425	24,480	2,515	7,535	54,955	142,976	38
Diga	2,517	3,100	0	2,850	8,467	38,080	22
Limu	900	3,120	2,000	345	6,365	6,571	97
Sasiga	1,500	80	0	0	1,580	4,054	39
Sibu Sire	750	1,080	500	2,750	5,080	16,140	31
Gobu Seyo	250	1,715	0	0	1,965	7,488	26
Gudaya Bila	250	1,715	0	0	1,965	9,186	21
Jima Arjo	12,258	0	0	0	12,258	14,452	85
Gida Ayana	0	10,000	0	675	10,675	38,080	28
Bonayaboshe	500	1,750	0	0	2,250	4,280	53
Kiramu	1,500	1,920	15	915	4,350	4,645	94
Illubabor	2,299	14,964	55,815	1,290	74,368	106,226	70
Darimu	0	3,240	2,465	0	5,705	6,689	85
Alge Sachi	0	3,120	4,165	520	7,805	11,588	67
Halu	1,150	0	0	0	1,150	2,655	43
Hurumu	0	5,718	15	60	5,793	7,121	81
Yayo	250	250	3,800		4,300	11,908	36
Metu Ketema	0	560	45,360	710	46,630	46,810	100
Alle	0	1,901	0	0	1,901	14,257	13
Bacho	600	175	10	0	785	2,450	32
Nono Sele	299	0	0	0	299	2,748	11

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage(%)
Jimma	4,200	22,479	26,295	2,620	55,589	106,172	52
Limu Kosa	0	2,400	12,500	0	14,900	19,608	76
Limu Seka	0	5,472	2,250	0	7,722	11,949	65
Setema	1,250	1,728	5	0	2,978	7,452	40
Sigimo	1,000	5,184	0	0	6,184	8,684	71
Tiroafeta	0	110	5,250	50	5,410	8,365	65
Gumay	1,700	2,465	1,155	0	5,320	8,302	64
Sokoru	250	3,120	5,000	70	8,440	20,049	42
Cora Botar	0	1,500	120	0	1,620	1,643	99
Gomma	0	500	15	2,500	3,015	20,120	15
North Shewa (K4)	8,273	24,684	3,250	73,329	109,532	141,068	78
Kuyu	300	420	0	27,500	28,220	31,313	90
Wara Jarso	0	6,190	2,000	0	8,190	16,594	49
Hidebu Abote	0	1,560	0	8,405	9,965	10,077	99
Wuchale	1,401	3,400	1,200	0	6,001	10,126	59
Darra	5,400	3,364	30	2,060	10,044	12,547	80
Debre Libanos	0	3,320	0	6,724	10,850	14,110	77
Aleltu	172	200	0	810	1,182	6,068	19
Dagam	1,000	1,500	0	5,205	7,705	9,558	81
Abichu And Gnea Woreda	0	100	20	7,735	7,855	7,975	98
Yaya Gulele	0	2,880	0	0	2,880	4,108	70
Kimbibit	0	1,750	0	14,890	16,640	18,592	90
West Harerghe	500	30,686	72,042	23,305	126,533	224,868	56
Boke	0	1,750	0	0	1,750	10,551	17
Chiro	0	3,480	31,685	4,740	39,905	53,054	75
Doba		2,880	0	0	2,880	5,156	56
Habro	0	1,685	6,003	10	7,698	39,760	19
Mesela	0	1,560	0	3,000	4,560	7,233	63
Mieso	500	5,280	20,300	3,035	29,115	36,508	80
Tulo	0	3,566	7,914	1,910	13,390	21,694	62
Ancar	0	2,880	2,595	0	5,475	10,228	54
Guba Koricha	0	240	1,425	2,850	4,515	4,530	100
Gemechis	0	3,200	0	5	3,205	6,087	53
Daro Labu	0	2,885	0	7,755	10,640	26,570	40
Gumbi Bordede	0	1,280	2,120	0	3,400	3,497	97
West Shewa	7,964	36,755	9,809	47,191	101,719	211,446	48

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage(%)
Bako Tibe	0	0	140	9,575	9,715	36,007	27
Dano	1,424	5,930	0	1,560	8,914	10,399	86
Dendi	0	2,701	44	14	2,759	43,368	6
Jeldu		2,500	0	9,850	12,350	20,046	62
Meta Robi	0	1,680	0	1,300	2,980	6,345	47
Nono	500	360	0	4,482	5,342	5,600	95
Toke Kutaye	0	5,660	1,010	10,010	16,680	23,229	72
Ilu Galan	5,750	960	0	4,500	11,210	14,136	79
Medakegn	40	200	0	0	240	3,274	7
Adea Berga	0	3,840	8,575	5,650	18,065	25,117	72
Cobi	250	1,080	0	0	1,330	2,619	51
Abuna Gindeberet				150	150	4,262	4
Ejersa Lafo	0	7,344	40	0	7,384	11,326	65
Jibat	0	4,500	0	100	4,600	5,718	80
West Wellega	10,202	48,339	18,525	34,825	111,944	164,191	68
Nole Kaba	0	2,520	0	1,705	4,225	8,030	53
Homa	0	2,450	0	0	2,450	3,914	63
Boji Chokorsa	0	500	0	1,690	2,190	2,330	94
Bojidimaji	560	4,582	75	5,310	10,625	11,489	92
Kiltu Kara	1,250	510	2,535	1,250	5,500	8,282	66
Seyo Nole	90	510	2,535	250	3,385	3,675	92
Ayira	0	4,070	0	2,050	6,120	9,579	64
Guliso	380	590	4,330	870	6,170	12,396	50
Gimbi Town	250	29,550	5,000	200	35,000	48,817	72
Yubdo	120	110	0	3,400	3,630	3,671	99
Nejo Town	5	2,600	4,000	14,250	20,855	29,935	70
Mandi Town	7,547	347	50	3,850	11,794	22,073	53
Mirab Arsi	7,804	23,138	11,925	64,268	107,135	276,846	39
Kore	4,000	0	0	0	4,000	8,498	47
Kofale	0	4,750	0	0	4,750	24,342	20
Shala	0	1,731	7,150	1,540	10,421	12,101	86
Arsi Negele	0	9,680	4,725	80	14,485	96,403	15
Wendo	3,804	0	0	0	3,804	6,534	58
Arsi Negele City Administration	0	5,760	0	40,000	45,760	96,403	47
Gadeb Asesa	0	1,217	50	22,648	23,915	32,565	73
Guji	500	20,367	0	400	21,267	84,570	25

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage(%)
Anasora	500	1,152	0	0	1,652	2,370	70
Shakiso Ketema Astedader	0	13,340	0	250	13,590	46,056	30
Adola Wayu Ketema	0	5,875	0	150	6,025	36,144	17
Misrak Haraghe	5,820	33,306	51,294	9,500	99,920	208,931	48
Deder	0	3,276	7,500	500	11,276	20,432	55
Haremaya	445	1,005	0	0	1,450	18,307	8
Meta	0	9,178	900	8,750	18,828	23,948	79
Kombolcha	3,260	3,998	1,230	0	8,488	19,878	43
Fedis	0	1,080	4,840	0	5,920	7,207	82
Chinaksen	0	2,880	0	0	2,880	19,320	15
Bedeno	0	1,900	6,000	0	7,900	14,367	55
Gorogutu	2,115	0	0	0	2,115	15,861	13
Kurfa Chele	0	4,739	29	200	4,968	9,082	55
Aweday Ketema	0	2,000	10,000	0	12,000	12,111	99
Haremaya Ketema	0	3,250	20,795	50	24,095	48,418	50
Buno Bedele	4,891	21,849	7,214	0	33,954	71,717	47
Gechi	0	4,000	3,100	0	7,100	8,575	83
Didessa	2,890	1,710	2,254	0	6,854	8,901	77
Dabo Hana	560	4,560	0	0	5,120	6,569	78
Chora	300	7,664	1,335	0	9,299	12,157	76
Dega	0	2,040	0	0	2,040	4,762	43
Bedelle	1,141	1,875	525	0	3,541	30,753	12
Horo Guduru Wollega	7,394	25,940	25,035	18,673	77,042	96,228	80
Hababoguduru	0	350	2,950	100	3,400	3,725	91
Abedongoro	0	2,040	95	948	3,083	3,969	78
Amuru	4,250	2,520	0	350	7,120	7,708	92
Jimmagenate	154	4,170	0	3,350	7,674	10,976	70
Guduru	250	1,000	0	7,425	8,675	10,248	85
Jardaga Jarte	0	2,280	3,455	200	5,935	7,496	79
Abaychoman	720	4,080	8,535	1,325	14,660	14,875	99
Jimarare	2,020	3,020	0	0	5,040	13,603	37
Horo(Shambu)	0	6,480	10,000	4,975	21,455	23,628	91
Debub Mirab Shewa	3,862	15,675	7,933	11,184	38,654	84,445	46
Dawo	110	3,600	0	0	3,710	5,955	62
Ameya	240	1,200	7,200	600	9,240	9,859	94

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage(%)
Bacho	12	120	8	0	140	22,810	1
Saden Soddo	0	960	125	320	1,405	4,644	30
Ilu	500	720	0	7,750	8,970	11,794	76
Woliso	0	2,310	600	75	2,985	4,072	73
Wenchi	500	720	0	1,314	2,534	3,002	84
Goro	1,500	2,880	0	125	4,505	13,442	34
Tole	1,000	1,320	0	0	2,320	4,562	51
Sodo Dachi	0	1,845	0	1,000	2,845	4,305	66
Dukam Liyu Zone	0	2,280	25	8,916	11,221	12,398	91
Dukam	0	2,280	25	8,916	11,221	12,398	91
Sabata	0	4,320	565	129,550	134,435	153,606	88
Burayu	0	2,560	904	72,106	75,570	99,702	76
Oromiya Liyu Zone	5,750	5,450	6,801	6,135	24,136	44,583	54
Sululta	5,750	2,640	370	70	8,830	24,087	37
Mulo	0	2,000	0	0	2,000	3,618	55
Walmara	0	60	50	4,865	4,975	5,282	94
Sendafa Bake	0	750	6,381	1,200	8,331	11,596	72
Nekemte Liyu Zone	0	1,735	4,203	85,298	91,236	118,523	77
Nekemte	0	1,735	4,203	85,298	91,236	118,523	77
Bishan Guracha Liyu Zone	2,000	0	0	0	2,000	37,431	5
Bishan Guracha City Adiminstration	2,000	0	0	0	2,000	37,431	5
Woliso Liyu Zone	16	2,627	7,501	1,249	11,393	59,685	19
Woliso	16	2,627	7,501	1,249	11,393	59,685	19
Shashamane Liyu Zone	0	12,000	122,665	150	134,815	158,287	85
Shashemena Ketama Astedader	0	12,000	122,665	150	134,815	158,287	85
Laga Tafo Laga Dadi	0	600	0	18,044	18,644	20,629	90
Laga Tafo Laga Dadi	0	600	0	18,044	18,644	20,629	90
Adama Liyu Zone	0	2,760	238,900	121,900	363,560	375,764	97
Adama	0	2,760	238,900	121,900	363,560	375,764	97
Jimma Liyu	28,000	6,700	6,500	136,800	178,000	190,598	93
Jimma	28,000	6,700	6,500	136,800	178,000	190,598	93
Gelan Liyu Zone	100	550	0	9,515	10,165	14,479	70

Region / Zone / Woreda	On spot users	Public tap users	Yard connection users	House connection users	Total users	Urban population at Town/woreda level	Urban water supply coverage(%)
Gelan	100	550	0	9,515	10,165	14,479	70
Ambo City Admin	0	5,865	9,950	75,650	91,465	91,721	100
Ambo	0	5,865	9,950	75,650	91,465	91,721	100
Asela Liyu Zone	45	14,235	0	63,000	77,280	105,997	73
Assela	45	14,235	0	63,000	77,280	105,997	73
Bishoftu Liyu Zone	750	7,235	165	113,420	121,570	171,227	71
Bishoftu Town Administration	750	7,235	165	113,420	121,570	171,227	71

Annex 3: Rural water supply schemes non-functionality rate

3.1 Afar Region Rural water supply schemes Functionality status

Admin	on spot			RPS sources			Total			NFR(KPI-3)%
	Fn	NF	Sum	Fn	NF	Sum	Fn	NF	Sum	
Afar	229	102	331	199	42	241	428	144	572	25%
Zone1	51	28	79	47	5	52	98	33	131	25%
Adear	8	10	18	7	0	7	15	10	25	40%
Afambo	15	6	21	0	0	0	15	6	21	29%
Aysayita	4	6	10	7	0	7	11	6	17	35%
Chifera	7	1	8	14	2	16	21	3	24	13%
Dubti	3	1	4	3	0	3	6	1	7	14%
Elidar	4	0	4	3	0	3	7	0	7	0%
Kori	1	0	1	0	0	0	1	0	1	0%
Mile	9	4	13	13	3	16	22	7	29	24%
Zone2	39	14	53	38	5	43	77	19	96	20%
Abeala	1	2	3	13	1	14	14	3	17	18%
Afdera	0	1	1	0	0	0	0	1	1	100%
Berehale	7	1	8	4	0	4	11	1	12	8%
Bidu	1	0	1	0	0	0	1	0	1	0%
Dalol	14	7	21	8	3	11	22	10	32	31%
Erebt	4	0	4	4	0	4	8	0	8	0%
Kuneba	8	2	10	3	0	3	11	2	13	15%
Megale	4	1	5	6	1	7	10	2	12	17%
Zone3	50	27	77	54	20	74	104	47	151	31%
Amibara	0	3	3	22	5	27	22	8	30	27%
Argoba Liyu	1	0	1	4	0	4	5	0	5	0%
Awash Fentale	32	11	43	7	3	10	39	14	53	26%
Dulesa	7	4	11	8	2	10	15	6	21	29%
Gelalo	2	4	6	7	1	8	9	5	14	36%
Gewane	8	5	13	6	9	15	14	14	28	50%
Zone4	26	18	44	27	10	37	53	28	81	35%
Awra	1	3	4	5	1	6	6	4	10	40%
Ewa	0	3	3	1	6	7	1	9	10	90%
Golina	18	6	24	10	0	10	28	6	34	18%
Teru	0	0	0	7	3	10	7	3	10	30%
Yalo	7	6	13	4	0	4	11	6	17	35%
Zone5	61	15	76	32	2	34	93	17	110	15%

Admin	on spot			RPS sources			Total			NFR(KPI-3)%
	Fn	NF	Sum	Fn	NF	Sum	Fn	NF	Sum	
Dalifage	4	5	9	6	1	7	10	6	16	38%
Dewe	30	3	33	5	0	5	35	3	38	8%
Hadeleela	6	1	7	7	1	8	13	2	15	13%
Semurobi	2	4	6	9	0	9	11	4	15	27%
Telalak	19	2	21	5	0	5	24	2	26	8%

3.2 Amhara Region Rural water supply schemes functionality Status

Admin	On spot			RPS sources			Total			NFR (%)
	Fn	FN	Sub Total	Fn	NF	Sub Total	Fn	NF	Total	
Amhara	50,942	12,267	63,209	4,710	471	5,181	55,652	12,738	68,390	19%
Argoba Liyu	73	42	115	5	-	5	78	42	120	35%
Argoba Liyu	73	42	115	5	-	5	78	42	120	35%
Awi	4,284	1,055	5,339	27	2	29	4,311	1,057	5,368	20%
Ankesha Guagusa	303	82	385	-	-	-	303	82	385	21%
Ayehu Guagusa	400	88	488	1	-	1	401	88	489	18%
Banja Shigudad	616	43	659	14	-	14	630	43	673	6%
Dangila	583	234	817	4	1	5	587	235	822	29%
Fagita Lekoma	505	115	620	3	1	4	508	116	624	19%
Guagusashekuda d	572	128	700	3	-	3	575	128	703	18%
Guangua	537	96	633	1	-	1	538	96	634	15%
Jawi	394	99	493	1	-	1	395	99	494	20%
Zigem	374	170	544	-	-	-	374	170	544	31%
Bahir Dar Liyu	122	31	153	2	1	3	124	32	156	21%
Bahirdar Ketema	122	31	153	2	1	3	124	32	156	21%
Debub Gonder	6,876	2,268	9,144	268	60	328	7,144	2,328	9,472	25%
Andabet	392	182	574	154	41	195	546	223	769	29%
Dera	951	307	1,258	2	-	2	953	307	1,260	24%
Ebinat	505	199	704	2	-	2	507	199	706	28%
Estie	996	257	1,253	103	12	115	1,099	269	1,368	20%
Farta	877	310	1,187	1	-	1	878	310	1,188	26%
Fogera	572	218	790	1	4	5	573	222	795	28%
Guna Begie Midir	407	84	491	-	-	-	407	84	491	17%
Laygaynt	555	131	686	-	-	-	555	131	686	19%
Libokemkem	578	149	727	1	-	1	579	149	728	20%
Meketewa	68	32	100	-	-	-	68	32	100	32%
Sedie Muja	101	8	109	1	-	1	102	8	110	7%
Simada	482	296	778	-	1	1	482	297	779	38%

Admin	On spot			RPS sources			Total			NFR (%)
	Fn	FN	Sub Total	Fn	NF	Sub Total	Fn	NF	Total	
Tachgayint	392	95	487	3	2	5	395	97	492	20%
Debub Wello	6,818	1,340	8,158	1,402	151	1,553	8,220	1,491	9,711	15%
Albuko	223	76	299	8	1	9	231	77	308	25%
Ambasel	88	19	107	239	5	244	327	24	351	7%
Borena	495	36	531	28	-	28	523	36	559	6%
Delanta	234	46	280	92	5	97	326	51	377	14%
Dessie Zuriya	593	23	616	3	-	3	596	23	619	4%
Jama	432	73	505	2	-	2	434	73	507	14%
Kalu	304	64	368	139	22	161	443	86	529	16%
Kelala	452	81	533	10	1	11	462	82	544	15%
Kombolcha Ketema Astedader	32	2	34	10	-	10	42	2	44	5%
Kutaber	73	20	93	221	31	252	294	51	345	15%
Legambo	780	137	917	7	-	7	787	137	924	15%
Legehida	335	64	399	4	-	4	339	64	403	16%
Mehal Sayint	225	71	296	6	-	6	231	71	302	24%
Mekdela	561	208	769	13	-	13	574	208	782	27%
Saynt Adjibar	438	134	572	3	1	4	441	135	576	23%
Tehuledere	85	11	96	181	2	183	266	13	279	5%
Teneta	537	88	625	167	40	207	704	128	832	15%
Werebabo	228	85	313	29	-	29	257	85	342	25%
Wereilu	275	57	332	239	42	281	514	99	613	16%
Wogdie	428	45	473	1	1	2	429	46	475	10%
Dessie Town Administration	36	4	40	4	1	5	40	5	45	11%
Gondar Ketema Liyu Zone	202	50	252	-	-	-	202	50	252	20%
Maekelawi Gonder	3,487	1,588	5,075	37	10	47	3,524	1,598	5,122	31%
Alefa	551	195	746	1	-	1	552	195	747	26%
Chilga	100	41	141	1	-	1	101	41	142	29%
Gonder Zuriya	434	186	620	4	-	4	438	186	624	30%

Admin	On spot			RPS sources			Total			NFR (%)
	Fn	FN	Sub Total	Fn	NF	Sub Total	Fn	NF	Total	
Kinfaz Begela	15	11	26	2	-	2	17	11	28	39%
Lay Armachiho	125	34	159	-	-	-	125	34	159	21%
Mirabbelesa	172	142	314	3	2	5	175	144	319	45%
Mirabdembiya	225	68	293	1	-	1	226	68	294	23%
Misrak Dembiya	383	152	535	7	3	10	390	155	545	28%
Misrakbelesa	362	163	525	4	-	4	366	163	529	31%
Tachi Armachiho	247	147	394	3	1	4	250	148	398	37%
Takusa	405	162	567	-	1	1	405	163	568	29%
Tegedie	249	61	310	1	-	1	250	61	311	20%
Wogera	219	226	445	10	3	13	229	229	458	50%
Mirab Gojjam	9,378	1,558	10,936	266	17	283	9,644	1,575	11,219	14%
Bahirdar Zuriya	726	164	890	1	2	3	727	166	893	19%
Burie Zuria	613	223	836	6	1	7	619	224	843	27%
Debub Achefer	595	166	761	6	3	9	601	169	770	22%
Debub Mecha	243	35	278	-	-	-	243	35	278	13%
Dega Damot	740	50	790	-	-	-	740	50	790	6%
Dembecha	529	187	716	6	1	7	535	188	723	26%
Gonje Kolela	992	59	1,051	-	-	-	992	59	1,051	6%
Jebitehnan	569	96	665	2	-	2	571	96	667	14%
Quarit	581	30	611	235	3	238	816	33	849	4%
Sekela	682	108	790	-	1	1	682	109	791	14%
Semen Achefer	554	132	686	-	1	1	554	133	687	19%
Semen Mecha	591	94	685	8	1	9	599	95	694	14%
Womberma	560	107	667	1	4	5	561	111	672	17%
Yilmana Densa	1,375	99	1,474	-	-	-	1,375	99	1,474	7%
Burie Ketema Astedader	28	8	36	1	-	1	29	8	37	22%
Mirab Gonder	494	177	671	11	8	19	505	185	690	27%
Merab Armachiho	86	72	158	1	5	6	87	77	164	47%
Metema	102	47	149	7	3	10	109	50	159	31%
Quara	306	58	364	3	-	3	309	58	367	16%
Misrak Gojjam	9,006	1,154	10,160	179	9	188	9,185	1,163	10,348	11%

Admin	On spot			RPS sources			Total			NFR (%)
	Fn	FN	Sub Total	Fn	NF	Sub Total	Fn	NF	Total	
Aneded	518	30	548	-	-	-	518	30	548	5%
Awabel	519	35	554	10	1	11	529	36	565	6%
Basoliben	649	150	799	26	1	27	675	151	826	18%
Bibugn	566	103	669	2	-	2	568	103	671	15%
Debay Tilat Gin	387	6	393	102	1	103	489	7	496	1%
Debre Elias	475	87	562	1	-	1	476	87	563	15%
Dejen	611	51	662	3	2	5	614	53	667	8%
Enarji Ena Enawuga	777	72	849	-	-	-	777	72	849	8%
Enebsie Sar Midir	432	106	538	4	-	4	436	106	542	20%
Enemay	613	39	652	-	-	-	613	39	652	6%
Goncha Siso Enese	548	94	642	1	-	1	549	94	643	15%
Gozamen	591	137	728	21	2	23	612	139	751	19%
Hulet Eju Enese	613	69	682	2	1	3	615	70	685	10%
Machakel	435	114	549	4	1	5	439	115	554	21%
Sede	303	8	311	2	-	2	305	8	313	3%
Shebel Berenta	452	53	505	1	-	1	453	53	506	10%
Sinan	517	-	517	-	-	-	517	-	517	0%
Oromiya Liyu Zone	825	324	1,149	57	7	64	882	331	1,213	27%
Arituma Fursi	162	79	241	4	-	4	166	79	245	32%
Bati	296	124	420	-	-	-	296	124	420	30%
Bati Ketema Astedader	27	3	30	-	-	-	27	3	30	10%
Dewa Chefa	159	56	215	36	3	39	195	59	254	23%
Dewe Harawa	82	7	89	4	2	6	86	9	95	9%
Jile Timuga	99	55	154	13	2	15	112	57	169	34%
Semen Gonder	1,035	497	1,532	112	18	130	1,147	515	1,662	31%
Adi Arkay	143	99	242	2	-	2	145	99	244	41%
Beyeda	191	86	277	2	-	2	193	86	279	31%
Dabat	167	161	328	2	1	3	169	162	331	49%

Admin	On spot			RPS sources			Total			NFR (%)
	Fn	FN	Sub Total	Fn	NF	Sub Total	Fn	NF	Total	
Debark	309	77	386	3	-	3	312	77	389	20%
Janamora	173	63	236	1	-	1	174	63	237	27%
Telemit	52	11	63	102	17	119	154	28	182	15%
Semen Shewa	4,019	825	4,844	1,953	120	2,073	5,972	945	6,917	14%
Angolelanatera	465	44	509	4	-	4	469	44	513	9%
Ankober	98	24	122	100	1	101	198	25	223	11%
Antsokia Gemza	65	9	74	57	3	60	122	12	134	9%
Asagrt	61	5	66	268	16	284	329	21	350	6%
Basso Ena Werena	134	15	149	604	20	624	738	35	773	5%
Berehet	90	6	96	19	-	19	109	6	115	5%
Efratana Gidim	118	16	134	50	1	51	168	17	185	9%
Ensaro	201	29	230	15	1	16	216	30	246	12%
Geshe	316	37	353	50	1	51	366	38	404	9%
Hagere Maryam Kesem	300	74	374	38	4	42	338	78	416	19%
Kewot	45	9	54	88	5	93	133	14	147	10%
Menz Gera Midere	280	103	383	1	2	3	281	105	386	27%
Menz Keya Gebrael	104	80	184	1	-	1	105	80	185	43%
Menz Mama Midir	206	38	244	195	27	222	401	65	466	14%
Menzlalo	133	11	144	181	10	191	314	21	335	6%
Merehabetie	229	50	279	70	1	71	299	51	350	15%
Mida Woremo	301	58	359	5	-	5	306	58	364	16%
Minjar Shonkora	160	10	170	11	2	13	171	12	183	7%
Mojana Wedera	207	102	309	47	14	61	254	116	370	31%
Moretna Jiru	115	52	167	3	3	6	118	55	173	32%
Saya Debirna Wayu	355	46	401	29	3	32	384	49	433	11%
Tarmaber	36	7	43	117	6	123	153	13	166	8%
Semen Wello	3,218	796	4,014	234	26	260	3,452	822	4,274	19%

Admin	On spot			RPS sources			Total			NFR (%)
	Fn	FN	Sub Total	Fn	NF	Sub Total	Fn	NF	Total	
Angot	128	49	177	4	-	4	132	49	181	27%
Bugna	222	35	257	-	1	1	222	36	258	14%
Dawunt	250	49	299	2	-	2	252	49	301	16%
Gazo	272	43	315	2	-	2	274	43	317	14%
Gidan	255	23	278	88	3	91	343	26	369	7%
Gubalafto	205	45	250	61	7	68	266	52	318	16%
Habiru	165	26	191	22	-	22	187	26	213	12%
Lasta	305	139	444	18	8	26	323	147	470	31%
Meket	625	166	791	5	-	5	630	166	796	21%
Raya Kobo	207	108	315	21	5	26	228	113	341	33%
Wadila	584	113	697	11	2	13	595	115	710	16%
Waghimra	1,069	558	1,627	153	41	194	1,222	599	1,821	33%
Abergele	107	78	185	2	-	2	109	78	187	42%
Dehana	299	149	448	8	4	12	307	153	460	33%
Gazgibla	161	107	268	74	16	90	235	123	358	34%
Sahla Seyemt	41	21	62	2	1	3	43	22	65	34%
Sekota Ketema Astedader	24	25	49	-	-	-	24	25	49	51%
Sekota Zuria	253	112	365	3	1	4	256	113	369	31%
Tsagibige	45	45	90	5	-	5	50	45	95	47%
Zikuala	139	21	160	59	19	78	198	40	238	17%

3.3 Benishangul Gumuz Region Rural water supply schemes functionality Status

Region/ Zone/ woreda	On spot Number of Schemes			RWS Source			Total			Non- Functionality %
	Total	Functional	Non functional	Total	Functional	Nonfunctional	Functional	Non functional	Total	
Benishangul Gumuz	2,996	2,469	527	57	48	9	2,517	536	3,053	17.6
Mao Ena Komo	156	121	35	1	1	-	122	35	157	22.3
Mao Ena Komo	156	121	35	1	1	-	122	35	157	22.3
Metekel	1,318	1,087	231	43	38	5	1,125	236	1,361	17
Bulen	210	189	21	-	-	-	189	21	210	10.0
Dangur	157	132	25	1	1	-	133	25	158	15.8
Debate	249	204	45	-	-	-	204	45	249	18.1
Guba	75	64	11	1	1	-	65	11	76	15.4
Mandura	228	171	57	1	1	-	172	57	229	24.9
Pawe	179	164	15	-	-	-	164	15	179	8.4
Wombera	220	163	57	40	35	5	198	62	260	23.8
Assosa Zone	1,117	941	176	13	9	4	950	180	1,130	15.9
Assosa	327	255	72	-	-	-	255	72	327	22.0
Bambasi	254	188	66	5	4	1	192	67	259	25.9
Homosha	83	74	9	7	4	3	78	12	90	13.3
Kurmuk	86	81	5	-	-	-	81	5	86	5.8
Menge	160	158	2	1	1	-	159	2	161	1.2
Odda Buldgilu	128	106	22	-	-	-	106	22	128	17.2
Sherqole	79	79	0	-	-	-	79	-	79	-
Kemashi Zone	405	320	85	-	-	-	320	85	405	21.0
Agalo Meti	72	59	13	-	-	-	59	13	72	18.1
Bello Jiganfoy	76	49	27	-	-	-	49	27	76	35.5
Kemashi	95	70	25	-	-	-	70	25	95	26.3
Sedal	99	92	7	-	-	-	92	7	99	7.1
Yasso	63	50	13	-	-	-	50	13	63	20.6

3.4 Tigray Region Rural water supply schemes functionality Status

Admi	On spot			Sources for RPS			Total			NFR(KPI-3)%
	Fn	NF	sub total	Fn	NF	sub total	Fn	NF	Toatal	
Tigray	10,159	2,751	12,910	396	77	473	10,555	2,828	13,383	21%
Debub Misrak	837	302	1,139	53	9	62	890	311	1,201	26%
Degua Temben	127	47	174	2	-	2	129	47	176	27%
Enderta	139	33	172	11	-	11	150	33	183	18%
Hintalo Wajirat	305	78	383	28	6	34	333	84	417	20%
Seharti Samre	266	144	410	12	3	15	278	147	425	35%
Debubawi	777	206	983	258	49	307	1,035	255	1,290	20%
Alaje	243	46	289	33	3	36	276	49	325	15%
Alamata	116	10	126	42	7	49	158	17	175	10%
Endamehoni	179	99	278	37	11	48	216	110	326	34%
Ofla	214	40	254	84	12	96	298	52	350	15%
Raya Azebo	25	11	36	62	16	78	87	27	114	24%
Mehakelawi	3,659	1,090	4,749	21	5	26	3,680	1,095	4,775	23%
Adwa	518	123	641	4	1	5	522	124	646	19%
Ahiferom	639	130	769	4	-	4	643	130	773	17%
Kola Tembyen	504	61	565	1	-	1	505	61	566	11%
Lelay Maychew	266	85	351	2	1	3	268	86	354	24%
Mereb Leke	362	120	482	-	-	-	362	120	482	25%
Nader Adet	390	142	532	1	-	1	391	142	533	27%
Tahtaymaychew	323	101	424	1	-	1	324	101	425	24%
Tanqua Abergele	201	138	339	8	3	11	209	141	350	40%
Were Lehe	456	190	646	-	-	-	456	190	646	29%
Mirabawi	661	131	792	14	2	16	675	133	808	16%
Kafta Humera	113	45	158	11	2	13	124	47	171	27%
Tsegede	245	24	269	3	-	3	248	24	272	9%
Welkayit	303	62	365	-	-	-	303	62	365	17%
Misrakawi	2,457	507	2,964	44	12	56	2,501	519	3,020	17%
Atsbi Wenberta	371	83	454	5	2	7	376	85	461	18%
Erob	115	4	119	9	-	9	124	4	128	3%
Ganta Afeshum	303	49	352	1	-	1	304	49	353	14%
Gulo Meheda	266	77	343	9	3	12	275	80	355	23%
Hawuzen	485	48	533	5	1	6	490	49	539	9%
Kilte Awlalo	346	79	425	6	2	8	352	81	433	19%

Admi	On spot			Sources for RPS			Total			NFR(KPI-3)%
	Fn	NF	sub total	Fn	NF	sub total	Fn	NF	Toatal	
Saesi Tsadamba	571	167	738	9	4	13	580	171	751	23%
Semen Mirab	1,768	515	2,283	6	-	6	1,774	515	2,289	22%
Asegede Tsimbila	349	112	461	-	-	-	349	112	461	24%
Lalay Adiyabo	409	37	446	-	-	-	409	37	446	8%
Medebay Zana	312	150	462	1	-	1	313	150	463	32%
Tahtay Adiyabo	333	101	434	-	-	-	333	101	434	23%
Tahtay Qoraro	233	42	275	1	-	1	234	42	276	15%
Tselemt	132	73	205	4	-	4	136	73	209	35%

3.5 Gambella Region Rural water supply schemes functionality Status

Admin	On spot		RP sources		Total			NFR(KPI-3) %
	Fn	NF	Fn	NF	Fn	NF	Total	
Gambela	789	222	16	1	805	223	1,028	22%
Angewak	244	36	8	1	252	37	289	13%
Abobo	80	14	-	-	80	14	94	15%
Dima	31	8	2	-	33	8	41	20%
Gambela Zuriya	36	7	5	1	41	8	49	16%
Gog	57	6	1	-	58	6	64	9%
Jor	40	1	-	-	40	1	41	2%
Itang Special	73	41	-	-	73	41	114	36%
Itang	73	41	-	-	73	41	114	36%
Mejenger	139	38	8	-	147	38	185	21%
Godere	76	19	3	-	79	19	98	19%
Mengeshi	63	19	5	-	68	19	87	22%
Newer	333	107	-	-	333	107	440	24%
Akobo	12	2	-	-	12	2	14	14%
Jikawo	61	23	-	-	61	23	84	27%
Lare	93	31	-	-	93	31	124	25%
Makoy	98	19	-	-	98	19	117	16%
Wantawo	69	32	-	-	69	32	101	32%

3.6 Harari Region Rural water supply schemes functionality Status

Administrative	No. of Onspot Schemes		No. of RPS sources		Total			Non Functionality Rate
Admin	Functional	Non-Functional	Functional	Non-Functional	Functional	Non-Functional	Total	
Hareri region	135	95	10	2	145	97	242	40.1
Dire Teyara	71	43	1		72	43	115	37.4
Error	24	29	3	-	27	29	56	51.2
Sofi	40	23	6	2	46	25	71	35.2

3.7 Somali Region Rural water supply schemes functionality Status

Region/ Zone/ woreda	On spot Schemes			RWS Source			Total schemes			Non-Functionality
	Total	Functional	No functional	Total	Functional	No functional	Total	Functional	Non functional	
Ethiopia Somali	523	236	287	426	254	172	949	490	459	48.4
Afdear	22	11	11	16	9	7	38	20	18	47.4
Bare	4	1	3	1	0	1	5	1	4	80.0
Chereti	5	3	2	2	2	-	7	5	2	28.6
Dolo Bay	12	6	6	6	4	2	8	10	8	44.4
Elkere	-	-	-	4	1	3	4	1	3	75.0
Godgod	-	-	-	1	0	1	1	0	1	100.0
Haregele	-	-	-	1	1	-	1	1	0	-
Mirab Emiy	-	-	-	1	1	-	1	1	0	-
Raaso	1	1	-	0	0	-	1	1	0	-
Dawa	11	6	5	24	8	16	35	14	21	60.0
Hudet	7	4	3	4	3	1	11	7	4	36.4
Kadaduma	0	0	-	4	0	4	4	0	4	100.0
Moyale	4	2	2	3	4	9	17	6	11	64.7
Mubarek	0	0	-	3	1	2	3	1	2	66.7

Region/ Zone/ woreda	On spot Schemes			RWS Source			Total schemes			Non- Function ality
	Total	Function al	No function al	Total	Function al	No function al	Total	Function n	Non function n	
Dollo	5	4	1	19	16	3	24	20	4	16.7
Boh	1	1	-	2	2	-	3	3	0	-
Danot	1	1	-	0	0	-	1	1	0	-
Daratole	0	0	-	1	1	-	1	1	0	-
Galladi	0	0	-	9	7	2	9	7	2	22.2
Gelahemur	0	0	-	1	1	-	1	1	0	-
Lehel Yuob	2	1	1	1	1	-	3	2	1	33.3
Warder	1	1	-	5	4	1	6	5	1	16.7
Erer	38	17	21	7	7	-	45	24	21	46.7
Fiqi	6	6	-	0	0	-	6	6	0	-
Hamero	7	7	-	2	2	-	9	9	0	-
Legahida	2	0	2	0	0	-	2	0	2	100.0
Meyu Mulique	4	4	-	0	0	-	4	4	0	-
Fafan	92	38	54	155	85	70	247	123	124	50.2
Awebera	23	5	18	4	15	9	47	20	27	57.4
Babile	8	2	6	23	13	10	31	15	16	51.6
Debub Jigjiga	7	2	5	10	6	4	17	8	9	52.9
Golgeno	0	0	-	3	1	2	3	1	2	66.7
Gursum	37	23	14	58	26	32	95	49	46	48.4
Harewa	16	6	10	11	9	2	27	15	12	44.4
Harores	0	0	-	3	1	2	3	1	2	66.7
Harshin	0	0	-	1	1	-	1	1	0	-
Qebribeyah	0	0	-	15	11	4	15	11	4	26.7
Qoran Mula	0	0	-	3	1	2	3	1	2	66.7
Tulu Guled	1	0	1	4	1	3	5	1	4	80.0
Jerer	12	6	6	27	17	10	39	23	16	41.0
Ararso	1	0	1	5	4	1	6	4	2	33.3
Aware	0	0	-	2	1	1	2	1	1	50.0
Buriqot	0	0	-	7	4	3	7	4	3	42.9

Region/ Zone/ woreda	On spot Schemes			RWS Source			Total schemes			Non- Function ality
	Total	Function al	No function al	Total	Function al	No function al	Total	Function n	Non function n	
Daror	1	1	-	1	1	-	2	2	0	-
Degamedo	0	0	-	6	2	4	6	2	4	66.7
Degehabur	3	3	-	2	2	-	5	5	0	-
Gashamo	3	1	2	2	1	1	5	2	3	60.0
Gunegedo	4	1	3	1	1	-	5	2	3	60.0
Yoale	0	0	-	1	1	-	1	1	0	-
Korahe	43	21	22	36	25	11	79	46	33	41.8
Bodelay	1	1	-	5	5	-	6	6	0	-
Debawayin	5	5	-	9	7	2	14	12	2	14.3
Elogaden	0	0	-	1	0	1	1	0	1	100.0
Gogilo	1	1	-	7	3	4	8	4	4	50.0
Kebridehar	10	6	4	5	4	1	15	10	5	33.3
Lasdenkere	22	6	16	0	0	-	22	6	16	72.7
Marsin	0	0	-	2	1	1	2	1	1	50.0
Shakosh	0	0	-	5	4	1	5	4	1	20.0
Shilabo	4	2	2	2	1	1	6	3	3	50.0
Liben	33	20	13	39	29	10	72	49	23	31.9
Bokolmayu	0	0	-	5	5	-	5	5	0	-
Deka Softu	3	2	1	0	0	-	3	2	1	33.3
Dolo Addo	1	0	1	27	21	6	28	21	7	25.0
Filtu	18	9	9	4	2	2	22	11	11	50.0
Goro Bekeksa	4	4	-	2	1	1	6	5	1	16.7
Gura Damole	7	5	2	0	0	-	7	5	2	28.6
Karssa Dula	0	0	-	1	0	1	1	0	1	100.0
Nogob	151	51	100	23	6	17	174	57	117	67.2
Ayun	15	11	4	0	0	-	15	11	4	26.7
Duhun	40	3	37	3	3	-	43	6	37	86.0
Elweyne	19	0	19	2	0	2	21	0	21	100.0
Gerbo	12	12	-	3	2	1	15	14	1	6.7

Region/ Zone/ woreda	On spot Schemes			RWS Source			Total schemes			Non- Function ality
	Total	Function al	No function al	Total	Function al	No function al	Total	Function n	Non function n	
Hararey	5	0	5	0	0	-	5	0	5	100.0
Haroshegah	13	4	9	1	1	-	14	5	9	64.3
Sagage	47	21	26	14	0	14	61	21	40	65.6
Shebele	27	17	10	23	12	11	50	29	21	42.0
Abaqero	0	0	-	1	1	-	1	1	0	-
Adadle	3	2	1	3	0	3	6	2	4	66.7
Beerano	1	0	1	4	1	3	5	1	4	80.0
Danan	6	3	3	3	1	2	9	4	5	55.6
East Eme	0	0	-	1	1	-	1	1	0	-
Ferfer	2	1	1	5	4	1	7	5	2	28.6
Gode	4	2	2	0	0	-	4	2	2	50.0
Kelafo	8	8	-	1	1	-	9	9	0	-
Mustahil	3	1	2	5	3	2	8	4	4	50.0
Siti	108	45	63	62	45	17	170	90	80	47.1
Adigala	5	2	3	1	0	1	6	2	4	66.7
Afdem	0	0	-	2	2	-	2	2	0	-
Aysha	18	5	13	14	7	7	32	12	20	62.5
Dembel	19	8	11	13	10	3	32	18	14	43.8
Erer	38	17	21	7	7	-	45	24	21	46.7
Geblelo	3	3	-	1	1	-	4	4	0	-
Gotabike	5	1	4	6	3	3	11	4	7	63.6
MeAso	0	0	-	12	12	-	12	12	0	-
Shinile	20	9	11	6	3	3	26	12	14	53.8

3.8 SNNP Region Rural water supply schemes functionality Status

Admin	On spot			RPS sources			Total schemes			NFR(K PI-3)%
	Fn	NF	Sub taol	FN	NF	Sub total	FN	NF	Total	
SNNP	12,561	3,261	15,822	2,306	296	2,602	14,867	3,557	18,424	19%
Alaba Special	1	-	1	45	5	50	46	5	51	10%
Basketo Special	117	51	168	10	6	16	127	57	184	31%
Bench Maji	850	278	1,128	14	2	16	864	280	1,144	24%
Bero	33	12	45	1	1	2	34	13	47	28%
Debub Bench	221	26	247	4	-	4	225	26	251	10%
Guraferda	2	27	29	-	-	-	2	27	29	93%
Maji	40	32	72	-	-	-	40	32	72	44%
Meanietgoldia	147	28	175	-	-	-	147	28	175	16%
Mentishasha	54	47	101	1	-	1	55	47	102	46%
Semen Bench maji	158	36	194	2	-	2	160	36	196	18%
Shay Bench	132	63	195	2	-	2	134	63	197	32%
Sheko	52	-	52	-	-	-	52	-	52	0%
Surma	11	7	18	4	1	5	15	8	23	35%
Dawro	664	133	797	201	23	224	865	156	1,021	15%
Esera	145	31	176	15	5	20	160	36	196	18%
Gena Bosa	78	12	90	55	-	55	133	12	145	8%
Loma	151	18	169	30	1	31	181	19	200	10%
Maraka	131	51	182	77	15	92	208	66	274	24%
Tocha	159	21	180	24	2	26	183	23	206	11%
Debub Omo	426	247	673	95	16	111	521	263	784	34%
Bena Tsemay	51	47	98	10	3	13	61	50	111	45%
Dasenech	35	44	79	17	3	20	52	47	99	47%
Debub Ari	149	61	210	27	3	30	176	64	240	27%
Hamer	102	40	142	10	4	14	112	44	156	28%
Malle	9	10	19	16	-	16	25	10	35	29%
Nyangatom	6	17	23	3	3	6	9	20	29	69%
Salamago	25	25	50	2	-	2	27	25	52	48%
Semen Ari	49	3	52	10	-	10	59	3	62	5%
Gamo Gofa	1,122	235	1,357	670	75	745	1,792	310	2,102	15%
Arbaminch Zuriya	192	17	209	81	9	90	273	26	299	9%

Admin	On spot			RPS sources			Total schemes			NFR(K PI-3)%
	Fn	NF	Sub taol	FN	NF	Sub total	FN	NF	Total	
Bonke	113	10	123	84	1	85	197	11	208	5%
Boreda	66	42	108	53	9	62	119	51	170	30%
Chenchä	202	21	223	45	4	49	247	25	272	9%
Denba Gofa	74	19	93	37	16	53	111	35	146	24%
Deremalo	44	17	61	55	3	58	99	20	119	17%
Dita	60	1	61	38	-	38	98	1	99	1%
Geze Gofa	75	6	81	13	-	13	88	6	94	6%
Kemba	53	13	66	57	4	61	110	17	127	13%
Melo Koza	63	5	68	21	-	21	84	5	89	6%
Mirab Abaya	54	10	64	53	10	63	107	20	127	16%
Oyida	24	6	30	11	-	11	35	6	41	15%
Qucha	62	46	108	74	16	90	136	62	198	31%
Ubadebretsehay	12	10	22	13	2	15	25	12	37	32%
Zala	28	12	40	35	1	36	63	13	76	17%
Gedeo	936	184	1,120	61	9	70	997	193	1,190	16%
Bule	135	34	169	6	1	7	141	35	176	20%
Dilla Zuria	173	13	186	9	1	10	182	14	196	7%
Gedeb	114	26	140	10	1	11	124	27	151	18%
Kochore	111	28	139	22	2	24	133	30	163	18%
Wonago	160	52	212	4	3	7	164	55	219	25%
Yirga Chefe	243	31	274	10	1	11	253	32	285	11%
Gurage	1,049	328	1,377	150	16	166	1,199	344	1,543	22%
Abashige	83	10	93	11	-	11	94	10	104	10%
Cheha	73	38	111	15	5	20	88	43	131	33%
Endegagn	27	21	48	4	1	5	31	22	53	42%
Enemor Ena Ener	102	23	125	12	1	13	114	24	138	17%
Ezha	35	5	40	9	-	9	44	5	49	10%
Geta	46	5	51	11	-	11	57	5	62	8%
Gumer	59	8	67	14	1	15	73	9	82	11%
Kabena	58	10	68	4	-	4	62	10	72	14%
Kokir Gedebano Gutazar Welene	99	47	146	9	1	10	108	48	156	31%
Mareko	67	21	88	12	2	14	79	23	102	23%

Admin	On spot			RPS sources			Total schemes			NFR(K PI-3)%
	Fn	NF	Sub taol	FN	NF	Sub total	FN	NF	Total	
Meskan	233	53	286	20	2	22	253	55	308	18%
Mihurinaaklili	96	42	138	8	2	10	104	44	148	30%
Sodo	71	45	116	21	1	22	92	46	138	33%
Hadiya	618	199	817	129	25	154	747	224	971	23%
Analemmo	19	11	30	3	2	5	22	13	35	37%
Duna	97	21	118	27	2	29	124	23	147	16%
Gembora	19	23	42	7	2	9	26	25	51	49%
Gibe	34	12	46	8	1	9	42	13	55	24%
Limu	62	23	85	15	-	15	77	23	100	23%
Merab Badawacho	36	23	59	6	1	7	42	24	66	36%
Misha	109	19	128	8	-	8	117	19	136	14%
Misrak Badowoch	62	26	88	22	10	32	84	36	120	30%
Shashego	121	26	147	6	1	7	127	27	154	18%
Soro	59	15	74	27	6	33	86	21	107	20%
Kefa	1,004	239	1,243	54	11	65	1,058	250	1,308	19%
Adiyo	95	16	111	2	-	2	97	16	113	14%
Bitu	154	4	158	6	-	6	160	4	164	2%
Chena	76	35	111	3	2	5	79	37	116	32%
Cheta	23	13	36	1	-	1	24	13	37	35%
Decha	48	31	79	15	5	20	63	36	99	36%
Gesha Deka	132	30	162	14	3	17	146	33	179	18%
Gewata	129	21	150	7	-	7	136	21	157	13%
Gimbo	149	46	195	6	1	7	155	47	202	23%
Saylem	136	23	159	-	-	-	136	23	159	14%
Telo	62	20	82	-	-	-	62	20	82	24%
Kembata Tembaro	396	214	610	103	20	123	499	234	733	32%
Angecha	93	53	146	2	2	4	95	55	150	37%
Damboya	27	16	43	12	2	14	39	18	57	32%
Doyogena	92	31	123	7	3	10	99	34	133	26%
Hadaro Tunto	46	63	109	4	1	5	50	64	114	56%
Kachabira	39	18	57	33	7	40	72	25	97	26%
Kedida Gamella	41	26	67	16	3	19	57	29	86	34%
Tembaro	58	7	65	29	2	31	87	9	96	9%

Admin	On spot			RPS sources			Total schemes			NFR(K PI-3)%
	Fn	NF	Sub taol	FN	NF	Sub total	FN	NF	Total	
Konta Liyu	178	14	192	19	-	19	197	14	211	7%
Segen Akababi Hizboch	114	47	161	126	15	141	240	62	302	21%
Alle	23	9	32	32	1	33	55	10	65	15%
Amaro	13	7	20	17	2	19	30	9	39	23%
Burji	18	4	22	13	2	15	31	6	37	16%
Dirashe	38	12	50	51	9	60	89	21	110	19%
Konso	22	15	37	13	1	14	35	16	51	31%
Sheka	303	34	337	8	1	9	311	35	346	10%
Andracha	79	7	86	4	-	4	83	7	90	8%
Masha	139	12	151	1	-	1	140	12	152	8%
Yeki	85	15	100	3	1	4	88	16	104	15%
Sidama	3,572	716	4,288	282	56	338	3,854	772	4,626	17%
Aleta Wondo	332	83	415	2	1	3	334	84	418	20%
Aletachuko	103	24	127	16	3	19	119	27	146	18%
Arbegona	316	37	353	10	1	11	326	38	364	10%
Aroresa	215	54	269	13	1	14	228	55	283	19%
Bensa	269	53	322	27	9	36	296	62	358	17%
Bona Zuria	255	13	268	7	-	7	262	13	275	5%
Boricha	11	42	53	6	2	8	17	44	61	72%
Bursa	211	21	232	10	1	11	221	22	243	9%
Chire	144	20	164	-	-	-	144	20	164	12%
Dale	232	83	315	27	4	31	259	87	346	25%
Dara	365	61	426	11	2	13	376	63	439	14%
Gorche	221	30	251	2	-	2	223	30	253	12%
Hawassa Zuriya	1	-	1	11	4	15	12	4	16	25%
Hula	294	50	344	7	2	9	301	52	353	15%
Loko Abaya	33	10	43	33	-	33	66	10	76	13%
Malga	165	38	203	3	-	3	168	38	206	18%
Shebedino	76	18	94	73	25	98	149	43	192	22%
Wendo Genet	136	31	167	22	-	22	158	31	189	16%
Wonsho	193	48	241	2	1	3	195	49	244	20%
Silite	426	126	552	88	5	93	514	131	645	20%

Admin	On spot			RPS sources			Total schemes			NFR(K PI-3)%
	Fn	NF	Sub taol	FN	NF	Sub total	FN	NF	Total	
Dallocha	12	2	14	3	-	3	15	2	17	12%
Halicho Wiriroo	63	22	85	4	1	5	67	23	90	26%
Hulbareg	51	16	67	5	-	5	56	16	72	22%
Lanfuro	37	7	44	15	1	16	52	8	60	13%
Miereb Azernet Berbere	82	46	128	15	2	17	97	48	145	33%
Misrak Azernet	70	13	83	6	-	6	76	13	89	15%
Sankura	-	-	-	16	-	16	16	-	16	0%
Silti	111	20	131	24	1	25	135	21	156	13%
Welayta	642	175	817	248	11	259	890	186	1,076	17%
Bolosore Sore	138	26	164	15	1	16	153	27	180	15%
Bolosobombe	39	23	62	10	-	10	49	23	72	32%
Damot Sore	85	21	106	20	-	20	105	21	126	17%
Damot Weyde	12	1	13	4	-	4	16	1	17	6%
Damotgale	54	41	95	19	2	21	73	43	116	37%
Damotpulasa	108	26	134	8	1	9	116	27	143	19%
Duguna Fango	6	-	6	9	-	9	15	-	15	0%
Humbo	37	5	42	19	4	23	56	9	65	14%
Kindo Didaye	31	3	34	68	2	70	99	5	104	5%
Kindo Koisha	39	6	45	42	1	43	81	7	88	8%
Ofa	71	16	87	30	-	30	101	16	117	14%
Sodo Zuria	22	7	29	4	-	4	26	7	33	21%
Yem Liyu	143	41	184	3	-	3	146	41	187	22%

3.9 Oromia Region Rural water supply schemes functionality Status

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Oromiya	45,891	37,914	7,977	3,506	2,853	653	49,397	40,767	8,630	17.5
Arsi	2076	1706	370	374	330	44	2450	2036	414	16.9
Amigna	93	91	2	30	29	1	123	120	3	2.4
Chole	39	32	7	20	16	4	59	48	11	18.6
Gololcha	180	135	45	13	13	0	193	148	45	23.3
Guna	49	45	4	39	32	7	88	77	11	12.5
Honkolo Wabe	37	26	11	22	17	5	59	43	16	27.1
Jeju	89	57	32	30	27	3	119	84	35	29.4
Lemu Na Bilbilo	76	55	21	15	13	2	91	68	23	25.3
Robe	170	150	20	16	11	5	186	161	25	13.4
Shanen Kolu	119	95	24	4	4	0	123	99	24	19.5
Sire	15	12	3	30	29	1	45	41	4	8.9
Sude	74	64	10	3	3	0	77	67	10	13.0
Zewaydugda	487	421	66	27	22	5	514	443	71	13.8
Seru	72	66	6	8	8	0	80	74	6	7.5
Aseko	51	41	10	17	16	1	68	57	11	16.2
Diksis	61	60	1	4	2	2	65	62	3	4.6
Digalu Na Tijo	50	47	3	15	15	0	65	62	3	4.6
Munesa	120	81	39	12	10	2	132	91	41	31.1
Tiyo	28	8	20	5	3	2	33	11	22	66.7
Bele Gesigar	138	123	15	4	4	0	142	127	15	10.6
Tena	13	12	1	22	22	0	35	34	1	2.9
Lodehitosa	55	35	20	8	6	2	63	41	22	34.9
Merti	22	16	6	13	12	1	35	28	7	20.0
Shirka	38	34	4	17	16	1	55	50	5	9.1
Bale	579	358	221	208	170	38	787	528	259	32.9
Agarfa	70	55	15	0	0	0	70	55	15	21.4
Arena Buluk	80	43	37	2	1	1	82	44	38	46.3
Dawe Kachin	3	1	2	1	6	-5	4	7	-3	(75.0)
Delo Mena	85	20	65	12	0	12	97	20	77	79.4

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Dinsho	29	23	6	12	12	0	41	35	6	14.6
Gasera	30	15	15	0	0	0	30	15	15	50.0
Ginir	10	7	3	25	24	1	35	31	4	11.4
Goba	39	28	11	7	7	0	46	35	11	23.9
Gololcha	180	135	45	13	13	0	193	148	45	23.3
Goro	27	26	1	21	21	0	48	47	1	2.1
Gura Damole	0	0	0	40	30	10	40	30	10	25.0
Legahida	28	17	11	20	14	6	48	31	17	35.4
Meda Welabu	108	84	24	2	2	0	110	86	24	21.8
Rayitu	1	1	0	3	3	0	4	4	0	-
Seweyna	4	2	2	19	13	6	23	15	8	34.8
Sinana	8	4	4	8	8	0	16	12	4	25.0
Berbere	49	24	25	23	17	6	72	41	31	43.1
Dawe Serer	2	2	0	0	0	0	2	2	0	-
Borena	286	176	110	97	74	23	383	250	133	34.7
Arero	21	14	7	3	2	1	24	16	8	33.3
Dhasi	20	17	3	9	6	3	29	23	6	20.7
Dilo	7	6	1	8	6	2	15	12	3	20.0
Dire	25	16	9	11	7	4	36	23	13	36.1
Dubluk	14	8	6	9	8	1	23	16	7	30.4
El Waye	10	7	3	6	4	2	16	11	5	31.3
Gomole	33	14	19	4	2	2	37	16	21	56.8
Guchi	4	3	1	2	1	1	6	4	2	33.3
Miyo	110	67	43	6	5	1	116	72	44	37.9
Moyale	21	11	10	5	4	1	26	15	11	42.3
Wachile	1	1	0	4	4	0	5	5	0	-
Yabalo	15	9	6	14	11	3	29	20	9	31.0
Teltele	5	3	2	16	14	2	21	17	4	19.0
Buno Bedele	2544	2213	331	12	7	5	2556	2220	336	13.1
Bedele Zuriya	421	386	35	0	0	0	421	386	35	8.3
Borecha	391	351	40	1	1	0	392	352	40	10.2

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Chora	330	300	30	2	1	1	332	301	31	9.3
Dabo Hana	404	336	68	3	1	2	407	337	70	17.2
Dega	220	201	19	1	0	1	221	201	20	9.0
Didessa	274	224	50	4	3	1	278	227	51	18.3
Gechi	292	219	73	1	1	0	293	220	73	24.9
Makko	212	196	16	0	0	0	212	196	16	7.5
Dehub Mirab Shewa	1587	1447	140	183	154	29	1770	1601	169	9.5
Ameya	214	198	16	7	7	0	221	205	16	7.2
Bacho	235	221	14	9	6	3	244	227	17	7.0
Dawo	128	121	7	10	10	0	138	131	7	5.1
Goro	27	26	1	21	21	0	48	47	1	2.1
Kersa Malima	38	33	5	37	28	9	75	61	14	18.7
Saden Soddo	117	104	13	61	59	2	178	163	15	8.4
Sodo Dachi	0	0	0	20	17	3	20	17	3	15.0
Tole	142	130	12	12	5	7	154	135	19	12.3
Wenchi	107	94	13	14	12	2	121	106	15	12.4
Ilu	201	188	13	4	2	2	205	190	15	7.3
Woliso	260	233	27	8	8	0	268	241	27	10.1
Guji	1153	899	254	39	31	8	1192	930	262	22.0
Anasora	162	133	29	1	1	0	163	134	29	17.8
Bore	218	172	46	6	4	2	224	176	48	21.4
Gereja	104	79	25	2	1	1	106	80	26	24.5
Liben	56	33	23	16	14	2	72	47	25	34.7
Wadara	92	70	22	6	3	3	98	73	25	25.5
Goro Dola	1	1	0	1	1	0	2	2	0	-
Haro Welabu	42	41	1	0	0	0	42	41	1	2.4
Uraga	161	140	21	2	2	0	163	142	21	12.9
Dama	134	89	45	1	1	0	135	90	45	33.3
Adola	91	64	27	3	3	0	94	67	27	28.7
Odo Shakiso	73	61	12	1	1	0	74	62	12	16.2

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Aga Wayu	10	10	0	0	0	0	10	10	0	-
Seba Boru	9	6	3	0	0	0	9	6	3	33.3
Ilu Ababor	4054	3475	579	12	11	1	4066	3486	580	14.3
Alge Sachi	440	387	53	0	0	0	440	387	53	12.0
Alle	214	144	70	4	3	1	218	147	71	32.6
Bacho	235	221	14	9	6	3	244	227	17	7.0
Bilo Nopa	270	241	29	0	0	0	270	241	29	10.7
Darimu	624	531	93	2	2	0	626	533	93	14.9
Didu	218	192	26	0	0	0	218	192	26	11.9
Doranni	262	224	38	0	0	0	262	224	38	14.5
Halu	186	155	31	0	0	0	186	155	31	16.7
Hurumu	389	342	47	1	1	0	390	343	47	12.1
Mettu	388	341	47	1	1	0	389	342	47	12.1
Nono Sele	207	190	17	0	0	0	207	190	17	8.2
Yayo	297	257	40	3	3	0	300	260	40	13.3
Bure	316	270	46	1	1	0	317	271	46	14.5
Jimma	11519	9707	1812	112	98	14	11631	9805	1826	15.7
Boter Tolay	170	145	25	6	5	1	176	150	26	14.8
Cora Botar	408	301	107	2	2	0	410	303	107	26.1
Dedo	462	418	44	3	3	0	465	421	44	9.5
Gera	837	711	126	6	5	1	843	716	127	15.1
Gomma	1048	930	118	23	23	0	1071	953	118	11.0
Gumay	446	396	50	0	0	0	446	396	50	11.2
Kersa	709	589	120	9	5	4	718	594	124	17.3
Limu Kosa	626	526	100	11	9	2	637	535	102	16.0
Limu Seka	382	345	37	2	2	0	384	347	37	9.6
Mana	788	705	83	16	13	3	804	718	86	10.7
Mencho	625	590	35	0	0	0	625	590	35	5.6
Nono Benja	403	311	92	0	0	0	403	311	92	22.8
Omo Beyam	293	270	23	1	1	0	294	271	23	7.8
Omo Nada	643	527	116	4	4	0	647	531	116	17.9

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Seka Chekorsa	858	694	164	5	4	1	863	698	165	19.1
Setema	635	482	153	1	1	0	636	483	153	24.1
Shebe Sonbo	409	327	82	1	1	0	410	328	82	20.0
Sigimo	913	734	179	3	3	0	916	737	179	19.5
Sokoru	338	253	85	6	5	1	344	258	86	25.0
Tiroafeta	526	453	73	13	12	1	539	465	74	13.7
Mierak Hararge	1629	1033	596	558	392	166	2187	1425	762	34.8
Babile	39	16	23	174	96	78	213	112	101	47.4
Bedeno	42	32	10	38	31	7	80	63	17	21.3
Chinaksen	70	43	27	11	8	3	81	51	30	37.0
Deder	90	60	30	30	22	8	120	82	38	31.7
Fedis	28	17	11	16	12	4	44	29	15	34.1
Girawa	59	23	36	17	9	8	76	32	44	57.9
Golo Oda	16	9	7	24	19	5	40	28	12	30.0
Goro Muti	17	13	4	19	18	1	36	31	5	13.9
Gorogutu	91	68	23	49	38	11	140	106	34	24.3
Gursum	269	206	63	6	5	1	275	211	64	23.3
Haremaya	279	109	170	5	3	2	284	112	172	60.6
Jarso	84	53	31	26	13	13	110	66	44	40.0
Kersa	709	589	120	9	5	4	718	594	124	17.3
Kombolcha	191	142	49	5	4	1	196	146	50	25.5
Kumbi	0	0	0	1	0	1	1	0	1	100.0
Kurfa Chele	9	9	0	29	21	8	38	30	8	21.1
Melka Belo	62	47	15	50	45	5	112	92	20	17.9
Meta	64	49	15	18	18	0	82	67	15	18.3
Meyu Muluke	6	3	3	9	9	0	15	12	3	20.0
Midaga Tola	0	0	0	8	2	6	8	2	6	75.0
Mirab Arsi	1944	1524	420	226	168	58	2170	1692	478	22.0
Adaba	176	143	33	19	13	6	195	156	39	20.0
Arsi Negele	45	35	10	88	75	13	133	110	23	17.3

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Dodola	268	227	41	27	10	17	295	237	58	19.7
Heben Arsi	40	24	16	6	6	0	46	30	16	34.8
Kofale	281	216	65	3	0	3	284	216	68	23.9
Kokossa	334	291	43	0	0	0	334	291	43	12.9
Kore	314	170	144	0	0	0	314	170	144	45.9
Nensebo	123	107	16	29	26	3	152	133	19	12.5
Shala	0	0	0	8	8	0	8	8	0	-
Shashemane	152	127	25	20	10	10	172	137	35	20.3
Siraro	4	4	0	12	9	3	16	13	3	18.8
Wendo	47	32	15	0	0	0	47	32	15	31.9
Gadeb Asesa	160	148	12	14	11	3	174	159	15	8.6
Mirab Hararghe	611	373	238	259	197	62	870	570	300	34.5
Ancar	59	30	29	31	21	10	90	51	39	43.3
Chiro	62	27	35	52	31	21	114	58	56	49.1
Doba	56	43	13	20	18	2	76	61	15	19.7
Mieso	10	9	1	26	26	0	36	35	1	2.8
Oda Bultum	85	59	26	8	5	3	93	64	29	31.2
Tulo	64	43	21	16	8	8	80	51	29	36.3
Guba Koricha	25	15	10	7	7	0	32	22	10	31.3
Gemechis	45	32	13	13	12	1	58	44	14	24.1
Habro	138	78	60	24	19	5	162	97	65	40.1
Daro Labu	31	13	18	16	9	7	47	22	25	53.2
Mesela	28	17	11	24	22	2	52	39	13	25.0
Boke	0	0	0	10	8	2	10	8	2	20.0
Gumbi Bordede	0	0	0	8	7	1	8	7	1	12.5
Burka Dhintu	3	2	1	2	2	0	5	4	1	20.0
Hawi Gudina	5	5	0	2	2	0	7	7	0	-
Mirab Shewa	2719	2121	598	580	506	74	3299	2627	672	20.4
Abuna Gindeberet	188	148	40	7	5	2	195	153	42	21.5

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Ambo Zuriyai	71	52	19	70	63	7	141	115	26	18.4
Bako Tibe	243	204	39	6	3	3	249	207	42	16.9
Cheliya	146	123	23	140	119	21	286	242	44	15.4
Cobi	20	18	2	17	12	5	37	30	7	18.9
Dendi	1	0	1	1	1	0	2	1	1	50.0
Dire Inchini	129	103	26	4	3	1	133	106	27	20.3
Ejere	201	166	35	46	44	2	247	210	37	15.0
Ejersa Lafo	126	110	16	0	0	0	126	110	16	12.7
Elfeta	78	58	20	131	114	17	209	172	37	17.7
Gindeberet	6	4	2	3	2	1	9	6	3	33.3
Ilu Galan	174	119	55	2	2	0	176	121	55	31.3
Jawi Liban	56	42	14	37	34	3	93	76	17	18.3
Jibat	107	66	41	8	7	1	115	73	42	36.5
Medakegn	150	103	47	7	4	3	157	107	50	31.8
Nono	129	100	29	9	6	3	138	106	32	23.2
Jeldu	176	143	33	10	9	1	186	152	34	18.3
Meta Walkite	142	126	16	0	0	0	142	126	16	11.3
Toke Kutaye	103	83	20	7	6	1	110	89	21	19.1
Dano	193	136	57	6	5	1	199	141	58	29.1
Adea Berga	191	148	43	66	64	2	257	212	45	17.5
Meta Robi	89	69	20	3	3	0	92	72	20	21.7
Mirab Wollega	3520	3145	375	61	57	4	3581	3202	379	10.6
Ayira	129	125	4	3	2	1	132	127	5	3.8
Bojidimaji	222	203	19	20	20	0	242	223	19	7.9
Jarso	84	53	31	26	13	13	110	66	44	40.0
Seyo Nole	96	82	14	0	0	0	96	82	14	14.6
Guliso	21	21	0	0	0	0	21	21	0	-
Nole Kaba	218	196	22	1	1	0	219	197	22	10.0
Babo Gambel	127	95	32	1	1	0	128	96	32	25.0
Haru	276	271	5	12	12	0	288	283	5	1.7

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Boji Chokorsa	254	242	12	0	0	0	254	242	12	4.7
Kiltu Kara	219	186	33	0	0	0	219	186	33	15.1
Gimbi	238	206	32	5	5	0	243	211	32	13.2
Yubdo	70	66	4	0	0	0	70	66	4	5.7
Nejo	347	311	36	7	6	1	354	317	37	10.5
Homa	247	232	15	4	3	1	251	235	16	6.4
Leta Sibu	190	158	32	3	3	0	193	161	32	16.6
Mana Sibu	217	180	37	0	0	0	217	180	37	17.1
Lalo Asabi	172	165	7	3	3	0	175	168	7	4.0
Kondala	14	10	4	0	0	0	14	10	4	28.6
Begi	134	118	16	2	1	1	136	119	17	12.5
Ganji	2	2	0	0	0	0	2	2	0	-
Misrak Shewa	1093	837	256	237	208	29	1330	1045	285	21.4
Adama	11	3	8	24	23	1	35	26	9	25.7
Adamitulu	72	55	17	37	34	3	109	89	20	18.3
Adea	161	142	19	21	20	1	182	162	20	11.0
Bora	61	29	32	19	16	3	80	45	35	43.8
Boset	1	1	0	17	16	1	18	17	1	5.6
Dugda	195	113	82	36	26	10	231	139	92	39.8
Gimbichu	171	149	22	16	16	0	187	165	22	11.8
Liben Chukala	242	198	44	19	17	2	261	215	46	17.6
Lume	114	108	6	20	17	3	134	125	9	6.7
Fentale	16	13	3	15	10	5	31	23	8	25.8
Akeki	49	26	23	13	13	0	62	39	23	37.1
Misrak Wollega	3350	2747	603	57	46	11	3407	2793	614	18.0
Diga	128	103	25	14	9	5	142	112	30	21.1
Gobu Seyo	237	201	36	2	2	0	239	203	36	15.1
Haro Limu	291	238	53	11	9	2	302	247	55	18.2
Jima Arjo	189	123	66	1	1	0	190	124	66	34.7

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Limu	166	151	15	8	8	0	174	159	15	8.6
Sasiga	273	188	85	3	2	1	276	190	86	31.2
Ebantu	166	135	31	4	3	1	170	138	32	18.8
Gutogida	157	119	38	1	1	0	158	120	38	24.1
Wama Hagelo	164	154	10	1	0	1	165	154	11	6.7
Bonayaboshe	148	137	11	0	0	0	148	137	11	7.4
Kiramu	112	84	28	2	1	1	114	85	29	25.4
Gida Ayana	228	183	45	0	0	0	228	183	45	19.7
Wayu Tuqa	141	118	23	3	3	0	144	121	23	16.0
Gudaya Bila	235	211	24	0	0	0	235	211	24	10.2
Sibu Sire	310	285	25	7	7	0	317	292	25	7.9
Nunu Kumba	162	126	36	0	0	0	162	126	36	22.2
Leka Dulecha	243	191	52	0	0	0	243	191	52	21.4
Oromiya Liyu Zone	887	704	183	93	61	32	980	765	215	21.9
Sululta	203	163	40	23	20	3	226	183	43	19.0
Mulo	144	110	34	33	15	18	177	125	52	29.4
Sabata Hawas	136	109	27	26	17	9	162	126	36	22.2
Walmara	241	185	56	5	5	0	246	190	56	22.8
Berak	163	137	26	6	4	2	169	141	28	16.6
Semen Shewa	4225	3755	470	270	246	24	4495	4001	494	11.0
Abichu And Gnea Woreda	540	498	42	54	47	7	594	545	49	8.2
Aleltu	207	172	35	38	36	2	245	208	37	15.1
Dagam	225	160	65	7	7	0	232	167	65	28.0
Darra	233	211	22	18	17	1	251	228	23	9.2
Debre Libanos	308	291	17	16	14	2	324	305	19	5.9
Girar Jarso	182	158	24	71	70	1	253	228	25	9.9
Hidebu Abote	40	26	14	11	11	0	51	37	14	27.5
Jida	382	349	33	17	15	2	399	364	35	8.8

Admin	On spot Number of Schemes			RWS Source			Total Schemes			Non-Functionality
	Total	Functional	Non functional	Total	Functional	Non functional	Total	Functional	Non functional	
Kimbibit	494	451	43	4	4	0	498	455	43	8.6
Kuyu	339	287	52	5	5	0	344	292	52	15.1
Wara Jarso	484	437	47	3	2	1	487	439	48	9.9
Wuchale	662	604	58	10	8	2	672	612	60	8.9
Yaya Gulele	129	111	18	16	10	6	145	121	24	16.6
Horo Guduru Wollega	2108	1687	421	127	96	31	2235	1783	452	20.2
Abaychoman	183	167	16	1	1	0	184	168	16	8.7
Abedongoro	216	189	27	17	14	3	233	203	30	12.9
Hababoguduru	251	223	28	12	12	0	263	235	28	10.6
Jimarare	138	105	33	4	3	1	142	108	34	23.9
Amuru	144	105	39	14	11	3	158	116	42	26.6
Jimmagenate	364	320	44	23	15	8	387	335	52	13.4
Jardaga Jarte	216	152	64	9	8	1	225	160	65	28.9
Chemon Guduru	124	47	77	14	7	7	138	54	84	60.9
Guduru	196	136	60	10	10	0	206	146	60	29.1
Horo	155	136	19	18	15	3	173	151	22	12.7
Horo Buluk	121	107	14	5	0	5	126	107	19	15.1
Kelem Wollega	7	7	0	1	1	0	8	8	0	-
Jima Horo	4	4	0	0	0	0	4	4	0	-
Seyo	3	3	0	1	1	0	4	4	0	-