

# COMMUNITY WATER AND SANITATION AGENCY(CWSA)

# Framework For Assessing And Monitoring Rural And Small Town Water Supply Services In Chana



## THE HEAD OFFICE

COMMUNITY WATER AND SANITATION AGENCY PRIVATE MAIL BAG KOTOKA INTERNATIONAL AIRPORT - ACCRA

TEL: 0302 - 518401/518404/983104 FAX : 0302 - 518402/518405 E-MAIL: info@cwsagh.org WEBSITE : www.cwsagh.org

> LOCATION: off the Legon-Tetteh Quarshie Road About 1km drive along the Standards Board-Gulf House Road Adjacent to the Dept. of Rural Housing Okponglo.

#### NATIONAL ADDRESS & LOCATION OF CWSA HEAD OFFICE

THE CHIEF EXECUTIVE COMMUNITY WATER AND SANITATION AGENCY PRIVATE MAIL BAG

TEL: 0302 - 518401/518404/983104 FAX: 0302 - 518402/518405 E-MAIL: info@cwsagh.org WEBSITE : www.cwsagh.org LOCATION: off the Legon-Tetteh Quarshie Road About 1km drive along the Standards Board-Gulf House Road Adjacent to the Dept. of Rural Housing Okponglo.

## ADDRESSES & LOCATION OF CWSA REGIONAL OFFICES

#### ASHANTI REGION BRONG AHAFO REGION THE REGIONAL DIRECTOR THE REGIONAL DIRECTOR COMMUNITY WATER AND SANITATION AGENCY P.O. BOX KS 9167 P.O. BOX 1431 KUMASI-A/R SUNYANI-BAR TEL:03220-27244/21424 TEL: 03520 - 27342/26462 FAX:03220-27245 FAX: 03520 - 23539 E-MAIL: cwsa\_ash@cwsagh.org/cwsaksi@4u.com.gh E-MAIL: cwsabar@cwsagh.org LOCATION: BEHIND GWCL REGIONAL OFFICE, KUMASI LOCATION: BEHIND TYCO OIL STATION UPPER EAST REGION NORTHERN REGION THE REGIONAL DIRECTOR THE REGIONAL DIRECTOR COMMUNITY WATER AND SANITATION AGENCY P.O. BOX 413 P.O. BOX 810 BOLGATANGA-UER TAMALE – N/R TEL: 03820 - 22261/23161/22146/22712 TEL: 03720 - 22767 / 22677 FAX: 03820 - 22261 FAX: 03720 - 22677 E-MAIL: cwsabolga@cwsagh.org/ E-MAIL: cwsanr@yahoo.com./cwsanr@cwsagh.org cwsaue@4u.com.gh LOCATION: WITHIN GWCL REGIONAL YARD, BOLGA **CENTRAL REGION** EASTERN REGION THE REGIONAL DIRECTOR THE REGIONAL DIRECTOR COMMUNITY WATER AND SANITATION AGENCY P.O. BOX 1315 P.O. BOX KF 1617 CAPE COAST- C/R KOFORIDUA TEL: 03321 - 32231/33895 FAX: 03321 - 33134 FAX: 03420 - 23107 E-MAIL: crcwsa@yahoo.com / cwsacr@cwsagh.org LOCATION: NEAR NATIONAL COLLEGE, CAPE COAST UPPER WEST REGION VOLTA REGION THE REGIONAL DIRECTOR THE REGIONAL DIRECTOR COMMUNITY WATER AND SANITATION AGENCY P.O. BOX 499 P.O. BOX 508 WA-UWR HO – V/R TEL: 03920 - 22153/22352 FAX: 03920 - 22351 FAX: 03620-28266/26075 E-MAIL: cwsauw@yahoo.com/ cwsauw@cwsagh.org m.gh/vrcwsa@cwsagh.org LOCATION: WITHIN GWCL REGIONAL OFFICE YARD, WA GREATER ACCRA REGION WESTERN REGION THE REGIONAL DIRECTOR THE REGIONAL DIRECTOR COMMUNITY WATER AND SANITATION AGENCY P.O. BOX AT 1184 P.O. BOX 255 ACHIMOTA-ACCRA TAKORADI-WR TEL: 034-27359/27360 TEL: 0302 - 518718/518753 FAX: 0302 - 518719 FAX: 031- 23932 E-MAIL: cwsagar@cwsagh.org LOCATION: ON THE SAME PREMISES WITH THE HEAD OFFICE

# MINISTRY OF WATER RESOURCES, WORKS AND HOUSING



# **REPUBLIC OF GHANA**

KOTOKA INTERNATIONAL AIRPORT - ACCRA

COMMUNITY WATER AND SANITATION AGENCY

COMMUNITY WATER AND SANITATION AGENCY

LOCATION: OFF BOLGA. ROAD IN MINISTRY OF AGRIC AREA, TAMALE

COMMUNITY WATER AND SANITATION AGENCY TEL: 03420 - 22515/25281/23016 E-MAIL: cwsaer@4u.com.gh / cwsaer@cwsagh.org

LOCATION: ON THE KOFORIDUA-SUHUN ROAD

COMMUNITY WATER AND SANITATION AGENCY TEL: 03620 - 28186 / 28189/26075 E-MAIL: vrcwsa@yahoo.com/vrcwsa@4u.co

LOCATION: WITHIN GWCL REGIONAL OFFICE YARD, HO

COMMUNITY WATER AND SANITATION AGENCY E-MAIL: cwsawr@ighmail.com

LOCATION: WITHIN GWCL REGIONAL OFFICE YARD, TAKORADI

Support from CWSA	
25. Has CWSA regional office provided technical support	
over the last year?	Yes
	No
Only answer if you responded Yes t	
26. How often?	5 Q2 5
	Once a year
	Twice a year
	Quarterly
Support to WSMTs	Quarterly
27. Do you monitor operation and maintenance of water	
facilities in terms of financial, technical and	Yes
administrative performance of WSMTs?	No
•	
Only answer if you responded Yes t	5 Q27
28. What proportion of WSMT do you monitor within one year?	
	100% of WSMTs, more often
	than once a year
	100%, at least once a year
	75% or more
	50% or more
	25% or more
	Less than 25%
29. Do you provide direct support when needed?	
	Yes
	No
30. Do you audit WSMTs?	
50. Do you uudit Wolwis.	Yes
	No
31. What proportion of WSMT do you audit within one year?	
	100% of WSMTs, more often than once a year
	100%, at least once a year
	75% or more
	50% or more 25% or more
	Less than 25%
Support in case of major break	lown
32. Does MMDA support communities with replacement	
of hand pumps and redevelopment of boreholes?	Yes
	No
	There has not been a need
Only answer if you responded Yes t	
33. Has the MMDA fully supported the community when	· ·
they needed support with replacement of hand pumps	Yes
	No
or redevelopment of boreholes?	
34. Do MMDAs plan and budget for replacement of hand	Yes
pumps and redevelopment of boreholes?	No



**Community Water and Sanitation** 

Agency (CWSA)

NATIONAL COMMUNITY WATER AND SANITATION PROGRAMME

Framework For Assessing

**And Monitoring** 

**Rural And Small Town** 

Water SupplyServices In Ghana

# **March 2014**

# Executive Summary

This document has been developed by the Community Water and Sanitation Agency (CWSA) to guide monitoring of water services in the rural and small town water sub-sector of Ghana. It provides a set of indicators for monitoring service levels, tracking functionality and performance of service providers.

The indicators in the framework are based on the following sub-sector operational documents:

- 1. Community Water and Sanitation Sector Strategy
- 2. Community Water and Sanitation Regulations, 2011 LI 2007
- 3. CWSA standards and guidelines, 2010
- 4. CWSA Project Implementation Manual (PIM)
- 5. District Operational Manual (DOM)
- 6. Model bye-law for the establishment and operation of Water and Sanitation Development Boards, 2008

This includes indicators on:

- Functionality of hand pumps and stand pipes
- Service level provided by the facility (based on reliability, accessibility, water quantity and quality)
- Community-based water service provider indicators, related to governance; operations and financial management
- Service authority indicators, related to support to community-based water service providers and other service authority functions (like planning, budgeting, coordination etc)

In the period October 2011 to January 2012, baseline data was collected in order to score and benchmark facilities, service providers and service authorities against these indicators. Data was collected by district level staff, using mobile phone technology, in three districts: Akatsi district in Volta Region, East Gonja in Northern Region and Sunyani West in Brong Ahafo Region.

This document presents a set of indicators developed to assess and monitor rural and small town water supply services in Ghana. The annex presents the data collection sheets, which can be used to collect the data required in order to score the indicators.

13	How many NGOs inform the DA about their implementation activities through providing data on new systems?
14	. How many NGOs align their implementation DWSPs?
15	How many NGOs comply with CWSA standa and guidelines (in terms of facilities and man arrangements)?
	DWSF
16	. Is there a District Water and Sanitation Plan?
	Only answer if you resp
17	. Was the DWSP developed with intensive par
	of the relevant departments of the MMDA?
	Only answer if you resp
18	Was the DWSP prepared in line with the NDI planning guidelines?
19	<i>Only answer if you resp</i> . Has the DWSP been incorporated in the dist
	Only answer if you resp
20	. Is the DWSP used to guide implementation?
	Monitoring and
21	. Is data on operation and maintenance colle
22.	Does the DWD send data on operation and maintenan CWSA regional office?
	ly answer if you responded Yes to Q22
23.	. On a quarterly basis?
24.	Is data used for district and regional planning

facility	
to	
rds, norms agement	
	Yes
	No
onded Yes to	
ticipation	
licipation	
	Yes
	No
and ad Vac t	
onded Yes to	
PC / CWSA	
	Yes
	No
onded Yes t	o Q16
rict MTDP?	
	Yes
	No
onded Yes to	
	Yes
	No
data flows	
cted?	
	Yes
	Some
nce to the	No
	Yes
	No
	Vee
	Yes
	Occasionally
	No
]?	~
	Yes

No

## Support and service authority functions

Source of information: Interview with MMDA and members of the WASH unit of the DWD + observations (of budgets and expenditure overviews)

2.	General General	
2.	Region	
2	District	
h	DWD composition	
3.	Is there a unit within the DWD responsible for WASH	
	activities?	Yes
		No
	Only answer if you responded Yes	to Q3
4.	How many people are in the WASH unit of the DWD?	
	Only answer if you responded Yes	to Q3
5.	Are there clear lines or coordination and collaboration	
	between the unit and other relevant departments for WASH activities?	
		Yes
		No
	Only answer if you responded Yes	1
6	Is the DWST sufficiently resourced to perform its	
0.	functions? (in terms of transport, travel allowances,	
	logistical facilities, like computers, etc)?	
		Yes
		No
	Only answer if you responded Yes	
7.	Does the unit receive adequate support from CWSA regional office?	
		Yes
		No
	Budget allocation and utilisat	
Q	Is there evidence of budget allocation for WASH	
0.	activities?	
		Yes
		No
9.	What was the budget ALLOCATED to WASH activities for last year? (GHC)	
10.	Is there evidence of budget disbursement for WASH	
	activities over the last year?	
		Yes
		No
11.	What was the budget disbursed on WASH activities for last year? (GHC)	
	Coordination between CSOs & M	/MDA
12.	. How many NGOs are active in implementing Water and sanitation in the district?	

# **Table of Content**

EXECUTIVE SUMMARY			
TABLE OF CONTENT			
ACKNO	ACKNOWLEDGEMENTS		
INTRODUCTIONTO THE INDICATORS			
	ROCESS OF DEVELOPMENT, VERIFICATION		
1. FU	NCTIONALITY		
	HAND PUMP FUNCTIONALITY		
2. SE	RVICE LEVEL INDICATOR		
2.1	SERVICE LEVEL INDICAT OR: WATER SEE		

## 3. WATER AND SANITATIONMANAGE (FOR RURAL COMMUNITIES) .....

- 3.1 MANAGEMENT AND GOVERNANCE IND
- 3.2 Operational Indicators .....
- 3.3 **FINANCIAL MANAGEMENT INDICATORS**

### 4. WATER AND SANITATIONMANAG (FOR SMALL TOWNS).....

- MANAGEMENT AND GOVERNANCE IND 4.1
- 4.2 OPERATIONAL INDICATORS .....
- 4.3 **FINANCIAL MANAGEMENT INDICATORS**

## 5. SERVICE AUTHORITY AND SUPPO

- 5.1 S ERVICE AUTHORITY INDICATORS ......
- 5.2 S UPPORT FUNCTION INDICATORS ......

## **ANNEX: DATA COLLECTION FORMS....**

Hand pump
S TANDPIPE
PIPED SCHEME
PIPED SCHEME SOURCE
WSMT (WATSAN) - HAND PUMP
WSMT (WSDB) – PIPED SCHEME
S UPPORT AND SERVICE AUTHORITY FUNCTIONS

XECI	UTIVE SUMMARY	1
ABLI	E OF CONTENT	2
CKN	OWLEDGEMENTS	4
NTRO	DDUCTIONTO THE INDICATORS	5
	PROCESS OF DEVELOPMENT, VERIFICATION AND REFINEMENT OF THE INDICATORS LINE OF THIS DOCUMENT	
. FL	JNCTIONALITY	7
1.1 1.2	Hand pump functionality Standpipe functionality	
. SE	RVICE LEVEL INDICATOR	8
2.1 rura	S ERVICE LEVEL INDICAT OR: WATER SERVICES PROVIDED ARE IN LINE WITH THE AL AND SMALL TOWN S WATER SUPPLY STANDARDS, AS SET BY CWSA	. 8
	ATER AND SANITATIONMANAGEMENT TEAM INDICATORS	10
3.1 3.2 3.3	Management and Governance indicators Operational Indicators Financial management indicators	. 11
	ATER AND SANITATIONMANAGEMENT TEAM INDICATORS	15
4.1 4.2 4.3	Management and Governance indicators Operational Indicators Financial Management indicators	17
. SE	ERVICE AUTHORITY AND SUPPORT FUNCTION INDICATORS	20
5.1 5.2	S ERVICE AUTHORITY INDICATORS	
NNE	X: DATA COLLECTION FORMS	26
Han	D PUMP	26
	NDPIPE	
	D SCHEME D SCHEME SOURCE	
	MT (WATSAN) - HAND PUMP	
WSN	MT (WSDB) – PIPED SCHEME	42
SUPP	PORT AND SERVICE AUTHORITY FUNCTIONS	. 49

# Abbreviations and acronyms

COM	Community Ownership and Management
COM	Community Ownership and Management
CWSA	Community Water and Sanitation Agency
DAs	District Assemblies
DIMES	DistrictMonitoring and Evaluation System
DWD	District Works Department
DWSP	District Water and Sanitation Plan
DWST	District Water and Sanitation Team
EHA	Environmental Health Assistant
EHO	Environmental Health Officer
GHC	Ghana Cedis
GSA	Ghana Standards Authority
GWCL	Ghana Water Company Limited
HDW	Hand Dug well
HND	Higher National Diploma
HQ	Head Quarters
KNUST	Kwame Nkrumah University of Science and Technology
M & E	Monitoring and Evaluation
MMDAs	Metropolitan, Municipal and District Assemblies
MOM	Monitoring of Operatiom Maintenance
MTDP	Medium Term Development Plan
NDPC	National Development Planning Commission
NGO	Non-Governmental Organisation
NLLAP	National LeveLearning Alliance Platform
NVTI	NationalVocational Training Institute
0 & M	Operation and Maintenance
PIM	Project Implementation Manual
SSSCE	Senior Secondary School Certificate Examination
Т&Т	Travel and Transportation
Triple - S	Sustainable Services at Scale
WASH	Water, Sanitation and Hygiene
WATSAN	Water and Sanitation Committee
WRI	Water Research Institute
WSDB	Water and Sanitation Development Board
WSMT	Water and Sanitation Management Team
	0

Only answer if you responded Yes	to Q83
88. Has the community and the DWST/MMDA accepted	
the ideal tariff calculated based on projected costs?	Yes
	No
Only answer if you responded Yes	to Q83
89. Is there a difference between the approved tariff	
and the ideal calculated tariff?	Yes
	No
Only answer if you responded Yes	to Q89
90. Does the MMDA pay the difference in revenue into	
the WSDB account in case of a reduction in	All
expected tariff revenue as a result of action by the	More than half
MMDA?	Less than half
	None
Support from MMDA	
91. Over the course of last year, has the DWST	
monitored operation and maintenance of the	Yes
scheme and monitored and supported the WSMT	Yes On an ad hoc basis
scheme and monitored and supported the WSMT related to financial, technical and administrative	On an ad hoc basis
scheme and monitored and supported the WSMT related to financial, technical and administrative performance on a regular basis?	
scheme and monitored and supported the WSMT related to financial, technical and administrative performance on a regular basis? 92. Did the DWST provide the direct support when	On an ad hoc basis No
scheme and monitored and supported the WSMT related to financial, technical and administrative performance on a regular basis? 92. Did the DWST provide the direct support when needed or requested (monitoring performance,	On an ad hoc basis No Yes
scheme and monitored and supported the WSMT related to financial, technical and administrative performance on a regular basis? 92. Did the DWST provide the direct support when needed or requested (monitoring performance, giving technical assistance, audit etc)?	On an ad hoc basis No
scheme and monitored and supported the WSMT related to financial, technical and administrative performance on a regular basis? 92. Did the DWST provide the direct support when needed or requested (monitoring performance, giving technical assistance, audit etc)? 93. Did the MMDA / DWST do a financial audit during	On an ad hoc basis No Yes No
scheme and monitored and supported the WSMT related to financial, technical and administrative performance on a regular basis? 92. Did the DWST provide the direct support when needed or requested (monitoring performance, giving technical assistance, audit etc)?	On an ad hoc basis No Yes

76 Is financial auditing carried out at least once a year?	
76. Is financial auditing carried out at least once a year?	Yes
77 11 ( )(( ) )	No
77. Has a tariff been set?	
	Yes
	No
Only answer if you responded Yes	to Q77
78. Is the standpipe tariff pay as you fetch or a monthly	
levy?	Pay as you fetch
	Monthly levy
	No tariff
	Unknown. Return visit
	required.
Only answer if you responded Yes	
79. What is the standpipe tariff (GHp / m3)?	
80. How much is the standpipe tariff in Ghana pesewas	
for 18 litres (size 34 bucket)?	
101 10 IIII (3120 34 Bucket):	
81. How much is the standpipe tariff per month per	
household (in Ghana pesewas / household)?	
82. What is the household connection tariff (Ghana	
pesewas / m3)?	
Only answer if you responded Yes	to 077
83. Were costs taken into account in the tariffs?	
	Yes
Order and war if your reason dad Var	No to 082
Only answer if you responded Yes	to Q83
84. Were all water production and distribution costs	Vec
(including the costs of the vendors) and	Yes
maintenance and repair costs considered in the budget and establishment of the tariff?	No
85. Were water quality monitoring costs at plant level	
considered in the budget and establishment of the	Yes
tariff?	No
Only answer if you responded Yes	
86. Were replacement costs and rehabilitation and	
expansion costs taken into consideration into the	Yes
budget and establishment of the tariff?	No
Only answer if you responded Yes	
87. Was allocation to the sanitation fund included in	
the budget and tariff?	Yes
	No

# **Acknowledgements**

The Community Water and Sanitation Agency (CWSA) is grateful to IRC within the framework of the Triple-S project, for supporting to develop the framework for assessing and monitoring rural and small town water supply in Ghana.

CWSA is also grateful to all members of the CWSA Technical Committee, the staff of the CWSA Regional Offices (Northern, Brong Ahafo and Volta) and the selected pilot districts (East Gonja, Sunyani West and Akatsi) and the members of the functionality sub-committee whose support and feedback have been invaluable throughout the process. The working group on the document include:

- 1. Emmanuel Gaze Director, Technical Services, CWSA
- 2. E. F. K. Boateng Regional Director, Brong Ahafo, CWSA
- 3. Benedict K. Kubabom Director, Planning and Investment, CWSA
- 4. Wigbert Dogoli Regional Director, Volta Region, CWSA
- 5. Theodora Adomako Adjei Extension Services Coordinator, CWSA
- 6. Fay Ephrim Planning and Investment Analyst, CWSA
- 7. Esinu Ama Abbey IT Coordinator, CWSA
- 8. Dodji M. Attiogbe ITS, Greater Accra Region, CWSA
- 9. Patricia Gyamfi ITS, Northern Region, CWSA
- 10. Charlotte Engmann Director, Water and Sanitation Engineer, CWSA
- 11. R. K. D. Van-Ess Consultant
- 12. Kwabena Nyarko (PhD) Lecturer, KNUST
- 13. Vida Affum Duti Country Director, IRC Ghana
- 14. Marieke Adank Programme Officer, IRC
- 15. Jeremiah Atengdem Northern Regional Learning Facilitator, Triple-S/CWSA
- 16. Tom Laari Chimbar Volta Regional Learning Facilitator, Triple-S/CWSA
- 17. Benjamin Agbemor Brong Ahafo Regional Learning Facilitator, Triple-S/CWSA
- 18. Tyhra Carolyn Kumasi (PhD) Research Officer, Triple-S/CWSA
- 19. Veronica Ayi-Bonte National Learning Facilitator, IRC Ghana

CWSA acknowledges the contribution of the wider WASH sector via the National Level Learning Alliance Platform (NLLAP), which helped to refine this framework.



4

## Introduction to the indicators

The indicators presented in this document focus specifically on two (2) service delivery models under Community Ownership and Management:

- Service delivery managed by Water and Sanitation Management Team (WSMT) for rural communities.
- Service delivery managed by Water and Sanitation Management Team (WSMT) for small towns.

The indicators include:

- a) Functionality indicator assesses the functionality status of a water facility at a given point in time
- b) Service level indicator gives an indication of the degree to which service provided by the water facility is in line with the minimum standards for rural and small town water service delivery.
- c) Service provider indicators assesses the compliance of community-based service providers to national norms, standards and guidelines for water supply as set by CWSA.
- d) Service provider indicator relating to Water and Sanitation Management Teams (WSMTs) for rural communities and small towns, are grouped in 3 sub-sets:
  - governance indicators;
  - operational indicators;
  - financial management indicators;
- d) Service authority and support indicators Service authority and support function indicators related to support from Metropolitan, Municipal and District Assemblies (MMDAs) and regional level CWSA.

For each indicator, a scoring system has been developed, going from 0 (worst case) to 100 (best case). Each indicator is scored based on a number of sub-indicators, derived from CWSA standards, guidelines and regulations.

Only answer if you r
51. January revenues
52. February revenues
53. March revenues
54. April revenues
55. May revenues
56. June revenues
57. July revenues
58. August revenues
58. August revenues
59. September revenues
60. October revenues
61. November revenues
62. December revenues
63. What was the amount billed for standpi
sales last year (in GHC)?
64. What was the amount billed for househ
connection water sales last year (in GH0
· ·
65. What was the amount billed for instituti
sales last year (in GHC)?
66. What was last year's annual revenues fro
standpipe water sales (in GHC)? (check
records)
67. What was last year's annual revenues fro
household connection sales (in GHC)? (
records)
68. What was last year's annual revenues fro institutional water sales (in GHC)? (check
records) 69. What was last year's total annual revenu
(check from records)
70. What was last year's annual expenditure
(check from records)
71. Does the WSMT/WSDB have an operat
account?
72. Does the WSMT/WSDB have a capital a
12. Does the wsivit/wsbb have a capital a
To How much money was deposited into the c
73. How much money was deposited into the clast year (GHC)? (check)
74. Does the WSMT/WSDB have a sanitation
75 Are financial statements propared?
75. Are financial statements prepared?

esponded Yes to Q50		
no wator		
pe water		
old		
2)?		
ional water		
om		
from		
om		
check from		
om k from		
кпотп		
ue (in GHC)?		
e (in GHC)?		
ional		
	Yes	
	No	
ccount?		
	Yes	
	No	
apital account		
on account?		
	Yes	
	No	
	Yes	
	No	
	•••	

Framework for assessing and monitoring rural and small towns water supply services in Ghana

39. Were minutes kept from the meetings? (check)	Yes / No
Operation	
40. Are spare parts available?	
	Yes
	Some
	No
41. Within what timeframe are spare parts available?	
	Within 24 hours
	Within 1-3 days
	More than 3 days
	Never
42. Is support from the private sector for maintenance	
available?	Yes
	Some
	No
43. Within what timeframe are technical services from	-
the private sector available?	Within 24 hours
···· F······ · · · · · · · · · · · · ·	Within 1-3 days
	More than 3 days
	Never
Only answer if you responded WSMT /	
44. Does the WSMT / WSDB prepare maintenance	
schedules?	Yes
Scheddies.	No
Only answer if you responded Yes	-
45. Does the WSMT/WSDB undertake routine	
maintenance according to the maintenance	Yes
schedule?	No
46. Did the construction consultant prepare system	
specific O&M manuals, which has been submitted	Yes
to the community / WSDB?	No
Only answer if you responded Yes	
47. Has relevant staff been trained in the effective use	10 Q40
of the manuals?	Vac
of the manuals?	Yes
48. How often is water quality sampling and analysis services	No
done by certified institutions (GWCL, WRI, SGS or KNUST	Never
laboratories)?	Less than once a year
	At least once a year
	Every 6 months or more often
49. Is water quality testing paid with money from collected tariffs?	Yes / No
Financial Management	
50. Were monthly revenue records kept last year?	
	Yes
	No

## The Process Of Development, Verification And **Refinement Of The Indicators**

The draft of the indicators and scoring systems developed based on the national guidelines, manuals and model by-laws, were reviewed by the CWSA Technical Committee (Wednesday 10 November 2010) and the National Level Learning Alliance Platform meeting (Thursday 11 November 2010). Based on the suggestions and comments received, the indicators and scoring systems were refined. The resulting indicators and scoring systems were used as framework for analysis of a "looking back in order to inform the way forward" study in Volta region and Northern Region, which led to minor adjustments to the indicators.

Furthermore, following the experience with these case studies, it was decided to develop standard 'assessment questions' to collect the required data to easily and unambiguously score the indicators on a larger scale. These questions were field tested in the second half of 2011 with support from the regional level CWSA and the District Assemblies, for the assessment of the current levels of services provided and performance of service providers and support functions in the 3 Triple-S focus districts: Sunyani-West, in Brong Ahafo Region, East Gonja, in Northern region and Akatsi, in Volta region. This led to a further refinement of some of the indicators, the questions and the scoring systems, which were used for the collection of baseline data in the 3 Triple-S focus districts (Akatsi in Volta Region, East Gonja in Northern Region and Sunyani West in Brong Ahafo region) from November 2011 till January 2012.

Based on the reflection and feedback from the three districts and the regional level CWSA from the baseline data collection process, the service level and sustainability indicators and scoring system have been further refined by the CWSA M&E committee.

These refined indicators have been discussed and approved in the CWSA Technical Committee, before publication.

## Outline of this document

Part 1 presents the functionality indicators, while part 2 presents service level indicators. Part 3 and 4 presents the service provider indicators for WSMTs managing point sources and piped schemes. Finally, the indicators related to support functions, are in part 5.

The annex presents the data collection sheets, which can be used to collect the data required in order to score the indicators.

<sup>1</sup> The NLLAP is a WASH sector multi stakeholder platform with the overall goal of improving sector learning and dialogue. It is organised on a monthly basis by the Ghana WASH Resource Centre Network (RCN).

<sup>2</sup> This resulted in the first draft of the indicator set, which can be found at http://www.waterservicesthatlast.org/ Countries/Ghana-Triple-S-initiative/News-events/CWSA-and-IRC-develop-indicators-to-evaluate-sustainablerural-water-services-in-Ghana.

Framework for assessing and monitoring rural and small towns water supply services in Ghana

# Part 1

# Functionality

The functionality of a water facility is determined by an on-site assessment of the status of the facility.

#### 1.1 Hand pump functionality

The functionality of a hand pump is assessed based on the following:

3

- Functioning: water flows out of the spout within 5 strokes
- Partially functioning: water flows out of the spout after more than 5 strokes •
- Non functioning: no water flows out of the spout or cannot pump at all (i.e. broken down)

#### Standpipe functionality 1.2

The functionality of a standpipe is assessed by whether or not water flows at the designed rate when the tap is opened.

- Functioning: water flows at least 85% of the designed rate (a given quantity /unit time) when the tap is opened
- Partially functioning: water flows at a rate of less than 85% of the designed rate when the tap is opened
- Non-functioning: no water flows when the tap is opened

29. Are the account books up to date?

Only answer if you respo

30. Did you see the account books?

31. Are water meter reading records kept? (che

32. Are operational (maintenance) records kept (check)

33. Last year, were records posted on the comm notice board (or communicated in another v all communities covered by the system)?

34. Has there been change in the management WSMT/WSDB members) over the last year?

Only answer if you respo

35. Was the change political or related to chiefta

Only answer if you respo

36. Has the change been influenced by perform considerations (or re-election)?

37. Has there been interference in the operational issues setting?

38. How often did the WSMT/WSDB meet in las

	Yes
	No (More than a month
	behind)
onded Yes	to Q28
	Yes
	No
eck)	
	Yes
	No
?	
•	Yes
	No
unit.	NO
nunity	Every 6 months or
way to	2
	more
	Less than every 6 months
	Once a year
(an also a s	No
(such as	No o
	Yes
underd Vers	No
onded Yes	10 Q34
aincy?	No o
	Yes
	No
onded Yes	to Q34
nance	
	Yes
	No
s i.e. tariff	Yes
	No
	Do not know
st year?	
,	
	Never
	Less than every 6
	months
	Every 6 months
	Every 3 months or more
	often
	Monthly

<sup>&</sup>lt;sup>3</sup> The focus of the assessment is the hand pump and not the borehole

16. Is there a system manager?	Yes
	No
Only answer if you responded V	
Only answer if you responded Ye	
17. Does the system manager have at least HND or	
equivalent academic qualification?	Yes
	No
18. Is there a system operator?	
	Yes
	No
Only answer if you responded Ye	es to Q18
19. Does the operator have technical (NVTI)	
qualification – electrical or mechanical?	Yes
	No
20. Is there an administrative/financial clerk?	
	Yes
	No
Only answer if you responded Ye	es to Q20
21. Does the administrative / financial clerk have at	
least RSA stage II or equivalent?	Yes
	No
22. Is there a revenue collector?	
	Yes
	Νο
Only answer if you responded Y	es to Q22
23. Does the revenue collector have at least SSSCE?	
	Yes
	No
24. Does each standpipe have a vendor?	
	Yes
	No
25. Have the WSMT received initial training?	
23. Have the WSWI received initial training:	Yes
	No
Only answer if you responded Ye	
26. Have the WSMT received re-training?	Yes / No / New
	management structure
Only answer if you responded No	Q25
27. Is there a planned re-training within tenure of	
office?	Yes
	No
28. Are account books kept? (check)	
1 1 7	Yes
	No
Only answer if you responded Ye	

# Part 2

## **Service Level Indicator**

Service level indicator: Water services provided are in line with the rural and 2.1 small towns water supply standards, as set by CWSA

#### 2.1.1 Sub-indicators and their benchmarks

Table 1 below presents the service level sub-indicators and the benchmark value for each subindicator.

## Table 1: Service Level Sub-indicators And Standards, As Set By CWSA

Service Level-Sub Indicators	Benchmark
Quantity	Hand pump/standpip House connection: 60
Quality	Ghana Standards Aut drinking water
Coverage	Hand dug well: maxin Hand pump/standpip
Distance to water point	Up to 500 metres
Reliability	The facility is providin interpreted as at least interruption.

In addition to the service level sub-indicators, piped schemes are also assessed and monitored against the design criteria for different population categories. See table below.

## Table 2: Piped scheme design criteria, as set by CWSA

Piped Scheme Design Criteria	Benchmark
	New scheme: 1
Physical losses	To be rehabilita
Share of population having access to standpipes to house connections	Population 2,00
	Population 5,00
	Population 15,0
	Population 30,0

#### 2.1.2 Service level scoring

For each facility, the level of service that is provided can be determined, based on whether or not the benchmarks on the sub-indicators are met. Table 3a below describes the level of service for hand pumps:

## 43

pe: 20 litres per capita per day 0 litres per capita per day

thority water quality standards for

mum 150 people per facility pe: maximum 300 people per facility

ng water for at least 95% of the year, st 345 days of regular service, without

10 - 15 %

ated scheme: 15 - 20%

00 - 5,000: 10 - 20%

01 – 15,000: 15 – 25%

001 - 30,000: 20 - 30%

001 - 50,000: 25 - 40%

#### Table 3a: Water Service Levels for Hand Pumps

Service Level	Description of Service Level
111	The hand pump provides water services and satisfies all the sub- indicators
II	The hand pump provides water services but fails to meet one or more of the sub- indicators.
1	The hand pump not functioning

Table 3b below describes the level of service **for piped schemes**:

#### Table 3b: Water Service Levels for Piped Schemes

Service Level	Description of Service Level
IV	The piped scheme provides service as per design standards for population category and meets all the sub-indicators
Ш	The piped scheme provides service as per design standards for population category but does not meet one of the sub-indicators
II	The piped scheme provides service below design standards per population category and fails to meet one or more of the sub-indicators
I	Facility is non-functioning

## WSMT (WSDB) – piped scheme

**Source of information:** Interview with WSMT members + observations (checking records)

	Question
	General
1.	Region
2.	District
3.	Area Council
4.	Community
5.	Type of piped scheme
	<del>.</del>
6.	Type of connections
7.	Management ID
8.	
	Remarks
	New management structure or change in con
10	details?
11	. Name of lead management member (contact
12	. Phone number
	Governance & Mar
13	. Management type?
14	. How many men does the WSMT / WSDB hav
15	How many women are in the WSMT / WSDB
13	. Now many women are in the workin / WSDD

	Response
al	_
	limited mechanised
	borehole
	small town piped scheme-
	community
	management
	small town scheme-
	GWCL
	small community scheme
	cluster of standpipes with
	bulk supply from
	GWCL
	standpipes only
	standpipes and others (e.g.
	household- institutional
	etc)
contact	
	Yes
	No
act)	
lanagong	
lanageme	
	GWCL
	WSMT / WSDB
	private person
	Assembly
have?	
DB?	

Support from MMDA	
71. Over the course of last year, has the MMDA	
monitored operation and maintenance of the water	Yes
facilities managed by the WSMT/WATSAN and	
checked financial, technical and administrative	
performance?	No
Only answer if you responded Yes	to Q71
72. Did they monitor on a regular basis?	
	Quarterly
	Half yearly
	Irregular
73. Did the MMDA provide the direct support when	
needed (giving technical assistance where needed)?	Yes
	No
Only answer if you responded Yes	to Q61
74. Did the MMDA check the financial records during	
the last year?	Yes
	No
75. Has there been a need for major repairs or	
rehabilitation of facilities over last year?	Yes
renabilitation of facilities over last year:	No
Only answer if you responded Yes	
76. Did the community / WSMT/WATSAN request for	
support from the MMDA for rehabilitation or major	
repairs over the last year?	Yes
	No
Only answer if you responded Yes	
77. Did the MMDA support the community with	
replacement of hand pumps and/or redevelopment	
	Yes
of boreholes last year?	
	No

# Part 3:

# Water And Sanitation Management Team **Indicators (for Rural Communities)**

A total of 11 indicators have been developed in order to assess the performance of Water and Sanitation Management Teams (hand pumps): 3 governance indicators, 5 operational indicators and 3 financial management indicators. Most of these indicators are composite indicators consisting of a number of sub-indicators. For each of the indicators, the sub-indicators and the scoring tables are presented below.

#### Management and Governance indicators 3.1

### 3.1.1 Composition of WSMT indicator

A well-composed, trained and gender balanced WSMT is in place

#### Sub-indicators

- A gender balanced (minimum 30% women) WSMT is in place, consisting of 5-9 members
- The WSMT consists of members dealing with technical/operational and financial/accounting aspects.
- Vendors are engaged at each hand pump
- WSMT members have received initial and re-fresher trainings.

## Table 4: Scoring for Composition of WSMT (hand Pumps):

Score	Narrative Description
100	There is a well- trained WSMT. Its co guideline and its members have recei
75	There is a WSMT. Its composition is its members have received initial train retraining during its tenure
50	There is a WSMT, which has been con guidelines, and has received initial tra
25	The re is a WSMT but its composition guidelines or has not received any tra
0	There is no WSMT in place.

3.1.2 Record keeping and accountability indicator: Operational records, minutes of meetings and financial records are kept and presented to the community at least once every six months

Sub-indicators:

- Operational, minutes of meetings and financial records are kept
- Operational, minutes of meetings and financial records are presented to the Community at least once every six months

NB. Operational records include maintenance records Framework for assessing and monitoring rural and small towns water supply services in Ghana

omposition is in line with the CWSA eived refresher training

in line with the CWSA guidelines and ining. There is evidence of planned

mposed in line with the CWSA aining

on is not in line with the CWSA raining

#### Table 5: Scoring for Record Keeping And Accountability:

Score	Narrative description
100	All records are kept and are up -to-date, and have been presented
100	to the community, at least every six months
75	All recordsare kept and are up-to-date, and have been presented to the community, but less frequent than every six months
50	All recordsare kept and up -to-date, but have not been presented to the community
25	Some records are kept, or all records are kept, but these are more than a month behind schedule
0	No records are kept

3.1.3 Non- interference indicator: There is no political or chieftaincy influences in the activities (composition, operations (tariffs etc), and tenure) of the WSMT

#### Table 6: Scoring for Freedom from Political Interference:

Score	Narrative Description
100	Any change that had occurred in the WSMT was not due to political or chieftaincy interference
0	A change in the WSMT was due to political or chieftaincy interference

#### 3.2 **Operational Indicators**

3.2.1 Spare parts supply indicator: Spare parts are available to enable maintenance of hand pumps to take place

Sub-indicators:

- Spare parts for hand pump maintenance and repair are available at all levels at all times.

### Table 7: Scoring for Spare Parts Supply:

Score	Narrative Description
NA	Never had the need to acquired spare parts
100	It takes less than 24 hours to acquire spare parts
50	It takes between 1 to 3 days to acquire spare parts
0	It takes longer than 3 days to acquire spare parts

59. Is there a dedicated bank account for the system	Yes
management?	No
5	Unknown. Return visit
	required.
60. What is the amount in bank account (GHC)? (check)	
61. Do you have a cash book?	Yes, up to date
	No
	Yes but cash book not up to
	date
62. Is there a dedicated bank account for the system	Yes
management?	No
	Unknown. Return visit
	required.
Only answer if you responded Yes	to Q62
63. What is the amount in bank account (GHC)? (check)	
64. Has a tariff been set?	
	Yes
	No
Only answer if you responded Yes	to Q64
65. Is it pay as you fetch or a monthly levy?	
	Pay as you fetch
	Monthly levy
	No tariff
	Unknown. Return visit
66.	required.
67. How much is the tariff in Ghana pesewas for 18 litres (size 34 bucket)?	
68. How much is the tariff per month per household (in	
Ghana pesewas / household)?	
Only answer if you responded Yes	to Q64
69. Has the tariff been based CWSA guidelines (cost of	
spare part, water quality testing, vendor, area	
mechanic services, sanitation fund allowance for	
caretakers and allowance for WSMTs)?	
	Yes
	No
Only answer if you responded Yes	to Q64
70. Has the community accepted the ideal tariff	
calculated based on CWSA guidelines?	
	Yes
	No

	1
38. How long does it normally take?	
	Longer than 3 days
	Within 3 days
	Less than 24 hours
	Not applicable
39. Is routine maintenance normally carried out?	
	Yes
	No
Only answer if you responded Yes	to Q39
40. Was routine maintenance carried out last year?	
	Yes
	No
41. Has water quality sampling and analysis been done	
by certified institutions (GWCL, WRI, GSA, SGS or	Yes
KNUST laboratories)?	No
Only answer if you responded Yes	to Q41
42. How often is this water quality sampling and	
analysis carried out?	Less than once a year
	Once a year
Only answer if you responded Yes	
43. Is water quality testing paid for by the community?	
	Yes
	No
Financial Management	
44. Are revenues recorded on at least a monthly basis?	
	yes
	no
45. January revenues	no
	no
46. February revenues	no
46. February revenues 47. March revenues	no
46. February revenues 47. March revenues 48. April revenues	no
46. February revenues 47. March revenues 48. April revenues 49. May revenues	no
46. February revenues 47. March revenues 48. April revenues 49. May revenues 50. June revenues	no
46. February revenues 47. March revenues 48. April revenues 49. May revenues 50. June revenues 51. July revenues	no
46. February revenues 47. March revenues 48. April revenues 49. May revenues 50. June revenues 51. July revenues 52. August revenues	no
46. February revenues 47. March revenues 48. April revenues 49. May revenues 50. June revenues 51. July revenues 52. August revenues 53. September revenues	no
46. February revenues 47. March revenues 48. April revenues 49. May revenues 50. June revenues 51. July revenues 52. August revenues 53. September revenues 54. October revenues	no
46. February revenues 47. March revenues 48. April revenues 49. May revenues 50. June revenues 51. July revenues 52. August revenues 53. September revenues 54. October revenues 55. November revenues	no
46. February revenues 47. March revenues 48. April revenues 49. May revenues 50. June revenues 51. July revenues 52. August revenues 53. September revenues 54. October revenues 55. November revenues 56. December revenues	no
<ul> <li>46. February revenues</li> <li>47. March revenues</li> <li>48. April revenues</li> <li>49. May revenues</li> <li>50. June revenues</li> <li>51. July revenues</li> <li>52. August revenues</li> <li>53. September revenues</li> <li>54. October revenues</li> <li>55. November revenues</li> <li>56. December revenues</li> <li>57. What was last year's annual revenue (in GHC)?</li> </ul>	no
<ul> <li>51. July revenues</li> <li>52. August revenues</li> <li>53. September revenues</li> <li>54. October revenues</li> <li>55. November revenues</li> <li>56. December revenues</li> <li>57. What was last year's annual revenue (in GHC)? (check from records)</li> </ul>	no
<ul> <li>46. February revenues</li> <li>47. March revenues</li> <li>48. April revenues</li> <li>49. May revenues</li> <li>50. June revenues</li> <li>51. July revenues</li> <li>52. August revenues</li> <li>53. September revenues</li> <li>54. October revenues</li> <li>55. November revenues</li> <li>56. December revenues</li> <li>57. What was last year's annual revenue (in GHC)?</li> </ul>	no

Framework for assessing and monitoring rural and small towns water supply services in Ghana

3.2.2 Area mechanic services indicator: Area mechanics are available to enable maintenance of hand pumps to take place

#### Table 8: Scoring for Area Mechanic Services:

Score	Narrative Description
NA	Never acquired services of area mech
100	It normally takes less than 24 hours to
50	It takes between 1 to 3 days to acqu
0	It takes longer than 3 days to acquir

3.2.3 Breakdown repair indicator: Breakdown repair is executed in an effective way

#### Table 9: Scoring for Breakdown Repairs:

Score	Narrative Description
100	Corrective maintenance is carrie
50	Breakdown repair is carried out
0	Breakdown repair takes longer

3.2.4 Routine maintenance indicator: Routine maintenance is executed in an effective way

Sub-indicators:

- Routine maintenance is carried out by the caretaker, at least twice yearly or as per the caretaker training manual. This will include general inspection, greasing, replacement of fast wearing parts, minor repairs and functionality assessment

## Table 10: Scoring for Routine Maintenance:

	Score	Narrative Description
-	100	Routine maintenance is carried o
	50	Routine maintenance is carried o
	0	Routine maintenance is not carrie

3.2.5 Water quality testing indicator: Water quality sampling and analysis (bacteriological) are performed on yearly basis by recognised institutions and paid for by each community.

Sub-indicators:

- Water quality testing of small communities' water supply systems shall be performed at least once a year after commissioning.
- Water quality sampling and analysis services shall be performed by certified institutions. -

Framework for assessing and monitoring rural and small towns water supply services in Ghana

hanic

o acquire the services of an area mechanic

ire the services of an area mechanic

ire the services of an area mechanic

ied out within 24 hours

t between 1 to 3 days

r than 3 days

out twice a year

out but less often than twice a year

ed out

- Water quality sampling and analysis shall be paid for by each community.

### Table 11: Scoring for Water Quality Testing:

Score	Narrative Description	
100	Water Quality Sampling and Analysis done by certified institutions yearly and paid for by the community	
75	Water quality sampling and analysis is done by a certified institution on an annual basis, but not paid for by the community	
50	Water Quality Sampling and Analysis done by certified institutions but not on yearly basis	
25	Water quality sampling and analysis is done, but not by a certified institution	
0	Water Quality Sampling and Analysis not done	

#### Financial management indicators 3.3

3.3.1 Revenue and expenditure balance indicator: There is a positive annual revenue / expenditure balance

It is prudent to have annual revenues exceeding annual expenditures to ensure the provision of sustainable services.

### Table 12: Scoring for Revenue and Expenditure Balance:

Score Narrative Description	
	No records of financial data available
0	No generation of revenue
	Annual revenues were lower than annual expenditure
100	Annual revenues were higher than annual expenditure

### 3.3.2 Financial management indicator: There is sound financial management

#### Sub-indicators:

- The WSMT has a bank account
- The WSMT has an up-to-date cash book
- The WSMT renders account on annual basis to the community

29. Do meet on a regular basis?	yes
	no
30. Do you keep minutes of the meetings? (check)	VOC
50. Do you keep minutes of the meetings: (check)	yes no
Only answer if you responded Yes	
31. Has there been change in the WSMT / WATSAN	
members over the last year?	
· · · · · · · · · · · · · · · · · · ·	Yes
	No
Only answer if you responded Yes	s to Q31
32. Was the change political or related to chieftaincy?	
	Yes
	No
	Do n
Only answer if you responded Yes	
33. Has the change been influenced by performance	
considerations (or re-election)?	
	Yes
	No
	Do n
34. Has there been interference in the operational	Yes
issues i.e. tariff setting?	No
	Do n
Operation	
35. How long does it normally take to acquire spare	Long
parts?	Long
	Long Withi
	Less
36 How long does it normally take to acquire the	LESS
services of an area mechanic?	Neve
services of an area meenanic:	of an
	Long
	Withi
	Less
37. Was break down repairs carried out over the last	
year?	Yes
	No
	There
	yet
Only answer if you responded Yes	

	yes
	no
:k)	yes
	no
nded Yes i	to Q14
SAN	
	Yes
	No
nded Yes i	
aincy?	
y.	
	Yes
	No
	Do not know
nded Yes i	to Q31
ance	
	Yes
	No
	Do not know
al	Yes
	No
	Do not know
n	
oare	
	Longer than 1 week
	Longer than 3 days
	Within 3 days
	Less than 24 hours
ne	
	Never acquired the services
	of an area mechanic
	Longer than 3 days
	Within 3 days
	Less than 24 hours
last	
	Yes
	No
	There has not been a need
1 1	yet
nded Yes t	to Q3/

19 la thora a traggurar?	
18. Is there a treasurer?	Voc
	Yes
10 ls there a carotaliar?	No
19. Is there a caretaker?	
	Yes
	No
20. How many vendors are there?	
21. Has an initial training taken place?	
	Yes
	No
Only answer if you responded Ye	es to Q21
22. Has retraining taken place?	
	New WATSAN- so no re-
	training needed yet
	Yes
	No, but planned
	No
23. Are account books kept? (Check)	
	Yes
	No
Only answer if you responded Ye	es to Q23
24. Are account books kept up to date?	
	Yes
	More than a month
	behind
Only answer if you responded Ye	es to O23
25. Did you see the account books?	
	yes
	no
Only answer if you responded Ye	-
26. Are records shared with the community?	
zo. Are records shared with the community:	Yearly
	Half yearly
	Less frequently (more than
	a year) No
27 Are operational (including maintainer a) and a	
27. Are operational (including maintenance) records	Vez
kept? (Check)	Yes
	No
	No maintenance done
	yet
Only answer if you responded Ye	es to Q27
28. Did you see the operational (including	
maintenance) records?	yes
	no

Framework for assessing and monitoring rural and small towns water supply services in Ghana

#### Table 13: Scoring for Sound Financial Management and Auditing:

Score	Narrative Description
100	There is a bank account, up-to-date ca the community on an annual basis
75	There is a bank account, up - to-date the community, but not on an annual
50	There is a bank account and an up-to account to community
25	There is a bank account or a cash boo account and cash book, the cash boo
0	There is no bank account and no cash
2.2.2. Tariff cotting indicators For band number tar	

3.3.3 Tariff setting indicator: For hand pumps tariffs shall be set to meet the requirements of the indicative cost items outlined below

1) Cost of spare parts

2) Cost of area mechanic services including transport

3) Water quality testing (bacteriological)

4) Tariff collection expenses (vendors) (up to 20% of total tariff).

5) Allowance for caretaker

6) Allowance for WSMT members

### Table 14: Scoring Tariff Setting:

Score	Narrative Description
100	There is a tariff in place that takes a
50	There is a tariff <sup>4</sup> in place, but not base
0	There is no tariff in place

3.3.4 Facility management plans indicator: Facility management plans for the WSMTs exist and are enforced effectively.

Sub-indicator:

- There is a facility management plan in place that spells out the rules for the WSMT, which is updated annually

#### Table 15: Scoring Facility Management Plans:

Score	Narrative Description
100	There is a facility management plan t which is updated annually
50	There is a facility management plan t
0	There is no facility management plan

<sup>4</sup> The tariff can be set per unit water, e.g. per container, or per time unit, e.g. per household per month.

cash book and rendering of accounts to

cash book and rendering of accounts to basis

o-date, cash book, but no rendering of

ook, or when there is both a bank ok is not up-to-date

sh book

account of all the indicative cost items ased on all the indicative cost items

that spells out the rules for the WSMT,

that spells out the rules for the WSMT in that spells out the rules for the WSMT

# Part 4:

## Water And Sanitation Management Team Indicators (for Small Towns)

A total of 9 indicators have been developed, in order to assess the performance of small town Water and Sanitation Management Teams: 3 governance indicators, 3 operational indicators and 3 financial management indicators. Most of these indicators are composite indicators consisting of a number of sub-indicators. For each of the indicators, the sub-indicators and the scoring tables are presented below.

#### 4.1 Management and Governance indicators

4.1.1 Composition of small town WSMT indicator: There is a WSMT, consisting of a welltrained team in line with CWSA guidelines.

Sub-indicators:

- There is a WSMT, consisting of 10-15 members, of whom at least 1/3 are women and 1/3 are representatives of the MMDA or Town / Area council
- WSMT members receive training and re-training (at least once during their 4 year tenure

## Table 16: Scoring Composition of Small Town WSMT

Score	Narrative Description
100	There is a WSMT. Its composition is in line with the CWSA guidelines and its members have received both the initial and refresher training within its tenure
75	There is a WSMT. Its composition is in line with the CWSA guidelines and it members have received initial training and there is evidence planned retraining within its tenure
50	There is a WSMT . Its composition of the WSMT is in line with CWSA guidelines and has received initial training
25	There is a WSMT but its composition is not in line with the CWSA guidelines or has not received any training
0	There is no WSMT in place.

4.1.2 Qualification of Operational Staff: Well qualified staff required for the day-to-day operations and routine maintenance

#### Sub-indicators:

The following is minimum staffing level:

System Manager, to be responsible for the overall management of Technical, Financial and Administrative Staff. The incumbent shall posses' at least Higher National Diploma (HND) or equivalent academic qualification in a technical area and shall have good oral and communication skills. A technical background may be advantageous. The Manager shall be accountable to the WSMT, and shall prepare and present reports at WSMT meetings.

## WSMT (WATSAN) - hand pump

Source of information: Interview with WSMT members + observations (checking records)

	Question
	Gener
1.	Region
2.	District
3.	Area Council
4.	Community
5.	Type of management
7. 8.	Management ID New management structure entry? Previous instance number
9.	Remarks (if any)
10.	New management structure or change in details?
11.	Name of lead WSMT/WATSAN member (
12.	Phone number
13.	Number of hand pumps managed by the WATSAN
	Governance & N
14.	Is there a WSMT / WATSAN committee?
15.	Has the WSMT / WATSAN committee bee over the last year?
16.	How many men does the WSMT / WATSA
17	How many women does the WSMT / WAT

	Response
ral	
	WATSAN (Hand pump
	WSMT)
	Piped scheme WSMT / WSDB
	Private person (e.g. chief-
	assembly man- etc)
	no management
	structure
	yes
	no
contact	
	yes
	no
(œntact)	
WSMT /	
Manageme	nt
	Yes
	No
en active	
	yes
	no
AN have?	
TSAN	

Only answer if you responded No to	o Q16
17. If not currently functioning, what is the main reason	
for that?	
	Broken down
	No fuel available
	Under repair /
	maintenance
	Low water level
	No supply from
	GWCL
18. How many days was the source not providing water	
to the piped scheme over the last year?	
19. What was the main reason for non functionality	
during last year?	Source was broken down
	Under repair /
	maintenance
	No fuel available
	Low water level
	No supply from GWCL
	(e.g. because of
	rotation)
	Lights off (no
	electricity)
20. Is there a water meter?	
	Yes
	No
Only answer if you responded Yes t	o Q20
21. Are meter records kept? (check)	
	Yes
	No
Only answer if you responded Yes t	o Q20
22. What was the total amount of water produced by	
the source over last year (m3/year)? (check)	

- An Operator, to carry out technical operations and routine maintenance (shall possess technical National Vocational Training Institute (NVTI) qualification - civil, electrical or mechanical).
- An Administrative/Financial Clerk (shall possess at least RSA stage II or equivalent).
- A Revenue Collector (shall possess at least Senior High Secondary School Certificate Examination (SSSCE)).
- Vendors, to be responsible for sale of water at each standpipe.

## Table 17: Scoring Qualification of Operational Staff

Score	Narrative Description
100	The following positions have been for System Manager, System Operator Revenue Collector, Vendors for each
50	At least half of the following position qualified staff: System Manager, Sys Financial Clerk, Revenue Collector,
0	Less than half of the following positi System Operator, Administrative / Fi Vendors for each standpipe.

4.1.3 Record keeping and accountability indicator: Technical, administrative and financial reports are kept and presented to the community at least once every six months

Sub-indicators:

- Technical, administrative and financial reports are kept on monthly basis
- Records of all maintenance activities are kept on monthly basis -
- Technical, administrative and financial reports are presented t to the Community at least once every six months

## Table 18 Scoring Record Keeping and Accountability

Score	Narrative Description
100	All records are kept and are up -to- community, at least every six month
75	All records are kept and are up-to- community only once a year
50	All records are kept and up-to-date
25	All records are kept, but are more
0	No records are kept

filled by adequately qualified staff: r, Administrative / Financial Clerk, ich standpipe

ons have been filled by adequately ystem Operator, Administrative / Vendors for each standpipe

tions have been filled: System Manager, Financial Clerk, Revenue Collector,

-date, and are presented to the hs

o-date, and are presented to the

e, but not presented to the community than a month behind.

4.1.4 Non- interference indicator: There is no political or chieftaincy influences in the activities [composition, operations (tariffs etc), and tenure] of the WSMT

#### Table 19: Scoring Non-interference

	Score	Narrative Description	
,	100	Benchmark: Any change that occurred in the WSMT was not due to political or chieftaincy interference	
	0	A change that occurred in the WSMT was due to political or chieftaincy interference	

#### 4.2 **Operational Indicators**

4.2.1 Spare parts supply and technical services indicator: the private sector provides the needed support to the WSMT

#### Table 20: Scoring Spare Parts Supply and Technical Services

Score	Narrative Description	
100	There are spare parts and well-equipped private sector and within 24 hours to carry out maintenance or repairs	
50	There are spare parts and well-equipped private sector, but it takes between 1 to 3 days to carry out maintenance or repairs	
0	There are no spare parts and well-equipped private sector available to carry out maintenance or repairs or where available, it takes longer than 3 days to carry out maintenance or repairs	

4.2.2 Maintenance indicator: The WSMT prepares a work plan and budget for O&M and executes maintenance accordingly

#### Sub-indicators

- The WSMT prepares and implements maintenance schedules.
- Routine maintenance is carried out in accordance with the O&M manuals. -
- Operational staff has been trained in the effective use of the manuals.

#### Table 21: Scoring Maintenance

Score	Narrative Description
100	Routine maintenance is executed according to the maintenance schedule, and relevant staff have been trained in the use of the O&M manuals.
50	Routine maintenance is executed according to the maintenance schedule but relevant staff have not been trained in the use of the O&M manuals
0	No routine maintenance is carried out.

## Piped scheme source

# Source of information: Interview with WSMT members + observations + project documents Note: 'Static data, location and photo' is only collected for new piped scheme source entries

	Question
	Gen
1.	Region
	District
3.	Area Council
	Community
	System ID
6.	Remarks (if any)
	Static data, loca
	Location
	Photo
9.	Source type
10	). Treatment
11	. Disinfection
12	. Filtration
13	B. Description (Location)
14	. Design capacity (m3/day)
15	. Type of power supply
16	. Is the source functioning?
	5

Framework for assessing and monitoring rural and small towns water supply services in Ghana

	Response
ral	
ion and phot	to
	Borehole
	surface water intake
	GWCL system- bulk water
	meter
	GWCL System- without
	bulk water meter
	spring
	Yes
	No
	Chlorination
	None
	Slow Sand Filtration
	Color
	Solar
	Generator
	National grid
	Mixed
	gravity
	V
	Yes
	No

33. Actual total population depending on the system as their primary source	
34. Is there a bulk water meter?	
	Yes
	No
Only answer if you responded Yes to Q34	
35. Amount of water produced last year (in m3)	
36. Amount of water delivered to standpipes last year (m3)	
37. Amount of water delivered to household connections last year (m3)	
38. Average household size	
39. Amount of water delivered to institutions last year (m3)	

4.2.3 Water quality testing indicator: Water quality sampling and analysis (bacteriological and physico - chemical) are performed on half yearly basis by certified institutions and paid for by the community through tariffs

#### Sub-indicators:

- Water quality testing and analysis of small town water supply systems shall be performed at least twice a year after commissioning.
- Water quality sampling and analysis services shall be performed by certified institutions,
- Water quality testing and analysis shall be paid for by the community

#### Table 22: Scoring Water Quality Testing

Score	Narrative Description
100	Water quality testing and analysis year and is paid for by the commun
75	Water quality testing and analysis of year, but not paid for by the comm
50	Water quality testing and analysis is once a year
25	Water quality testing and analysis is or not by certified laboratories
0	Water Quality testing and analysis

#### 4.3 **Financial Management indicators**

4.3.1 Revenue and expenditure balance indicator: There is a positive annual revenue / expenditure balance

#### Table 23: Scoring Revenue and Expenditure Balance

Score	Narrative Description
	No records of financial data available
0	No generation of revenues
	Annual revenues lower than annual expenditure
100	Annual revenues higher than annual expenditure

4.3.2 Financial management indicator: There is sound financial management, accounting and auditing

#### Sub-indicators:

- The WSMT has opened and manages three bank accounts:
  - account.
  - . Monthly payment, no less than 20% of the net monthly

Framework for assessing and monitoring rural and small towns water supply services in Ghana

done by certified laboratories twice a inity through tariff

done by certified laboratories twice a nunity

is done by certified laboratories but only

is done, but less often than once a year,

not done at all

• Operational account: weekly payments into this account from water sales and other receipts. Regular operation and maintenance costs are paid from this

Capital account: to be used for major repairs, extension and rehabilitation.

Framework for assessing and monitoring rural and small towns water supply services in Ghana

- revenue (after regular O&M has been paid). MMDA may allocate funds annually through its regular budgetary allocation to the capital fund.
- · Sanitation account: used to promote sound sanitation and hygiene practices, including household latrine construction. Monthly payment of at least 10% of the net monthly revenue. MMDA may allocate funds annually through regular budgetary allocation to the account.
- Account books are kept
- Financial statements are prepared -
- Auditing is carried out once every year -

#### Table 24: Scoring Financial Management

Score	Narrative Description
100	All three bank accounts have been opened, threshold amounts deposited and proper books of accounts are kept, have prepared financial statements and the accounts have been audited yearly
75	All three bank accounts have been opened, threshold amounts deposited and proper books of accounts are kept but financial statement not prepared and audited on yearly basis
50	All three bank accounts have been opened and proper accounts are kept, but amounts deposited less than thresholds
25	One or two bank accounts have been opened, but no proper accounts are kept or amounts deposited are less than thresholds
0	No bank account has been opened

4.3.3 Tariff setting indicator: Tariff setting takes into account projected costs using CWSA tariff setting guidelines as below:

1) All water production expenses.

2) All distribution expenses.

- 3) Routine maintenance and other contracts.
- 4) Repair work (by staff and private maintenance contracts).

5) Water quality monitoring at plant level.

6) Tariff collection expenses (vendors) (up to 20% of total tariff).

7) Replacement cost (20% of 1-6).

8) Rehabilitation and Expansion (5% of 1-6) total)

9) Sanitation Fund (8% of 1-6).

10) Contingency (2% of total (1) - (6)).

Tariff has been endorsed by CWSA and approved by the MMDA.

## Table 25: Scoring Tariff Setting

	Narrative Description
100	Tariff in place fully in line with the guidelines
50	Tariff in place, but not fully in line with the guidelines
0	No tariff in place

16. Year of latest rehabilitation or extension	
Only answer if you responded Yes to Q15	·
17. Financier or donor of latest rehabilitation or	
extension	
Only answer if you responded Yes to Q15	
18. Latest rehabilitation or extension project (name)	
19. Design population	
20. Design capacity (m3/day)	
21. Total storage capacity (m3)	
22. Number of household connections	
23. Number of standpipes	
24. Total number of spouts	
25. Number of institutional connections	
26. Source of water	
	Groundwater
	Surface water
	GWCL
	Combined surface and
	groundwater
	Combined GWCL and
	groundwater
27. Type of power supply	
	Solar
	Generator
	National grid
	Mixed
Functionality	
28. Is the intake and / or borehole(s) functioning	
satisfactorily?	Yes
	Partially
	No
29. Is there leakage in the distribution network?	
	Never
	Sometimes
	Permanent leakages
Service level	
30. How many days was the system not functioning over the last year?	
31. How many days was the system not functioning	
over the last quarter (last three months)?	
32. Is the water quality acceptable?	
· · ·	Yes
	No

## **Piped scheme**

Source of information: Interview with WSMT members + observations + project documents

Note: 'Static data, location and photo' is only collected for new piped scheme entries

Question	Response
General	
1. Region	
2. District	
3. Area Council	
4. Community	
5. Community Code	
6. System ID	
7. Management type	
	Direct WSDB / WSMT
	WSDB /WSMT with private operator
	Private sector
	GWCL
	Other
8. Management ID	
9. Remarks	
Static data, location and pho	oto
10. Type of system	
	Limited mechanised
	borehole
	small community piped
	scheme
	small town piped
	scheme
	Piped scheme with bulk
	water supply from
	GWCL
	Cluster of GWCL
	standpipes
11. Description of location	
12. Financier or donor of initial construction	
13. Implementation project (name)	
14. Year of initial construction completion	
15. Rehabilitated and/or extended?	
	Yes
Only annual if you name a dad was to 015	No
Only answer if you responded yes to Q15	

# Part 5 **Service Authority And Support Function Indicators**

This part presents 5 indicators which can be used to assess and monitor service authority functions, as well as 3 indicators related to support functions. Like the service provider indicators, there are composite indicators, consisting of a number of sub-indicators. The indicators were as much as possible based on existing guidelines. For each of the indicators, the sub-indicators and the scoring tables are presented below.

#### Service authority indicators 5.1

5.1.1 Presence of a service authority and support structure indicator: There is a unit for water and sanitation, with access to sufficient resources, receiving the needed support from CWSA and MMDA.

Sub-indicators:

- There is a unit of the DWD responsible for WASH activities
- There are clear lines of coordination and collaboration between the unit and other relevant departments for WASH activities
- The unit is sufficiently resourced by the DA to carry out its activities
- The unit receives adequate support from CWSA

### Table 26: Scoring Presence of a Service Authority and Support Structure

	Score	Narrative Description
	100	There is a unit for WASH activities, we collaboration for WASH activities is go from CWSA
	75	There is a full unit for WASH activities collaboration for WASH activities is go support from CWSA
	50	There is a full unit for WASH activities WASH activities is good but not well i
	25	There is a unit for WASH activities, bu
	0	There is no unit for WASH activities

5.1.2 District level budget allocation and utilisation indicator: Districts are able to allocate and utilise financial resources for water and sanitation services.

ell resourced, coordination and good, and receives adequate support

es, well resourced, coordination and good but does not receive adequate

s, and coordination and collaboration for resourced

ut staffing is not as per DWD organogram

#### Table 27: Scoring District Level Budget Allocation and Utilisation

Score	Narrative Description
100	There is a budget allocation for WASH activities and between 75% and 100% of the total budget has been disbursed
75	There is a budget allocation for WASH activities and between 50 and 75% of the total budget has been disbursed
50	There is a budget allocation for WASH activities but less than 50% of the budget has been disbursed
25	There is a budget allocation for WASH activities, but no evidence of disbursement, or disbursement has been less than 50% of the budget allocated
0	There is no budget allocation for WASH activities

5.1.3 Coordination of NGOs indicator: NGOs and Civil Society Organisations (CSO) providing water facilities do so in collaboration with the MMDA

Sub indicators:

- NGOs inform the MMDA about implementation activities
- Align their implementation to the District Water and Sanitation Plan (DWSP)
- Comply with CWSA standards and guidelines

## Table 28: Scoring Coordination of NGOs

Score	Narrative Description
100	More than 80% of NGOs inform the MMDA about implementation activities through providing facility data on new systems align their implementation to the DWSP and comply with CWSA standards and guidelines.
75	Between 50% and 80% of NGOs inform the MMDA about implementation activities and align their implementation to the DWSP
50	At least 50% of NGOs inform the MMDA about implementation activities and align their implementation to the DWSP
0	Less than 50% of NGOs inform the MMDA about implementation activities

<sup>5</sup> The guidelines for rural and small town water supply prescribe that MMDAs are required to prepare District Water and Sanitation Plans (DWSPs) which shall be an integral part of the Medium Term Plan of the Assembly, detailing out the water and sanitation components of the plan.

19. What is the (estimated) number of people
depending on the standpipe as their mai water supply?
20. How many of these people are within 50
minutes) of facility?
Manage
21. Who manages the standpipe?
Only answer if you responded Vendor from
22. How many women are there in the comm
Only answer if you responded Vendor from
23. How many men are there in the committ
24. Are sales records kept for the standpipe?
Only answer if you responded yes to 0.24
Only answer if you responded yes to Q24 25. What was last year's annual revenue (in C
(check from records)
26. Are meter records kept? (check)
Only answer if you responded yes to Q26
27. How much water (in litres) was used on a
day in the wet season?
Only answer if you responded yes to Q26
28. How much water (in litres) was used on a
day in the dry season?
18. How many hours per day is the standpip

le in source of	
0 m (or 10	
	Almost everyone
	About three-quarters of
	the people
	About half of the
	people
	About one quarter of the
	people
	Almost no one
	Unknown. Return visit
	required.
ment	
	Private vendor
	Vendor from WATSAN
	committee
	ommittee to Q21
nittee?	
n WATSAN co	ommittee to Q21
ee?	
? (check)	
	Yes
	No
GHC)?	
	Yes
	No
average per	
average per	
e open?	

## Standpipe

Source of information: Interview with WSMT members / vendor + observations

Question	Response
General	
1. Region	
2. District	
3. Standpipe area Council	
4. Standpipe community	
5. Standpipe ID	
6. Piped scheme ID	
7. Remarks (if any)	
Static data, location, & pho	to
8. Location	
9. Description	
10. Photo	
11. Number of taps	
Functionality	-
12. Is the standpipe functional?	
	Yes
	No
Only answer if you responded Yes to Q12	
13. What is the flow rate (in l/s)?	
Tooltip: measure the time it takes to fill a container with	
a known volume. Divide the volume (in litres) by the time	e
it took (in seconds) to fill it, to get the discharge.	
Only answer if you responded Yes to Q12	
14. Is the standpipe meter working?	
	Yes
	No
	There is no meter
Only answer if you responded Yes to Q12	
15. Is the tap dripping?	
····	Yes
	No
Service level	
16. In the last year, how many days was the standpipe	
not functioning?	
17. Is the water quality acceptable in terms of odour,	
colour, taste to the community?	Yes
	No
	1.10

5.1.4 Planning indicator: District Water and Sanitation Plan is incorporated into Medium Term Development Plans and budget of the assembly, which is used to guide implementation.

Sub-indicators:

- Participatory nature of the development of the District Water and Sanitation Plan. -
- guidelines.
- Plan incorporated into District Medium Term Development Plan and budget.
- District Water and Sanitation Plan guides annual planning and implementation. -

#### Table 29: Scoring Planning

	Score	Narrative Description
	100	There is a District Water and Sanita with active participation of the rele incorporated in the Medium Term district. Implementation is guided
	75	There is a District Water and Sanita with active participation of relevan incorporated in the MTDP. Howeve this.
	50	There is a District Water and Sanita with active participation of relevan included in the MTDP
	25	There is a District Water and Sanita developed with active participation
	0	There is no District Water and Sani

5.1.5 Monitoring and data flow indicator: There are efficient monitoring and data flows

Sub-indicators:

- CWSA regional level collects from MMDA's and compiles data and feeds it into DiMES on quarterly basis
- DWD submits quarterly MOM reports to the regional CWSA office. Regional CWSA office compiles quarterly MOM reports and feeds it into DiMES and submits it to CWSA HQ.

Presence of a District Water and Sanitation Plan in line with NDPC/CWSA planning

tation Plan, which has been developed levant departments, and has been Development Plan (MTDP) of the by this.

tation Plan, which has been developed nt departments, and has been ver, implementation is not guided by

tation Plan, which has been developed nt departments, but this has not been

tation Plan, but it has not been on of relevant departments

itation Plan

#### Table 30: Scoring Monitoring and Data Flow

Score	Narrative description	
100	DWD submits quarterly MOM reports to the regional CWSA office. The data is used for district and regional level planning.	
75	DWD submits MOM reports to the regional CWSA office on a quarterly basis.	
50	DWD submits MOM reports to the regional CWSA office but not on quarterly basis.	
25	Some data is collected by the DWD or when all data are collected, these are not submitted to the regional CWSA office	
0 No monitoring of operation and maintenance data is collected.		

5.1.6 Bye-laws indicator: Bye-laws for the WSMTs exist and are enforced effectively.

Sub-indicator:

- Each MMDA is responsible for providing legal backing for WSMTs and approve bye-laws proposed by WSMTs in the district

### Table 31: Scoring Bye-laws:

Score	Narrative Description	
100	There are bye-laws for WSMTs which are published and gazetted and enforced effectively.	
50	There are bye-laws for WSMTs which are published and gazetted	
0	There are no bye-laws for WSMTs which are published and gazetted	

Support function indicators 5.2

5.2.1 O&M monitoring indicator: MMDA monitors O&M of water facilities in terms of financial, technical and administrative performance, including periodic audits, and provides support where needed.

For each WSMT, a score is determined to indicate the level of monitoring support they receive from the MMDA.

Sub-indicators:

- Periodic audit of WSMTs accounts
- District Works Department (DWD) provides technical support to WSMTs

21. Is the water quality acceptable to the	
community?	Yes
	No
22. What is the (estimated) number of people depending on the facilities as their main source of water supply?	
23. How many of these people are within 500 m	
(or 10 minutes) of facility?	Almost everyone
	About three-quarters of the
	people
	About half of the
	people
	About one quarter of the
	people
	Almost no one
	Unknown. Return visit
	required.
24. What is the estimated use of water per	
person per day (in litres per person per	None
day)?	Less than 20 litres per perso
	per day
	More than 20 litres per
	person per day
25. Are water sale records kept from the	
facility?	yes
	no
26. How many buckets (size 34) are sold in total on average per day in the wet season?	
27 How many buckets (size 34) are sold in total on average per day in the dry season?	
28. Is water from the facility used for watering	
gardens, fields or farms?	Yes
29. Is water from the facility used for watering	
livestock?	Yes
	No
20 Is water from the facility used for small	
30. Is water from the facility used for small commercial uses (brick making, pito making etc)?	

Framework for assessing and monitoring rural and small towns water supply services in Ghana

9. Type of hand pump	
	Nira AF-85
	Nira AF-85D
	Ghana modified India Mark
	П
	AfriDev_
	Vergnet
10. Has the water point been rehabilitated?	
	Yes
	No
11. Year of rehabilitation	
Only answer if you responded	Yes to Q20
12. Financier or donor of rehabilitation	
13. Rehabilitation project (name)	
Functionality	·
14. Is the facility functional?	
-	yes
	no
15. Number of strokes for water to flow from	
the spout?	
16. Only answer if you respond	ed yes to Q24
17. What is the reason for the non-functioning	
of the system?	
,	No hand pump
	Hand pump broken
	facility under repair
	Water table too low
	(borehole dry)
	Unknown
Service level	
18. In the last year, how many days was the	
facility not functioning?	
19. In the last quarter (last 3 months), how	
many days was the facility not functioning?	
20. If the system was down for more than 18	
days in the last year, what was the reason	Not applicable (down for les
for non-reliability?	than 18 days)
	No funds
	Time to raise or access funds
	Time to get spare parts
	Time to get area mechanic
	I TIME TO YET ALEA MECHAINC
	Unknown

## Table 32: Scoring O&M Monitoring

	Score	Narrative Description
	100	The MMDA monitors O&M of water technical and administrative perform the direct support when needed and accounts
	75	The MMDA monitors O&M of water technical and administrative perform provides the direct support when ne accounts
	50	The MMDA monitors O&M of water technical and administrative perform than quarterly) and provides the dire auditing of WSMT accounts
	25	The MMDA monitors O&M of water technical and administrative perform provide the direct support when nee accounts
	0	The MMDA does not monitor O&M financial, technical and administrativ

### 5.2.2 Support in case of major breakdown indicator: MMDA assists the community in case of major repairs and borehole rehabilitation.

Sub-indicator:

- Major repairs or borehole rehabilitation outside the technical and financial capability of the communities are undertaken with the assistance of the MMDA. This includes borehole flushing and re-development.

#### Table 33: Scoring Support in Case of Major Breakdown

Score	Narrative Description
NA	There has been no need for replace re-development of boreholes
100	MMDA has fully supported the cor with replacement of hand pumps c
50	MMDA has provided some suppor support with replacement of hand boreholes
0	MMDA has not supported commune pumps or re-development of borely

r facilities in terms of financial, mance on a quarterly basis, provides nd does periodic auditing of WSMT

r facilities in terms of financial, mance on a quarterly basis and eeded but no auditing of WSMT

r facilities in terms of financial, mance on a regular basis (but less rect support when needed but no

r facilities in terms of financial, mance on a regular basis but does not eeded and no auditing of WSMT

of water facilities in terms of ive performance on a regular basis

cement or hand pumps and

mmunity when they needed support or re-development of boreholes

rt to the community when they needed pumps or re-development of

unities with replacement of hand eholes

#### 5.2.3 CWSA regional office provides technical support to MMDAs

For each MMDA, a score is determined to indicate the level of technical support they receive from the CWSA regional office.

Sub-indicators: CWSA regional office provides technical support to each MMDA on quarterly basis.

#### Table 34: Scoring CWSA Regional Office Technical Support

Score	Narrative Description	
100	CWSA regional office has provides technical support to the MMDA at leas twice a year	
50	CWSA regional office has provided technical support to the MMDA at least once last year	
0	CWSA regional office has not provided technical support to each MMD over the last year	

# Annex: data collection forms

Scoring of the above mentioned indicators can be done using the tables presented above. In order to have objective scoring, scoring should (ideally) be based on data. This annex presents the data collection forms that can be used for collecting the required data from:

- Hand pumps (functionality and service level of hand pumps)
- Piped schemes, piped scheme sources and standpipes (functionality and service level of piped schemes)
- WSMTs for managing hand pumps and piped schemes (water service provider performance and received support from MMDAs/DWDs)
- MMDAs and DWDs (performance of support and service authority functions)

# Hand pump<sup>8</sup>

Question	Response
General	
1. Region	
2. District	
3. Area Council	
4. Community	
5. Facility ID	
6. Type of management	
	Private person
	small community
	WSMT
	small town WSMT
	No management
	structure
7. Management ID	
8. Remarks (if any)	
Static data, location a	and photo
1. Location	
2. Photo of hand pump	
3. Description	
4. Financier or donor of implementation	
5. Implementation project (name)	
6. Construction completion year	
7. Type of source	
	Borehole
	Hand dug well
8. Threshold population	300
	150

<sup>&</sup>lt;sup>6</sup> Source of information:Interview with WSMT members + observations + project documents Note: 'Static data, location and photo' is only collected for new hand pump entries