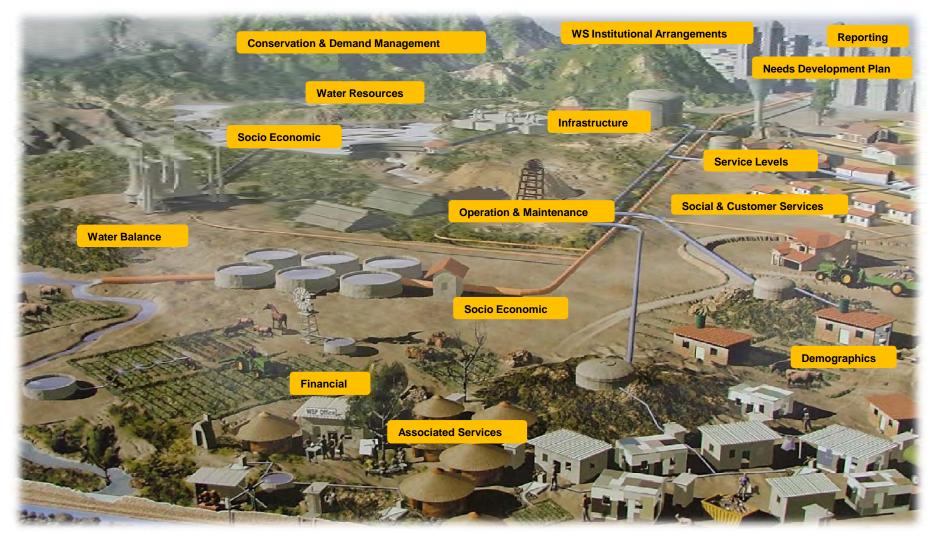
WATER SERVICES DEVELOPMENT PLAN

Tokologo Local Municipality 2012

Module 1: Overview and Assessment of the Status of Information and Strategies on a WSA Level



Document Date: FEBRUARY 2012





THE WATER SERVICES BUSINESS

TOKOLOGO LOCAL MUNICIPALITY

WSDP 2012



ASSETS

DRIVERS

RESOURCE DEVELOPMENT

CLIENT

INFRASTRUCTURE

NEEDS



MANAGEMENT

EFFECTIVE MANAGEMENT

- Water Use
- Conservation & Demand Management
- Finance
- Social & Customer Services Requirements
- Return Flow
- Sanitation



PLANNING & REPORTING

NEEDS DEVELOPMENT PLAN



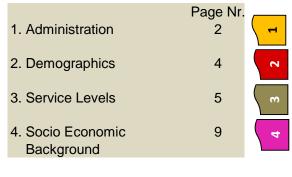


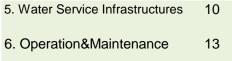


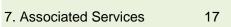


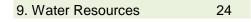
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WSDP TOPICS









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Service Requirements	

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(Program List)	

14. Reporting	40
i ii itoporting	

















WSDP 2012

What is the WSA's Vision & Mission Statement on Water Services?



People

What are their needs regarding water?



Demographics	Total
Number of People	40476
Total Number of Settlements	9
Total Number People Urban	24960
Total Number People Rural	15516
Total Number of Settlements Urban	8
Total Number of Settlements Rural	1

Vision & Mission Statement:

Creating conditions for economic growth and sustainability;

Improving access to basic services;

A progressive municipality, which through cooperative governance creates conditions for economic growth, social development and meet the basic needs of the community and improve the quality of life of all residents.

Promoting social upliftment through improved education, skills development and job opportunities; Ensuring cooperative, transparent and democratic governance through community participation and involvement;

Creating a healthy and safe environment; and improving sport and recreation facilities.

Tokologo Local Municipality is committed to provide a better life for all residents within its area of jurisdiction through:









Mayor









Water Category	Water Need Description	Settlements	Population	Households
10	No Service			
7	Infrastructure Upgrade			
7	Infrastructure Extension	1	746	213
7	Infrastructure Refurbishment			
6	O&M Need (Total Settlement)			
5	Water Resource Needs			
8	Infrastructure O&M Need			
Infrastructure & O&M Need & Water Resource Needs				
Adequate:	Stand Pipe			
Adequate:	Yard Connection			
Adequate:	House Connection	7	13975	4007
Informal Below	No Service			
Informal Adequate	Temporary Services Provided	1	660	229



WSDP: Strategic Oversight

TOKOLOGO LOCAL MUNICIPALITY

WSDP 2012

What are their needs regarding sanitation?



What is our water availability status to supply all the needs?

Sanitation Category	Sanitation Need Description	Settlements	Population	Households
10	No Service			
7	Infrastructure Upgrade	1	7833	2238
7	Infrastructure Extension	1	7683	2195
7	Infrastructure Refurbishment			
6	O&M Need (Total Settlement)			
5	Water Resource Needs			
8	Infrastructure O&M Need			
9	Infrastructure & O&M Need & Water Resource Needs			
Adequate:	Waterborne			
Adequate:	Waterborne Low Flush			
Adequate:	Septic Tanks / Conservancy			
Adequate:	Non-Waterborne	5	4383	1252
Informal Below	No Service			
Informal Adequate	Temporary Services Provided			





Water sources	Number of sources	Current abstraction (MI/Dav)	Licensed abstraction (MI/Day)
Groundwater	39	1.27	0.05475
Surface Water		2.75	
External Sources (Bulk purchase)			
Water returned to resources			
How much water is re-used (Recycled Water)			





Total

3

40

15

13

0

4

WSDP: Strategic Oversight

TOKOLOGO LOCAL MUNICIPALITY

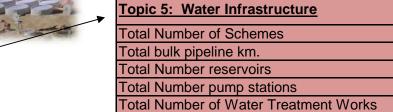
WSDP 2012



4. Water & Sanitation Infrastructure?

4.1. How does the infrastructure

4.2. What is the general condition of



The general condition of WWTW	<u>Total</u>
Estimated cost to Upgrade	R -
2. Estimated cost to Refurbish	R -
3. Existing Budget	R -

Total Number of Waste Water Treatment Works

>	Topic 6: Operation & Maintenance	<u>Total</u>
	Total Number of O&M staff	40
	Total Number of O&M staff sufficient? Yes/No	No
	Total Number of O&M staff required	
	Statement on population and effluent release	

Define the Problem

Many sections of the network experience intermittent supply. No Industrial / Commercial metering takes place. Less than 50% of consumers are metered. Only some hard copy as-built drawings are available for portions of the network. A detailed schematic of the bulk reticulation network is available but is known to be

Statement on Polution and Effluent Release

There is no reliable water balance and leakage problems. Leakage reporting system in place but few if any field response teams to undertake. No active leakage detection is currently undertaken repairs. No Discrete pressure zones and no PRV maintenance.

picture look in my WSA to distribute water to our people?



5. How sufficient is our Operation & Maintenance:

5.1. Do we have enough people to perform the function?

5.2. What is the % infrastructure not working due to O&M?

5.3. What is the problem?







6. Do I pollute my environment





Topic 8: Conservation & Demand Management

Does the municipality have a Water Conservation Demand Management Plan(WCDM)?

Does the municipality have a strategy to meet 2014 targets?

Is there an internal budget?

Does the minicipality apply through IDP funds for WCDM?

∞

N N

Y

Y/N

7. 1. What is my total Water
Services Budget?
7.2. Is my budget enough to
eradicate backlog and maintain the
WS infrastructure?
7.3. What is the shortfall?







Topic 10: Financial

Total Water Services Budget:

Is the budget enough to eradicate backlog and maintain the WS infrastructure? (Yes/No)

Shortfall:

R -









WSDP 2012

8. Do we have plans and projects in place to address the water services issues and requirements?



	Total Funds on		Total Funds on
PROJECT NAME	Budget for	PROJECT NAME	Budget for
	Project		Project
CURRENT PROJECTS			-
Dealesville/Tswaraganang: Installation of 300 VIPs	R 3 128 325.00		
Hertzogville/Malebogo: Installation of 322 VIP toilets	R 3 827 818.00		
Herzogville drilling and Developing of Boreholes	R 3 500 000.00		
Dealesville drilling and Developing of Boreholes	R 3 989 946.00		
Boshof drilling and Developing of Boreholes	R 3 500 000.00		
Tokologo Regional Water Supply Phase 1	R 223 000 000.00		
Tokologo Regional Water Supply Feasibility Phase 2	R 14 000 000.00		
Hertzogville:Water ret Phase 2 (Rep of ex Asbestos Pipeln)	R 6 823 140.00		
Boshof/Seretse: Installation of 3000 water meters	R 2 252 070.00		
Dealesville/Tswaraganang: Inst of 2000 water meters	R 1 546 980.00		
Dealesville:Water Ret - Rep of ex asbestos pipeln	R 2 235 000.00		
Boshoff/Seretse: Upgrading of water network for 250 erven	R 1 500 000.00		
CONCEPTUAL & AWAITING FUNDING PROJECTS			
Boshof/Seretse: Eradication of 1446 buckets	R 7 284 869.00		
Tokologo Municipality:San Internal Bulk Ref (group est)	R 21 174 000.00		
Dealesville/Tshwaraganang:Ugrading of Sewer Oxidation ponds	R 4 681 992.90		
Groundwater Development and Purchasing of farm	R 8 800 000.00		
Tokologo Municipality - Water Internal Bulk Ref (group est)	R 16 637 000.00		
Retention(Rehabilitation of reservoirs Boshof)	R 184 442.70		
Boshoff:Rehab of reservoirs & Inst of Water Lines	R 5 671 290.64		
Hertzogville: Regional Bulk water supply - Phase 1	R 133 853 523.00		
Hertzogville / Malebogo: Upgrading of water network for 250 erf	R 1 500 000.00		
Retention(Upgrading of water network Hertzogville)	R 98 500.00		
Water Connection of 250 Househoulds Boshof	R 2 500 000.00		
Water Connection of 250 Househoulds Dealesville	R 2 500 000.00		
Installation of Water Network Dealesville Phase2	R 3 000 000.00		
Water Network Boshof Phase 2	R 5 000 000.00		
Hetzogville, Dealsville, Boshof: Instal of water meters	R 10 400 000.00		



NSDP: Strategic	Oversight
------------------------	-----------

1	

WSDP 2012

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-	\sim	m	m	ne	n	tc

The project summary (i.e. Number of and Allocated Funds) only indicates current projects for the current year (2011-2012).

PROJECT NAME	Total Funds on Budget for Project	PROJECT NAME	Total Funds on Budget for Project



WSDP: Strategic Oversight



TOKOLOGO LOCAL MUNICIPALITY

WSDP 2012

Critical Developments & Associated Factors that impacts our Area for the Immediate Future
Urban versus Rural Backlogs
Reliance on Water Resources available and Bulk Infrastructure
Links between Water Supply & Sanitation
Limited Implementation & Operating Capacity in Some Municipalities

WSDP 2012

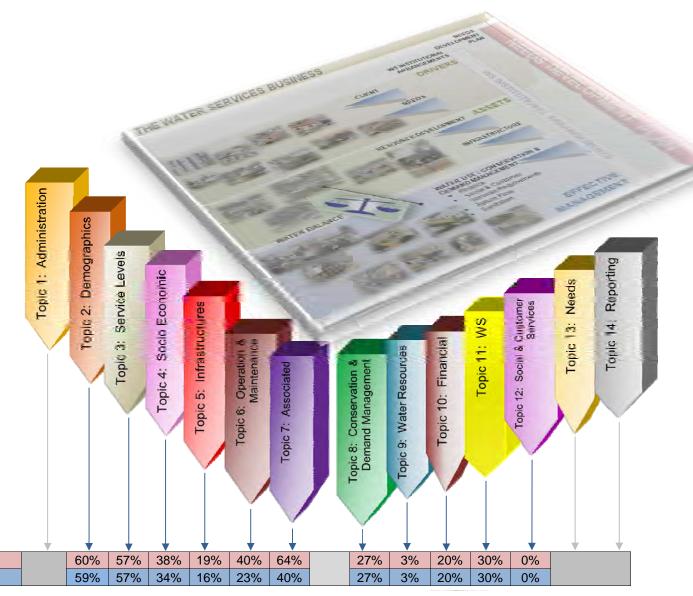
Critical Developments & Associated Factors that impacts our Area for the Immediate Future
Available Funding
Affordability of Service Levels (O&M Costs)
Growing Backlog in Refurbishment of Existing Infrastructure
Major Economic Development
Associated Population Growth & Water Demand

WSDP 2012

An Overall Critical Self Evaluation of the Overall WSDP Knowledge Base

How does my WSA fare regarding knowledge and information of the building pillars of the Water Services
Business?

A % summary evaluation derived from the WSDP Document C Module 1 per topic

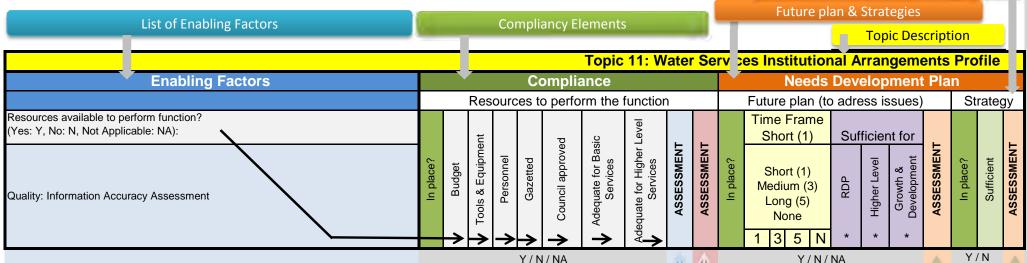




OVERALL QUANTITY ASSESSMENT

OVERALL QUALITY ASSESSMENT

Module 1: Concept Explanation and Description page



INDEX: List of Topics

- 1. Administration
- Demographic
- Service Levels
- Socio Economic Background
- Infrastructure
- **Operation & Maintenance**
- **Associated Services**
- **Conservation & Demand Management**
- **Water Resources**
- 10. Financial
- 11. Water Services Institutional Arrangements
- 12. Social & Customer Service Requirements
- 13. Needs Development Plan
- 14. Reporting

Each Topic has its own enabling factors that will make the Topic work

Quality Assessment

Assessment of Current Status measured against compliancy requirements None 0%

SE SE

Limited 20%

Partial 40% Good 60% Excellent 80%

Quantity Assessment

An indication of the representation of total area to address the issue

None: 0% Limited 20% Partially: 40%

Good coverage: 60%

Available for whole area: 80%

is there a Future Plan in Place?

(Physical document that addresses issues & shortcomings)

Implementation Strategy

Is there an Implementation Strategy in Place?

(Must be a implementation plan of action that reflects in the budget with a time line)

General Assesment

on Scale 1-5 None 0% Limited 20% Partial 40% Good 60% Excellent 80%





		Status Tracking of WSDP										
	YEAR 1 YEAR 2				YEAR 3 YEAR 4			YEAR 5		YEAR 6		
Status	Modules: All/1/2/3 or 4	Date Submitted	Modules: All/1/2/3 or 4	Date Submitted	Modules: All/1/2/3 or 4	Date Submitted	Modules: All/1/2/3 or 4	Date Submitted	Modules: All/1/2/3 or 4	Date Submitted	Modules: All/1/2/3 or 4	Date Submitted
Interim												
Draft	1	31 January 2012										
Adopted												
Annual Review												
Public Viewed												

Role Players Contact Details

POSITION	PERSON	TEL	FAX	CELL	EMAIL	Interaction Acknowledgement Yes / No	Interaction Acknowledgement Signature
Municipal Manager	Advocate LB Mofokeng	053 541 0014	053 541 0360	083 957 3937			
Executive Mayor							
Water services Councillor							
WSDP Contact	Mr Vincent Mafike	053 541 0014		082 615 1623	VincentM@dbsa.org.za		
IDP Manager	Mr MJ Nkwadipo	053 541 0014		082 269 6152	nkwadipo@gmail.com		
PIMSS Senior Planner							
Technical Services	Mr L Chakane	053 541 0014		076 756 9789	chakanelakes@yahoo.com		
Treasurer							
WSDP Data Custodian							
WSDP Custodian							
Data official							
Acting Mayor							
Acting Municipal Manager							
PMU Manager							
Chief Financial Officer	Mr OL Setlare	053 541 0014	053 541 0360	076 650 0988			
Acting Chief Financial Officer							
Mayor	Me. Mokhobo	053 541 0014	053 541 0360				
Housing							
Environmental							
Infrastructure							
imastructure					<u> </u>		



Professional Service Provider (PSP)

Compa	ny			Pula Strategic Resource Mar	nagement	t (Pty) Ltd
Name o	of PSP WSDF	Project Manager		Alet McCully		
Tel:	012 424 (0900 Cell:	083 228 5260	Fax: 012 460 1205		E-mail: alet@pula.co.za
Inputs						
Compo	nents	Chapter	Name	Designation	Role	Contact address, and number
Name o	of PSP WSDF	Information Syste	ms Operator	Alet McCully		
Tel:	012 424 (0900 Cell:	083 228 5260	Fax: 012 460 1205		E-mail: alet@pula.co.za

* Sector Integration

Did this plan consult with other Sector Plans and incorporated their needs

* Sector	* Inter- action	* To which extend was it calculated? (Refer to Page 1: General Assessment on Scale 1-5)
Agri-Culture		
Mining		
Tourism		
Other 1:		
Other 2:		
Other 3:		
Other 4:		

Comments



7						Тор	ic 2: D	emogra	ohics I	Profile
	SETTLEMENT DEMOGRA	PHICS		Assessment	Assessment				Assessment	Assessment
* 2.1	Total Population	40476				Public Amenities Consun	oor Twi			
* 2.2	Total number of households	11605				Fublic Amenities Consum	iei iyk) C S		
	Average household size	3.43								
	formation Accuracy Assessment						ies			
Quantity:	Assessment of Information Completeness					0.5. 0 1-1.0 1 1 1		(Ha)		
2.4 Settler	nent Type	Number of settlements	Population per settlements type			2.5 Social Services type	No. of facilities	Area (Ha)		
Farming	Farming	1	15516	60%	60%	Police Stations	3		70	80
	Metropolitan Area			60	60	Magisterial Offices	3		70	80
	Urban - Formal Town	3	4186	60	60	Schools	33		70	80
Urban	Urban - Former Township	4	20115	60	60	Health Facilities	9		70	80
Olbali	Urban - Informal Settlements (Squatter Camp)	1	660	60	60	Prisons	1		70	80
	Working Towns & Service Centres - Mines, Prisons etc.			60	60	Industries	1		50	50
	Urban	8	24961	60%	60%	Mining	7		50	50
	Rural - Dense Village > 5000			60	60	Resorts and tourism			0	0
	Rural - Small Village <= 5000			60	60	Agriculture dry land		166238	60	60
	Rural Scattered			60	60	Agriculture irrigation		5106	60	60
Rural	Rural Scattered Dense			60	60	Agr. Intensive livestock/grazing		53405	60	60
	Rural Scattered Low Density			60	60	Agr. Extensive livestock/grazing		401277	60	60
	Rural Scattered Very Low Density			60	60	Conservation areas	1	10.35	60	60
	Rural - Informal Settlements (Squatter Camp)			60	60			TOTAL	58%	62%
	Rural	0	0	60%	60%					
Comments						OVERALL QUALITY ASSESSMENT			59%	
						OVERALL QUANTITY ASSESSMENT				60%
	O					* RASELINE INFORM	ATION: C	OMBILL COR	V EIEI DO	4



Topic 3: Service Levels Profile Enabling Factors Needs Developm Future plan (to address issues) Time Frame Sufficien Short (1) Medium (3) Long (5) None Quality: Information Accuracy Assessment Quantity: Assessment of Information Completeness DEFINITION CLASSIFICATION DESCRIPTION CATEGORY SETTLEMENTS POPULATION HOUSEHOLDS Whole community never had any formal (municipal) water supply system. Existing infra not on RDP std.)	, Y/N %
3.1 SETTLEMENT WATER SERVICE LEVEL DEFINITIONS 3.1 SETTLEMENT WATER SERVICE LEVEL DEFINITIONS 3.1 SETTLEMENT WATER SERVICE LEVEL DEFINITIONS 3.2 Short (1) Medium (3) Long (5) None 1 3 5 N • • DEFINITION CLASSIFICATION DESCRIPTION CATEGORY SETTLEMENTS POPULATION HOUSEHOLDS Whole community never had any formal (municipal) water supply system. Existing infra not on RDP std.	with the Assessment Assessment & %	In place?
3.1 SETTLEMENT WATER SERVICE LEVEL DEFINITIONS 3.2 Short (1) Medium (3) Long (5) None 1 3 5 N * * ** ** ** ** ** ** ** **	ut for Growth & Bevelopment * ASSESSMENT	In place?
Quality: Information Accuracy Assessment Quantity: Assessment of Information Completeness DEFINITION CLASSIFICATION DESCRIPTION CATEGORY SETTLEMENTS POPULATION HOUSEHOLDS Whole community never had any formal (municipal) water supply system. Existing infra not on RDP std.	* %	, Y/N %
Quantity: Assessment of Information Completeness DEFINITION CLASSIFICATION DESCRIPTION CATEGORY SETTLEMENTS POPULATION HOUSEHOLDS Whole community never had any formal (municipal) water supply system. Existing infra not on RDP std.	%	
FORMAL No Service Whole community never had any formal (municipal) water supply system. Existing infra not on RDP std.		
(municipal) water supply system. Existing infra not on RDP std.	у 60	0
Infrastructure Upgrade 1.Network: too small pipes, 2.Storage: Add to exist / elevation 3.Source: Infra to increase exist yield		
Communities have grown structurally and there are households that do not have water: TOTAL 1.Network: new infra 2.Storage: new & adjacent	у 60	0
Infrastructure Refurbishment Repair/Replace with same existing infra		
- BELOW O&M Need (Total Settlement) Water can be restored to RDP (where infra ok) by: enough & efficient staff and sufficient funds for O&M (incl. eg: quality at wtw, machines working, etc) (Total Settlement) Water can be restored to RDP (where infra ok) by: enough & efficient staff and sufficient funds for O&M (incl. eg: quality at wtw, machines working, etc)	у 60	0
Water Resource Needs Includes Source Development Local Available Source: New BH, pipe Conserving & Demand Management Needs Water Source Quality Drinking Water Quality	у 60	0
Infrastructure & O&M Need 8	у 60	0
Infrastructure & O&M Need & Water Resource Needs	у 60	0
TOTAL FORMAL NEED 1 746 213 60% 60%	60%	% 0%
StandPipe Adequate Infra 1 (C) / 3 1962 561 60 60 y y y y y	y 60	
- ADEQUATE		
TOTAL FORMAL ADEQUATE 7 38372 10964 60% 60%	60%	
INFORMAL - BELOW - ADEQUATE No Services Permanent Housing must be provided 4 1 60 60 9 9 9 9 9 9 9 9 9 9 9 9 9		
TOTAL NEED 1 746 213 30% 30%	30%	% 0%
TOTAL ADEQUATE 8 39032 11193 30% 30%	30%	% 0%
*BASELINE INFO	ORMATION: CON	MPULSORY FIELDS 5

	TOKOLOGO LO	CAL MUNICIPALITY											WSDP 2	012						
m \																		ce Le	vels Pro	ρfi
			Enabling Factors											ds Dev			an			L
												Future Time F	plan (to		<u>issues)</u> Sufficien			S	Strategy	-
										-		rime F	rame	2	unicien	It for				
		3.2 SETTI	LEMENT SANITATION SERVICE LEVE	EL DEFINITIO	DNS			ASSESSMENT	ASSESSMENT	In place?		Shor Mediu Long Nor	m (3) ı (5)	RDP	Higher Level	Growth & Development	ASSESSMENT	In place?	Sufficient	ASSESSMENT
Quality: Informa	ation Accuracy Asse	essment								-	1	3	5 1	. *	*	*				
Quantity: Asses	ssment of Information	on Completeness									1	3	5 1	٧						Ī
DEI	FINITION	CLASSIFICATION	DESCRIPTION	CATEGORY	SETTLEMENTS	POPULATION	HOUSEHOLDS	%	%				Y/N/N	IA			%	Υ/	N	%
ORMAL		No Service	Whole community never had any formal (municipal) sanitation supply system.	10 →				60	60	у	у	у	у	у	у	у	60			0
		Infrastructure Upgrade	Existing infra not on RDP std. Typically, unimproved pit or chemical toilet Communities have sanitation but below the minimum standard. This will normally be a bucket or an ecological toilet. Communities at RDP standard but not appropriate due to local circumstances e.g. shallow ground water levels	7	1	15516	4433	60	60	у	у	у	у	у	у	у	60			0
		Infrastructure Extension	Community partially served to RDP leve	8																
		Infrastructure Refurbishment	Sanitation can be restored to RDP by: Repair/Replace with same existing infra	9																
	- BELOW	O&M Need (Total Settlement)	Sanitation can be restored to RDP (where infra ok) by: enough & efficient staff and sufficient funds for O&M (incl. pit-emptying, + appropriate actions for waterborne)	6				60	60	у	у	у	у	у	у	у	60			0
		Water Resource Needs	Adequate Infra but not working due to inadequate water in the system.	5				60	60	у	у	у	у	у	у	у	60			0
		Infrastructure & O&M Need		8				60	60	у	у	у	у	у	у	у	60			0
		Infrastructure & O&M Need & Water Resource Needs		9				60	60	у	у	у	у	у	у	у	60			0
			TOTAL	FORMAL NEED	1	15516	4433	60%	60%				·	•			60%			0%
		Waterborne	Adequate Infra	1(A)/3		15133	4352	60	60	у	у	у	у	у	у	у	60			С
	- ADEQUATE	Waterborne Low Flush	Adequate Infra	1(B)/3	8			60	60	y	y	y	у	у	y	у	60			С
	- ADEQUATE	Septic Tanks / Conservancy	Adequate Infra	1(C)/3	ď			60	60	y	y	y	у	y		у	60			С
		Non Waterborne (VIP)	Adequate Infra	1(D)/3		4383	1252		60	-	у	у	у	y			60			(
		, ,		AL ADEQUATE	8	19516	5604	60%									60%			0
IFORMAL	- BELOW	No Services	Permanent Housing must be provided	4				60	60	у	у	у	у	у	у	у	60			(
	- ADEQUATE	Temporary Services Provided	Permanent Housing must be provided	2				60	60	у	у	у	у	у	у	у	60			(
				TOTAL NEED	1	15516	4433	61%	61%								61%			09
			то	TAL ADEQUATE	8	19516	5604	61%	61%								61%			09
SALGA														* BASEL	INE INFO	RMATIO	N: COMP	JLSORY	FIELDS	ĺ

WSDP 2012 TOKOLOGO LOCAL MUNICIPALITY Topic 3: Service Levels Profile **Enabling Factors Needs Development Plan** Compliance Future plan (to address issues) Strategy Adequate for Basic Services Adequate for Higher Level Services Time Frame Sufficient for 3.3 Residential, Public Institutions and Industries ASSESSMENT ASSESSMENT Growth & Development ASSESSMENT Higher Level In place? Sufficient Short (1) RDP Medium (3) Long (5) None Quality: Information Accuracy Assessment 3 5 Ν Quantity: % % Y/N/NA % Y/N % No. Of consumer units with access to: **Public amenities** No. Of consumer None or inadequate Supply Type Controlled volume Uncontrolled units (H-H) consumer types Communal supply volume supply supply Water Sanitation Urban 7172 0 1532 443 2745 3984 60 60 у 60 0 n n У * Residential Rural 4433 213 4433 0 0 4263 n n 60 60 у у У У у У У 60 0 Urban 3 0 0 0 3 0 60 60 60 0 n n У У у У Police Stations У Rural 0 0 0 0 0 60 60 60 0 n n У У У У У 3 60 0 Urban 0 0 0 3 0 60 У Magistrate offices Rural 0 0 0 0 0 0 60 60 у 60 0 n 60 0 Urban n 0 0 У У У У у У У Businesses Rural 0 0 у у у у у 60 0 n n Urban 1 0 0 0 1 0 60 60 У У У у У у У 60 0 n n "Dry" Industries 0 0 0 0 0 60 60 60 0 Rural 0 n У У У У У ٧ 60 0 Urban 0 0 у n n У У У У у У Office Buildings Rural 0 60 0 n n 0 У У У У у У У 0 Urban 1 0 0 0 1 0 n n 60 60 У У У у У У 60 У Prisons Rural 0 0 0 0 0 0 n n 60 60 у у у 60 0 Urban 5 0 0 0 0 60 60 У У у 60 0 n У Schools Rural 28 0 17 0 0 11 60 60 у у 60 0 Urban 0 0 60 0 n n У У У У У Hospitals 60 0 Rural 0 0 У у У у У У У n Urban 5 3 2 0 5 0 60 60 у 60 0 n n У У у У Clinics 2 0 0 2 0 Rural 1 0 60 60 У у У у У У У 60 n n Urban 0 0 60 0 У У У У У Health Centres Rural 0 0 у у у у у 60 0 n n У У 60 0 Urban n n 0 0 у у У у у у У "Wet" Industries Rural 0 0 60 0 n n у У Urban 7190 1534 443 2763 3984 35% 60% Total 4463 214 Rural 4450 0 0 4276 60% 0% TOTAL 35%



TOKOLOGO LOCAL MUNICIPALITY				DP 2012	
Enabling Factors Compliance			Topic 3: S Needs Development		evels Profile
Status Quo			Future plan (to adress issues)	riaii	Strategy
OVERALL TOPIC ASSESSMENT	ASSESMENT	ASSESSMENT		ASSESSMENT	ASSESSMENT
Quality: Information Accuracy Assessment					
Quantity: Assessment of Information Completeness					
3.1 SETTLEMENT WATER SERVICE LEVEL DEFINITIONS					
CATEGORY 10 - NO SERVICES (FORMAL)	60%	60%		60%	0%
CATEGORY 7 - INFRASTRUCTURE UPGRADE, EXTENSION & REFURBISHMENT	60%	60%		60%	0%
CATEGORY 6 - O&M NEED	60%	60%		60%	0%
CATEGORY 4 - NO SERVICES (INFORMAL)	60%	60%		60%	0%
3.2 SETTLEMENT SANITATION SERVICE LEVEL DEFINITIONS					
CATEGORY 10 - NO SERVICES (FORMAL)	60%	60%		60%	0%
CATEGORY 7 - INFRASTRUCTURE UPGRADE, EXTENSION & REFURBISHMENT	60%	60%		60%	0%
CATEGORY 6 - O&M NEED	60%	60%		60%	0%
CATEGORY 4 - NO SERVICES (INFORMAL)	60%	60%		60%	0%
3.3 RESIDENTIAL, PUBLIC INSTITUTIONS AND INDUSTRIES	35%	35%		60%	0%
			NEEDS DEVELOPMENT PLAN A	SSESSMEN	IT.
			Future plan	60%	
				Strateg	0%
			OVERALL QUANTITY ASSESSM	ENT	57%
COMMENTS			OVERALL QUALITY ASSESSME	NT	57%

TOKOLOGO LOCAL MUNICIPALITY								WSDP 2012		
Горіс 4: Socio Economic Background										4
Socio Economics										
Quality of Information Assessment										
Quantity: Assessment of Information Completeness										
4.1 General				4.5 Household income						
4.1.1 Present population	40476	60	60	Definition of poor household by the	municipality			% Population		
4.1.2 Current population growth rates	60	40	60							
4.1.3 Projected Population growth rate: 5 years	60	40	60					00/	0	0
4.1.4 Projected Population growth rate: 10 years	60	40	60					0%		
		45%								
4.2 Age and gender Profile				§ Monthly household Income (as pe	er StatsOnline)				0	0
4.2.1 Permanent resident population	40476	50	60	o R1 - R400				5833	50	60
4.2.2 Aged Residents (>65yrs)	1761	50	60					3605	50	60
4.2.3 Youth Residents (<18yrs)	13961	50	60					979	50	60
4.2.4 Male Residents	19844	50	60	o R1601 or more				1573	50	60
4.2.5 Female Residents	20631	50	60	o Collective living Quarters					0	0
		50%	60%							
4.3 Employment Profile				Water Affordability (Population not a	able to afford wate	er)			0	0
4.3.1 Eligible Workforce (19 – 65 yrs)	8744	50	60	o Typical monthly Water Bill					0	0
4.3.2 Permanent residents – without jobs	3206	50		o Average % of monthly income			0%		0	0
4.3.3 Permanent farm workers	6206	50		Sanitation Affordability (Population	not able to afford	sanitation)			0	0
4.3.4 Permanent Industry workers	0	0	0						0	0
4.3.5 Professional workers	0	0		o Average % of monthly income			0%		0	0
		30%	36%	10 Francisco					17%	20%
				4.6 Economics						
				Economic Sector (As per Reserve Bank Quarterly Bulletins)	% Contribution to Local GGP	Total No of Employees	No of Local Employees	No of Migrating labour		
4.4 Demographic trends and migration patterns				Agriculture, Forestry & Fishing	90%	4287			50	40
4.4.1 Permanent resident population	40476	50	60	Mining	5%	259			50	40
4.4.2 Peak daily labour migration (-) out / (+) in	0	0	0	Manufacturing	2%	118			50	40
4.4.3 Peak long-term labour migration (-) out / (+) in	0	0		Electricity, Gas & Water	0%	0			50	40
4.4.4 Permanent population changes (-) out / (+) in	0	0	0	Construction	3%	127			50	40
4.4.5 Holiday Population	0	0	0	Insurance	0%	0			50	40
		10%	12%	Finance	0%	0			50	40
				Comments					50%	40%
				Comments						
				OVERALL QUALITY ASSESSMEN					34%	
				OVERALL QUANTITY ASSESSME	ENT					38%



TOKOLOGO LOCAL MUNICIPALITY	WS	SDP 2012
u	Topic 5: Water Services	Infrastructure Profile
Enabling Factors	Compliance Needs Develo	pment Plan
	Status Quo Future plan (to address	issues) Strategy
	Time Frame Sufficie	ent for
	S S S S S S S S S S S S S S S S S S S	
General Notes: The Enabling Factors below must be completed for the appropriate component compliancy section. All factors must be assessed and the Needs Development Plan section completed	Groundwater (Boreholes) Surface warer (Abstraction Points) * WTW Water Chumpstations Sewer Bulk pipeline Sewer Bulk pipeline Sewer Bulk pipeline Sewer Reticulation * WWTW * WWTW * WWTW * WWTW * WWTW * WWTW * Higher Level	Growth & Development ASSESSMENT In place? Sufficient ASSESSMENT
be assessed and the needs bevelopment rian section completed	Seessmen (1) Seessmen (2) Seessmen (2) Seessmen (3) Seessmen (3) Seessmen (3) Seessmen (4) Seessmen (5) Seessmen (5) Seessmen (6) Seess	Growth & Developmen ASSESSMEN Sufficient
	A Se Se Res Res Res Res Res Res Res Res Res Re	Gre Suf
	G G G G G G G G G G G G G G G G G G G	T W W
Quality: Information Accuracy Assessment	1 3 5 N * *	*
Quantity: Assessment of Information Completeness	Y/N/NA % % Y/N/NA	% Y/N %
5.1 General Information	(No of Components)	
* 5.1.1 Is there an Asset Register Monitoring Programme Yes No N	0 0 N	0 0
Does the plan address:		
*5.1.2 Is there a disaster management plan Yes No N	0 0 N	0 0
Does the plan address:	0 0 N	0 0
* 5.1.3 Is there a Water Quality Plan To be obtained from Blue & Yes No N	0 0 N	0 0
Does the plan address:	0 0 N	0 0
* 5.1.4 Is there a plan in place to manage untreated effluent Yes No N	0 0	
Does the plan address:	0 0	
5.1.5 Total number of components / km of pipeline / units	39 0 0 12 1 36 3.4 15 4 50 50	
5.1.6 VIP toilets TOTAL 1252	50 50	
5.1.7 Other dry sanitation toilets (below RDP) TOTAL 2238	50 50	
5.1.8 Septic tanks TOTAL	0 0	
Sub Topic 5.1 Compliancy & Needs Development Plans Assessment	13% 13%	0% 0%
5.2 Operation		
5.2.1 Previous incidents including Security Problems (R: Regular, P: Periodic, S: Sporadic, N: None)	P P P P P P P P P P 40 40 N	0 0
5.2.2 Is the abstraction registered with DWA?	Y Y 50 50 N	0 0
5.2.3 Is abstraction recorded?	0 0 N	0 0
5.2.4 Safety inspection performed (R: Regular, P: Periodic, S: Sporadic, N: None)	P P P P P P P P P P A0 A0 N	0 0
5.2.5 Average Operating hours per day (X hrs)	0 0 N	0 0
Sub Topic 5.2 Compliancy & Needs Development Plans Assessment	26% 26% Control of the control of th	0%
* 5.3 Monitoring & Sample Failure		00
*5.3.1 Monitoring & Sample Failure: To be obtained from Blue & Green Drop Reports	20 60 y	20 0
5.3.1.1 Monitoring: % of tests performed as required by general limits /special limits/ license requirements (Average % over previous	94.4 0 20 60 y	20 0
12 months)		
5.3.1.2 Operational: % of tests performed as required by general limits /special limits/ license requirements (Average % over previous 12 months)	99.9 0 20 60 y	20 0
5.3.1.3 Chemical (Results of tests performed. Average % sample failure over previous 12 months)	0 0 60 y	20 0
5.3.1.4 Microbiological (Results of tests performed. Average % sample failure over previous 12 months)	0 0 60 y	20 0
The state of the s		
5.3.1.5 Physical Compliance (Results of tests performed. Average % sample failure over previous 12 months)	0 0 60 y	20 0
*5.3.2 Autherisation Compliance	0 0 0 N	0 0
5.3.3 Are there any standby pumps available?	0 0 N	0 0
5.3.4 How many illegal connections to date? (NR)	0 0 N	0 0
5.3.5 What is the storage factor (x daily use)	0 0	



opic 5: Water Services Infrastructure Profile																	WSD	P 201	2	
opic 3. Water Services infrastructure Profile																				u
Enabling Factors					Co	omplia	ance							No	eds [)evelo	pmen	t Plan		
					5	Status (Quo						F	uture pla	ın (to a	ddress	issues)	Strate	eg
		ts)				ne	ne	L C	L C					Time Fra	ame	Sufficie	ent for			
eneral Notes: The Enabling Factors below must be completed for the appropriate component compliancy section. All factors mube assessed and the Needs Development Plan section completed	Groundwater (Boreholes)	Surface water (Abstraction Points)	wtw.	Water Pumpstations	Sewer Pumpstations	Water Bulk pipeline	Sewer Bulk pipeline Reservoirs	Water Reticulation	Sewer Reticulation	* WWTW	ASSESSMENT	ASSESSMENT	In place?	Short (Medium Long (! None	(3) 5)	* RDP * Higher Level		ASSESSMENT	In place? Sufficient	
Quality: Information Accuracy Assessment		٥				>	0)							1 3 5						4
Quantity: Assessment of Information Completeness					Y/N/I	NA					%	%		Y	/N/NA			%	Y/N	
3.6 % Effluent controled											0	0	N					0		
3.7 Permitted effluent (MI/day)											0	0	N					0		
3.8 Solid waste disposal (m³/day)											0	0	N					0		
3.9 Sludge produced (dry tonnes per day)											0	0	Ν					0		T
3.10 % Of the time that effluent is chlorinated											0	0	N					0		
ub Topic 5.3 Compliancy & Needs Development Plans Assessment											4%	24%						8%		
4 Functionality																				П
4.1 General physical condition (D: Dysfunctional, O: Operational, P: Prime Condition, V: Vandalised)	0	0	0	0	0	0	0 0	0	0	0	40	40	N					0		T
4.2 Number of breakages / failures per year													N					0		T
4.3 Total refurbishment needs %													N					0		T
4.4 Total refurbishment needs cost (RM)													N					0		T
4.5 Total replacement needs %													N					0		T
4.6 Total replacement needs cost (RM)													N					0		T
ub Topic 5.4 Compliancy & Needs Development Plans Assessment	<u>'</u>										7%	7%						0%		
5 Institutional Status																				
5.1 % Whereoff the WSA Self is the Current Owner	100	100	100	100	100		100 10				50	50	Ν					0		
5.2 % Whereoff the WSA Self is Current Operator	100	100	100	100	100	100 1	100 10	0 100	100	100	50	50	N					0		
ub Topic 5.5 Compliancy & Needs Development Plans Assessment				,			•				50%	50%				· ·	•	0%	,	
.6 Asset Assessment Spectrum				1	1												1			4
6.1 % Expected total lifespan: Short (1-3 yrs)											0	0	N					0		
6.2 % Expected total lifespan: Medium (3 - 10 yrs)											0	0	N					0		
6.3 % Expected total lifespan: Long (10 - 20 yrs)											0	0	N					0		
5.6.4 Estimated replacement value (RM)											0	0	N					0		
ub Topic 5.6 Compliancy & Needs Development Plans Assessment											0%	0%						0%		1
.7 Type and Capacity																				4
7.1 Capacity (m³) (WTW & WWTW: MI/day and PumpStation: L/s)										1.7	40	40	N					0		



	TOKOLOGO LOCAL MUNICIPALITY																WSDP 2	012	
D.														Topic 5	Water S	Services	Infrastru	cture P	rofile
	Enabling Factors							iance	•							Develop			
			1			1	Status	Quo								address is		Strat	tegy
General	Notes: The Enabling Factors below must be completed for the appropriate completed for the appropriate completed for the appropriate completed. The Enabling Factors below must be completed for the appropriate complete	Groundwater (Boreholes)	Surface water (Abstraction Points)	* WTW	Water Pumpstations	Sewer Pumpstations	Water Bulk pipeline	Sewer Bulk pipeline	Reservoirs	Water Reticulation	WLWW *	ASSESSMENT	ASSESSMENT	In place?	hort (1) edium (3) ong (5) None	RDP Higher Level	Growth & Development to the ASSESSMENT	In place?	ASSESSMENT
Qualit	y: Information Accuracy Assessment		3		_ ≥	Š	>	တ		> 0	,			1	3 5 N		*		
Quant	ity: Assessment of Information Completeness					Y/N/N	NA					%	%		Y/N/N	NA .	%	Y/N	%
5.7.2 Pip	e material (Most common) Water Pipeline:											0	0						
	Sewer Pipeline:						1	1				0	0						
	w much capacity is still available for development? (%)											0	0	N			0		0
	sign Capacity - Hydraulic Load (Ml/day)										1.	7 40	40	N N			0		0
	sign Capacity - Organic Load (COD kg/day) ic 5.7 Compliancy & Needs Development Plans Assessment											139	0 6 13%	IN			0	/	0%
000 100	our compliants) a recode persophilate ratio recode their											.07	0 1070					<u> </u>	0,0
5.1 G 5.2 C 5.3 M 5.4 F 5.5 Ir 5.6 A	eneral Information peration onitoring & Sample Failure unctionality stitutional Status sset Assessment Spectrum ype and Capacity											13% 26% 4% 7% 50% 0% 13%	26% 24% 7% 50%	N	OVERAL	L QUALITY	Stra	ategy	0% 16% 19%

TOKOLOGO LOCAL MUNICIPALITY																		WSI	DP 2	012			
opic 6: Operation & Maintenance																							9
Enabling Factors							Co	mpli	anc	е											t Plan		
							St	atus	Quo	1					Future							Stra	tegy
STATUS QUO (S)															Time	Fran	me	Suff	icient	for			
Z - Zero Compliance C - Critical				8	ces				ent											Growth & Development			
1 - Below minimum requirement M - Mediumal/High 2 - Minimum basic requirement				1	=xtemal resources		opare rans		& Equipment		t l	Ä	Ä	6. 6.	01:		,		<u>e</u>	lopn	Ë		F
3 - Above minimum requirement L - Low		at C		3	ë	'	D D	ı	Щ	-	Budget	ASSESSMENT	ASSESSMENT	In place?		ort (1 lium (RDP	Higher Level	eve	ASSESSMENT	In place?	ASSESSMENT
N/R Not Required				1	elle		o D D		<u>ଜ</u>	(n	SES	SES:	드		ng (5)		≅	ghe	∞ ∞	SES	ag iii	SES:
				3	Ĭ				Tools			AS	AS			lone			王	wth	AS	_ 0,	ASS
uality: Information Accuracy Assessment																				Gro			
uantity: Assessment of Information Completeness		S	-1	S	-1	S	-1	S	-1	S	-1				1 3	5	N	*	*	*			
i.1 IS THERE A OPERATION & MAINTENANCE (Y/N):												0%	0%										
AN :											L					Υ/	N / NA				%	Y/N	%
2 WATER SERVICES INFRASTRUCTURE: OPERATIONAL& MAINTENANCE	ASSESSMENT																						
2.1 Resources																							
2.1.1 Existing Groundwater Infrastructure	: OPERATION	2	С	2	М	2	М	2	М	2	С	40	40	N							0		0
	: MAINTENANCE	2	С	2	М	2	М	2	М	2	С	40	40	Ν							0		0
2.1.2 Existing Surface water Infrastructure	: OPERATION	2	С	2	М	2	М	2	М	2	С	40	40	N							0		0
	: MAINTENANCE	2	С	2	М	2	М	2	М	2	С	40	40	N							0		0
	: OPERATION	2	С	2	М		М	2	М	2	С	40	40	N							0		0
	: MAINTENANCE	2	С		М		М	2	М	2	С	40	40	N							0		0
	: OPERATION	2	С	2	М	2	М	2	М	2	С	40	40	N							0		0
	: MAINTENANCE	2	С		М	2	М	2		2	С	40	40	N							0		0
	: OPERATION	2	С	2	M		M	2	M	2	С	40	40	N							0		0
	: MAINTENANCE	2	С	2	М	2	M	2	M	2	С	40	40	N							0		0
• .	: OPERATION	2	С	2	M	2	M	2	M	2	С	40	40	N							0		0
	: MAINTENANCE	2	С	2	М	2	М	2	M	2	С	40	40	N							0		0
	: OPERATION : MAINTENANCE	2	С	2	M	2	M	2	M	2	С	40	40	N							0		0
	: OPERATION	2	С	2	M	2	M	2	M M	2	C	40 40	40	N N							0		0
	: MAINTENANCE	2	C	2	M		M	2	M	_	С	40	40	N							0		0
	. 1017 (1141 E147 (140 E	_			141		171		101			40%	40%								0%		



TOKOLOGO LOC	CAL MUNICIPALITY	,																WSDP	2012		
Φ \																Topi	с 6: Ор	eration	& M	ainteı	nance
Enabling Factors							Co	mpli	ianc	e:					Nee	ds D	evelop	ment P	lan		
							St	atus	Quo)				Future	plan (t	o ado	dress iss	ues)		Strate	egy
STATUS QUO (S) Z - Zero Compliance 1 - Below minimum requirement 2 - Minimum basic requirement 3 - Above minimum requirement N/R Not Required IMPACT (I) C - Critical M - Mediumal/High L - Low No - No Impact		% Manuals	- Available	S	Asset Register	S	As-Built Info.	S Sloot	Equipment	Contingency & Safety Plan	ASSESSMENT	ASSESSMENT	In place?	Sho Medi Lor N	Frame ort (1) um (3) ug (5) one 5		* Higher Level	Growth & Assessment Assessment	In place?	Sufficient	ASSESSMENT
6.2.2 Information		<u> </u>			-				÷					1 3	J J	IN					
6.2.2.1 Existing Groundwater Infrastructure	: OPERATION	1	С	1	С	1	М	2	М	Z C	40	40	N					0			0
	: MAINTENANCE	1	C		С		M	2				40	N					0			0
6.2.2.2 Existing Surface water Infrastructure	: OPERATION	1	С		С		M	2				40	N					0			0
	: MAINTENANCE	1	C		С		M	2				40	N					0			0
6.2.2.3 Existing Water Treatment Works Infrastructure	: OPERATION	1	С		С		M	2	M			40	N					0			0
one and the state of the state	: MAINTENANCE	1	С		С		M	2				40	N					0			0
6.2.2.4 Existing Waste Water Treatment Works Infrastructure	: OPERATION	1	С		С		M	2				40	N					0			0
g	: MAINTENANCE	1	С		С		М	2				40	N					0			0
6.2.2.5 Existing Pump Station Infrastructure	: OPERATION	1	C		С		М	2				40	N					0			0
	: MAINTENANCE	1	С		С		М	2				40	N					0			0
6.2.2.6 Existing Bulk Pipeline Infrastructure	: OPERATION	1	С		С		М	2				40	N					0			0
	: MAINTENANCE	1	С		С		М	2				40	N					0			0
6.2.2.7 Existing Tower & Reservoir Infrastructure	: OPERATION	1	С				М	2				40	N					0			0
	: MAINTENANCE	1	С					2				40	N					0			0
6.2.2.8 Existing Reticulation Infrastructure	: OPERATION	1	С	1	С	1	М	2			40	40	N					0			0
	: MAINTENANCE	1	С	1	С	1	М	2	М	Z C	40	40	N					0			0
Sub Topic 6.2.2 Compliancy & Needs Development Plans Assessment				,			<u> </u>				40%	40%							0%		0%
COMMENTS																					



TOKOLOGO LOCAL MUNICIPALITY																		WSE)P 20	12	
Topic 6: Operation & Maintenance																					9
Enabling Factors							Cor	nplia	ance						Nee	ls De	evelo	pmen	t Plar		
							Sta	atus (Quo						Future plan (to					Str	ategy
				٩	Ď	es				∞ -	5				Time Frame	S	ufficie	nt for			
STATUS QUO (S) Z - Zero Compliance 1 - Below minimum requirement 2 - Minimum basic requirement 3 - Above minimum requirement N/R Not Required IMPACT (I) C - Critical M - Mediumal/High L - Low No - No Impact		-	Procedures	Record keening in place	iii daay	Quality control procedures	establ.	Dick Management	Kisk ivialiagement	Reporting (data analysis &		ASSESSMENT	ASSESSMENT	In place?	Short (1) Medium (3) Long (5) None	7 *	* Higher Level	Growth & Development	ASSESSMENT	In place?	ASSESSMENT
Quantity: Assessment of Information Completeness		S	-1	S	-1	S	-1	S	-1	S	1										
Quality: Information Accuracy Assessment												%	%		Y/N/	NΑ			%	Y/N	%
6.2.3 Activity Control & Management																					
6.2.3.1 Existing Groundwater Infrastructure : OPERAT		2	М	1	М	2	М	1	М	1	M	40	40	N					0		0
: MAINTE		2	М	1	М	2	М	1	М	1	М	40	40	N					0		0
6.2.3.2 Existing Surface water Infrastructure : OPERAT		2	М	1	М	2	М	1	M	1	М	40	40	N					0		0
: MAINTEI		2	_	1	М	2	М	1	М		M	40	40	N					0		0
6.2.3.3 Existing Water Treatment Works Infrastructure : OPERAT		2	М	1	М	2	М	1	M	1	М	40	40	N					0		0
: MAINTE		2	М	1	М	2	М	1	М		M	40	40	N					0		0
6.2.3.4 Existing Waste Water Treatment Works Infrastructure : OPERAT		2	М	1	М	2	М	1	М		M	40	40	N					0		0
: MAINTE		2	М	1	М	2	М	1	М	1	M	40	40	N					0		0
6.2.3.5 Existing Pump Station Infrastructure : OPERAT		2	М	1	М	2	М	1	М	1	M	40	40	N					0		0
: MAINTE	NANCE	2	М	1	М	2	М	1	М	1	M	40	40	N					0		0
6.2.3.6 Existing Bulk Pipeline Infrastructure : OPERAT	ION	2	М	1	М	2	М	1	М	1	М	40	40	N					0		0
: MAINTE	NANCE	2	М	1	М	2	М	1	М	1	М	40	40	N					0		0
6.2.3.7 Existing Tower & Reservoir Infrastructure : OPERAT	ION	2	М	1	М	2	М	1	М	1	М	40	40	N					0		0
: MAINTE	NANCE	2	М	1	М	2	М	1	М	1	M	40	40	N					0		0
6.2.3.8 Existing Reticulation Infrastructure : OPERAT		2	М	1	М	2	М	1	М	1	М	40	40	N					0		0
: MAINTEI	NANCE	2	М	1	М	2	М	1	М	1	M	40	40	N					0		0
Sub Topic 6.2.3 Compliancy & Needs Development Plans Assessment												40%	40%						0%		0%





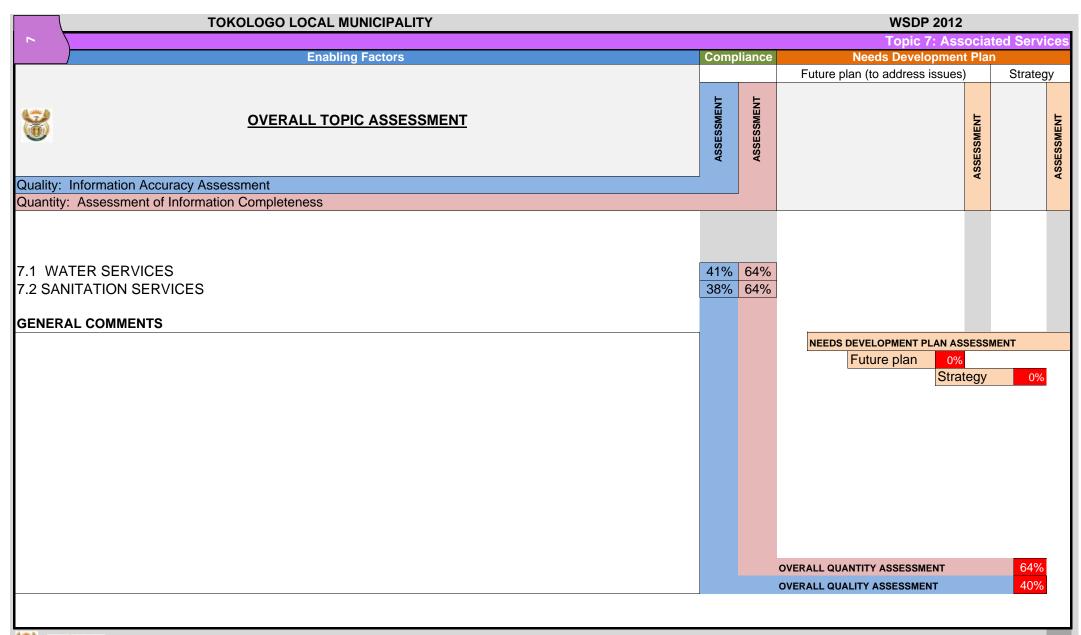
PLOGO LOCAL MUNICIPALITY																W	VSDI	P 201	2	
· ·																			Mainte	enance
Enabling Factors							nplian							Needs				Plan		
							atus Qu	10						Future plan (to a					Stra	tegy
STATUS QUO (S) Z - Zero Compliance		901	Spino	- Place	Control	lished	ent							Time Frame	Suffi	icient f				
1 - Below minimum requirement 2 - Minimum basic requirement 3 - Above minimum requirement N/R Not Required C - Critical M - Mediumal/High L - Low No - No Impact		Dolicies & Drocedure	8 0000 D	Record keeping in Place	Quality Contri	Procedures Estab	Risk Management		Reporting	ASSESSMENT		ASSESSMENT	In place?	Short (1) Medium (3) Long (5) None	RDP			ASSESSMENT	In place? Sufficient	ASSESSMENT
Quantity: Assessment of Information Completeness		S	- 1	S I	S	-1	S	I S	1	I				1 3 5 N		*	*			
Quality: Information Accuracy Assessment										%		%		Y / N / NA	4			%	Y/N	%
* 6.3 Water Supply and Quality	In Place Y / N																			
6.3.1 Water: Incident Management Protocol	N																			
6.3.2 Water: Process Control	N																			
6.3.3 Water: Monitoring Programme	N																			
6.3.4 Water: Sample Analysis (Credible: Scale 1 – 5 as per Blue Drop requirements)	0																			
6.3.5 Water: Failure Response Management	N																			
6.3.6 Blue Drop Status	N	ΑĽ	DD S	CORE F	ROM	BLU	E DRO	P ST	ΑΤι	JS 20	%	60%	1					20%		0%
* 6.4 Waste Water Supply and Quality	In Place Y / N									' <u>-</u>			_							
6.4.1 Waste Water: Incident Management Protocol	N																			
6.4.2 Waste Water: Process Control	N																			
6.4.3 Waste Water: Monitoring Programme	N																			
6.4.4 Waste Water: Sample Analysis (Credible: Scale 1 – 5 as per Green Drop requirements)	0																			
6.4.5 Waste Water: Failure Response Management	N																			
6.4.6 Green Drop Status	N	ADD	sco	ORE FRO	OM G	REE	N DRO	P ST	ATL	JS 0	%	60%						20%		0%
6.1 OPERATION & MAINTENANCE PLAN 6.2.1 RESOURCES 6.2.2 INFORMATION 6.2.3 ACTIVITY CONTROL & MANAGEMENT 6.3 WATER SUPPLY AND QUALITY (BLUE DROP)										0% 40% 40% 40% 20%	6 4 6 4 6 4	0% 40% 40% 40% 60%								
6.4 WASTE WATER SUPPLY AND QUALITY (GREEN DRC	P)									0%	6	60%								
COMMENTS									_					NEEDS DEVEL					ENT	
														Fut	ture p	lan		8% Strate	ЭУ	0%
														OVERALL QUA	ALITY A	SSESSI	MENT			23%
														OVERALL QUA	ANTITY.	ASSES	SMEN	IT		40%



TOKOLOGO LOCAL	MUNICIPALITY									V	NSDP	2012		I	
Topic 7: Associated Services															
		Enabling Factors				Comp	liance		N	eeds l	Develo	pmen	t Plar		
								F	uture plan	(to ac	dress	issues)	1	Stra	ategy
									Time Fra	me	Suffici	ent for			
	esources available to per	form function? (Yes: Y,	No: N, Not Applicable:	NA):		ASSESSMENT	ASSESSMENT	In place?	Short (1 Medium Long (5 None	(3)	RDP Higher Level	Growth & Development	ASSESSMENT	In place?	Sufficient ASSESSMENT
Quality: Information Accuracy A											* *	*			
Quantity: Assessment of Inform	nation Completene	ess							1 3 5						
7.1 Water Services						%	%		Y /	N / NA			%	Y/N	l %
Associated Services Facility	Number of facilities	Facilities with adequate services	Facilities with no services	Facilities with inadequate services	Total Potential cost (basic level) (RM)										
7.1.1 Education Plan															
* Schools	33	33	3			55	80	N					0		0
Tertiary education facility						0	0	N					0		0
Total	33	33	3	0	0						·				
* 7.1.2 Health Plan															
* Hospitals	1	1	0	0		60	80	N					0		0
* Health centres	1	1	0	0		60	80	N					0		0
* Clinics	7	3	0	4		30	80	N					0		0
Total	9	5	0	4	0						<u>.</u>				
Sub Topic 7.1 Compliancy & Needs Develop	oment Plans Assessmen	t				41%	64%						0%		0%
7.2 Sanitation Services 7.2.1 Education Plan															
* Schools	33	16	11	17		30	80	N					0		0
Tertiary education facility						0	0	N					0		0
Total	33	16	11	17	0						·				
* 7.2.2 Health Plan															
* Hospitals	1	1	0	0		60	80	N					0		0
* Health centres	1	1	0	0		60	80	N					0		0
* Clinics	9	7	0	2		40	80	N					0		0
Total	7	5	0	2	0										
Sub Topic 7.2 Compliancy & Needs Develop	oment Plans Assessmen	t				38%	64%						0%		0%





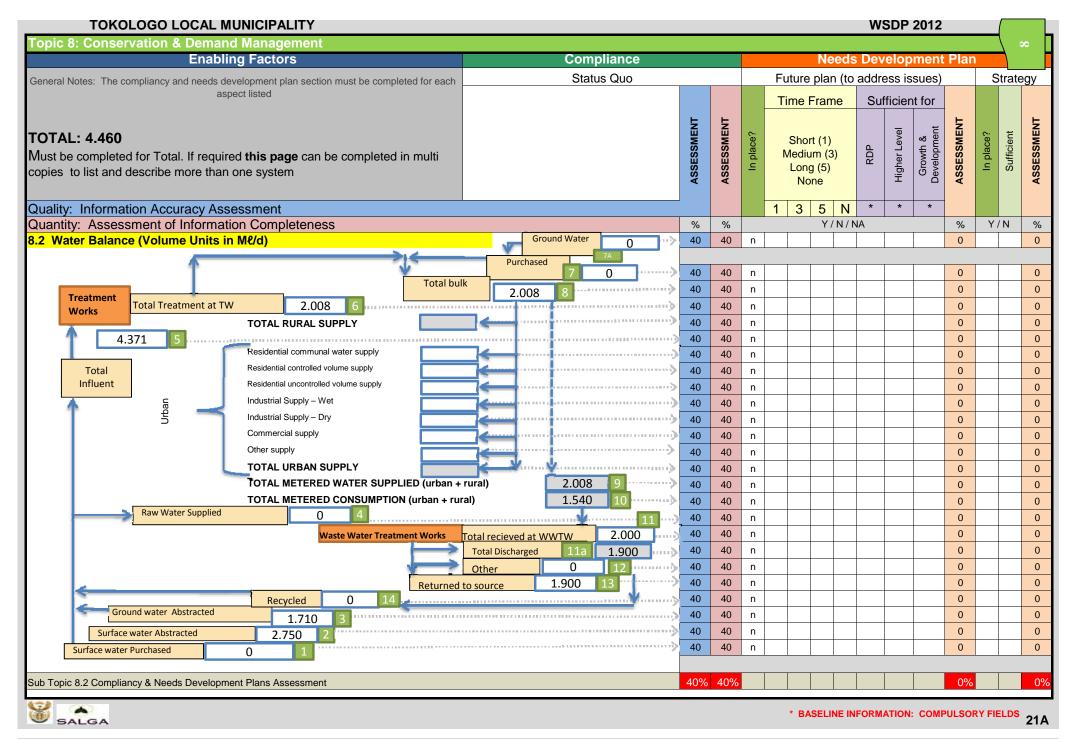


TOKOLOGO LOCAL MUNICIPALITY												WS	DP 2	2012			
Topic 8: Conservation & Demand Management																$\overline{}$	∞
Enabling Factors			Complia							Ne	eds	Deve	lopr	nent	Plan		
			Status Q	uo					Futu	re plar	ı (to a					Str	ategy
	م م								Tir	ne Fra	me	Suf	ficien	t for			
	Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):	Urban Se	tlements	Rural Se	ettlements	ASSESSMENT	ASSESSMENT	In place?	М	Short (1 ledium (Long (5 None	(3)	RDP	Higher Level	Growth & Development	ASSESSMENT	In place?	Sufficient ASSESSMENT
Quality: Information Accuracy Assessment	Res (es:	Number Of	% of Total	Number Of	% of Total					0 5		*	*	*			
Quantity: Assessment of Information Completeness	2								1	3 5	N	*	*	*			
8.1 Water Resource Management Interventions						%	%			Υ/	' N / NA	4			%	Y/1	N %
* 8.1.1 Reducing unaccounted water and water inefficiencies																	
8.1.1.1 Night flow metering						0	0	N							0		0
8.1.1.2 Day flow metering						0	0	N							0		0
8.1.1.3 Reticulation leaks						0	0	N							0		0
8.1.1.4 Illegal connections						0	0	N							0		0
8.1.1.5 Un-metered connections						0	0	N							0		0
8.1.1.6 Internal plumbing leaks						0	0	N							0		0
* 8.1.2 Reducing high pressures for residential consumers Number of consumer units with water supply pressure of:					TOTAL	0%	0%								0%		0%
8.1.2.1 <300kPa						0	0										
8.1.2.2 300 –600kPa						0	0										
8.1.2.3 600 –900kPa						0	0	N							0		0
8.1.2.4 >900kPa (>9Bar)						0	0	N							0		0
* 8.1.3 Leak and meter repair programmes Consumer units targeted by:					TOTAL	0%	0%								0%		0%
8.1.3.1 Leak repair assistance programme						0	0	N							0		0
8.1.3.2 Retro-fitting of water efficient toilets						0	0	N							0		0
8.1.3.3 Meter repair programme Y / N:						0	0	N							0		0
8.1.4 Consumer/end-use demand management: Public Information & Education Programmes					TOTAL		0%					1			0%		0%
8.1.4.1 Schools targeted by education programmes						0	0	N							0		0
8.1.4.2 Consumers targeted by public information programmes						0	0	N					<u> </u>		0		0
* 8.1.4.3 IS THERE A OPERATION & MAINTENANCE PLAN?		(Y/N):				0%	0%								0%		0%
Sub Topic 8.1 Compliancy & Needs Development Plans Assessment						0%	0%								0%		0%



Sta	nplian								onserv lopme			nand N	lanage	ement							
Sta							Needs	Deve	lopme	nt Plar)										
	atus Qu	0							Needs Development Plan												
					Futu	Future plan (to address						9	/								
nts			Time Frame					ıfficient	for			U,									
er of Settleme	SSESSMENT	SSESSMENT	In place?		Short (1) Medium (3) Long (5) None		RDP	ligher Level	ւ & Development	ASSESSMENT	In place?	Sufficient	ASSESSMENT								
륕	ĕ	ĕ									rowt			ĕ							
ž	Ž			1	3	5	N			Ē											
								*	*	*											
Number of	%	%				Y/N	I / NA				%	Υ/	'N	%							
Number of							.,				,,,										
8																					
Is the	ere a Wor	king for V	Vater Pro	gramme	in Place:	((Y/N):														
	8	Number of %	Number of % %	Number of % %	Number of % %	Number of % %	Number of % % Y/N	Number of % % Y/N/NA 8	Number of % % Y/N/NA	Number of % % Y/N/NA		Number of % % Y/N/NA %	Number of % % Y/N/NA % Y/	Number of % % Y/N/NA % Y/N							





WSDP 2012

Enabling Factor	'S	Compliance		Needs Developr	nent Pla	n
General Notes: The compliancy and needs development pl	an section must be completed for each	Status Quo	Fut	ture plan (to address iss	sues)	Strategy
aspect listed			Tir	me Frame Sufficient		
TOTAL: 4.460				Short (1) o o o o o o o o o o o o o o o o o o o	Growth & Development ASSESSMENT	In place? Sufficient ASSESSMENT
Must be completed for Total. If required this page			SE SE	Long (5) 💮 👸 📙	SES	Suff Suff
copies to list and describe more than one system	m		AS	None = =	Growth	AS
Quality: Information Accuracy Assessment			1	3 5 N * *	*	
Quantity: Assessment of Information Comp	eteness		% %	Y / N / NA	%	Y/N %
8.3 Water Losses						
8.3.1 ●- Raw Water Bulk Loss	Tatal Davis					
Raw Water at - Treatment	Total Raw Water Bulk - Raw Water Received Supplied	% LOSS				
5 -	(1+2+3+14) - 4					
4.371 -	4.460 - 0.000	= -0.0892 -2%	40 40 n		0	0
8.3.2 ●- Treated Water Loss :Bulk						
Total Metered Supplied -	(Total Treated at Treated Water + P	urchased Treated Water)				
9 -	8					
2.008	2.008	= 0 0%	40 40 n		0	0
8.3.3 • - Treated Water Loss :Internal						
Metered Consumption -	Metered Supplied					
10 -	9					
1.540 -	2.008	-10%	40 40 n		0	0
8.3.4 • - Water Balance						
Bulk /\	Usage + Discharged	Value				
Input (1+2+3+7+7a)-4 -	9 + 13	Value	40 40			
4.460	2.008 1.900	4.3525 98%	40 40 n		0	0
Sub Topic 8.3 Compliancy & Needs Development Plans Ass	essment		40% 40%		0%	6 0

TOROLOGO LOCAL MUNICIPALITY							VV	שנים	2012				
Topic 8: Conservation & Demand Management												<u> </u>	0
Enabling Factors	Compliance				Ne	eds	Deve	elopn	nent l	Plan		<u> </u>	
General Notes: The compliancy and needs development plan section must be completed for each	Status Quo				Future plan (to address issues)					Stı	rateg	ју	
aspect listed					Time Fran	me	Suf	ficien	t for				
TOTAL: Must be completed for Total. If required this page can be completed in multi copies to list and describe more than one system		ASSESSMENT	ASSESSMENT	In place?	Short (1) Medium (3 Long (5) None	3)	RDP	Higher Level	Growth & Development	ASSESSMENT	In place?	Sufficient	ASSESSMENT
Quality: Information Accuracy Assessment					1 3 5	N	*	*	*				
Quantity: Assessment of Information Completeness	Ground Water	%	%		Y	/ N / N	NA			%	Υ/	N	%
8.2 Water Balance (Volume Units in Mℓ/d)	Ground Water												
1	Purchased												
Total bul	lk												
Treatment Total Treatment at TW	8												
TOTAL RURAL SUPPLY													
101AL RORAL SUFFEI													
Residential communal water supply	¬ ←												
Total Residential controlled volume supply													
Influent Residential uncontrolled volume supply													
Industrial Supply – Wet	—												
Industrial Supply – Wet Industrial Supply – Dry													
Commercial supply	·····›												
Other supply	—												
TOTAL URBAN SUPPLY	——————————————————————————————————————												
TOTAL METERED WATER SUPPLIED (urban +	rural)												
TOTAL METERED CONSUMPTION (urban + rur	ral) 10												
Raw Water Supplied 4	11												
Waste Water Treatment Works	Total recieved at WWTW												
\rightarrow	Total Discharged 11a												
	Other 12												
Returned	to source 13												
Recycled 14	×												
Ground water Abstracted 3	````												
Surface water Abstracted 2													
Surface water Purchased 1													
Sub Topic 8.2 Compliancy & Needs Development Plans Assessment		0%	0%							0%			0%



	TOKOLOGO LOCAL MUNICIPALITY WSDP 2012											
∞ ′				To	ppic 8: Conserv	ation &	Demar	nd Ma	nage	ment		
	Enabling Factors	Compliance Needs Development						Plan				
General	oral Notes: The compliancy and needs development plan section must be completed for each Status Quo				Future plan (to address issues)							
	aspect listed				Time Frame	Suffici						
copies	e completed for Total. If required this page can be completed in multi to list and describe more than one system		ASSESSMENT	ASSESSMENT In place?	None	Basic Hidher Level	Grow	ASSESSMENT	In place? Sufficient	ASSESSMENT		
	7: Information Accuracy Assessment				1 3 5 N	* *	*					
Quanti	ty: Assessment of Information Completeness		%	%	Y/N/	NA		%	Y/N	%		
	Ater Losses 3.3.1 •- Raw Water Bulk Loss Raw Water at Total Raw Raw Water											
	Treatment - Water Bulk - Supplied 5 - (1+2+3+14) - 4	% LOSS										
	· ·	=										
8	3.3.2 •- Treated Water Loss: Bulk Total Metered Supplied - (Total Treated at Treated Water + P	urchased Treated Water)										
8	Metered Consumption - Metered Supplied 10 - 9											
8	3.3.4 ● - Water Balance Bulk Usage + Discharged Input (1+2+3+7+7a)-4 - 9 + 13	Value										
) T	a 0.2 Compliance 9 Neada Davidanment Plana Accessment		00/	00/				00/		00/		

TOKOLOGO LOCAL MUNICIPALITY							w:	SDP	2012				
Topic 8: Conservation & Demand Management												×	
Enabling Factors	Compliance				Ne	eds	Deve	elopn	nent I	Plan			
General Notes: The compliancy and needs development plan section must be completed for each	Status Quo				Future plar	n (to	addre	ess iss	sues)		Str	rateg	у
aspect listed					Time Fran	me	Suf	ficien	t for				
		_	_		Timo Tiai	110	Oui	1101011	101				
TOTAL:				<u>~:</u>	.			le/	ent		<u>ر.</u>	¥	
		ASSESSMENT	ASSESSMENT	place?	Short (1) Medium (3		RDP	Higher Level	Growth & Development	ASSESSMENT	In place?	Sufficient	ASSESSMENT
Must be completed for Total. If required this page can be completed in multi copies to list and describe more than one system		SES	SES	ם	Long (5)		R	ghei	Srow velc	SES	d u	Suff	SES
copies to list and describe more than one system		AS	AS		None			Ī		AS			AS
				-		1	*	*	*				
Quality: Information Accuracy Assessment		0/	0/		1 3 5			^		0/	V /	NI	0/
Quantity: Assessment of Information Completeness 8.2 Water Balance (Volume Units in Mt/d)	Ground Water	%	%		Y	/ N / N	NA			%	Y/I	N	%
8.2 Water Balance (Volume Onits in Wc/u)	74												
1	Purchased												
Total bul	k										\rightarrow	_	
Treatment Total Treatment at TW	8										\rightarrow		
TOTAL RURAL SUPPLY											\dashv	-	
TOTAL RURAL SUFFLY											\dashv	-	
Residential communal water supply											_	-	
Total Residential controlled volume supply												-	
Influent Residential uncontrolled volume supply												- 1	
Industrial Supply – Wet													
Industrial Supply – Wet Industrial Supply – Dry													
Commercial supply	······												
Other supply	—												
TOTAL URBAN SUPPLY													
TOTAL METERED WATER SUPPLIED (urban +	rural) 9												
TOTAL METERED CONSUMPTION (urban + rur	al) 10												
Raw Water Supplied 4													
Waste Water Treatment Works	Total recieved at WWTW												
\rightarrow	Total Discharged 11a												
	Other 12												
Returned	to source 13												
- Hecycleu	¥												
Ground water Abstracted 3													
Surface water Abstracted 2													
Surface water Purchased 1									ш				
Sub Topic 8.2 Compliancy & Needs Development Plans Assessment		0%	0%							0%			0%



	TOKOLOGO LOCAL MUNICIPALITY						WS	SDP 2	2012			
· · ·				T	opi	c 8: Conserva	ation	& De	man	d Maı	nagen	nent
	Enabling Factors	Compliance				Needs	Deve	lopm	ent F	Plan		
General	Notes: The compliancy and needs development plan section must be completed for each	Status Quo			-	Future plan (to	addre	ss iss	ues)		Strate	gy
	aspect listed					Time Frame	Suf	ficient	for			
ТОТА	L:		MENT	JENT	C.	Short (1)		evel	elopment	MENT	aut et	MENT
Must be	e completed for Total. If required this page can be completed in multi		SS	SS	place	Medium (3)	Basic	erL	Dev	SS	Sufficient	SSI
copies	to list and describe more than one system		ASSESSMENT	ASSESSMENT		Long (5) None	*	* Higher Level	* Growth & Development	ASSESSMENT	Sur	ASSESSMENT
	: Information Accuracy Assessment					1 3 5 N		*	*		V (1)	
Quanti	ty: Assessment of Information Completeness		%	%		Y/N/N	IA.			%	Y/N	%
0 2 \\\	ater Losses											
	3.3.1 •- Raw Water Bulk Loss											
·	Raw Water at - Water Bulk - Supplied Treatment - Water Bulk - Supplied 5 - (1+2+3+14) - 4	% LOSS										
		=										
8	3.3.2 • - Treated Water Loss: Bulk Total Metered Supplied - (Total Treated at Treated Water + P	urchased Treated Water)										
8	3.3.3 • - Treated Water Loss :Interna											
	Metered Consumption - Metered Supplied 10 - 9											
8	Bulk Usage + Discharged											
	Input (1+2+3+7+7a)-4 - 9 + 13	Value										
						, ,						
Out Tani	a 0.2 Compliance 9 Noods Development Plans Assessment		00/	00/						00/		00/

TOKOLOGO LOCAL MUNICIPALITY							w:	SDP	2012				
Topic 8: Conservation & Demand Management												×	
Enabling Factors	Compliance				Ne	eds	Deve	elopn	nent I	Plan			
General Notes: The compliancy and needs development plan section must be completed for each	Status Quo				Future plar	n (to	addre	ess iss	sues)		Str	rateg	у
aspect listed					Time Fran	me	Suf	ficien	t for				
		_	_		Timo Tiai	110	Oui	1101011	101				
TOTAL:				<u>~:</u>	.			le/	ent		<u>ر.</u>	¥	
		ASSESSMENT	ASSESSMENT	place?	Short (1) Medium (3		RDP	Higher Level	Growth & Development	ASSESSMENT	In place?	Sufficient	ASSESSMENT
Must be completed for Total. If required this page can be completed in multi copies to list and describe more than one system		SES	SES	ם	Long (5)		R	ghei	Srow velc	SES	d u	Suff	SES
copies to list and describe more than one system		AS	AS		None			Ī		AS			AS
				-		1	*	*	*				
Quality: Information Accuracy Assessment		0/	0/		1 3 5			^		0/	V /	NI	0/
Quantity: Assessment of Information Completeness 8.2 Water Balance (Volume Units in Mt/d)	Ground Water	%	%		Y	/ N / N	NA			%	Y/I	N	%
8.2 Water Balance (Volume Onits in Wc/u)	74												
1	Purchased												
Total bul	k										\rightarrow	_	
Treatment Total Treatment at TW	8										\rightarrow	_	
TOTAL RURAL SUPPLY											\dashv	-	
TOTAL RURAL SUFFLY											\dashv	-	
Residential communal water supply											-	-	
Total Residential controlled volume supply												-	
Influent Residential uncontrolled volume supply												- 1	
Industrial Supply – Wet													
Industrial Supply – Wet Industrial Supply – Dry													
Commercial supply	······												
Other supply	—												
TOTAL URBAN SUPPLY													
TOTAL METERED WATER SUPPLIED (urban +	rural) 9												
TOTAL METERED CONSUMPTION (urban + rur	al) 10												
Raw Water Supplied 4													
Waste Water Treatment Works	Total recieved at WWTW												
\rightarrow	Total Discharged 11a												
	Other 12												
Returned	to source 13												
- Hecycleu	¥												
Ground water Abstracted 3													
Surface water Abstracted 2													
Surface water Purchased 1									ш				
Sub Topic 8.2 Compliancy & Needs Development Plans Assessment		0%	0%							0%			0%



TOKOLOGO LOCAL MUNICIPALITY	WSDP 2012
∞ \	Topic 8: Conservation & Demand Management
Enabling Factors Compliance	Needs Development Plan
General Notes: The compliancy and needs development plan section must be completed for each Status Quo	Future plan (to address issues) Strategy
aspect listed	Time Frame Sufficient for
TOTAL: Must be completed for Total. If required this page can be completed in multi copies to list and describe more than one system Quality: Information Accuracy Assessment	ASSESSMENT
Quantity: Assessment of Information Completeness	% % Y/N/NA % Y/N %
8.3 Water Losses 8.3.1 • Raw Water Bulk Loss Raw Water at Treatment - Water Bulk - Supplied	
8.3.3 • - Treated Water Loss: Interna Metered Consumption - Metered Supplied 10 - 9 =	0% 0% 0%

TOROLOGO LOCAL MUNICIPALITY							VV	שנים	2012				
Topic 8: Conservation & Demand Management												<u> </u>	0
Enabling Factors	Compliance				Ne	eds	Deve	elopn	nent l	Plan		<u> </u>	
General Notes: The compliancy and needs development plan section must be completed for each	Status Quo				Future plar	า (to :	addre	ss iss	sues)		Stı	rateg	ју
aspect listed					Time Fran	me	Suf	ficien	t for				
TOTAL: Must be completed for Total. If required this page can be completed in multi copies to list and describe more than one system		ASSESSMENT	ASSESSMENT	In place?	Short (1) Medium (3 Long (5) None	3)	RDP	Higher Level	Growth & Development	ASSESSMENT	In place?	Sufficient	ASSESSMENT
Quality: Information Accuracy Assessment					1 3 5	N	*	*	*				
Quantity: Assessment of Information Completeness	Ground Water	%	%		Y	/ N / N	NA I			%	Υ/	N	%
8.2 Water Balance (Volume Units in Mℓ/d)	Ground Water												
1	Purchased												
Total bul	k												
Treatment Total Treatment at TW	8												
TOTAL RURAL SUPPLY													
10TAL RORAL SUFFEI													
Residential communal water supply	¬←												
Total Residential controlled volume supply													
Influent Residential uncontrolled volume supply	—												
Industrial Supply – Wet)												
Industrial Supply – Wet	()												
Commercial supply													
Other supply	—												
TOTAL URBAN SUPPLY	——————————————————————————————————————												
TOTAL METERED WATER SUPPLIED (urban +	rural) 9												
TOTAL METERED CONSUMPTION (urban + rui	al) 10												
Raw Water Supplied 4													
Waste Water Treatment Works	Total recieved at WWTW												
	Total Discharged 11a												
	Other 12												
Returned	to source 13												
Recycled 14	·····>												
Ground water Abstracted 3													
Surface water Abstracted 2	»												
Surface water Purchased 1	»												
Sub Topic 8.2 Compliancy & Needs Development Plans Assessment		0%	0%							0%			0%



TOKOLOGO LOCAL MUNICIPALITY				WSDP 201	12		
∞		To	pic 8: Conserva	ition & Dema	and Ma	anager	nent
Enabling Factors	Compliance		Needs I	Developmen	nt Plan		
General Notes: The compliancy and needs development plan section must be completed for each	Status Quo		Future plan (to a	address issues	s)	Strate	egy
aspect listed			Time Frame	Sufficient for			
TOTAL: Must be completed for Total. If required this page can be completed in multi copies to list and describe more than one system Quality: Information Accuracy Assessment		ASSESSMENT ASSESSMENT In place?	Short (1) Medium (3) Long (5) None	* Basic * Higher Level * Growth & Development		In place?	ASSESSMENT
Quantity: Assessment of Information Completeness		% %	Y/N/N	IA .	%	Y/N	%
8.3 Water Losses 8.3.1 - Raw Water Bulk Loss Raw Water at Treatment - Water Bulk Received 5	% LOSS = Purchased Treated Water) =						
8.3.3 - Treated Water Loss :Interna Metered Consumption - Metered Supplied 10 - 9 - Supplied 8.3.4 - Water Balance Bulk Usage + Discharged Input (1+2+3+7+7a)-4 - 9 + 13	= Value						
Sub Topic 8.3 Compliancy & Needs Development Plans Assessment		0% 0%			0%		0%

TOKOLOGO LOCAL MUNICIPALITY		T	OKO	LOGO LOCAL MUNICIPALITY			
Topic 8: Conservation & Demand Management							•
Enabling Factors	Compliance			Needs Developme			
	Status Quo			Future plan (to address issues	5)	Strate	gy
OVERALL TOPIC ASSESSME	<u>NT</u>	ASSESSMENT	ASSESSMENT		ASSESSMENT		ASSESSMENT
Quality: Information Accuracy Assessment Quantity: Assessment of Information Completeness							
8.1 WATER RESOURCE MANAGEMENT INTERVENTION 8.2 WATER BALANCE 8.3 WATER LOSSES Comments	DNS	0% 40% 40%	0% 40% 40%	NEEDS DEVELOPMENT PLA Future plan	0% Str	ategy	0%
				OVERALL QUALIT	Y ASSI	ESSMENT	27%
				OVERALL QUANTIT	Y ASS	ESSMENT	27%

Topic 9: Water Resources

* 9.1 Sources & Volumes

* CURRENT Water sources	* Number of sources	* Current abstraction (Mm³/A)	* Licensed abstraction (Mm³/A)		nity water oply
				Rural	Urban
Groundwater	39	1.27	0.05475		
Surface Water		2.75			
xternal Sources (Bulk purchase)					
Vater returned to source					
Sub Topic 9.1 Compliancy & Needs De	evelopment Plans	Assessment		•	•

Additional Source Available	* Number of sources	Potential Volume	* Licensed abstraction (Mm³/A)
Groundwater			
Surface Water			
External Sources (Bulk purchase)			

Enabling Factors		Compl	iance	!				Ne	eds D	evelo	omen	Plan				
		Status	Ouo				Futui	e plan (to addı	ess iss	sues)			St	trategy	/
		Status	Quo				Time	Frame		Su	fficient	for				
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):	General Assesment on Scale 1-5 None 0% Limited 20% Partial 40% Good 60% Excellent 80%	Budget, Tools & Equipment & Personnel	ASSESSMENT	ASSESSMENT	In place?		Med Lo	ort (1) lium (3) ng (5) lone		RDP	Higher Level	Growth & Development	ASSESSMENT	In place?	Sufficient	ASSESSMENT
Quality: Information Accuracy Assessment		Bud & Pe				1	3	5	N	*	*	*				
Quantity: Assessment of Information Completeness		Y/N/NA	%	%				Y/N	/ NA				%	Y	/ N	%
9.2 Monitoring	Is there a Monito	ring Plan in	Place	(Y/	'N):								0			(
9.2.1 % of water abstracted monitored: Surface water			0	0	N								0			0
9.2.2 % of water abstracted monitored: Groundwater			0	0	N								0			0
9.2.3 % of water abstracted monitored: External Sources (Bulk purchase)			0	0	N								0			0
9.2.4 Water levels (1: daily, 2: weekly, 3: monthly, 4: annually, 5: never)			0	0	N								0			0
9.2.5 Water quality? (1: daily, 2: weekly, 3: monthly, 4: annually, 5: never)			0	0	N								0			0
9.2.6 Borehole abstraction? (1: daily, 2: weekly, 3: monthly, 4: annually, 5: never)			0	0	N								0			0
* 9.2.7 % Compliance to drinking water acceptable limits			0	0	N								0			0
* 9.2.8 % Compliance to effluent release acceptable limits			0	0	N								0			0
9.2.9 Number of monitoring points for drinking water sufficient			0	0	N								0			0
9.2.10 Number of monitoring points for effluent release sufficient			0	0	N								0			0
Sub Topic 9.2 Compliancy & Needs Development Plans Assessment			0%	0%		•	•		•	•	•		0%			0%

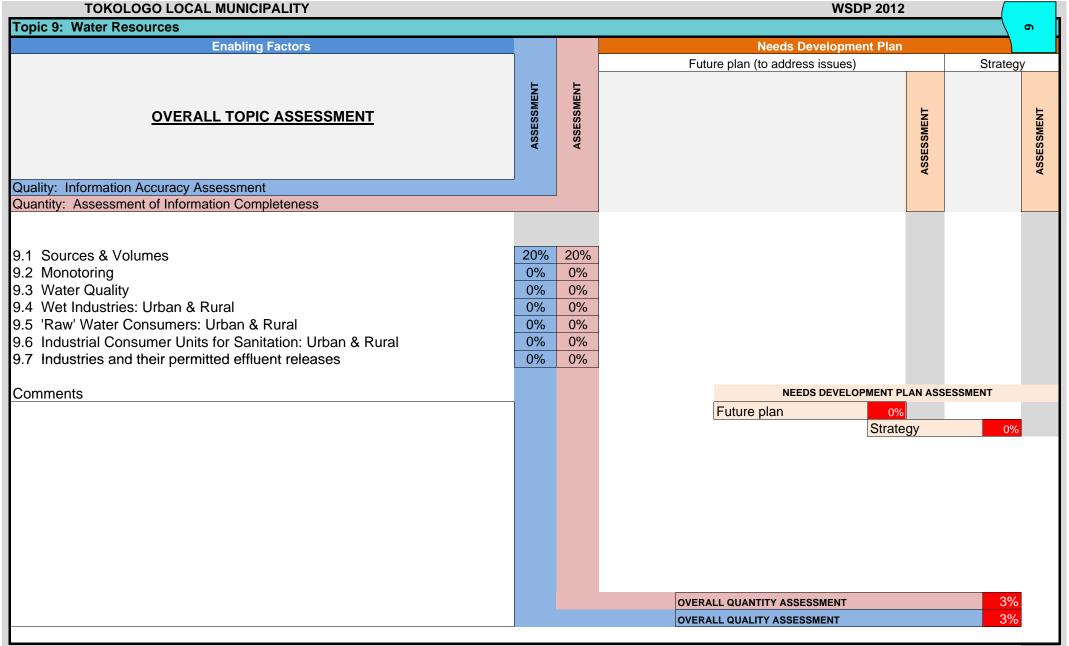


Quantity: Assessment of Information Completeness Y/N/NA % % Y/N/NA % Y/N/NA % X/NA Y/N/NA X/NA Y/NA Y/NA Y/NA Y/NA Y/NA Y/NA Y/NA Y	TOKOLOGO LOCAL MUNICIPALITY											W	/SDP	2012				
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA): **Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA): **Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA): **Status Quo **Status Quo **Future plan (to address issues) **Status Quo **Status Qu	Topic 9: Water Resources																(6	
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA): **Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA): **Partial W. Seeds 1-5 Nor * * * * * * * * * * * * * * * * * * *	Enabling Factors			Compli	ance					Nee	ds De	velop	men	t Plan				
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA): Assessment on Seele 1-5 None None	· · · · · · · · · · · · · · · · · · ·								Future	plan (t	o addre	ess iss	ues)			St	rategy	,
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA): Control of the control of the control of the control of the resource: urban & urba				∞5										t for				
Quantity: Assessment of Information Completeness Y/N/NA % % Y/N/NA % Y/N/NA % Y/N/NA % % Y/N/NA % % Y/N/NA X/NA Y/NA Y/NA Y/NA Y/NA Y/NA Y/NA Y/NA Y	Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):	Assesment on Scale 1-5 None 0% Limited 20% Partial 40% Good 60%	lace? Y/N	iget, Tools & Equipment Personnel	ASSESSMENT	ASSESSMENT	In place?		Mediur Long	m (3) (5)					ASSESSMENT	In place?	Sufficient	ASSESSMENT
9.3 Water Quality 9.3.1 Reporting on quality of water taken from source: urban & rural 9.3.2 Quality of water returned to the resource: urban 9.3.3 Quality of water returned to the resource: urban 9.3.4 Suality of water returned to the resource: urban 9.3.5 Quality of water rater a Pollution contingency measures plan in place? 9.3.6 Quality of water taken from source: urban - % monitored by WSA self? 9.3.7 Quality of water taken from source: urban - % monitored by WSA self? 9.3.8 Quality of water raturned to the source: urban - % monitored by WSA self? 9.3.8 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.8 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment Sub Topic 9.3 Compliancy & Needs Development Plans Assessment Sub Topic 9.3 Compliancy & Needs Development Plans Assessment	Quality: Information Accuracy Assessment		ln P	Bud				1	3	5	Ν	*	*	*				
9.3 Water Quality 9.3.1 Reporting on quality of water taken from source: urban & rural 9.3.2 Quality of water returned to the resource: urban 9.3.3 Quality of water returned to the resource: rural 9.3.4 Is there a Pollution contingency measures plan in place? 9.3.5 Quality of water taken from source: urban - % monitored by WSA self? 9.3.6 Quality of water taken from source: rural - % monitored by WSA self? 9.3.7 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.8 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year				Y/N/NA	%	%		,	<u>'</u>	Y/N/	NA	'		_	%	Υ/	N	%
9.3.1 Reporting on quality of water taken from source: urban 8 rural 9.3.2 Quality of water returned to the resource: urban 9.3.3 Quality of water returned to the resource: rural 9.3.4 Is there a Pollution contingency measures plan in place? 9.3.5 Quality of water taken from source: urban - % monitored by WSA self? 9.3.6 Quality of water taken from source: rural - % monitored by WSA self? 9.3.7 Quality of water taken from source: rural - % monitored by WSA self? 9.3.8 Quality of water returned to the source: rural - % monitored by WSA self? 9.3.8 Quality of water returned to the source: rural - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Is there a Wa	ater (Quality Plan	in Pla	ace (Y / N):											
9.3.2 Quality of water returned to the resource: urban 9.3.3 Quality of water returned to the resource: rural 9.3.4 Is there a Pollution contingency measures plan in place? 9.3.5 Quality of water taken from source: urban - % monitored by WSA self? 9.3.6 Quality of water taken from source: rural - % monitored by WSA self? 9.3.7 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.8 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							- /											
9.3.3 Quality of water returned to the resource: rural 9.3.4 Is there a Pollution contingency measures plan in place? 9.3.5 Quality of water taken from source: urban - % monitored by WSA self? 9.3.6 Quality of water taken from source: rural - % monitored by WSA self? 9.3.7 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.8 Quality of water returned to the source: rural - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					0	0												
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9.3.5 Quality of water taken from source: urban - % monitored by WSA self? 9.3.6 Quality of water taken from source: rural - % monitored by WSA self? 9.3.7 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.8 Quality of water returned to the source: rural - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
9.3.6 Quality of water taken from source: rural - % monitored by WSA self? 9.3.7 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.8 Quality of water returned to the source: rural - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
9.3.7 Quality of water returned to the source: urban - % monitored by WSA self? 9.3.8 Quality of water returned to the source: rural - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
9.3.8 Quality of water returned to the source: rural - % monitored by WSA self? 9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			_															
9.3.9 Are these results available in electronic format? (Yes/no) 9.3.10 % Time (days) within SABS 241 standards per year Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			_															
9.3.10 % Time (days) within SABS 241 standards per year 0 0 0 Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0% 0% 0% 0%																		
Sub Topic 9.3 Compliancy & Needs Development Plans Assessment 0% 0%				l														
	Sub Tonic 9.3 Compliancy & Needs Development Plans Assessment														0%			0%
	General Comments																	











MUNICIPALITY 2012

Topic 10: Financial Profile

10.1 Capital Funds

	10.1 Capital Lulius									
					Trading Se	ervices				
		Housing	Environmental Protection	Waste Management (solid waste)	Waste water management	Road transport	Water	Electricity	Other Trading Services	Grand Total
10.1.1 Income		RM	RM	RM	RM	RM	RM	RM	RM	RM
10.1.1.1	Subsidies From:									
10.1.1.2	National Government									
10.1.1.3	Provincial Government									
10.1.1.4	Local Government									
10.1.1.5	Other									
10.1.1.6	Grants (including the equitable share) from:									
10.1.1.7	National Government									
10.1.1.8	Provincial Government									
10.1.1.9	Local Government									
10.1.1.10	Other									
10.1.1.11	Spent conditional grants									
10.1.1.12	Metering & Billing Income									
10.1.1.13	Other Income									
10.1.1.14	Deficit									
	Total Income	0	0	0	0	0	0	0	0	0
0	·	·	· · · · · · · · · · · · · · · · · · ·	·	·	·	·			

Comments



TOKOLOGO LOCAL MUNICIPALITY													WSDI	P 2012			
Topic 10: Financial Profile																	_\
Enabling Factors				C	ompliance							Needs	Develo	pment l	Plan		
				5	Status Quo						Future	plan (to a	address	issues)		Strate	gy
		Wa	ater			Sanii	ation		ASSESSMENT	ASSESSMENT In place?	Si Me	hort (1) dium (3) ong (5) None		Higher Level Growth & Growth & Development	ASSESSMENT	In place? Sufficient	ASSESSMENT
Quality: Information Accuracy Assessment		4	D.	1	- 11-	l							*	* *			
Quantity: Assessment of Information Completeness	U	rban	RI	ural	Ur	ban	K	ural			1 3	3 5 N					
·	Value Spend	% of Allocation	Value Spend	% of Allocation	Value Spend	% of Allocation	Value Spend	% of Allocation	%	%		Y/N/N	Α		%	Y/N	%
* 10.1.2 Capital Expenditure % Allo	cation spend in	last financia	l year														
	Values to be	given in R millio	on								<u> </u>						
Regional Bulk									0	0			\top		0		0
Internal Bulk									0	0					0		0
Reticulation									0	0					0		0
Backlog Eradication									0	0					0		0
Total cost									0	0					0		0
Sub Topic 10.1 Compliancy & Needs Development Plans Assessment		•		•	•	*	•	*	0%	0%		*			0%		0%
10.2 Operation & Maintenance Budget																	

	WATER		
	ITEM	В	UDGET
		(R	million)
	Sales, other	R	0.42
Income:	Grants, subsidies, and other	R	2.87
	Other income	R	0.00
	Total Income	R	3.30
	Employee related cost (salaries, allowances, bonuses, medical, pension etc.)	R	0.65
	Bulk water purchases	R	0.28
	General expenditure	R	1.64
Expenditure:	Municipal rates and services	R	-
	Operation and Maintenance cost	R	-
	Depreciation and financial cost	R	-
	Total Expenditure	R	2.57
	Surplus/Deficit	R	0.73

	SANITATION									
	ITEM		BUDGET							
			(R million)							
	Sales, other	R	0.83							
Income:	Grants, subsidies, and other	R	4.02							
	Other income	R	=							
	Total Income	R	4.85							
	Employee related cost (salaries, allowances, bonuses, medical, pension etc.)	R	2.67							
	Bulk waste water charges (external waste water treatment)	R	-							
	General expenditure	R	1.36							
Expenditure:	Municipal rates and services	R	-							
	Operation and Maintenance cost	R	-							
	Depreciation and financial cost	R	-							
	Total Expenditure	R	4.02							
	Surplus/Deficit	R	0.83							

Sub Topic 10.2 Assessment of the Existance and Status of a Proper Budget Comments

Add scores for Water and Sanitation Budget 40% 40%

TOKOLOGO LOCAL MUNICIPALITY														,	<u>wsr</u>	DP 2	012			
2															Tq	opic	10: F	inan	cial I	Profile
Enabling Factors					С	ompliar	ice							Needs D	eve	lopn	nent	Plan		
					,	Status Qu	ıo							Future plan (to ad	dres	s issi	ues)		Stra	tegy
						Volume	Charges							Time Frame	Suff	ficien	t for			
	Fixed	I Tariff				Volume	Charges										ent			
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	Current	Previous		1							SSI	SSI	드			Higher Level	ج چ	ASSESSMENT	⊆ ā	ASSESSMENT
Ovelitar Information Assumes Assument			Current	Previous	Current	Previous	Current	Drovious	Current	Provious	⋖	⋖		None			Growth	⋖		<
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10.3 Tariff & Charges			& Charg								60	60	Y					60		0
10.3.1 Residential	values	to be giv	1	1	1					0.45	-00	0.0								
Water Communal Water Supply		1	2.12	0	2.12	2	2.22	2.1	2.6	2.45					\vdash			60	_	0
Controlled Volume Supply															ш			60		0
Uncontrolled Volume Supply															ш			60		0
Sanitation On site dry															\perp			60		0
On site wet (conservancy tanks etc.)															\perp			60		0
Water borne reticulated sanitation	49.25	46.5									60	60	Υ					60		0
Enabling Factors					С	ompliar	ice							Needs D	eve	lopn	nent	Plan		
						Status Qu	JO OI							Future plan (to ad	dress	s issu	ies)		Stra	tegy
														Time Frame		ficien				
						Volume	Charges						-							
	Fixed	I Tariff									L	=					- June	╘		<u></u>
				inition 1 KI		inition 2 KI					MEN		6.5	Short (1)		eve	elop		e;	
			per monti	h from: 0 o 6		h from: 6 50					SSI	SS	plac	Medium (3)	RDP	Higher Level	Development	ASSESSMENT	In place?	ASSESSMENT
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											Ä	¥		None		_	Growth &	ă		¥
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Quantity: Assessment of Information Completeness	2011	2010													*	*	*			
Quantity. Assessment of information Completeness						I / NA					%	%		Y/N/NA				%	Y/N	%
10.3.2 Industrial	Values	to be giv	en in R /	kl for C	urrent ar	nd Previo	ous Finar	ncial Yea	rs						ببب					
Water Industrial																		60		0
Sanitation Industrial											60	60	Υ					60		0
Comment																				

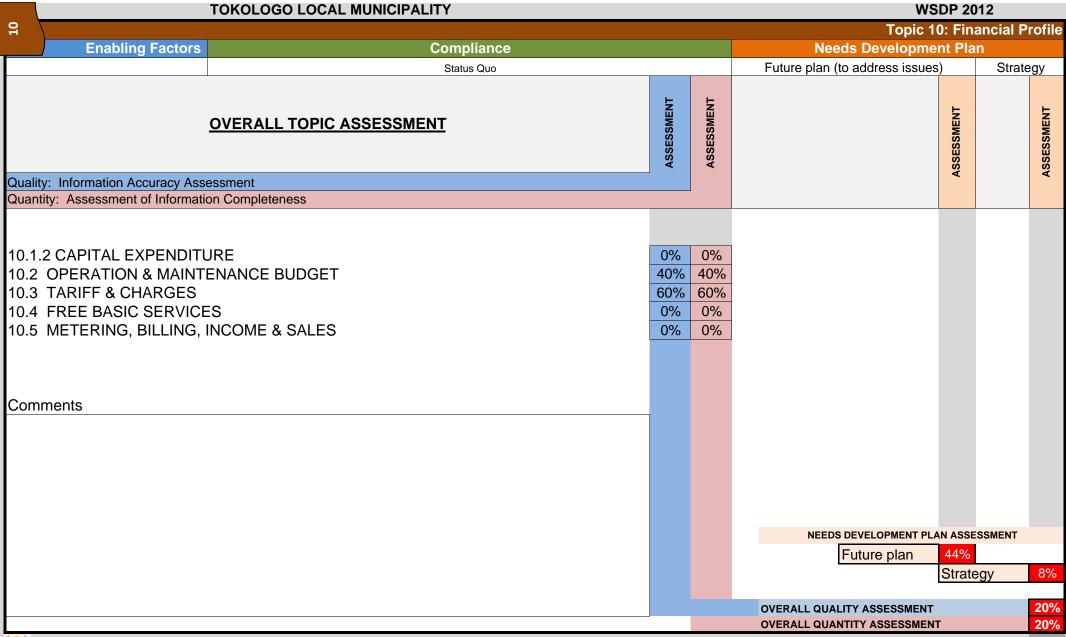


TOKOLOGO LOCAL MUNICIPALITY																WSD	P 201	12			
Topic 10: Financial Profile																					10
Enabling Factors					C	omplian	се								Needs D	Devel	opme	ent l	Plan		
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			per monti	inition 1 KI		inition 2 KI h from: 6		inition 3 KI from: 50	per month		SMENT	Ä	;e;	She	ort (1)		eve	Development		ent	É
				6		50		70		9999	SS	SS	In place?		ium (3)	RDP	J er L	De	SS	In place? Sufficient	SS
	Current	Previous		1							ASSES	ASSESSMENT	⊆		ng (5)		Higher Level	ج ه	ASSESSMENT	⊆ S	ASSESSMENT
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10.3.3 Commercial	values	to be giv		1				ncial Yea		0.05	00	00	\ /			4	_	4	00		
Water Commercial	04.00	77.05	2.15	0	2.79	2.63	2.91	2.75	3.44	3.25	60	60 60	Y			+			60		0
Sanitation Commercial	81.99	77.35				Status Qu	10				60	60	Y	Euturo	plan (to a	drocc	iccuo		50	Strate	0
						status Qu	10								Frame		cient f			Strate	ЭУ
						Volume	Charges						-	111110	Tanie	Sum					
	Fixed	d Tariff									F	_						me	_		L -
				inition 1 KI		inition 2 KI		inition 3 KI			Ä	Ē	6- -	She	ort (1)		eve	Development	Ž I	e?	Ä
			per monti	n from: 0 o 6	per monti	n from: 6 50		n from: 50 70	per month	from: 70 19999	SSIV	SSI	In place?		ium (3)	RDP	erL	Dev	SSI	In place?	SSI
	Current	Current Previous									ASSES	ASSESSMENT	=		ng (5)	"	두	∞ర	ASSESSMENT	Suf	ASSESSMENT
											¥	¥		N	lone		_ 1	Growth	¥		¥
Quality: Information Accuracy Assessment	Year	Year	Current	Previous	Current	Previous	Current	Previous	Current	Previous	s							<u>5</u>			
Quantity: Assessment of Information Completeness	2011	2010												1 3	3 5 N	*	*	*			
<u> </u>						I / NA					%	%			Y/N/NA			_	%	Y/N	%
10.3.4 Other	Values	to be giv	en in R /		urrent an		us Fina	ncial Yea	ars												
Nater 2				0		2.63		2.75		3.25	60		Y		+-+				60	-	0
Sanitation											60	60	Y			+			60		0
Sub Topic 10.3 Compliancy & Needs Development Plans Assessment											60%	60%						a	60%		0%
10.4 Free Basic Services	Is there	a Free E	Rasic Ser	vices Pr	olicy in P	lace (Y	/ N)·				00 /8	0078							0 76		0 /8
10.4.1 Subsidy Targeting Approach		IH Targeted			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Targeted: \$	Sanitation													
Rising block tariff											0	0	Υ		$\overline{}$	т	$\overline{}$		60		0
Service level targeting											0	0	Υ		+ + -			-	60	+ 1	0
Credits to Water account											0	0	Υ		1				60		0
Credits to Sanitation account											0	0	Υ						60		0
Number of units requiring free basic services (Water)											0	0	Υ					7	60		0
Number of units requiring free basic services (Sanitation)											0	0	Υ					1	60		0
Number of units with access to free basic services											0	0	Υ					ſ	60		0
Sub Topic 10.4 Compliancy & Needs Development Plans Assessment											0%	0%						6	60%		0%
Comment																					
All Tariffs are inclusive of VAT. FBW applies to indig	gents only.	Tokologo	has 5 blo	ock tariffs	S.																









SALGA

TOKOLOGO LOCAL MUNICIPALITY															WSDF	P 201	2 /	
Topic 11: Water Services Institutional Arrangements Profile																		11
Enabling Factors				Co	mpli	ianc	e					Nee	ds De	evelo	pment	t Plan		
WSA functions and outputs					tatus							plan (t	o add	ress i	ssues)			ategy
						_				Ti	me F	rame	Sı	ufficie	nt for			
Resources available to perform function? (Yes: Y, No: N, Not Applicable: NA):		Policy in Place	Budget	Personnel	Gazetted	Council approved	ASSESSMENT	ASSESSMENT	In place?	Ν	Short lediur Long Nor	n (3) (5)	RDP	Higher Level	Growth & Development	ASSESSMENT	In place?	ASSESSMENT
Quality: Information Accuracy Assessment					'					1	3	5 N	1 *	*	*			
Quantity: Assessment of Information Completeness			Υ/	N/N	IA.		%	%				Y/N/	/ NA			%	Y/N	%
11.1 General Functions																		
* 11.1.1 Policy development																		
* Indigent Policy		у				у	60	60	у	у	у	у	у	у	У	60		0
* Free basic water policy (including equitable share)		у				у	60	60	у	у	У	у	у	у	у	60		0
* Free basic sanitation policy		у				у	60	60	у	у	у	у	у	у	у	60		0
* Procurement policy		у				у	60	60	у	у	у	у	у	у	у	60		0
* Credit control & debt collection policy		у	у	у		у	60	60	у	у	у	у	у	у	у	60		0
* 11.1.2 Regulation and tariffs	<u> </u>	·	·				60%	60%								60%		0%
* Water Services bylaws with conditions as required by the Water Services Act							0	0								0		0
* Mechanisms to ensure compliance with bylaws							0	0								0		0
* Tariff structure		у				у	60	60	у	у	у	у	у	у	у	60		0
* Tariffs promulgated		у	у	у		у	60	60	у	у	У	у	у	у	у	60		0
11.1.3 Infrastructure development (projects)							30%	30%								30%		0%
Mechanisms to undertake project / feasibility studies			n/r	n/r			0	0								0		0
Criteria for prioritising projects		у				у	60	60	у	у	у	у	у	у	у	60		0
Mechanisms to assess and approve project business plans		у	у	у			60	60	у	у	у	у	у	у	у	60		0
Mechanisms for selecting, contracting, managing and monitoring implementing agents		у	у	у		у	60	60	у	у	у	у	у	у	у	60		0
Mechanisms to monitor project implementation			у	у	<u> </u>		60	60	у	у	у	у	у	у	у	60		0
11.1.4 Performance management and monitoring							48%	48%								48%		0%
Performance management systems							0	0								0		0
Water service monitoring and evaluation (M&E) system							0	0								0		0
11.1.5 WSDP							0%	0%						-		0%		0%
WSDP information system Yes: y No:							40	40								0		0
Mechanisms to monitor and report on WSDP implementation Yes: y No:							40	40								0		0
Mechanisms for stakeholder participation Yes: y No:							40	40								0		0
							40%	40%		_						0%		0%



Topic 11: Water Services Institutional Arrangements Profile

11.2 Bulk & Retail Functions

Water Services Providers	* Name of Provider	* Contract type	Staffing Levels Appropriate	* % Consumers served by the WSP
11.2.1 Water Service providers (retail water)	Tokologo	Service	n	100%
11.2.2 Water service providers (sanitation)				
11.2.3 Water service providers (bulk water)				
11.2.4 Water service providers (bulk sanitation)				
1.2.5 Support service agents (water)				
1.2.6 Sanitation Promotion agent				
1.2.7 Support service contracts				
11.2.8 Water service institutions				
11.2.9 WSP staffing levels: water				
11.2.10 WSP staffing levels: sanitation				
11.2.11 WSP training programme				
Sub Topic 11.2 Compliancy & Needs Development Plans Assessment		0% 09	%	0%

Comments

11.1.1 POLICY DEVELOPMENT

11.1.2 REGULATION AND TARIFFS

11.1.3 INFRASTRUCTURE DEVELOPMENT (PROJECTS)

11.1.4 PERFORMANCE MANAGEMENT AND MONITORING 0%

11.1.5 WSDP

11.2 BULK AND RETAIL FUNCTIONS

NEEDS DEVELOPMENT PLAN ASSESSMENT

Future plan

60% 60%

30% 30%

48% 48%

0%

0% 40% 40%

0%

Strategy

0%



TOKOLOGO LOCAL MUNICIPALITY **WSDP 2012** Topic 12: Social & Customer Service Requirements **Enabling Factors** Compliancy **Needs Development Plan** Status Quo Future plan (to address issues) Strategy Time Frame Sufficient for Growth & Development Urban Households Rural Households ASSESSMENT ASSESSMENT Resources available to perform function? Higher Level (Yes: Y, No: N, Not Applicable: NA): Short (1) RDP Medium (3) Long (5) None Personnel Budget Budget Quality: Information Accuracy Assessment 3 5 Ν Y/N Y/N % % % Quantity: Assessment of Information Completeness % 12.1 Resources available to Perform this Function: Water & Sanitation Y/N 12.1.1 Attending to Complaints for Water 0 0 12.1.2 Attending to Complaints for Sanitation 0 0 0 0 0 0 0 0 12.1.3 Attending to Complaints for Pit/Tank Pumping Sub Topic 12.1 Compliancy & Needs Development Plans Assessment 0% 0% 0% 12.2 Attending to Complaints for Water **Number Of:** 12.2.1 Total number of consumer units 0 0 0 0 0 12.2.2 Number of gueries/complaints received within the year 0 0 0 0 0 * 12.2.3 % Queries responded to within 24 hours 0 0 0 12.2.4 Number of major or visible leaks reported within the year 0 0 0 0 0 0 0 12.2.5 % Major or visible leaks repaired within 48 hours after being reported * 12.2.6 Number of consumers experiencing greater than 7 days interruption in supply per 0 O 0 vear 0 0 0 0 12.2.7 Number of consumers receiving flow rate of less than 10 litres per minute Sub Topic 12.2 Compliancy & Needs Development Plans Assessment 0% 0% 0% 12.3 Attending to Complaints for Sanitation: Discharge to Treatment Works **Number Of:** 0 12.3.1 Total number of consumer units 0 0 0 0 12.3.2 Number of gueries/complaints received within the year 0 0 0 0 * 12.3.3 % Queries responded to within 24 hours 0 0 0 0 12.3.4 Number of blockages reported within the year 0 0 0 0 12.3.5 % Blockages repaired within 48 hours after being reported 0 0 0 * 12.3.6 Number of consumers experiencing greater than 7 days interruption in 0 0 supply per year 12.3.7 Sanitation promotion and health and hygiene awareness 0 0 0 0 Sub Topic 12.3 Compliancy & Needs Development Plans Assessment 0% 0% 0% 0% 12.4 Attending to Complaints for Sanitation: Pit/Tank Pumping Number Of: 0 12.4.1 Number of pits/ tanks 0 0 0 0 0 12.4.2 Number of calls received within the year for emptying 0 0 0 0 12.4.3 Number of calls received within the year for emergency maintenance to pits/ tanks 12.4.4 % Queries responded to within 24 hours 0 0 0 0 12.4.5 % Pits/tanks pumped within 48 hours of being reported 0 0 0 0 Sub Topic 12.4 Compliancy & Needs Development Plans Assessment 0%





TOKOLOGO LOCAL MUNICIPALITY WSDP 2012

Topic 13: Needs Development Plan

LIST OF PROJECTS

39*A*

Description Program type Wards					
<u> </u>		Autonumber			
		Water Internal Bulk			
		Water Regional Bulk			
Project Name	Project Number	Water Reticulation	Wards Location of Project	Wards Benefit	
r roject Name	r roject Number	Water Treatment Works	Warus Location of Project	Walus Bellent	
		Sanitation Services			
		Housing			
ACTIVE PROJECTS : MIG2011/2012 ; RBIG ; ACIP					
·	MIG/FS0754/S/09/11	Internal Sanitation			
Hertzogville/Malebogo: Installation of 322 VIP toilets		Internal Sanitation			
Herzogville drilling and Developing of Boreholes	Temp_Actpl_00039	Water Internal Bulk			
Dealesville drilling and Developing of Boreholes	Temp_Actpl_00040	Water Internal Bulk			
Boshof drilling and Developing of Boreholes	Temp_Actpl_00043	Water Internal Bulk	44000004		
Tokologo Regional Water Supply Phase 1	FSR008	Water Regional Bulk	41802001		
Tokologo Regional Water Supply Feasibility Phase 2		Water Regional Bulk	41802003;41802004		
Hertzogville:Water ret Phase 2 (Rep of ex Asbestos I		Water Reticulation			
Boshof/Seretse: Installation of 3000 water meters	MIG/FS0374/W/09/09	Water Reticulation			
Dealesville/Tswaraganang: Inst of 2000 water meters		Water Reticulation			
Dealesville:Water Ret - Rep of ex asbestos pipeln	MIG/FS0706/W/08/10	Water Reticulation			
Boshoff/Seretse: Upgrading of water network for 250		Water Reticulation			
CONCEPTUAL & AWAITING FUNDING PROJECTS					
Boshof/Seretse: Eradication of 1446 buckets	MIG/FS0563/S/07/07	Internal Sanitation			
Tokologo Municipality:San Internal Bulk Ref (group e		Sanitation Bulk			
Dealesville/Tshwaraganang:Ugrading of Sewer Oxida		Sanitation Bulk			
	fs_tempb_015	Water Internal Bulk	41802002		
Tokologo Municipality - Water Internal Bulk Ref (grou		Water Internal Bulk			
Retention(Rehabilitation of reservoirs Boshof)	MIG/FS0712/W/08/10	Water Internal Bulk			
Boshoff:Rehab of reservoirs & Inst of Water Lines	fs_temp_0283	Water Internal Bulk			
Hertzogville: Regional Bulk water supply - Phase 1	MIG/FS0518/W/09/12	Water Regional Bulk			
Hertzogville / Malebogo: Upgrading of water network		Water Reticulation			
Retention(Upgrading of water network Hertzogville)	MIG/FS0704/W/08/10	Water Reticulation			
Water Connection of 250 Househoulds Boshof	Temp_Actpl_00037	Water Reticulation			
Water Connection of 250 Househoulds Dealesville	Temp_Actpl_00038	Water Reticulation			
Installation of Water Network Dealesville Phase2	Temp_Actpl_00041	Water Reticulation			
Water Network Boshof Phase 2	Temp_Actpl_00042	Water Reticulation			
Hetzogville, Dealsville, Boshof: Instal of water meters	Temp_MTASret_00059	Water Reticulation			





Topic 13: Needs Develor 39A n

LIST OF PROJECTS

		Total All	ocation		2.01 01 11(002010
Tot1112	Tot1213	Tot1314	Tot1415	Tot1516	Tot1617
0		0	0		
3288956.69		0	0		
0		0	0		
0	2500000 3500000	0	0		
47350265		4000000	45000000		
0		0	4300000		
6823140	0	0	0		
0		0	0		
0	0	0	0		
0		0	0		
1500000		0	0		
0		0	0		
4234800	4234800	4234800	4234800		
1725685.7	0	0	0		
0		0	0		
0		0	0		
0		0	0		
0		0	0		
0		0	0		
0		0	0		
0		0	0		
2500000	0	0	0		
2500000		0	0		
0	3000000 5000000	0	0		
0	10400000	0	0		
U	10400000	U	0		





LIST OF PROJECTS

Description		Program type	Wards Locat	ion of Project
Project Name	Project Number	Autonumber Water Internal Bulk Water Regional Bulk Water Reticulation Water Treatment Works Sanitation Services Housing	Wards Location of Project	Wards Benefit



Topic 13: Needs Develop 39B 1

LIST OF PROJECTS

		Total Al	location		
Tot1112	Tot1213	Tot1314	Tot1415	Tot1516	Tot1617
4-4					





Topic 14: Reporting

TOKOLOGO LOCAL MUNICIPALITY

Reporting and assessment documents status

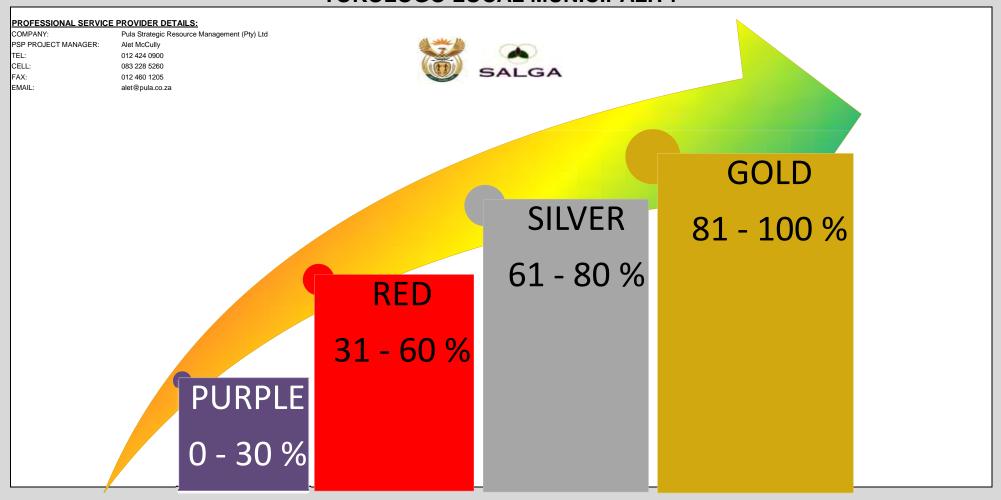
	Documents	Previous Reference date	Included in current WSDP version module 4	Current WSDP version module 4 submission date
1	IDP checklist framework version 2.4:	Completed		
2	DWA Regulatory Performance Management System (RPMS)	Completed		
3	WSA Checklist April2005	Not existing		
4	Blue Drop 2011 Assessment	Completed & Submitted		
5	Green Drop 2011 Assessment	Completed & Submitted		
6	Water Conservation & Demand Management	Needs review		
		Options	Options	
		In process	Not included	
		Not existing	Included (not complete)	
		Completed	Included (complete)	
		Completed & Submitted		
		Needs review		
Gen	neral Comments	Completed		



WSDP Status Quo Knowledge Interpretation Report

Overall Water Services Planning Status Bar Legend

TOKOLOGO LOCAL MUNICIPALITY



TOKOLOGO LOCAL MUNICIPALITY

WSDP 2012

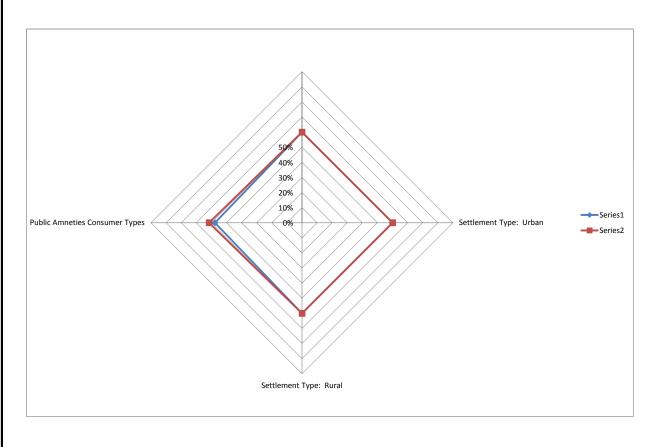
WSDP Status Quo Knowledge Interpretation Report: Demographics Profile (Topic 2)

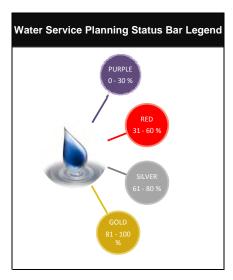
Settlement Type: Farming Settlement Type: Urban Settlement Type: Rural

Public Amneties Consumer Types

Assessment		
Quality Quantity		
SERIES 1	SERIES 2	
60%	60%	
60%	60%	
60%	60%	
58%	62%	

59%	60%





Service Levels Profile Average Total

60%





TOKOLOGO LOCAL MUNICIPALITY	WSDP 2012
WSDP Status Quo Knowledge Interpretation Report: Demographics Profile (Topic 2)	
Topic 2 - WSDP Strategic Interpretation Report	
Strategic Interpretation, Implications and Solutions Derived from Spider Diagram	
Settlement Type: FARMING	
Interpret Situation Assessment:	
Strategy:	
List Possible Projects:	
Settlement Type: URBAN	
Settlement Type: URBAN Vegestation Vegesta	
Define Strategy:	
List Possible Projects:	
Settlement Type: RURAL	
Settlement Type: RURAL Stringion of the property of the proper	
Define Strategy:	
List Possible Projects:	
Public Amneties Consumer Types	
Situation Assessment Situation	
Define Strategy:	
Projects:	

TOKOLOGO LOCAL MUNICIPALITY WSDP 2012

WSDP Status Quo Knowledge Interpretation Report: Service Levels Profile (Topic 3)

3.1 SETTLEMENT WATER SERVICE LEVEL DEFINITIONS - CATEGORY 10 - NO SERVICES (FORMAL)

CATEGORY 7 - INFRASTRUCTURE UPGRADE, EXTENSION & REFURBISHMENT

CATEGORY 6 - O&M NEED

CATEGORY 4 - NO SERVICES (INFORMAL)

3.1 SETTLEMENT SANITATION SERVICE LEVEL DEFINITIONS - CATEGORY 10 - NO SERVICES (FORMAL)

CATEGORY 7 - INFRASTRUCTURE UPGRADE, EXTENSION & REFURBISHMENT

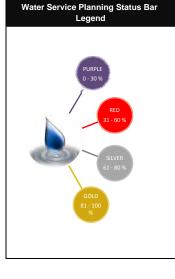
CATEGORY 6 - O&M NEED

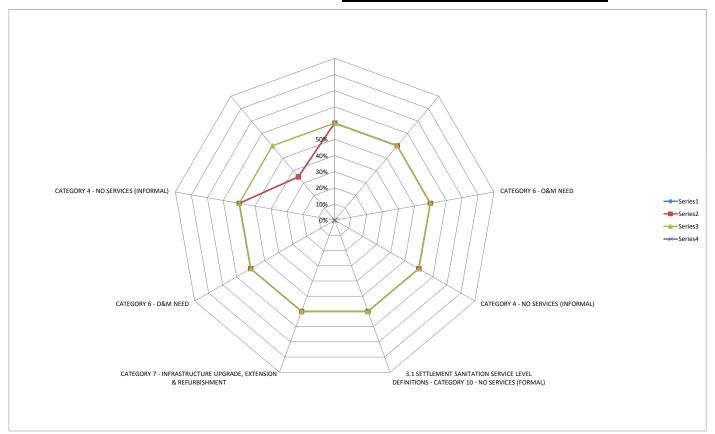
CATEGORY 4 - NO SERVICES (INFORMAL)

3.3 RESIDENTIAL, PUBLIC INSTITUTIONS AND INDUSTRIES

Assessment		Future Plan	Strategy Assessment
Quality	Quality Quantity		
SERIES 1	SERIES 2	SERIES 3	SERIES 4
60%	60%	60%	0%
60%	60%	60%	0%
60%	60%	60%	0%
60%	60%	60%	0%
60%	60%	60%	0%
60%	60%	60%	0%
60%	60%	60%	0%
60%	60%	60%	0%
35%	35%	60%	0%

57%	57%	60%	0%





Service Levels Profile Average Total 44%



We	DD Ct-tu- Ou	TOKOLOGO LOCAL MUNICIPALITY WS	DP 2012		
	VSDP Status Quo Knowledge Interpretation Report: Service Levels Profile (Topic 3)				
To	Topic 3 - WSDP Strategic Interpretation Report				
٠.					
)Sti	rategic inte	terpretation, Implications and Solutions Derived from Spider Diagram			
3.1	SETTLEMEN	NT WATER SERVICE LEVEL DEFINITIONS: WATER FORMAL			
	et nent:				
l	Interpret Situation Assessment				
	Sit				
l	Define Strategy:				
	o ₽				
	e isi		***************************************		
	List Possible Projects:				
3.2	SETTLEMEN	NT WATER SERVICE LEVEL DEFINITIONS: WATER INFORMAL			
l	= #				
	ation				
	Interpret Situation Assessment:				
			······································		
	: Strategy:				
	Stra				
	Define				
	List Possible Projects:				
l	Possi				
	Pro Pro				
l					
3.2	SETTLEMEN	NT SANITATION SERVICE LEVEL DEFINITIONS: SANITATION FORMAL			
l					
l	pret				
l	Interpret Situation Assessment:				
	₹				
	egy:				
	Define Strategy:				
	ine :				
	Ded				
l	e				
l	oss it ects				
l	List Possible Projects:				
l					
3.2		T SANITATION SERVICE LEVEL DEFINITIONS: SANITATION INFORMAL			
	Interpret Situation Assessment				
	Situa				
1	Define Strategy:				
l	Defi				
1					
1	t ible cts:				
1	List Possible Projects:				
2 2		L, PUBLIC INSTITUTIONS AND INDUSTRIES			
3.3	T E	L. I DECEMBER AND INCOMENDED			
l	ation				
l	Interpret Situation Assessment:				
1					
1	fine				
	Define Strategy:				
1					
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	List Possible Projects:				
800					

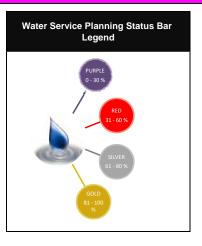
TOKOLOGO LOCAL MUNICIPALITY

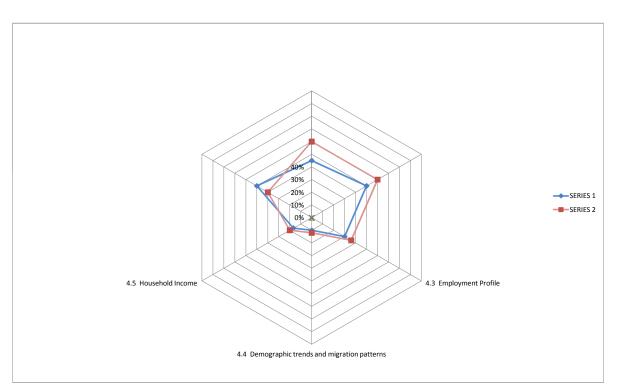
WSDP 2012

- 4.1 General 4.2 Age and Gender Profile
- 4.3 Employment Profile
- 4.4 Demographic trends and migration patterns
- 4.5 Household Income
- 4.6 Economics

Assessment			
Quality	Quantity		
SERIES 1	SERIES 2		
45%	60%		
50%	60%		
30%	36%		
10%	12%		
17%	20%		
50%	40%		

34%	38%





Water Services Infrastructure Average Total

OKOLOGO LOCAL MUNICIPALITY WSDP 2012 WSDP Status Que Knowledge Interpretation Report: Economic Background (Total		
	WSDP Status Quo Knowledge Interpretation Report: Economic Background (Topic 4)	
Topic 4 - WSDP Strategic Interpretation Report		
Strategic Interpretation, Implications and Solutions Derived from Spider Diagram		
4.1 General		
Struction of the season of the		
S S S S S S S S S S S S S S S S S S S		
Define Strategy:		

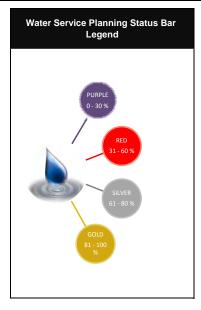
El Li Prosebie Projects:		
4.2 Age and Gender Profile		
Ne pret Situation Assessment		
200		
9.0		
Strategy:		
tel le l		
4.3 Employment Profile		
	the state of the s	
Skutation of the season of the		
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Strategy		
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til Desselve Projects:		
4.4 Demographic trends and migration patterns		
Stration of the season of the		
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Strategy:		
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till Projects:		
5.5 Household Income		
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Strategy:		
El Li Prosebie Projects:		
4.6 Economics The data and the		
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Define Strategy:		
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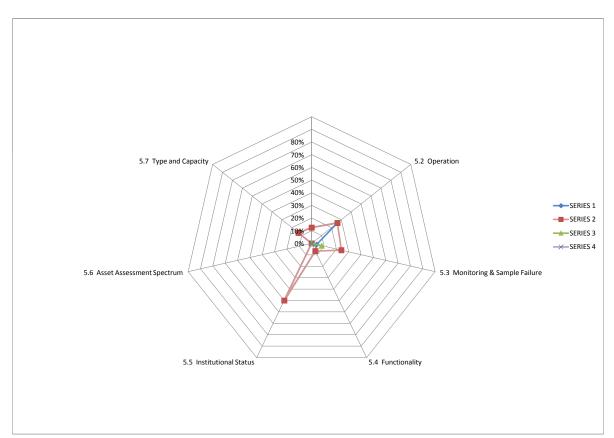
WSDP Status Quo Knowledge Interpretation Report: Water Services Infrastructure Profile (Topic 5)

- 5.1 General Information
- 5.2 Operation
- 5.3 Monitoring & Sample Failure
- 5.4 Functionality
- 5.5 Institutional Status
- 5.6 Asset Assessment Spectrum
- 5.7 Type and Capacity

Assessment		Future Plan Assessment	Strategy Assessment	
Quality	Quantity	Accessinent	Acception	
SERIES 1	SERIES 2	SERIES 3	SERIES 4	
13%	13%	0%	0%	
26%	26%	0%	0%	
4%	24%	8%	0%	
7%	7%	0%	0%	
50%	50%	0%	0%	
0%	0%	0%	0%	
13%	13%	0%	0%	

16%	19%	1%	0%





TORC	UDDU DUAL MUNICIPALITY WSDP Status Quo Knowledge Interpretation Report: Water Services Infrastructure Profile (Control of the Control of the							
Торі	opic 5 - WSDP Strategic Interpretation Report							
	rategic Interpretation, Implications and Solutions Derived from Spider Diagram							
5.1 G	nerel Information: The Committee Comm							
	Strategy: As Strategy As a str							
	Possible Pos							
5.2 C	eration:							
	To the state of th							
	Duke Standblur () Carachy ()							
	Possible Projects:							
5.3 N	noting & Sample Failure: The sample Failure: The sample Failure: The sample Failure: The sample Failure:							
	Define Strategy:							
	Projects:							
5.4 F	Incorporative.							
	nedionality:							
	On the Strategy:							
	Picylects:							
5.5 Ir	situtional Status:							
	Arase ssminent:							
	Doeine Stanegg:							
	Polsable Projecta:							
5.6 A	set Assessment Spectrum:							
	Assessment							
	Define Strategy:							
	Pospera:							
5.7 T	pe and Capacity:							
	Assessar Assessar							
	Openie Strangy,							
	Power of Street							

WSDP 2012

WSDP Status Quo Knowledge Interpretation Report: Operation & Maintenance (Topic 6)

6.1 OPERATION & MAINTENANCE PLAN

6.2.1 RESOURCES

6.2.2 INFORMATION

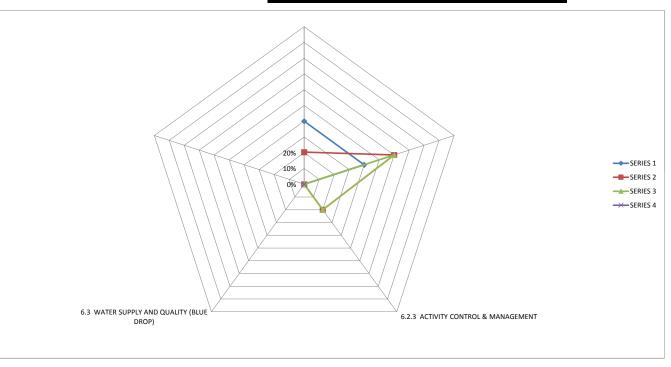
6.2.3 ACTIVITY CONTROL & MANAGEMENT

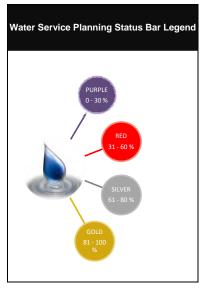
6.3 WATER SUPPLY AND QUALITY (BLUE DROP)

6.4 WASTE WATER SUPPLY AND QUALITY (GREEN DROP)

Asses	sment		
Quality			Strategy Assessment
SERIES 1	SERIES 2	SERIES 3	SERIES 4
0%	0%		
40%	40%	0%	0%
40%	40%	0%	0%
40%	40%	0%	0%
20%	60%	20%	0%
0%	60%	20%	0%

23% 40% 8% 0%









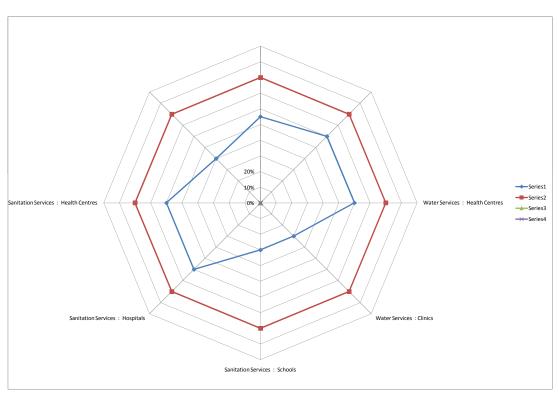
	WSDP Status Quo Knowledge Interpretation Report: Operation & Maintenance (Topic 6)						
Topic	6 - WSDI	P Strategic Interpretation Report					
Strate	Strategic Interpretation, Implications and Solutions Derived from Spider Diagram						
	1 OPERATION & MAINTENANCE PLAN						
	Interpret Situation Assessment						
	Define Strategy:						
	List Possible Der						
6.2.1 F	ESOURC	ES					
	Interpret Situation Assessment:						
	Define Strategy:						
	List Possible Projects:						
6.2.2 II	NFORMAT	TION					
	Interpret Situation Assessment						
	Define Strategy						
	List Possible Projects:						
6.2.3 A	Interpret Situation Assessment:	CONTROL & MANAGEMENT					
	Define Strategy:						
	List Possible Def Projects:						
6.3 WA		LY AND QUALITY (BLUE DROP)					
	Interpret Situation Assessment:						
	Define Strategy:						
	List Possible Projects:						
6.4 WA	STE WATE	R SUPPLY AND QUALITY (GREEN DROP)					
	Interpret Situation Assessment:						
	Define Strategy:						
	List Possible De Projects:						

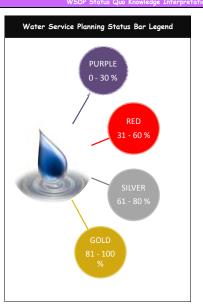
Water Services ; Schools
Water Services : Hospitals
Water Services : Health Centres
Water Services : Clinics
Sanitation Services : Schools
Sanitation Services : Hospitals
Sanitation Services : Health Centres

Sanitation Services : Clinics

Assessment		Future Plan	Strategy		
Quality	Quantity	Assessment	Assessment		
SERIES 1	SERIES 2	SERIES 3	SERIES 4		
55%	80%	0%	0%		
60%	80%	0%	0%		
60%	80%	0%	0%		
30%	80%	0%	0%		
30%	80%	0%	0%		
60%	80%	0%	0%		
60%	80%	0%	0%		
40%	80%	0%	0%		

49%	80%	0%	0%





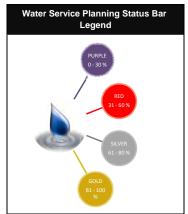
		TOKOLOGO LOCAL MUNICIPALITY	WSDP 2012	IDS Status Our Knowledge Interpretation	Paperty Associated Services (Tonic
		SDP Strategic Interpretation Report	w.	sur status uno knowledge interpretation	report: Associated Services (10pic
Stra Water	tegic Service	Interpretation, Implications and Solutions Derived from Spider Diagram s Schools			
	Stuation Accessment				
	Define Strategy.	S Shoots			
	List Possible Projects:		***************************************		***************************************
Water	r Service	- Hopplah			
	Interpret Situation Assessment			•	
	fine Strategy.				
	st Possible Projects:	1000 Control 10			
Water	Service	- Health Cottes			
	Interpret Shustion Assessment				
	ine Strategy:				
	8				
	List Possible Projects:				
Water	Service Stration Stration	c China			
	Strategy:				
	eds: Defin				
	Proj Proj				
Sanita	ation Se	view: Schools			
	Interpret				
	Define Strateg				
	List Possible Projects:				
Sanita	ation Se	viers: Hospitals			
	Stuation Accessmen				
	Define Strategy				
	List Possible Projects:	voes: Health Centres	***************************************		***************************************
Sanita	ation Se	ions: Health Centres			
	Interpret Stuation Assessment				
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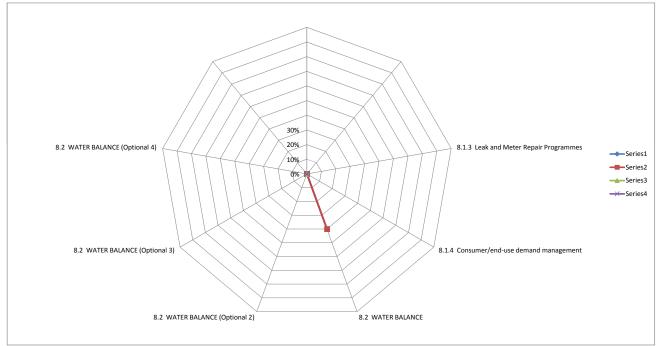
Conservation & Demand Management & Water Balance

- 8.1.1 Reducing unaccounted water and water inefficiencies
- 8.1.2 Reducing high pressures for residential consumers
- 8.1.3 Leak and Meter Repair Programmes
- 8.1.4 Consumer/end-use demand management
- 8.2 WATER BALANCE
- 8.2 WATER BALANCE (Optional 2)
- 8.2 WATER BALANCE (Optional 3)
- 8.2 WATER BALANCE (Optional 4)
- 8.2 WATER BALANCE (Optional 5)

Asses	sment	Future Plan	Strategy
Quality			Assessment
SERIES 1	SERIES 2	SERIES 3	SERIES 4
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0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
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4%	4%	0%	0%









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3 Leak and Meter Repair Programmes	
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WATER BALANCE (Optional 5):	

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Water Losses

- 8.3.1 Raw Water Bulk Loss
- 8.3.2 Treated Water Loss :Bulk
- 8.3.3 Treated Water Loss :Internal
- 8.3.4 Water Balance
- 8.3.1 Raw Water Bulk Loss (OPTION 2)
- 8.3.2 Treated Water Loss :Bulk
- 8.3.3 Treated Water Loss :Internal
- 8.3.4 Water Balance
- 8.3.1 Raw Water Bulk Loss (OPTION 3)
- 8.3.2 Treated Water Loss :Bulk
- 8.3.3 Treated Water Loss :Internal
- 8.3.4 Water Balance
- 8.3.1 Raw Water Bulk Loss (OPTION 4)
- 8.3.2 Treated Water Loss :Bulk
- 8.3.3 Treated Water Loss :Internal
- 8.3.4 Water Balance
- 8.3.1 Raw Water Bulk Loss (OPTION 5)
- 8.3.2 Treated Water Loss :Bulk
- 8.3.3 Treated Water Loss :Internal
- 8.3.4 Water Balance

Assessment		Future Plan	Strategy	
Quality	Quantity	Assessment	Assessment	
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40%	40%	0%	0%	
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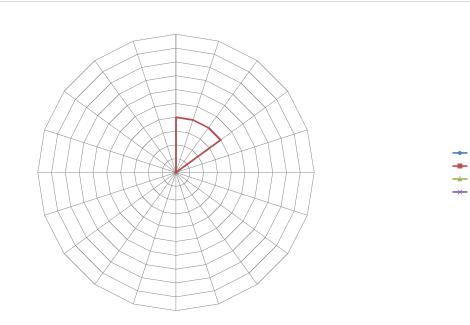
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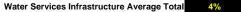
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Water Service Planning Status Bar

WSDP 2012



8%



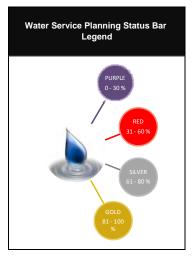
OKOLOGO LOCAL MUNICIPALITY	WSDP 2012					
VSDP Status Quo Knowledge Interpretation Report: Conservation & Demand Management (Topic 8)						
pic 8 - WSDP Strategic Interpretation Report						
Strategic Interpretation, Implications and Solutions Derived from Spider Diagram						
.3.1 Raw Water Bulk Loss	8.3.2 Treated Water Loss :Bulk					
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.3.3 Treated Water Loss :Internal	8.3.4 Water Balance					
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.3.3 Treated Water Loss :Internal	8.3.4 Water Balance					
.3.1 Raw Water Bulk Loss (OPTION 3)	8.3.2 Treated Water Loss :Bulk					
.3.1 Raw water bulk Loss (OPTION 3)	6.3.2 Hedieu Water Loss .buik					
.3.3 Treated Water Loss :Internal	8.3.4 Water Balance					
.3.1 Raw Water Bulk Loss (OPTION 4)	8.3.2 Treated Water Loss :Bulk					
.3.3 Treated Water Loss :Internal	8.3.4 Water Balance					
.3.1 Raw Water Bulk Loss (OPTION 5)	8.3.2 Treated Water Loss :Bulk					
.3.3 Treated Water Loss :Internal	8.3.4 Water Balance					

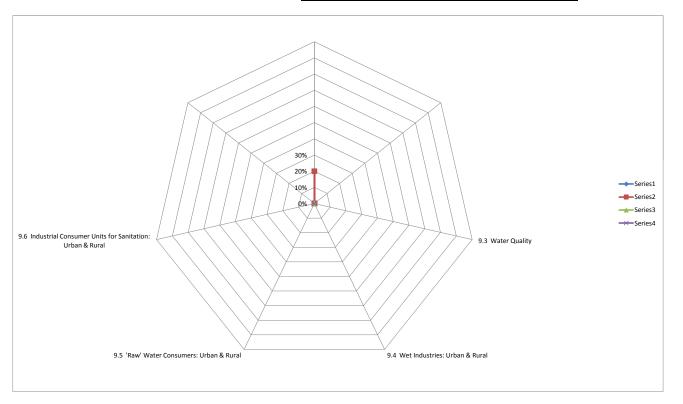
WSDP Status Quo Knowledge Interpretation Report: Water Resources (TOPIC 9)

- 9.1 Sources & Volumes
- 9.2 Monotoring
- 9.3 Water Quality
- 9.4 Wet Industries: Urban & Rural
- 9.5 'Raw' Water Consumers: Urban & Rural
- 9.6 Industrial Consumer Units for Sanitation: Urban & Rural
- 9.7 Industries and their permitted effluent releases

Asses	sment	nent		
Quality	Quantity	Future Plan Assessment	Strategy Assessment	
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3%	3%	0%	0%







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WSDP Status Quo Knowledge Interpretation Report: Financial Profile (Topic 10)

10.1.2 CAPITAL EXPENDITURE

10.2 OPERATION & MAINTENANCE BUDGET

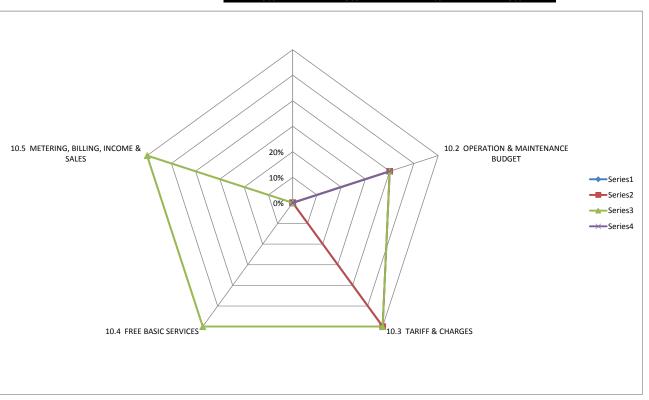
10.3 TARIFF & CHARGES

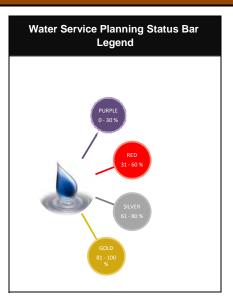
10.4 FREE BASIC SERVICES

10.5 METERING, BILLING, INCOME & SALES

Assessment		Future Plan	Strategy
Quality	Quantity	Assessment	Assessment
SERIES 1	SERIES 2	SERIES 3	SERIES 4
0%	0%	0%	0%
40%	40%	40%	40%
60%	60%	60%	0%
0%	0%	60%	0%
0%	0%	60%	0%

20%	20%	44%	8%







Webe	TOKOLOGO LOCAL MUNICIPALITY	WSDP 2012
WSDF	Status Quo Knowledge Interpretation Report: Financial Profile (Topic 10)	
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10.1.2	CAPITAL EXPENDITURE:	
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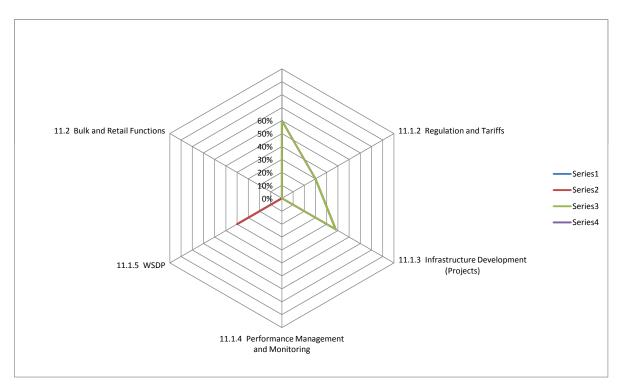
WSDP Status Quo Knowledge Interpretation Report: Water Services Institutional Arrangements Profile (Topic 11)

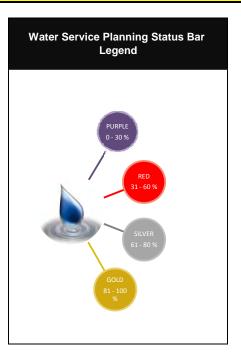
1	1	- 1	1	Policy	Development

- 11.1.2 Regulation and Tariffs
- 11.1.3 Infrastructure Development (Projects)
- 11.1.4 Performance Management and Monitoring
- 11.1.5 WSDP
- 11.2 Bulk and Retail Functions

Assessment		Future Blon	Strata
Quality	Quantity	Future Plan Assessment	Strategy Assessment
SERIES 1	SERIES 2	SERIES 3	SERIES 4
60%	60%	60%	0%
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48%	48%	48%	0%
0%	0%	0%	0%
40%	40%	0%	0%
0%	0%	0%	0%

30%	30%	23%	0%





		WSDF Status Vi	lo Knowledge Interpretation Report: Water Services Institution	onal Arrangements Profile (Topic 11)
Topic '	11 - WSD	WSDP Strategic Interpretation Report		
Strategic Interpretation, Implications and Solutions Derived from Spider Diagram				
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11.1.2 K	guiation and	tion and Tariffs		······
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	le Define Strategy:			
11.1.3 ln	List Possible Projects:	ucture Development (Projects)		
	끝			
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44.4.4 D	List Possible Projects:	Polod 8:		
11.1.4 P	erformance N	ance Management and Monitoring		
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11.1.5 W	SUP 22 I			
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WSDP Status Quo Knowledge Interpretation Report: Social & Customer Service Requirements (Topic 12)

12.1 RESOURCES AVAILABLE TO PERFORM THIS FUNTION

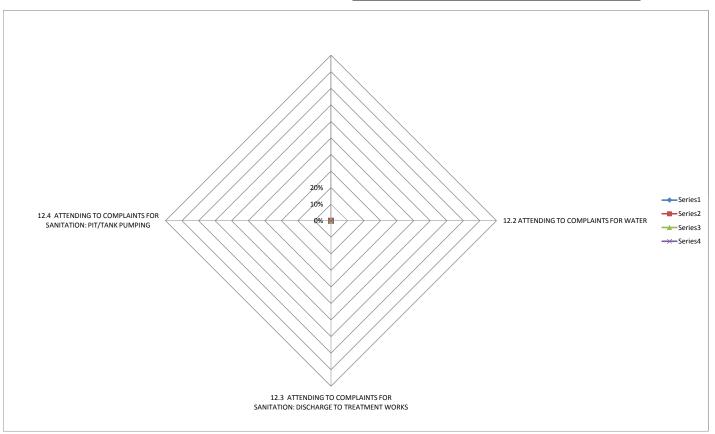
12.2 ATTENDING TO COMPLAINTS FOR WATER

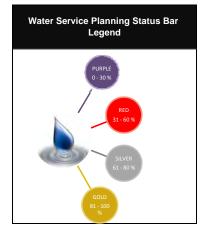
12.3 ATTENDING TO COMPLAINTS FOR SANITATION: DISCHARGE TO TREATMENT WORKS

12.4 ATTENDING TO COMPLAINTS FOR SANITATION: PIT/TANK PUMPING

Asses	sment	Future Plan	Strategy Assessment	
Quality	Quantity	Assessment		
SERIES 1	SERIES 2	SERIES 3	SERIES 4	
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TOKOLOGO LOCAL MUNICIPALITY WSDP Status Quo Knowledge Interpretation Report **TOTAL AVERAGES OF TOPICS** SERIES 2 SERIES 3 SERIES 4 Topic 2 - Demographics Profile Topic 2 - Demographics Profile Topic 3 - Service Levels Profile 57% 57% 0% 60% 90% Topic 4 - Socio Economics Background 34% 38% Topic 12 - Social & Customer Service Requirement Topic 3 - Service Levels Profile Topic 5 - Water Service Infrastructure Profile 16% 19% 0% 80% Topic 6 - Operation & Maintenance 23% 40% 8% 0% Topic 7 - Associated Services 49% 80% 0% 0% Topic 8 - Conservation & Demand Management 27% 27% 0% 0% Topic 9 - Water Resources 0% Topic 10 - Financial Profile 44% 20% 20% 8% 50% Topic 11 - Water Services Institutional Arrangements Profile 30% 30% 23% 0% Topic 11 - Water Services Institutional Arrangements Profile Topic 4 - Socio Economics Background 40% 0% 0% 0% Topic 12 - Social & Customer Service Requirements 30% 20% ----Series1 ----Series3 Topic 10 - Financial Profile Topic 5 - Water Service Infrastructure Profile Topic 9 - Water Resources Topic 6 - Operation & Maintenance Topic 8 - Conservation & Demand Management Water Services Infrastructure Average Total 18% **Overall Water Services Planning Status Bar Legend**

SILVER

61 - 80 %

GOLD

81 - 100

PURPLE

0 - 30 %

RED

31 - 60 %