WATER SYSTEM ASSESSM	ENT TRANSFER IN OBONGI DISTRICT
This file contains the asset register, com The worksheets include:	piled during the condition assessment of Luwakoke, Doma, Waka and Longa I.
Condition Assessment Luwakoke	Registry of Assets in Luwakoke scheme including condition of infrastructure and recommendations for upgrade
Condition Assessment Doma	Registry of Assets in Doma scheme including condition of infrastructure and recommendations for upgrade
Condition Assessment Waka	Registry of Assets in Waka scheme including condition of infrastructure and recommendations for upgrade
Condition Assessment Longa I	Registry of Assets in Longa I scheme including condition of infrastructure and recommendations for upgrade
Operational Assessment	Calculates Key Performance Indicators to assess system efficiency

ASSET REGISTER AND CONDITION ASSESSMENT OF WATER SCHEME COMPONENTS

NAME OF REFUGEE SETTLEMENT NAME OF WATER SCHEME

R SCHEME Lasvakoke in Zone III East

											03.10.2020								
ASSET TYPE	UNITS	SIZE	DESCRIPTION	LOCATION	GPS COORD.		STATUS	FIELD OBSERVATION	INSTALLATION DATE	Expected Useful Life	AGE	Remaining Useful Life	CONDITION RANKING (see table below for guidance)	PROBABILITY OF FAILURE (P)	CONSEQUENCE OF FAILURE (C)	CRITICALITY ASSESSMENT	RECOMMENDATION	ANNUAL MAINTENANCE REHABILITATI COST COST	RENEWAL / N REPLACEMENT COST
ASSELTTE	UNITS		(material, brand etc)		N	E	(Active; Not operational)		DATE	Life	AGE	Life	Good condition; Minor defects; Major defects; Requires upgrade; Asset failed	Unlikely; Likely; Almost Certain	Insignificant; Minor; Major	Low: medium: high	Do nothing, normal maintainance;	2031 2031	cosi
WATER SOURCE													Alan tanya	Certain	riation	Low, measure, right	renationate, replace		
Borehole DWD (insert No.)		69405																	
		9.6	uPVC																
Safe yield	m ¹ /hr	108	ui ve	Luwakoke village	Longitude: 31.57642397	Latitude: 3.410246	Active							Unlikely: the system is					
		100												fairly new, having been					
Borehole depth	m				341873	377054							Good condition	completed in 2019.	Major	High	Normal maintenance		
Casing diameter	mm	204																	
Static water level Dynamic water level	B B	22.5																	
Dynamic water weet	m	51.84																	
LA IN-UOWI														Unlikely: the system is					
														fairly new, having been			Normal maintenance-		
Pump									31/12/2019	10	0.75	9.25		completed in 2019.	Major	High	PPM; every quarter	10,907,600	
Flow rate	m ² /hr	11	SP11-33	Luwakoke village			Active	No observation since the pump is already installed											
	kW	7.5						ic stream incraised											
Pump installation depth	m	96																	
Bulk meter	mm	DN 50																	
Non Return Valve Wash-out	mm	DN 50 63																	
Air Valve	mm	63																	
Pressure gauge	Bar	25																	
Pump House	No.	1							31/12/2019	10	0.75	9.25	Minor defects	Unlikely: the system is	Major	Low	Normal maintenance		
														fairly new, having been			and repirs to the		
														completed in 2019.			cabling and civil works		
																	on the pump house.	243.0	000
ENERGY SOURCE																			
Solar Power																			
Solar panels N	io.; Angle of tilt	35; 19.5*	BLD Solar, 300W each	Luwakoke village			Active	The entire fenced area without structures is being used for	31/12/2019	10	0.75	9.25	Good condition	Unlikely	Minor (the system is a hybrid system with	Medium	Normal maintenance: cleaning of solar panels		
								farming by the scheme operators							a generator set as an		cleaning of solar panets		
								anning by the scianic operators							alternative)				
Thermal Power																			
Generator set	kVA	20	CGM				Active		31/12/2019	10	0.75	9.25	Good condition	Unlikely	Minor; the system is	Medium	Normal maintenance		
															a hybrid system, with solar enery as an				
															alternative				
Generator House #1	m ²	12	Length=4m, Width=3m						31/12/2019	30	0.75	29.25	Good condition	Unlikely	Insignificant	Low			
National Grid																1			
Transformer Electrical Installations	kVA		No Transformer																
Electrical Installations Electrical installations - control panels	RSI		Grundfos				Active		31/12/2019	10	0.75	9.25	Good condition	Unlikely	Major	High	Normal maintenance		
Locurear mountaines - control patiens			or unalities				active		31/12/2019	10		7.23	GOOD CONDITION						
CIVIL STRUCTURES																			
Guard Houses									31/12/2019	30	0.75	29.25	Good condition	Unlikely	Insignificant	Low	Do nothing		
Latrines WATER TREATMENT									31/12/2019	30	0.75	29.25	Good condition	Unlikely	Insignificant	Low	Do nothing		-
WATER TREATMENT Disinfection																			-
Chlorination Unit			N/A		1	1	1	1				1			1	1		1	2200
			N/A N/A														Install chloine doser		

STORAGE																			
Tank #1	m ³	108	Steel tank, 10m above the ground	Dongo Village	377053	344127	Active	There is some leakage as seen	31/12/2019	20	0.75	19.25	Minor repair to repair leaking	Likely	Major	High	Repair		
								from water drops					plates			•			
Bulk meter			No bulk meter																
TRANSMISSION			NO DOLE HASH																
Transmission line	km	2.69	HDPE 90mm, PN16	Lowakoke and Dongo			Active		31/12/2019	20	0.75	19.25	Good condition	Unlikely	Molor	Wish	Do nothing		
Gate Valve			No gate valve	LOWARDRY AND DUILED			ALLINE		31/11/1017	10	0.73	17.8.7	doda continuen	Chinkarty	PLANA		bo nourini		
Air valve	mm		No air valve																
DISTRIBUTION																			
		4.421		Dongo, Lukuri, Lowakoke					31/12/2019	20	0.75	19.25							
Distribution lines	kren		HDPE 75mm and 40mm	village			Active						Good condition	Unlikely	Minor	Medium	Do nothing		
Distribution lines																			
Gate Valve	10000		No gate valve																
Air valve			No air valve																
SERVICE CONNECTIONS																			
									31/12/2019	10	0.75	9.25	Minor repairs to repair broken						
PSP #1	No.	10	10 tap stands with 40 taps					Broken taps	31/12/2017	10	0.75	5.2.5	taps	Likely	Insignificant	Low	Repair	900,000	
STOCK (spares, chemicals)							1												
	No.						1												
	No																		

Good cendition	Normal maintenance required
Minor defects (approx. 5% of components need	
replacement	Minor maintence required
Major defects (approx	
10 - 20% of components	
	Major maintenance required
Requiries renewal	
(approx 20 - 50% of	
components need	
replacement)	Significant renewal / upgrade requiered
Asset failed /	
	Over 50% of asset requires replacement

ASSET REGISTER AND CONDITION ASSESSMENT OF WATER SCHEME COMPONENTS

NAME OF REFUGEE SETTLEMENT

Palorinya

NAME OF WATER SCHEME

Doma in Zone III East

				-			1		1	1	03.10.2020	1	
		SIZE	DESCRIPTION	LOCATION	GPS COORD.		STATUS	FIELD OBSERVATION	INSTALLATION	Estimated Useful	AGE	Remaining Useful	
									DATE	Life (EUL)		Life (RUL)	CONDITION RANKING (see table
ASSET TYPE	UNITS												below for guidance)
			(material, brand etc)		N	E	(Active; Not						Good condition; Minor defects;
							operational)						Major defects; Requires upgrade;
													Asset failed
WATER SOURCE													
Borehole DWD (insert No.)		69225											
				Dama Zone II									
	-												Good condition
Safe yield					377564	345242	Active						
Borehole depth		125.58											
Casing diameter	mm	167											
Static water level	m	22.03											
Dynamic water level	m	40.78											
		18.75											
Draw-down	m												

							1					
Dumn								01.12.2018	10	2	0	
Pump	3	9	000.00					01.12.2018	10	2	8	
Flow rate	m ³ /hr		SP9-29	Dama Zone II		Active	No observation since the number is also do installed					
Power rating	kW	5.5					No observation since the pump is already installed					
Pump installation depth	m	109										
Bulk meter Non Return Valve	mm	DN 50										
Wash-out	mm mm	DN 50										
Air Valve	mm	DN 50 DN 50										
Pressure gauge		20										
Pump House		1		Dama Zone II		Active			10	2	0	
Pump House	NO.	1		Dama Zone II		Active			10	2	8	
								01.12.2018				
ENERGY SOURCE												
Solar Power		40	265W, Risun	Dama Zone II		Active	The entire fenced area without structures is being					
Solar panels	No.; Angle	16					used for farming by the scheme operators		10	2	8	
	oftilt											
								01.12.2018				
Thermal Power												
									10	2	8	
		17.6	MET ENERGY	Dama Zone II						_	-	Good condition
Generator set	kVA					Active		01.12.2018				
									30	2	28	Requires upgrade / expansion to
							The pump house is curently used as pump house and			_		make room for the generator
		0		Dama Zone II			generator house. There is no space for one to access					
Generator House #1	m ²						the well head fittings	01.12.2018				
National Grid												
Transformer	kVA		No transformer									
Electrical Installations												
									10	2	8	
										_	-	
		RSI	5.5KW			Active						Good condition
		1.01	0.0111			neuve						dood condition
Electrical installations - control												
panels								01.12.2018				
CIVIL STRUCTURES								01.12.2010				
Guard Houses	No.	1				Active	No lighting system in the guard house and pump		30	2	28	Requires upgrade
Guard Houses		· ·				neuve	house. The guard house is combined with the store.		50	2	20	noqui es uppi auc
							Size of the store is 9m2 (3x3) and the guard house is					
							4.5m2 (3x1.5)					
							1.5112 (541.5)					
	<u> </u>							01.12.2018				
Latrines	No.	1				Active			30	2	28	Good condition
1												
1												
1												
1												
1												
1								01.12.2018				
	1	1						OTTELEOTO				
WATER TREATMENT												

Disinfec	ction		N/A					
	Chlorination Unit		N/A					
	Chemical House	m ²	N/A					

STORAGE												
Tank #1	m ³	65	Steel tank	Dongo village	377052	344120	The tank is arranged as (4x4x3) but the dimension of the plates are not known. There is a leakage as shown by drops of water from the tank. The tank is shared with Abio water supply scheme	01.12.2018	20	2	18	Minor defects
Tank #2	m ³											
Bulk meter	mm	100		Dongo village								
TRANSMISSION												
Transmission line	km		HDPE				The total transmission line is not known	01.12.2018	20	2	18	Good condition
Gate Valve	mm											
Air valve	mm											
DISTRIBUTION												
Distribution lines	km		HDPE				The total distribution line is not known	01.12.2018	20	2	18	Good condition
Distribution lines	km											
Gate Valve	mm											
Air valve	mm											
SERVICE CONNECTIONS												
PSP #1	No.	12	12 tapstands with 24 taps					01.12.2018	10	2	8	
STOCK (spares, chemicals)												
	No.											
	No.											

GUIDE ON CONDITION ASSESSMENT

Good condition		Normal maintenance required
Minor defects (approx. 5% of components need replacement		Minor maintence required
Major defects (approx 10 - 20% of components need replacement)		Major maintenance requiered
Requiries renewal (approx 20 - 50% of components need replacement)		Significant renewal / upgrade requiered
Asset failed / unserviceable		Over 50% of asset requires replacement

ASSET REGISTER AND CONDITION ASSESSMENT OF WATER SCHEME COMPONENTS

NAME OF REFUGEE SETTLEMENT

Palorinya

NAME OF WATER SCHEME

Longa I in Zone III West

											03.10.2020
		SIZE	DESCRIPTION	LOCATION	GPS COORD.		STATUS	FIELD OBSERVATION	INSTALLATION DATE	Estimated Useful	AGE
ASSET TYPE	UNITS								DATE	Life (EUL)	
			(material, brand etc)		N	Е	(Active; Not operational)				
WATER SOURCE											
Borehole DWD (insert No.)		66773									
Pump test yield	m ³ /hr	16.2		Longa Village	341115	377686	Active		Jän.17	r	
Borehole depth	m	90									
Casing diameter	mm										
Static water level	m	20.12									
Dynamic water level	m	39.37									
Draw-down	m										

			1						1	1
Pump								Jän.17	10	3.75
1 ump			SP9-29			Antina	No observation since the more in slave do in stalled	Jan.17	10	5.75
Flow rate	m ³ /hr	9	3F 9-29			Active	No observation since the pump is already installed			
Power rating	kW	5.5	-	Longa Village						
Pump installation depth	m	55	-	Longa vinage						
Bulk meter	mm	DN 50	4							
Bulk meter	mm		4							
Non Return Valve	mm	DN 50								
Wash-out	mm	DN 50	-							
Air Valve	mm	DN 50	-							
Pressure gauge	Bar	20								
									10	3.75
Pump House	No.	1				 		Jän.17		
ENERGY SOURCE										
Solar Power		72	Solinc solar panels	Longa Village		Active	The entire fenced area without structures is being			
							used for farming by the scheme operators		10	3.75
							3 · 5 · 5 · 7 · · · · ·		-	
1		18°								
		10								
1										
	No.; Angle of tilt							1		
Solar panels Thermal Power	of tilt							Jän.17		
Generator set	kVA	25				Active			10	3.75
								Jän.17		
Generator House #1	m ²	12						,	30	120.75
denerator riouse #1		12							50	120.75
National Grid										
Transformer	kVA									
Electrical Installations										
Electrical installations - control		RSI	Grundfos			Active			10	3.75
		r.si	di unulos			Active			10	5.75
panels										
1										
1										
1										
1										
1										
								1:		
								Jän.17		
CIVIL STRUCTURES										
Guard Houses		1						Jän.17		3.75
Latrines	No.	1						Jän.17	30	3.75
WATER TREATMENT										
Disinfection			N/A							
Chlorination Unit			N/A	1		1				
Chemical House			N/A							1
Gilenitear House		L	**/**	1	1	I				1

Tank I So So Dogo vilage 377052 34120 Active The tank area is fenced Jain 7 20 3.755 Tank I n ¹ So elank Image of the second se	STORAGE											
Tail # m ³ Seel tak Image Marce											20	3.75
Tail # m ³ Seel tak Image Marce												
Tail # m ³ Seel tak Image Marce												
Tail # m ³ Seel tak Image Marce												
Tail # m ³ Seel tak Image Marce												
Tail # m ³ Seel tak Image Marce			FO		Dongo villago	277052	244120	Activo	The tank area is for and			
Tank#2 n ¹ s s			50		Doligo village	377032	544120	Active				
Tank#2 n ¹ s s												
Tank#2 n ¹ s s												
Tank#2 n ¹ s s												
Tank#2 n ¹ s s		2										
Bulk meter Mm Image <	Tank #1	m³		Steel tank						Jän.17		
Bulk meter Image				1								
Bulk meter Image												
Bulk meter Image												
Bulk meter Image												
Bulk meter Image												
Bulk meter Image												
Bulk meter Image												
Bulk meter Image												
Bulk meter Image												
Bulk meter Image												
Bulk meter Image	T 1 (10	3										
TRANSMISSION Image: second												
Image: Main Mark Mark Mark Mark Mark Mark Mark Mark	TRANSMISSION	mm										
Gate Valuemmii <th< td=""><td></td><td>lrm</td><td></td><td>HDPF Pipes</td><td></td><td></td><td></td><td>A</td><td></td><td>Jän 17</td><td>20</td><td>2.75</td></th<>		lrm		HDPF Pipes				A		Jän 17	20	2.75
Air value Mm G Mathematical Sector				indi di ripes				Acuve		Jdll.17	20	3./5
DISTRIBUTION Image: margin stream of the				1								
Image: Distribution of the symmetry of the symm		11111										
Image: Distribution line in the system of	Distribution lines	km		HDPE Pines				Activo		Jän 17	20	2 75
Gate Value mm Generating Constraints mm Generating Constraints Generating Cons										jan.17	20	3./3
Air value mm Image: second secon								nuve				
SERVICE CONNECTIONS Image:												
PSP #1 9 69 stps (44 sps in Long a II) Longa, Village A, longa, III Longa, Village A, longa, III Active Broken taps Broken taps 10 3.75 Image: A strain taps Image: A straint Image: A strain taps Image: A strain taps Image: A strain taps Image: A straint Image:												
PSP #1 No. 16 and 25 taps in Longa II) Idiwa 1, Idiwa 2 Broken taps Broken taps Jän. 7 A Image: STOCK (spares, chemical) Image: Stock (spares, chemical) <t< td=""><td></td><td></td><td></td><td>69 taps (44 taps in Longa I</td><td>Longa Village A</td><td></td><td></td><td>Active</td><td></td><td></td><td>10</td><td>3 75</td></t<>				69 taps (44 taps in Longa I	Longa Village A			Active			10	3 75
Image: An image: A state of the image: A st	PSP #1	No.	16		Idiwa1 Idiwa 2			neuve	Broken taps	Jän.17	10	5.75
No. No.	101 #1			Line in the second s	iuiwai, iuiWd Z					juniti		
No. No.	STOCK (spares, chemicals)											
	(opur co, chemicalo)	No.										
	<u> </u>	No.		1								

GUIDE ON CONDITION ASSESSMENT

Good condition	
Minor defects (approx. 5% of components need replacement	
Major defects (approx 10 - 20% of components need replacement)	
Requiries renewal (approx 20 - 50% of components need replacement)	
Asset failed / unserviceable	

Remaining Useful Life (RUL)	CONDITION RANKING (see table below for guidance)
	Good condition; Minor defects; Major defects; Requires upgrade; Asset failed
	Good condition

6.25	
0.23	
6.25	
	Good condition
	GOOD CONDITION
6.25	
0.25	
1	1
1	1
1	
1	
1	1
1	1
1	1
1	1
1	
L	I
6.25	Good condition
0.20	dood condition
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
-90.75	
6.25	Good condition
	Good condition
6.25	
6.25	Good condition
6.25	Good condition
6.25	Good condition
6.25	
6.25	Good condition

16.25	Good condition
16.25	Good condition
16.25	Good condition
	Good condition
6.25	Minor repairs

N 1
 Normal maintenance required
Minor maintence required
Major maintenance requiered
Significant renewal / upgrade requiered
Over 50% of asset requires replacement

ASSET REGISTER AND CONDITION ASSESSMENT OF WATER SCHEME COMPONENTS

NAME OF REFUGEE SETTLEMENT

NAME OF WATER SCHEME

Waka in Zone III West

Palorinya

											03.10.2020
ASSET TYPE	UNITS	SIZE	DESCRIPTION	LOCATION	GPS COORD.		STATUS	FIELD OBSERVATION	INSTALLATION DATE	Estimated Useful Life (EUL)	AGE
	0.000		(material, brand etc)		N	E	(Active; Not operational)				
WATER SOURCE											
Borehole DWD (insert No.) Borehole pump tests	m ³ /hr	15		Dongo West	375560	339157	Active		01.10.2018		
Borehole depth	m	66.31						The place is not accessible in rainy season due to poor road and the soil type			
Casing diameter		140	PVC								
Static water level		140	1 / C								
Dynamic water level			1								
Draw-down	m										

		r	1	-		r				i .	1 1
									01.10.2018		
Pump										10	2.00
Flow rate	m ³ /hr	9									
Power rating	kW	5.5	SP9-29	Dongo West			Active				
Pump installation depth	m	51									
Bulk meter	mm	DN 80									
Non Return Valve		DN 80									
Wash-out	mm	90									
Air Valve	mm Bar	4.6									
Pressure gauge	No.	16	•	Danas West	375560	339157			01.10.2018	10	2.00
Pump House	NO.	1		Dongo West	3/5500	339157			01.10.2018	10	2.00
ENERGY SOURCE											
Solar Power		40	265W Risun solar panels	Dongo West				The entire fenced area without structures is being used			
Solar panels	No.; Angle of	18						for farming by the scheme operators	01.10.2018	10	2.00
	tilt										
Thermal Power											
									01.10.2018	10	2.00
		10.5									
		13.5	FG Wilson	Dongo West							
		13.5	FG Wilson	Dongo West							
		13.5	FG Wilson	Dongo West							
		13.5	FG Wilson	Dongo West							
		13.5	FG Wilson	Dongo West							
Generator set			FG Wilson	Dongo West							
Generator House #1		13.5	FG Wilson	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid	m²			Dongo West				The generator is in the pump house			
Generator House #1 National Grid Transformer			No transformer	Dongo West				The generator is in the pump house			
Generator House #1 National Grid	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer	m²		No transformer	Dongo West				The generator is in the pump house			
Generator House #1 National Grid Transformer	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations Electrical installations - control	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations	m²		No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations Electrical installations - control panels CIVIL STRUCTURES	m ⁴ kVA	5	No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations Electrical installations - control panels CIVIL STRUCTURES Guard Houses	m ² kVA	5	No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018 01.10.2018 01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations Electrical installations - control panels CIVIL STRUCTURES Guard Houses Latrines	m ⁴ kVA	5	No transformer Model: HSPH11KH, 11KW,	Dongo West				The generator is in the pump house	01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations Electrical installations - control panels CIVIL STRUCTURES Guard Houses Latrines WATER TREATMENT	m ² kVA	5	No transformer Model: HSPH11KH, 11KW, DC Voltage: 400-780V	Dongo West				The generator is in the pump house	01.10.2018 01.10.2018 01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations Electrical installations - control panels CIVIL STRUCTURES Guard Houses Latrines WATER TREATMENT Disinfection	m ² kVA m ² No.	5	No transformer Model: HSPH11KH, 11KW, DC Voltage: 400-780V	Dongo West				The generator is in the pump house	01.10.2018 01.10.2018 01.10.2018	30	2.00
Generator House #1 National Grid Transformer Electrical Installations Electrical installations - control panels CIVIL STRUCTURES Guard Houses Latrines WATER TREATMENT	m ² kVA m ² No.	5	No transformer Model: HSPH11KH, 11KW, DC Voltage: 400-780V	Dongo West				The generator is in the pump house	01.10.2018 01.10.2018 01.10.2018	30	2.00

STORAGE											
Tank #1	m ³	125	Steel tank on a 10m tower	Idiwa	378577	340010	Active		01.10.2018	20	2.00
Tank #2	m ³										
Bulk meter	mm	DN 80						Not working			
TRANCHICCION											
TRANSMISSION Transmission line	km		No information available						01.10.2018	20	2.00
Gate Valve	mm		No information available						01.10.2018	20	2.00
Air valve	mm		No information available								
DISTRIBUTION			No mior mation available								
Distribution lines	km		No information available						01.10.2018	20	2
Distribution lines	km		No information available							-*	
Gate Valve	mm		No information available								
Air valve	mm		No information available								
SERVICE CONNECTIONS											
		22	Each tap stand has 4 or 2	Village B, C, D, E, J, K				The system is currently functioning except 3 tap stands		10	2
PSP #1	No.		taps, a total of 44 taps	and L				which are malfunctioning	01.10.2018		
STOCK (spares, chemicals)											
	No.										
	No.										

GUIDE ON CONDITION ASSESSMENT

Good condition	
Minor defects (approx. 5% of components need replacement	
Major defects (approx 10 - 20% of components need replacement)	
Requiries renewal (approx 20 - 50% of components need replacement)	
Asset failed / unserviceable	

Remaining Useful Life (RUL)	CONDITION RANKING (see table below for guidance)
	Good condition; Minor defects; Major defects; Requires upgrade; Asset failed
	Good condition

8.00	
8.00	Good condition
8.00	
28.00	Good condition
20.00	
8.00	
	Good condition
28.00	
28.00	
L	l

18.00	Good condition
18.00	
18	
8	

Normal maintenance required
Minor maintence required
Major maintenance requiered
Significant renewal / upgrade requiered
Over 50% of asset requires replacement

ASSESSMENT OF PERFORMANCE OF WATER SYSTEM

NAME OF REFUGEE SETTLEMENT

Palorinya

MONTH UNDER ASSESSMENT

Jul.20

PERFORMANCE INDICATORS

			Luwakoke
	SERVICE STANDARD INDICATORS		
1	Population within Scheme	No.	7,134
2	Total Water Demand	cub.m/d	173
3	Number of connections		
	No of Domestic Connections	No.	
	No. of Standpipes	No.	10
	No. of Institutional Connections	No.	
	Total no. of service connections	No.	10
4	No. of taps (on standpipes)	No.	40
5	No. of persons per public tap	No./tap	178
	OPERATIONAL INDICATORS		
6	System capacity	cub.m/d	176
7	Volume of Water produced	cub.m/d	22
8	Capacity Utilisation	%	13%
9	Storage capacity	cub.m	108
10	Manpower	No.	
11	Total Network Length	km	
12	Per capita consumption	l/c/d	3
	EFFICIENCY INDICATORS		
13	Energy Consumption		
	Generator	l/month	
14	Fuel for trucking	l/month	
14	Chlemical Consumption	lig (month	
	Chlorine Chlorine	kg/month	_
	Chiorine	kg/cub.m	-
			l

ASSESSMENT OF PERFORMANCE OF WATER SYSTEM

NAME OF REFUGEE SETTLEMENT

Palorinya

MONTH UNDER ASSESSMENT

Jul.20

PERFORMANCE INDICATORS

	COST INDICATORS		
	Operating Expenses		
15	Salaries/Benefits	UGX/month	
16	Diesel / Fuel costs		
	Generator	UGX/month	
	Fuel for trucking	UGX/month	
	Total fuel cost	UGX/month	-
	Unit Fuel Cost	UGX/cub.m	-
17	Chemical costs		
	Chlorine	UGX/month	
	Total chemical cost	UGX/month	-
	Unit Chemical costs	UGX/cub.m	-
18	Administrative Expenses	UGX/month	
19	Other Overheads	UGX/month	
20	Repairs & Maintenance (O&M)	UGX/month	
21	Capital Maintenance Expenditure	UGX/month	
	Total Expenses	UGX/month	-
	TARIFF INDICATORS		
22	Unit Cost of Production	UGX/cub.m	-