CHAPTER 6 ACTIVITIES FOR OUTPUT-3

S6.3-1 UPDATED ITEMS OF THE DATABASE

No.		GIS subject		Progress o			Frequency	Remarks
			Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
888		1. Distribution Facility information		2000000	20000000	20000000	00000000000	
	Graphic	Water distribution pipes	•	ļ			required	
		Pipe ID	•				required	
	0101-2	Networks	•				required	
	0101-3	Systems	•				required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•				required	
	0101-6	Pipe length	•				required	
01	0101-7	Pipe Depth				•	required	
	0101-8	Pipe Depth Pipe Depth Completion year			•		required	
	0101-9	Completion year		•			required	
		Date of last maintenance				•		
	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at a
	0101-12	Date of Repairing Date of Leakage detection				•	required	No records have been kept at a
	0101-13	Date of Leakage detection Pipe Notes			•		required	
			•					
	Graphic	Shice valve (gate valve)	•				required	
	0102-1	Valve ID	•	ł			required	
	0102-2	Networks	•	h			required	
		Systems	•	ł			required	
		Valve material					required	
102	0102-5	Valve size	•				required	
	0102-6	Depth Direction of turn			•		required	
	0102-7	Direction of turn	•	ļ			required	
	0102-8	Valve status	•	ļ			required	
	0102-9	Date of Installation	•	ł			required	
		Date of last maintenance	•				required	
	0102-11	Valve Notes	•				required	
	Graphic	Hydrant	•				required	
	0103-1	Hydrant ID			•		required	
		Networks	•				required	
	0103-3	Systems	•				required	
103	0103-4	Hydrant type	•				required	
		Hydrant diameters	•				required	
	0103-6	Date of Installation	•				required	
		Last maintenance Date				•	required	No records have been kept at a
		Hydrant Notes	•					
	Graphic	Air valve	•				required	
	0104-1	Air Valve ID			•		required	
	0104-2	Networks Systems	•				required	
1104	0104-3	Systems	•				required	
	0104-4	Air Valve size	•				required	
	0104-5	Date of Installation	•				required	
	0104-6	Last maintenance Date Air Valve Notes				•	required	No records have been kept at a
			•				required	
	Graphic	Water pipe bridge			•		required	
	0105-1				•		required	
	0105-2	Length			•		required	
0105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date				•	required	No Water pipe bridge
	0105-5	Bridge Name				•	-	No Water pipe bridge
	0105-6	Bridge material				•	-	No Water pipe bridge
	Graphic	Sewer Manholes		ļ	•		required	
	0106-1	Secuential number		ļ		•	-	No Sewer Manholes
	0106-2	Distribution System number				•	required	No Sewer Manholes
	0106-3	Distribution System name		ļ		•	required	No Sewer Manholes
	0106-4	Distribution System location				•	required	No Sewer Manholes
	0106-5	Distribution System code		ļ		•	required	No Sewer Manholes
106	0106-6	SSYSAC		ļ		٠	required	No Sewer Manholes
		SSYSLINENO		ļ		٠	required	No Sewer Manholes
	0106-8	SMH_manber		ļ		٠	required	No Sewer Manholes
	0106-9	SMH_type		ļ		٠	required	No Sewer Manholes
	0106-10	SMH II.		L		•	required	No Sewer Manholes
	0106-11	SMH_RL	I			•	required	No Sewer Manholes
		SMH_size	I	1		•	required	No Sewer Manholes
_	0106-13	SMH_date				٠	required	No Sewer Manholes
	Graphic	Sewer Pipelines			•		required	
	0107-1	Sequential number		I		•	-	No Sewer Pipelines
	0107-2	Distribution System number	I	1		٠	required	No Sewer Pipelines
	0107-3	Distribution System name		I		٠	required	No Sewer Pipelines
	0107-4	Distribution System location Distribution System code		T		•	required	No Sewer Pipelines
	0107-5	Distribution System code		T		٠	required	No Sewer Pipelines
	0107-6	SSYSAC		1		٠	required	No Sewer Pipelines
	0107-7	SSYSLINENO		1		•	required	No Sewer Pipelines
	0107-8	SP_NO		1		•	required	No Sewer Pipelines
	0107-9	Sewer Pipe Length		1		•	required	No Sewer Pipelines
107	0107-10	SP SIL		1		•	required	No Sewer Pipelines
		SP EIL					required	No Sewer Pipelines

_	N.		nggakiki	Progress o	f Database		Frequency	n
	No.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
	0107-12	SP_ACV				•	required	No Sewer Pipelines
	0107-13	Sewer Pipe diameters				•	required	No Sewer Pipelines
	0107-14	SP_TYPE				٠	required	No Sewer Pipelines
	0107-15	SP_MAKE				٠	required	No Sewer Pipelines
	0107-16	SP DATE				٠	required	No Sewer Pipelines
	0107-17	SP SLOPE				•	required	No Sewer Pipelines
	0107-18	SP CONNO				•	required	No Sewer Pipelines
	0107-19	SP CONNEC				•	required	No Sewer Pipelines
		SP_LINK					required	No Sewer Pipelines
	Graphic	Lakana location	•			-	Daily	no concert spennes
	0201.1	Leakage location ID	+				Daily	
	0201-1	I salaan Tara	+				Daily	
	0.201-2	Leakage Type						
	0201-3	Status of Leak	•				Daily	
0201	0201-4	Location	•				Daily	
	0201-5	Condition	•				Daily	
	0201-6	Asset type	•				required	
	0201-7	Asset Size	•				required	
	0201-8	Asset Material	•				required	
	0201-9	Date of survey	•				Daily	
_	Graphic	Flow meters	•				required	
	0301-1	ID Networks			•		required	[
	0301-7	Networks				•	required	No flow Meter Installed on site
	0301-3	Systems				•	required	No flow Meter Installed on site
		Location				•	required	No flow Meter Installed on site
0301	0301 5	Sina	+					
	0301-5	Size Date of Installation	+				required	No flow Meter Installed on site
	0301-6	Lone of machination					required	IND HOW Meter Installed on site
	0301-7	Last maintenance Date				•	required	No flow Meter Installed on site
	0301-8	Logging				•	required	No flow Meter Installed on site
	0301-9	Flow meter Notes	-			•	required	No flow Meter Installed on site
	Graphic	Feeder pipes (service pipes)	•				required	
0302	0302-1	PipeID			•		required	
0502	0302-2	Pipe material	•				required	
	0302-3	Pipe size	•				required	
	Graphic	Water meter	•				Daily	
	0303-1	HouseID			•		Daily	
	0303-7	Customer's Name	•				Daily	
	0303-3	MeterID					Daily	
	0202.4	Status of Meter (whether working, buried etc)					Duny	
0303	0303-4	Status of Meter (whener working, ouried etc)						
	0303-5	Manufacturer						
	030.5-5	Size of Meter Date of Installation	•					
	0303-7	Date of Installation	•					
	0303-8	Lot Number			•			
	0303-9	Comments	•					
0000		2. Water Source information	0.00000000		200000000			
	Graphic	Bore holes	•				required	
	0401-1	Borehole ID					-	
	0401-2	Borehole Type	1				-	
	0401-3	Borehole Type Well depth(m)			•		required	
	0401-4	Head			٠		-	No Borehole on Site
	0401-5	Head Max			•		-	No Borehole on Site
	0401-6	Pumo ID			•		-	No Borehole on Site
	0401-7	Pump ID Location			•		required	No Borehole on Site
2401	0401-8	Manufacturerre			•		-	No Borehole on Site
	0401.9	Serial No	+				-	No Borehole on Site
	0401 30	Flow Rate	+				required	No Borehole on Site
	0401-10	Plow Rate Static Water Level						No Borehole on Site
	0401-11	Denne were Level					required	
	0401-12	Dynamic Water Level			•		required	No Borehole on Site
	0401-13	Date of Pump Installed			•		required	No Borehole on Site
	0401-14	Date of last maintenance			•		required	No Borehole on Site
	0401-15	Age			•		required	No Borehole on Site
	0401-16	Status			•		required	No Borehole on Site
123	200322	3. Pump Station information	120000000	1000000000	1000000	10000000	100000000000000000000000000000000000000	
	Graphic	Pump station	•				required	
	0402-1	Station ID					-	
	0402-2	Unit name			•		required	
	0402-3	Station type					required	
3402	0402-4	Location					required	
	0402-5	Age	+				required	
	0402 6	Sharay	+				required	l
	0402-6	Status Power Usage (KWh)					required	
	040,5-7	rower osage (KWD)					required	
		Number of pump					required	
		4. Service reservoir information	0.00000000	00000000	00000000	00000000	000000000000000000000000000000000000000	
333			•				required	
	Graphic	Service reservoir					-	
	Graphic	Service reservoir name	•					
	Oraphic 0403-1 0403-2	Service reservoir name Structure of service reservoirs	•		•		-	
×403	Graphic 0403-1 0403-2 0403-3	Service reservoir name Sincture of service reservoirs Elevation of service reservoirs	•		:		required	
403	Graphic 0403-1 0403-2 0403-3	Service reservoir name Sincture of service reservoirs Elevation of service reservoirs	•		:		required	
403	Graphic 0403-1 0403-2 0403-3	Service reservoir name Sincture of service reservoirs Elevation of service reservoirs	•		:		required	
403	Graphic 0403-1 0403-2 0403-3 0403-3 0403-5	Service reservoir name Structure of service reservoirs Elevation of service reservoirs Capacity of service reservoir H W.L. L. W.L.	•		•		required required	
	Oraphie 0403-1 0403-2 0403-3 0403-4 0403-5 0403-5	Service reservoir name Sincture of service reservoirs Elevation of service reservoirs	•		•		required	

Lenggakiki Input item of GIS

	No	GIS subject		Progress o	f Database	8	Frequency	Remarks
	NO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
0.00		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
	0405-4	Source name				•	Daily / Monthly	
nans	0405-5	Source Type				•	Daily / Monthly	
0405	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
	0405-8	Flow Rate (L/s)				•	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
		5. Customer's information						
		Customer ID	•				Daily	
	0405-2	Customer's name	•			1	Daily	
0501	0405-3	House ID			•	[Daily	
0501	0405-4		•			l	Daily	
	0405-5	Boundary of plot (land)			٠	[required	
	0405-6	Customer's status	•			[Daily	
	*1:	The term of "Required" indicates the irregular updat	e work.					•
		For example, such as 'updating, if ten information sl	heets accum	alate."				
		Since it is an ambiguous definition, SW and JICA es	cpert team w	ill discuss an	id decide cle	early from n	ow on	
		And it will indicate by an operation manual.						

Mbokonaveral Input item of GIS

N	io. 🗌	GIS subject		Progress o	f Database		Frequency	Remarks
			Updated	Ongoing	Not yet	No data	of update(*1)	Rumarka
		1. Distribution Facility information	6	000000000				
1.1	Graphie	Water distribution pipes	•				required	
	0101-1	Pipe ID Networks	•				required	
	0101-2	Networks	•				required	
	0101-3	Systems	•				required	
		Pipe material	•				required	
- P	0101-5	Pipe diameters	•				required	
		Pipe length	•				required	
0101	0101-0	ripe tengui						
101	0101-7	Pipe Depth Pipe Use Completion year				•	required	
- L.	0101-8	Pipe Use	•				required	
- L	0101-9	Completion year		•			required	
- 10	0101-10	Date of last maintenance	•					
10	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at a
16	0101-12	Date of Repairing	1			•	required	No records have been kept at a
17	0101-13	Date of Leakage detection			•		required	·····
- 17	0101 14	Pipe Notes	-					
- 0	Granhia	Shuce valve (gate valve)					raminad	
- P	Orapine	Silice valve (gate valve)					required	
-	0102-1	Valve ID	•				required	
	0102-2	Networks	•				required	
	0102-3	Systems	•				required	
	0102-4	Valve material	•				required	
02	0102-5	Valve material Valve size Depth	•	ſ			required	
102	0102-6	Depth	1	(•		required	
- In	0102-7	Direction of turn	•	·			required	
		Valve status		h			required	
- I-	0102-8	Varve status					required	
- I	0102-9	Date of Installation	•				required	
10	0102-10	Date of last maintenance	•				required	
		Valve Notes	•				required	
1	Graphic	Hydrant	•				required	
1	0103-1	Hydrant ID	1		•		required	
	0103-2	Networks	•				required	
Ŀ	0102.2	Systems	•				required	
03	0102 4	The design from a						
.03	0105-4	Hydrant type Hydrant diameters	•				required	
. i.,	0103-5	Hydrant diameters	•				required	
	0103-6	Date of Installation	•				required	
	0103-7	Last maintenance Date				•	required	No records have been kept at a
	0103-8	Hydrant Notes	•					
10	Graphic	Air valve	•				required	
- 1	01041	Air Valve ID Networks Systems			•		required	
1	0104.2	Maturoda	•				required	
-	0101-2	Diversion of the	•					
104 -	01045	Systems					required	
		Air Valve size	•				required	
		Date of Installation				•	required	
	0104-6	Last maintenance Date				•	required	No records have been kept at a
	0104-7	Air Valve Notes	•				required	
- 1	Graphic	Water pipe bridge ID			•		required	
	0105-1	ID			•		required	
	0105-2	Length			•		required	
05	0105 2	Pipe material					required	
~ I-	0105-5						Tequied	N N N 1
-	0105-4	Last maintenance Date				•	required	No Pipe Bridge on site
j.	0105-5	Bridge Name	+	ļ		•		No Pipe Bridge on site
		Bridge material				•	-	No Pipe Bridge on site
- 19	Graphic	Sewer Manholes			•		required	
- F	0106-1	Sequential number				•	-	No Sewerage System on Site
- 11	0106-2	Distribution System number		[•	required	No Sewerage System on Site
- F	0106-3	Distribution System name		·		•	required	No Sewerage System on Site
- ŀ	0105-4	Distribution System Invation		t			required	No Sewerage System on Site
- -	0106.5	Distribution System location Distribution System code	+					No coverage system on Sile
	0100-5	concentration System code	+			·	required	No Sewerage System on Site
.06	0106-6	SSYSAC		ļ		•	required	No Sewerage System on Site
	0106-7	SSYSLINENO		L		•	required	No Sewerage System on Site
- 0	0106-8	SMH number	1	1		•	required	No Sewerage System on Site
- 0	0106-9	SMH_type	1			٠	required	No Sewerage System on Site
10	0106-10	SMH IL		[•	required	No Sewerage System on Site
17	0106-11	SMH RL	1	1		•	required	No Sewerage System on Site
- 19	0105-12	SMH size		t			required	No Sewerage System on Site
- 6	0106 12	SMH date	+	l				No Sewerage System on Site
			-			•	required	pyo coverage system on Site
1.5	oraphic	Sewer Pipelines		ļ	•		required	
- L.	0107-1	Sequential number				•	-	No Sewerage System on Site
	0107-2	Distribution System number				•	required	No Sewerage System on Site
- 1	0107-3	Distribution System name	1			•	required	No Sewerage System on Site
- F	0107-4	Distribution System location		[•	required	No Sewerage System on Site
- F	0107-5	Distribution System code	+	·		•	required	No Sewerage System on Site
÷	0107.6	SSYSAC	+			•	required	No Sewerage System on Site
- }-	0107-0	PRAVEL INTRAIO	+				required	
-	0107=7	SSYSLINENO	+			•	required	No Sewerage System on Site
- L.	0107-8	SP_NO		ļ		•	required	No Sewerage System on Site
	0107-9	Sewer Pipe Length				•	required	No Sewerage System on Site
	0107.10	SP SIL	1			•	required	No Sewerage System on Site
107 (0107-11							No Sewerage System on Site

	No.	GIS subject		Progress o	f Database		Frequency	Remarks
		-	Updated	Ongoing	Not yet	No data	of update(*1)	
	0107-12	SP_ACV				•	required	No Sewerage System on Site
	0107-13	Sewer Pipe diameters				•	required	No Sewerage System on Site
	0107-14	SP_TYPE				•	required	No Sewerage System on Site
	0107-15	SP_MAKE				•	required	No Sewerage System on Site
	0107-16	SP_DATE				•	required	No Sewerage System on Site
	0107-17	SP_SLOPE				•	required	No Sewerage System on Site
	0107-18	SP CONNO				٠	required	No Sewerage System on Site
	0107-19	SP CONNEC				•	required	No Sewerage System on Site
		SP_LINK				•	required	No Sewerage System on Site
	Graphic	Leakage location					Daily	
	0201.1	ID	-				Daily	
	0201 2	Leskage Type					Daily	
	0201 2	Status of Leak					Daily	
	0201-5	Location					Daily	
0201	0201-4	Location						
		Condition	-				Daily	
	0201-6	Asset type					required	
	0201-7	Asset Size Asset Material	•				required	
	0201-8	Asset Material	•				required	
	0201-9	Date of survey	•				Daily	
			•				required	
	0301-1	ID		[•		required	
	0301-2	Networks				•	required	No Flow meter installed on site
		Systems					required	No Flow meter installed on site
	0301-4	Location				•		No Flow meter installed on site
0301	0301-4	Pine	+				required	to a sow meter abouted on site
	0301-5	5122	•				required	
	0301-6	Date of Installation				•	required	No Flow meter installed on site
	0301-7	Last maintenance Date				•	required	No Flow meter installed on site
	0301-8	Logging				٠	required	No Flow meter installed on site
	0301-9	Flow meter Notes				•	required	No Flow meter installed on site
	Graphic	Feeder pipes (service pipes)	•				required	
	0307.1	PineID			•		required	
0302	0302.2	PipeID Pipe material	-			·	required	
	0302-2	Pipe size	+ :				required	
	Graphic	Water meter	•				Daily	
	0303-1	HouseID	•				Daily	
	0303-2	Customer's Name	•				Daily	
	0303-3	MeterID	•				Daily	
0303	0303-4	Status of Meter (whether working, buried etc) Manufacturer	•					
0505	0303-5	Manufacturer	•					
	0303-6	Size of Meter	•					
		Date of Installation						
	0303 9	Lot Number						
	0303-6	Comments						
	1 0303-9	2. Water Source information						
0000			10 1000000000	2000000000	000000000		20000000000000	
	Graphic	Bore holes	•				required	
	0401-1	Borehole ID				•	-	No Borehole on site
	0401-2	Borehole Type				•	-	No Borehole on site
	0401-3	Well depth(m)			•		required	
	0401-4	Head				•	-	No Borehole on site
	0401-5	Head Max				•	-	No Borehole on site
	0401-6	Pump ID				•	-	No Borehole on site
	0401-7	Location				•	required	No Borehole on site
3401	0401.9	Location Manufacturerre				•	- required	No Borehole on site
~ 701	0401 0	Serial No	-+				+	No Loachala an aite
			-+			•		No Borehole on site
	10401-10	Flow Rate				•	required	No Borehole on site
		Static Water Level		ļ		•	required	No Borehole on site
	10401-12	Dynamic Water Level				•	required	No Borehole on site
	0401-13	Date of Pump Installed				•	required	No Borehole on site
	0401-14	Date of last maintenance				٠	required	No Borehole on site
	0401-15	Age	Т	[•	required	No Borehole on site
	0401-16	Status	1			•	required	No Borehole on site
0002		3. Pump Station information	0.00000000	1000000000	100000000			
		Pump station					required	
	0402-1	Station ID				•	required	
						·····		
		Unit name			•		required	
	0402-3	Station type				•	required	
402	0402-4	Location				•	required	
	0402-5	Age		L		•	required	
	0402-6	Status				٠	required	
		Power Usage (KWh)	1			٠	required	
		Number of pump			•	·····	required	
000	: 5102-0	4. Coursian research information					required	
333	10000000	4. Service reservoir information	0.000000000	043233226	00555556	00555555	101202222222222222222222222222222222222	000000000000000000000000000000000000000
	Graphic	Service reservoir		ļ	•		required	
	0403-1	Service reservoir name	1	L	•		-	
	0403-2	Structure of service reservoirs			•		- 1	
403	0403-3	Elevation of service reservoirs	1		•		required	
	0403.4	Capacity of service reservoir			•		required	
	0403-4	Capacity of service reservoir H.W.L. L.W.L	-+				required	
	0403-5	ILW. L. L.W.L.			•		required	
		Date of last maintenance	1			•	required	
1404	Graphic	Distribution area of source Area name			•		required	

	No.	GIS subject		Progress o	f Database	0	Frequency	Remarks
	No.	GIS subject	Updated	Ongoing	Not vet	No data	of update(*1)	Remarks
2022		1. Distribution Facility information	000 0000000			000000000000000000000000000000000000000		
	Graphic	Water distribution pipes	•				required	
	0101-1	Pipe ID	•			[required	
	0101-2	Networks	•			Γ	required	
	0101-3	Systems	•			[required	
	0101-4	Pipe material	•			1	required	
	0101-5	Pipe diameters	•				required	
	0101-6	Pipe length	•			1	required	
0101	0101-7	Pipe Depth				•	required	
	0101-8	Pipe Use	•			1	required	
	0101-9	Completion year		•		[required	
	0101-10	Date of last maintenance				•	A	
		Date of Replacement / Rehabilitation				•	required	No records have been kept at
	0101-12	Date of Repairing				•	required	No records have been kept at
	0101-13	Date of Leakage detection			٠	1	required	
	0101-14	Pipe Notes	•			1		
	Graphic	Shice valve (gate valve)	•				required	
		Valve ID	•			1	required	
	0102-2	Networks	•			1	required	
	0102-3	Systems	•			1	required	
	0102-4	Valve material	•				required	
0102		Valve size	•			1	required	
J102	0102-6	Depth			•	1	required	
	0102-7	Direction of turn	•			t	required	
	0102-8	Valve status	•			1	required	
	0102-0	Date of Installation	•			1	required	
		Date of last maintenance	•			1	required	
		Valve Notes	•				required	
	Graphic	Hydrant	•				required	
	0103-1	Hydrant Hydrant ID			•		required	
	0103-2	Networks	•				required	
		Systems					required	
0103	0103-4	Hydrant type	•				required	
	0103-5	Hydrant diameters	•				required	
	0103-6	Date of Installation					required	
	0103-7	Last maintenance Date				•	required	No records have been kept at
	0103.8	Hydrant Notes				·	required	ito recento nare coerracio a
	Graphia	Air valve	•				required	
	0104-1	Air Valve ID					required	
	0104-2	Networks					required	
	0104-2	Systems						
0104	0104-5	Air Valve size					required required	
	0104-5	Date of Installation					required	
	0104-6						required	No records have been kept at
		Air Valve Notes				· · · · ·	required	ito recorda nare recti keja a
		Water pipe bridge					required	
	0105.1	ID			•		required	
	0105-2	Length			•		required	
0105	0105-2	Pipe material						
5105	0105-5	Last maintenance Date			•		required	
						÷	required	
	0105-5	Bridge Name Bridge material				÷	- <u>-</u>	
	0105-6	Istige material				•		
	Grapine	Sewer Manholes Sequential number			•		required	
	0106-1	Sequential number						
	0106-2	Distribution System number				•	required	
	0106-3	Distribution System name				•	required	
	0105-4	Distribution System location		ļ	l	•	required	
	0106-5	Distribution System code			l	<u> </u>	required	
0106		SSYSAC			l	•	required	
		SSYSLINENO				•	required	
	0106-8	SMH_mamber				•	required	
	0106-9	SMH_type				•	required	
	0106-10	SMH_IL				· ·	required	
	0106-11	SMH RL				•	required	
	0106-12	SMH_size				•	required	
	10106-13	SMH_date				•	required	
	Graphic	Sewer Pipelines Sequential number		ļ	•	ļ	required	
	0107-1	Sequential number				•	-	
	0107-2	Distribution System number		ļ		•	required	
	0107-3	Distribution System name				•	required	
	0107-4	Distribution System location				•	required	
	0107-5	Distribution System code				•	required	
	0107-6	SSYSAC		ļ		•	required	
	0107-7	SSYSLINENO		L		•	required	
	0107-8	SP NO				•	required	
	0107-9	Sewer Pipe Length				•	required	
0107		SP SIL				•	required	
		SP_EIL		[required	1

0405-1 0405-2 0405-3 0405-3 0405-5 0405-5 0405-6 0405-7 0405-8	CIS subject 6. Other informations Water guilty (Excel-point observation) Water Quilty Point No Loadton_Name Data of Survey Source name Source Type Cutchiment condition		Ongoing	•	No data •	of update(*1) Daily / Monthly Daily / Monthly Daily / Monthly Daily / Monthly	Remarks
0405-1 0405-2 0405-3 0405-3 0405-5 0405-5 0405-6 0405-7 0405-8	Water quality (Fixed-point observation) Water Quality Point No Location Name Data of Survey Source name Source Type Cutchment cardinan			•		Daily / Monthly	
0405-1 0405-2 0405-3 0405-4 0405-5 0405-5 0405-6 0405-7 0405-8	Water Quality Point No Location Name Data of Survey Source name Source Type Catchmant condition			•	÷	Daily / Monthly	
0405-1 0405-2 0405-3 0405-4 0405-5 0405-5 0405-6 0405-7 0405-8	Water Quality Point No Location Name Data of Survey Source name Source Type Catchmant condition				÷		
0405-2 0405-3 0405-4 0405-5 0405-6 0405-7 0405-8	Location_Name Data of Survey Source name Source Type Catchmart.com/line				•	Daily / Monthly	
0405-3 0405-4 0405-5 0405-6 0405-7 0405-8	Data of Sturvey Source name Source Type Cutchmark condition						
0405-4 0405-5 0405-6 0405-7 0405-8	Source name Source Type Outchment condition				•	Daily / Monthly	
0405-6 0405-7 0405-8	Source Type Catchment condition				•	Daily / Monthly	
0405-6 0405-7 0405-8					•	Daily / Monthly	
0405-8					•	Daily / Monthly	
0405-8	Catchment area(Hectares)				٠	Daily / Monthly	
	Flow Rate (L/s)				٠	Daily / Monthly	
0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
0405-10	Hardness (mg/L)				٠	Daily / Monthly	
0405-11	Turbidity (NTU)				•	Daily / Monthly	
	5. Customer's information						
0405-1	Customer ID	•				Daily	
0405-2	Customer's name	•				Daily	
	House ID			٠		Daily	
0405-4	Type Of Account	•				Daily	
0405-5	Boundary of plot (land)			•	1	required	
0.405.6	Customer's status	•			l	Daily	

Since it is an ambiguous defination, SW and JICA expert team will discuss and decide clearly from now or And it will indicate by an operation manual

	No. 0107-12 0107-13	GIS subject	Undated	Ongoing Not ye	f No data	of update(*1)	Remarks
	0107-13						
	0107-13				:	required	
		Sewer Pipe diameters SP_TYPE				required	
	0107-14	SP_MAKE				required required	
	0107-15	SP DATE			- ÷-	required	
	0107-10	SP SLOPE				required	
		SP CONNO				required	
	0107-10	SP_CONNO				required	
	0107-19	SP_CONNEC SP_LINK				required required	
	Granbia	Leokage location	-			Daily	
	0201.1	ID ID Leakage Type				Daily	
i	0201-7	I askana Tune				Daily	
	0701-3	Status of Leak				Daily	
	0201-4	Location				Daily	
0201	0201-5	Condition				Daily	
	0201-6	Asset type	•			required	
i	0201-7	Asset type Asset Size	•			required	
1	0201-8	Asset Material	•			required	
1	0201-9	Date of survey	•			Daily	
-	Graphic	Flow meters	•			required	
	0301-1	ID Networks		•		required	
1	0301-2	Networks		[•	required	
1	0301-3	Systems	-1	1	•	required	
0301	0301-4	Location	T	r	•	required	
	0301-5	Size	•	[]		required	
	0301-6	Date of Installation			•	required	
1	0301-7	Date of Installation Last maintenance Date			•	required	
1	0301-8	Logging	T		•	required	
	0301-9	Flow meter Notes			•	required	
	Graphic	Feeder pipes (service pipes)	•			required	
0302	0302-1	PipeID Pipe material	•			required	
0302	0302-2	Pipe material		•		required	
	0302-3	Pipe size	•			required	
	Graphic	Water meter	•			Daily	
	0303-1	HouseID		•		Daily	
	0303-2	Customer's Name	•			Daily	
	0303-3	Meterilly	•			Daily	
0303	0303-4	Status of Meter (whether working, buried etc)	•				
0303	0303-5	Manufacturer	•				
	0303-6	Size of Meter	•				
	0303-7	Date of Installation	•				
	0303-8	Lot Number	•				
	0303-9	Comments	•				
		2. Water Source information					
1	Graphic	Bore holes	•			required	
	0401-1	Borehole ID Borehole Type			•		
	0401-2	Borehole Type			•	-	
	0401-3	Well depth(m)		•		required	
	0401-4	Head			•		
1	0401-5	Head Max			•		
1	0401-6	Pump ID Location			•		
	0401-7	Location			•	required	
0401	0401-8	Manufacturerre			•		
	0401-9	Serial No			•		
	0401-10	Flow Rate			•	required	
i	0401-11	Static Water Level		ļ	•	required	
l	0401-12	Dynamic Water Level		ļ	•	required	
	0401-13	Date of Pump Installed		ļļ	•	required	
	0401-14	Date of last maintenance			•	required	
	0401-15	Age			•	required	
1	0401-16	Status			•	required	
		3. Pump Station information					
	Graphic	Pump station	•	ļ		required	
	0402-1	Station ID Unit name			•		
	0402-2	Unit name	•			required	
0.602	0402-3	Station type			•	required	
0402	0402-4	Location		h	•	required	
	0402-5	Age			•	required	
	0402-6	Natus		h	•	required	
	0402-7	Power Usage (KWh)			•	required	
	0402-8	Number of pump		· · · ·		required	
		4. Service reservoir information	4000000			provide a second de la seconda d	
	Graphic 0402.2	Service reservoir	•	l		required	
	0403-1	Service reservoir name	•	l			
0403	0403-2	Structure of service reservoirs	•	h			
0403	0403-3	Elevation of service reservoirs		· · · · · ·		required	
-	0405-4	Capacity of service reservoir		•		required	
	040.5-5	H.W.L. L.W.L		•		required	
	0405-6	Date of last maintenance	-		· ·	required	
0404	Graphic 0404.2	Distribution area of source Area name	-+	:		required	
1	0404-1	Area name	-	•	-	required	

WR_Namoruka Input item of GIS

	No	GIS subject		Progress o	f Database	e .	Frequency	
	NO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
2222		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
	0405-4	Source name				•	Daily / Monthly	
nans	1.0405-5	Source Type				•	Daily / Monthly	
0405	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
	0405-8	Flow Rate (L/s)				•	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)		1		•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
		5. Customer's information						
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
1501		House ID			•	1	Daily	
0001	0405-4	Type Of Account					Daily	
	0405-5	Boundary of plot (land)				1	required	
	0405-6	Customer's status	•				Daily	
_	*1:	The term of "Required" indicates the irregular						
		For example, such as "updating, if ten informat	tion sheets accum	ulate."				
		10 11 12 12 Mar 11		100.01	A.A. 1.A. A.	1.0		

For example, such as updating, it can incommon success econicities. Since it is an ambiguous definition, SW and JICA expert team will discuss and decide clearly from now on And it will indicate by an operation manual.

	No.	GIS subject		alley In Progress of	f Database		Frequency	Remarks
	NO.		Updated	Ongoing			of update(*1)	Remarks
<u> 388</u>		1. Distribution Facility information						
	Graphic	Water distribution pipes	•	ļ			required	
	0101-1	Pipe ID	•				required	
	0101-2	Networks	•	ļ			required	
	0101-3	Systems	•	ļ			required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•	ļ			required	
	; 0101-6	Pipe length	•				required	
лог	0101-7	Pipe Depth				•	required	
	0101-8	Pipe Use Completion year	•				required	
	0101-9	Completion year		•			required	
	0101-10	Date of last maintenance	·····					
	0101-11	Date of Replacement / Rehabilitation Date of Repairing		h			required	No records have been kept at al No records have been kept at al
	0101-12	Date of Leakage detection			••••••		required required	NO TECCEUS HAVE GEEN KEPK AC A
	0101-14	Pipe Notes					Tequired	
	Graphic	Shice valve (gate valve)					required	
	0102-1	Valve ID					required	
	0102-2	Networks					required	
	0102-3	Systems		t			required	
	0102-4	Valve material	•	†			required	
	0102-5	Valve size		t			required	
0102	0102-6	Depth		1	•		required	
	0102-7	Depth Direction of turn	•	1			required	
	0102-8	Valve status	•	†			required	
		Date of Installation	•	1			required	
	0102-10	Date of last maintenance	•	1			required	
	0102-11	Valve Notes	•	1			required	
	Graphic	Hydrant	•				required	
	0103-1	Hydrant ID		1	•		required	
	0103-2	Networks	•	1			required	
	0103-3	Systems	•	1			required	
103	0103-4	Hydrant type	•	1			required	
	0103-5	Hydrant diameters	•	1			required	
	0103-6	Date of Installation	•	1			required	
	0103-7	Last maintenance Date		Ι		٠	required	No records have been kept at al
	0103-8	Hydrant Notes	•	1				
	Graphic	Air valve	•	l			required	
	0104-1	Air Valve ID		ļ	•		required	
	0104-2	Networks	•	ļ			required	
0104		Systems	•				required	
	0104-4	Air Valve size	•	ļ			required	
		Date of Installation	•				required	
	0104-6	Last maintenance Date				•	required	No records have been kept at al
	0104-7	Air Valve Notes	•				required	
	Graphic	Water pipe bridge ID			•		required	
	0105-1			h	•		required	
	0105-2	Length			•		required	
105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date Bridge Name				•	required	
	0105-5	Bridge naterial		+			-	
	0100-b	Bridge material Sewer Manholes			-	· ·	-	
	0106.2	Sequential number		<u> </u>	•	•	required	
	0106-1	Distribution System number		<u>+</u>		•	required	
	0106-2	Distribution System name		†			required	
	0106-4	Distribution System location		t			required	
	0105-5	Distribution System code		†			required	
	0106-6	SSYSAC		t			required	
0106	0105-7	SSYSAC SSYSLINENO		t		•	required	
	0106-8	SMH_mmber		1		•	required	
	0106-9	SMH_type		1		•	required	
	0106-10	SMH II.		1		•	required	
	0106-11	SMH RL		1		•	required	
	0106-12	SMH size		T		•	required	
	0106-13	SMH date		1		•	required	
	Graphic	Sewer Pipelines			•		required	
	0107-1	Sequential number	1	1		•	-	
	0107-2	Sequential number Distribution System number		1		•	required	
	0107-3	Distribution System name		T		•	required	
	0107-4	Distribution System location		T		•	required	
	0107-5	Distribution System code		T		•	required	
	0107-6	SSYSAC		T		•	required	
	0107-7	SSYSAC SSYSLINENO		1		•	required	
	0107-8	SP NO		1		•	required	
	0107-9	Sewer Pipe Length		1		•	required	
0107	0107-10 0107-11	SP SIL		1		•	required	
		op TTT		t			required	

	No	GIS subject	dence_V	Progress o	f Database		Frequency	Remarks
_		-	Updated	Ongoing	Not yet	No data	of update(*1)	Terminis
		SP_ACV				:	required	
	0107-13	Sewer Pipe diameters SP_TYPE				:	required	
	0107-14	SP MAKE					required required	
	0107-15	OF MAKE					required	
	0107-10	SP_DATE SP_SLOPE				•	required required	
	0107-18	SP_CONNO				÷	required	
	0107-10	SP_CONNEC				÷	required	
	0107-20	SP_LINK					required	
	Graphie	Leskage location				-	Daily	
	0201-1	ID	•				Daily	
	0201-2	Leakage Type	•				Daily	
	1.0201-3	Status of Leak	•				Daily	
201	0201-4	Location	•				Daily	
201	0201-5	Condition	•				Daily	
	0201-6	Asset type Asset Size	•				required	
	0201-7	Asset Size	•				required	
	0201-8	Asset Material	•				required	
		Date of survey	•				Daily	
	Graphic	Flow meters	•				required	
	0301-1	ID		ļ	•		required	
	0301-2	Networks		ļ	٠		required	
	0301-3	Systems		ļ	•		required	
301	0301-4	Location			•		required	
	0301-5	Size	•				required	
	0301-6	Date of Installation Last maintenance Date			•		required	
	0301-7	Last maintenance Date		ļ	•		required	
	0301-8	Logging			•		required	
	0301-9	Flow meter Notes	_		•		required	
	Graphic	Feeder pipes (service pipes)	•				required	
802	0302-1	PipeID			•		required	
	0302-2	Pipe msterial	•				required	
_		Pipe size	•				required	
	Graphic	Water meter HouseID	+ :				Daily Daily	
	0303-1	nousein						
	0303-2	Customer's Name MeterID					Daily Daily	
	0303-3	Status of Meter (whether working, buried etc)					Daily	
303	0303-4	Manufacturer						
	0202 6	Size of Meter	•					
	0303-7	Date of Installation						
	0303-8	Lot Number	•					
	0303-9	Comments	•					
222		2. Water Source information		00000000	00000000	000000000		
	Graphic	Bore holes	•				required	
	0401-1	Borehole ID				٠	-	
	0401-2	Borehole Type				٠	-	
	0401-3	Well depth(m)			•		required	
	0401-4	Head				٠	-	
	0401-5	Head Max				•	-	
	0401-6	Pump ID Location				•	-	
	0401-7	Location		ļ		•	required	
\$01	0401-8	Manufacturerre				•		
	0401-9	Serial No				•	-	
	0401-10	Flow Rate				•	required	
	0401-11	Static Water Level		ļ		•	required	
	0401-12	Dynamic Water Level				•	required	
	0401-13	Date of Pump Installed				•	required	
		Date of last maintenance				•	required	
	0401-15	Age					required	
	0401-16	Somus				•	required	
	Genek	3. Pump Station information Pump station	•	1.00000000			convical	
	orapene	Pump station Station ID				•	required	
	0402-1	Unit name				•	required	
	0402-2	Station type	-+		•	•	required	
102	0402.4	Location				÷	required	
.0.4	0402-5	Ase				•	required	
	0402-5	Status					required	
	0402-7	Power Usage (KWh)				•	required	
	0402-8	Number of pump			•		required	
		4. Service reservoir information	1					
	Graphic	Service reservoir	•	1.00000000			required	
		Service reservoir name	•				-	
	0403-1	Structure of service reservoirs	1		•		-	
	0403-2			1	•		required	
103	0403-2	Elevation of service reservoirs						
103	0403-2 0403-3 0403-4	Elevation of service reservoirs Capacity of service reservoir			•		required	
103	0403-2 0403-3 0403-4	Elevation of service reservoirs Capacity of service reservoir			•		required	
103	0403-2 0403-3 0403-4 0403-5 0403-6	Elevation of aervice reservoirs Capacity of service reservoir H.W.L. L.W.L Date of last maintenance			٠	•	required required	
103	0403-2 0403-3 0403-4 0403-5 0403-6	Elevation of service reservoirs Capacity of service reservoir			٠	•	required	

Independence_Valley Input item of GIS

GIS subject GIS subject GO Characterization GO Characterizatio GO Characterization GO			•		of update(*1) Daily / Monthly Daily / Monthly Daily / Monthly Daily / Monthly Daily / Monthly Daily / Monthly Daily / Monthly	Remarks
hie Water quality (Fixed-point observation) -1 Water quality Point No -2 Location Name -3 Data of Survey -4 Source nume -5 Source Type -5 Catchment condition					Daily / Monthly Daily / Monthly Daily / Monthly Daily / Monthly	
Serre Quality Point No Location Name Location Name Source Survey Source name Source name Source Type So Catchment condition					Daily / Monthly Daily / Monthly Daily / Monthly Daily / Monthly	
Serre Quality Point No Location Name Location Name Source Survey Source name Source name Source Type So Catchment condition					Daily / Monthly Daily / Monthly Daily / Monthly	
F-2 Location Name Source name Source name Source Type Cutchment coudition				÷	Daily / Monthly Daily / Monthly	
5-3 Data of Survey 5-4 Source name 5-5 Source Type 5-6 Catchment condition				:	Daily / Monthly Daily / Monthly	
Source name Source Type Catchment condition				:		
55 Source Type 56 Catchment condition				•	Daily / Manthala	
5-6 Catchment condition						
				•	Daily / Monthly	
-7 [Catchment area(Hectares)		1		•	Daily / Monthly	
-8 Flow Rate (L/s)				٠	Daily / Monthly	
5-9 Chlorine Demand (mg/10L)		[٠	Daily / Monthly	
-10 Hardness (mg/L)				•	Daily / Monthly	
-11 Turbidity (NTU)				•	Daily / Monthly	
5. Customer's information						
5-1 Customer ID	•				Daily	
-2 Customer's name	•	1			Daily	
-3 House ID		1	٠		Daily	
5-4 Type Of Account	٠				Daily	
5-5 Boundary of plot (land)			•		required	
5-6 Customer's status	•	[[Daily	
		Si Pione Ruis (LA)	Ski Plow Ras (J.a)	Si Pione Kang (Ju)	SP (Norm State (A)) • 95 (Dotrue Domain (mp101)) • 101 Beckness (mp1) • 101 Turbidity (ONU) • 102 Constant ² to information • 103 Londone ID • 104 Discoveration • 105 Londone ID • 105 Londone View ID •	Si Plow Kate (JA) Duly / Monthly O (Shorize Demand rug (JG) Duly / Monthly 10 Hindwing (TC) Duly / Monthly 10 Lindwing (TC) Duly / Monthly 11 Lindwing (TC) Duly / Monthly 12 Lindwing (TC) Duly / Monthly 13 Lindwing (TC) Duly / Monthly 14 Lindwing (TC) Duly / Monthly 15 Lindwing (TC) Duly / Monthly 16 Lindwing (TC) Duly / Monthly

For example, such as "updating, if ten information sheets accumulate." Since it is an ambiguous definition, SW and TICA expert team will discuss and decide clearly from now on And it will indicate by an operation manual.

1	No.	GIS subject		Progress o			Frequency	Remarks
	.10.		Updated	Ongoing	Not yet	No data	of update(*1)	Keinar KS
		1. Distribution Facility information						
	Graphic	Water distribution pipes	•				required	
	0101-1	Pipe ID	•				required	
	0101-2	Networks	•				required	
	0101-3	Systems	•			l	required	
	0101-4	Pipe material Pipe diameters	•				required	
	0101-5	Pipe diameters	•			l	required	
	0101-6	Pipe length	•				required	
101	0101-7	Pipe Depth				•	required	
	0101-8	Pipe Use Completion year	•				required	
	0101-9	Completion year		•		1	required	
	0101-10	Date of last maintenance	•	1		1		
	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at :
	0101-12	Date of Repairing				•	required	No records have been kept at :
	0101-13	Date of Leakage detection			٠	[required	
	0101-14	Pipe Notes	•			1		
	Graphic	Shiice valve (gate valve)	•				required	
	0102-1	Valve ID	•	[I	required	
	0102-2	Networks	•			1	required	
	0102-3	Systems	•	1		Γ	required	
	0102-4	Valve material	•	T		Γ	required	
	0102-5	Valve size	•			1	required	
102	0102-6	Depth			•	1	required	
	0102-7	Direction of turn	•	t		t	required	
		Valve status		t		t	required	
		Date of Installation	•			t	required	
		Date of last maintenance				t	required	
	0102-11	Valve Notes					required	
		Hydrant						
	0102.1	Hydrant ID					required	
	0103 2	Networks	•		-		required required	
	0103-3	Systems						
103							required	
105		Hydrant type	·····				required	
	0103-5	Hydrant diameters	•				required	
		Date of Installation				•	required	
	0103-7	Last maintenance Date				•	required	No records have been kept at
		Hydrant Notes	•					
	Graphic	Air valve	•				required	
	0104-1	Air Valve ID			•		required	
	0104-2	Networks	•				required	
104	0104-3	Systems	•				required	
	0104-4	Air Valve size	•				required	
	0104-5	Date of Installation	•				required	
	0104-6	Last maintenance Date				•	required	No records have been kept at
	0104-7	Air Valve Notes	•				required	
	Graphic	Water pipe bridge			•		required	
	0105-1	ID			•		required	
	0105-2	Length	I		•	l	required	
105	0105-3	Pipe material			•	I	required	
	0105-4	Last maintenance Date				•	required	
	0105-5	Bridge Name		[•	-	
	0105-6	Bridge material				•	-	
_		Sewer Manholes			•		required	
	0106-1	Sequential number		(•	r	-	
	0106-2	Distribution System number			•	1	required	
		Distribution System name		[•	Γ	required	
	0106-4	Distribution System location		1	•	Γ	required	
	0106-5	Distribution System code			•	Γ	required	
106	0106-6	SSYSAC			•	1	required	
106	0106_7	SSYSAC SSYSLINENO			•	1	required	
	0106-8	SMH number			•	t	required	
	0106-9	SMH_type		t	•	t	required	
				t	•	t	required	
	0106-11	SMH_RL		h	•	t	required	
	0106-17	SMH size			•	h	required	
		SMH date					required	
	Granhin	Sewer Pipelines			•		required	1
	0107.1	Sequential number					required	
	0107.2	Distribution System number					raminad	
	0107-2	Distribution System nulliber					required	
		Distribution System name					required	
	0107-4	Distribution System location			•		required	
	0107-5	Distribution System code			•		required	
	0107-6	SSYSAC		ļ	•	ļ	required	
		SSYSLINENO		ļ	•	ļ	required	
	0107-8	SP_NO		L	•	l	required	
	0107-9	Sewer Pipe Length		L	٠		required	
107	0107-10	SP_SIL			•	1	required	
107	0107-11						required	

	No.	GIS subject		Progress o			Frequency	Remarks
			Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
	0107-12	SP_ACV			•		required	
	0107-13	Sewer Pipe diameters			•		required	
	0107-14	SP_TYPE			•		required	
	0107-15	SP_MAKE			•		required	
	0107-16	SP_MAKE SP_DATE			•		required	
	0107-17	SP SLOPE			٠		required	
	0107-18	SP CONNO			٠		required	
	0107-19	SP_CONNEC			٠		required	
	0107-20	SP LINK			•		required	
	Graphic	Leakage location	•				Daily	
	0201-1	Leakage location ID	•				Daily	
	0201-2	Leakage Type	•				Daily	
							Daily	
	0701-4	Location Condition	•				Daily	
201	0201-5	Condition	•				Daily	
	0201-6	Asset type			•			
	0201-0	Asset Size	+				required	
	0201-1	Paser alze			•		required	
	0201-8	Asset Material Date of survey			•		required	
	0201-9	LARE OF SURVEY	•				Daily	
	Graphic	Flow meters	•				required	
	0301-1	ID Networks			•		required	
	0301-2	Networks				•	required	
	0301-3	Systems				•	required	
301			1			•	required	
201	0301-5	Size	•				required	
	0301-6	Size Date of Installation	1			٠	required	
			1			٠	required	
	0301-8	Logging Flow meter Notes				•	required	
	0301-9	Flow meter Notes				•	required	
	Graphic	Feeder pipes (service pipes)	•				required	
	0302-1	PipeID			•		required	
302	0302-2	Pipe material	•				required	
	0302.3	Pipe size					required	
	Granhia	Water meter	•				Daily	
							Daily	
	0303-1	HouseID Customer's Name Materill					Daily	
	0303-2	MeterID					Daily	
			•				Daily	
303	0303-4	Status of Meter (whether working, buried etc)	•					
	0303-5	Manufacturer	•					
	0303-6	Size of Meter	•					
	0303-7	Date of Installation	•					
	0303-8	Lot Number	•					
	0303-9	Comments	•					
222		2. Water Source information	100000000		22222222			
	Graphic	Bore holes	•				required	
	0401-1	Borehole ID	•				-	
	0401-2	Borehole Type Well depth(m)	•				-	
	0401-3	Well depth(m)			•		required	
	0401-4	Head	•				-	
	1.0401-5	Head Max						
			•				-	
	0401-6	Pump ID	:					
	0401-6	Pump ID Location					- required	
401	0401-6 0401-7 0401-8	Pump ID Location	•				required	
401	0401-8	Pump ID Location Manufacturerre	•				required	
401	0401-8 0401-9	Pump ID Location Mnufacturerre Serial No					-	
401	0401-8 0401-9 0401-10	Pump ID Location Marafacturere Serial No Flow Rate					required	
401	0401-8 0401-9 0401-10 0401-11	Pump D Location Manufacturere Serial No Flow Rate Statis Water Level					required required	
401	0401-8 0401-9 0401-10 0401-11 0401-12	Pemp ID Location Manufacturere Serial No Flow Rate Static Water Level Dynamic Water Level					required required required	
×401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13	Pranji D. Location Marafacturere Sarial No Flow Rate Static Water Level Dynamic Water Level Data of Pranji Installed					required required required required required	
401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14	Premp ID Location Manufacturere Serial No Flow Rate Static Water Level Dynamic Water Level Date of Pamp Installed Date of Datmanterance					required required required required required required	
401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15	Premp ID Location Manafacturere Serial No Flow Rate Static Water Level Dynamic Water Level Date of Pamp Intalled Date of Pamp Intalled Date of Sast maniterance Age					required required required required required required	
401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16	Pranji Di Location Marafachiverce Serial No Flow Rate Statis Water Lored Date of Dway Installed Date of Dway Installed Date of Dway Installed Date of Date maintenance Age Stata					required required required required required required	
401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16	Pang ID Loation Mandatekeren Serial No Plow Rate Statu Waer Level Dynamis Vater Level Date of Pang Junilald Date of Pang Junilald Date of Pang Junilald Date of Satura Statu Statu Statu					required required required required required required required	
401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-13 0401-14 0401-15 0401-16	Panga DD Location Manufacteurere Senal No. Plew Rate Sans Want Level Dramate Water Level Sans Sans Sans Sans Damate Database Information Physical Information					required required required required required required	
401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16 Graphic 0402-1	Pang DD Location Mandatescree M					required required required required required required required required required	
401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-13 0401-14 0401-15 0401-16 0401-16 0402-1 0402-1	Peop ID Location Marka No. 99 Prove Nate Static Wear [Ared] Date of Peop Instituted Date of Peop Instituted Date of Peop Instituted Date of Peop Instituted Nate Static Static Information Peop Institute Information Peop Institute			•	•	required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-10 0401-12 0401-12 0401-13 0401-14 0401-15 0401-16 Graphic 0402-1 0402-2 0402-3	Parep ID Leation Manufacturere Serial No. Serial No. Date of Person International Date of Person Internation Date of Person Internation Date of International Age Suma Suma Suma Suma Suma Suma Suma Suma			•		required required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-10 0401-12 0401-12 0401-13 0401-14 0401-15 0401-16 Graphic 0402-1 0402-2 0402-3 0402-4	Peop ID Constant Manufactorere Plow Tane Denormality of the second State Were Level Date of Denormality of the Date of Denormality of the Date of Denormality of the Date of Denormality of the States States On Date of Denormality of the States States States On Date of Denormality of the States St			•	•	required required required required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-14 0401-15 0401-16 0402-1 0402-2 0402-2 0402-3	Parep ID Location Manufacturere Serial No. Plane Rater Level Date of Promp Instilled Date of Isomp Instilled Promp Institute Information Party Institute Information Party Institute Information Date of Isomp Institute Station ID Location			•		required required required required required required required required required required	
	0401-8 0401-9 0401-10 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-14 0401-15 0401-16 0402-1 0402-2 0402-2 0402-3	Parep ID Location Manufacturere Serial No. Plane Rater Level Date of Promp Instilled Date of Isomp Instilled Promp Institute Information Party Institute Information Party Institute Information Date of Isomp Institute Station ID Location			•	•	required required required required required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-14 0401-15 0401-16 0402-1 0402-2 0402-2 0402-3	Parep ID Location Manufacturere Serial No. Plane Rater Level Date of Promp Instilled Date of Isomp Instilled Promp Institute Information Party Institute Information Party Institute Information Date of Isomp Institute Station ID Location			•	:	required required required required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-11 0401-12 0401-12 0401-13 0401-14 0401-15 0401-16 0402-1 0402-1 0402-2 0402-3 0402-3 0402-3 0402-4 0402-3 0402-4 0402-3	Peop ID Looton Looton Smith Nor Phow Rate Smith Nore Data Theory Institute Smith Wang Lord Data Theory Institute Data Theory Institute Data Theory Institute Smith			•	:	required required required required required required required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-11 0401-12 0401-12 0401-13 0401-13 0401-14 0401-15 0401-16 0402-1 0402-3 0402-3 0402-4 0402-5 0402-8	Peop ID Lossbon Mandachowere Plow Sate Den Kate Sate Wear Level Date of Peop Instituted Date of Den mainterne Date of Den mainterne Date of Den mainterne Sates Sates Sates Sates Sates Sates Sates Den Dates Sates Sates Date Dates Sates			•	:	required required required required required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-11 0401-12 0401-12 0401-13 0401-13 0401-14 0401-15 0401-16 0402-1 0402-3 0402-3 0402-4 0402-5 0402-8	Peop ID Lossbon Mandachowere Plow Sate Den Kate Sate Wear Level Date of Peop Instituted Date of Den mainterne Date of Den mainterne Date of Den mainterne Sates Sates Sates Sates Sates Sates Sates Den Dates Sates Sates Date Dates Sates			•	:	required required required required required required required required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-11 0401-12 0401-12 0401-13 0401-13 0401-14 0401-15 0401-16 0402-1 0402-3 0402-3 0402-4 0402-5 0402-8	Peop ID Lossbon Mandachowere Plow Sate Den Kate Sate Wear Level Date of Peop Instituted Date of Den mainterne Date of Den mainterne Date of Den mainterne Sates Sates Sates Sates Sates Sates Sates Den Dates Sates Sates Date Dates Sates			•	:	required required required required required required required required required required required required required required required	
000	0401-8 0401-9 0401-10 0401-10 0401-11 0401-12 0401-13 0401-13 0401-13 0401-15 0401-15 0401-16 0401-16 0402-1 0402-2 0402-3 0402-3 0402-3 0402-4 0402-3 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-1 0402-4 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0401-10 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-11 0400-10000-10000000000	Parep ID Constant Manufactorere Distantiation of the second Data of the second Data of Pareng Instituted Data of Pareng Instituted Data of Data of Data of Data Data of Data of Data of Data Data of Data of Data of Data Data of Data of Data of Data of Data of Data Data of Data of Data of Data of Data of Data Data of Data of Data of Data of Data of Data Data of Data of Data of Data of Data of Data of Data Data of Data of Data of Data of Data of Data of Data of Data Data of Data of D			•	:	required required required required required required required required required required required required required required required required	
4402	0401-8 0401-9 0401-10 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-14 0401-15 0401-16 0402-1 0402-2 0402-2 0402-2 0402-3 0402-4 0402-2 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-1 0402-3 0402-1 0403-10040-10040-1000-1000-1000-1000-100	Parep ID Loadon Marka Nore Data Shark Nore Data Shark Wang Level Data of Parey Inselled Data of Parey Inselled Data of Parey Inselled Data of Parey Inselled Data of Parey Inselled Shark			:	:	required required required required required required required required required required required required required required	
4402	0401-8 0401-9 0401-10 0401-10 0401-11 0401-11 0401-13 0401-14 0401-15 0401-14 0401-15 0401-16 0402-1 0402-1 0402-2 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-1 0402-3 0402-1 0402-3 0402-1 0402-1 0403-1	Peop ID Location Mandatekere Plow Ease Device Text Data of Level Data of Peop Instituted Data of Peop Instituted Data of Level Data of Level D			• •	:	required required required required required required required required required required required required required required required	
4402	0401-8 0401-9 0401-10 0401-10 0401-11 0401-12 0401-13 0401-13 0401-14 0401-15 0401-14 0402-1 0402-1 0402-2 0402-3 0402-4 0402-5 0402-3 0402-4 0402-5 0402-8 0402-3 0402-4 0402-5 0402-8 0402-1 0402-2 0402-3 0402-4 0402-1 0402-2 0402-1 0402-2 0402-8 0400-8 000000000000000000000000000000	Peop ID Loadon Johnachowere Market and the second second Pow Nate Data of Power I and Data of Data of Loadon Data of Loadon Data of Loadon Data of Loadon Data of Loadon Status S			•	:	required tequired tequired tequired tequired required required required required required required required required required required required required required	
402	0401-8 0401-9 0401-10 0401-11 0401-11 0401-12 0401-13 0401-13 0401-14 0401-15 0401-15 0401-16 0401-15 0401-16 0402-2 0402-3 0402-4 0402-3 0402-4 0400-4 0400-4 0400-4 0400	Parep ID Location Mandatekerrer Mandatekerrer Davis Team Davis Team Davis Team Davis Versel Level Davis of Paren Level Davis of Paren Level Davis of Paren Level Davis of Paren Level Davis of Parent			:	:	required required required required required required required required required required required required required required required	
402	0401-8 0401-9 0401-10 0401-11 0401-11 0401-12 0401-13 0401-14 0401-14 0401-15 0401-16 0401-16 0401-16 0402-1 0402-2 0402-3 04020	Peop ID Loadon Johnachowere Market and the second second Pow Nate Data of Power I and Data of Data of Loadon Data of Loadon Data of Loadon Data of Loadon Data of Loadon Status S			•	:	required tequired tequired tequired tequired required required required required required required required required required required required required required	

Tuvaruhu-1 Input item of GIS

	No.	GIS subject		Progress o	f Database	8	Frequency	Remarks
	NO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
1000		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
		Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
		Source name				•	Daily / Monthly	
0405	0405-5	Source Type				•	Daily / Monthly	
0400	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
	0405-8	Flow Rate (L/s)				•	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
		5. Customer's information						
		Customer ID	•				Daily	
		Customer's name	•				Daily	
0501		House ID			•		Daily	
0001	0405-4	Type Of Account				•	Daily	
	0405-5	Boundary of plot (land)		[٠	[required	
		Customer's status	•				Daily	
	*1:	The term of "Required" indicates the irregular updat						
		For example, such as "updating, if ten information s						

For example, such as "updating, if ten information sheets accumulate." Since it is an ambiguous definition, SW and JICA expert team will discuss and decide clearly from now on And it will indicate by an operation manual. Tuvaruhu-2 Input item of GIS

	No.	GIS subject		Progress o	1 Database		Frequency	Remarks
			Updated	Ongoing	Not yet	No data	of update(*1)	
1122	0000000	1. Distribution Facility information	10.01	0000000000	101003033	000000000		
	Graphic	Water distribution pipes	•				required	
	0101-1	Pipe ID	•			1	required	
	0101-2	Pipe ID Networks Systems	•				required	
	0101 2	Protoco					required	
	0101-5	Pipe material						
	0101-4	Pipe insterial	•				required	
	0101-5	Pipe diameters	•				required	
	0101-6	Pipe length Pipe length Pipe Depth Pipe Use Completion year	•				required	
101	0101-7	Pipe Depth				•	required	
	0101-8	Pipe Use	•				required	
	0101-9	Completion year		•			required	
	0101-10	Date of last maintenance						
	0101 11	Date of Replacement / Rehabilitation					required	No records have been kept at a
	0101-11	Date of Replacement / Retabilitation				•	Tequired	NO records have been kept at a
	0101-12	Date of Repairing				•	required	No records have been kept at a
	0101-13	Date of Leakage detection Pipe Notes			•		required	
	0101-14	Pipe Notes	•					
	Graphic	Shuce valve (gate valve)	•				required	
	0102-1	Valve ID	•			1	required	
	0102-2	Networks	•				required	
	0102-3	Systems Valve material					required	
	0102 4	Value metanial		h			required	
		Valve material Valve size					required	
102	0102-5	Valve size	•				required	
	1 0102-61	Depth		l	•		required	
	0102-7	Direction of turn	•				required	
	0102-8	Valve status	•				required	
	0102-9	Date of Installation	•				required	
	0102-10	Date of last maintenance		·····			required	
	0102 11	Valve Notes		·····			required	
	Graphic	Hydrant	•				required	
	0103-1	Hydrant ID			•		required	
	0103-2	Networks	•				required	
	0103-3	Systems	•			1	required	
103	0103-4	Networks Systems Hydrant type			•		required	
	0103-5	Hydrant diameters					required	
	0102 6	Date of Installation	•					
							required	
	0105-7	Last maintenance Date				•	required	No records have been kept at a
	0103-8	Hydrant Notes	•					
	Graphic	Air valve	•				required	
	0104-1	Air valve Air Valve ID			•		required	
	0104-2	Networks	•				required	
	01043	Systems					required	
104	0104.4	Air Valve size					required	
	0104 5	Data of Installation				•		
	01040	Date of Installation Last maintenance Date					required	No records have been kept at a
	0104-6	Last maintenance Date				•	required	No records have been kept at a
	0104-7	Air Valve Notes	•				required	
	Graphic	Water pipe bridge			•		required	
	0105-1	ID.			•		required	
	0105-2	Length			•		required	
105	0105-3	Pipe material			•		required	
		Last maintenance Date						
	0105-4	Bridge Name				·	required	
	0105-5	istige Name				•		
		Bridge material				•	-	
	Graphie	Sewer Manholes			•		required	
	0106-1	Sequential number		•			-	
	0106-2	Sequential number Distribution System number Distribution System number		•			required	
	0105-3	Distribution System name		•			required	
	0105.4	Distribution System location						
	0100-1	Paraneous of Synthia Reducin		:			required	
	0102-2	Distribution System code					required	
106	0106-6	SSYSAC		•			required	
	0106-7	SSYSLINENO		•			required	
	0106-8	SSYSLINENO SMH number SMH type		•			required	
	0106-9	SMH type		•			required	
	0106-10	SMH IL		•			required	
		SMH RL					required	
	0106 12	SMH_size		•				
	0100-12	SWIT1 5120					required	
	10106-13	SMH_date		•			required	
	Graphic	Sewer Pipelines Sequential number			•		required	
	0107-1	Sequential number	1	•			-	
	0107-2	Distribution System number		•			required	
	0107-3	Distribution System name		•			required	
	0107 4	Distribution System Institut						
	10107-4	Distribution System location Distribution System code SSYSAC					required	
	0107-5	Distribution System code		•	L		required	
	0107-6	SSYSAC		•		L	required	
	0107-7	SSYSLINENO	T	•			required	
	0107.9	SP_NO		•			required	1
	0107.0	Sewer Pipe Length		÷				
	0107-10 0107-11	Sewer ripe Length					required	
		ISP SIL		•		1	required	1
107							required	

	No.	GIS subject		Progress o	f Database		Frequency	Remarks
			Updated	Ongoing	Not yet	No data	of update(*1)	
	0107-12	SP_ACV		•			required	
	010/-13	Sewer Pipe diameters		•			required	
	010/-14	SP_TYPE SP_MAKE		•			required	
	0107-15	SP_MAKE		•			required	
	0107-16	SP DATE		•			required	
	0107-17	SP_SLOPE		•••••			required	
	010/-18	SP_CONNO SP_CONNEC		:			required	
	0107-19	SP_LINK		1			required required	
				•				
	Orapine 0201_1	Leskage location	+ :				Daily Daily	
	0201-1	ID ID Leakage Type	+ :				Daily	
	0201-2	Status of Leak					Daily	
	0201-5	Status of Leak						
201	0201-4	Location Condition Asset type					Daily Daily	
	0201-0	A set has						
	0201-0	Asset Size					required required	
	0201-7	Asset Material				•	required	
	0201-8	Date of survey	+				Daily	
_	Graphia	Plow meters						
	0301-1	ID		h			required required	
	0301-2	Networks		h		•	required	
	0301-3	Systems				•	required	
	0301-4	Location				•	required	
301	0301-5	Size	+	h	•	·····	required	
	0301-6	Date of Installation	+		-	•	required	
	0301-7	Date of Installation Last maintenance Date		t		•	required	
	0301-8	Logging				•	required	
	0301-9	Flow meter Notes				•	required	
_	Genthic	Reader nines (cervice nines)			•		required	
	0302-1	PipeID			•		required	
302	0302-2	Pipe material			•		required	
	0302-3	Pipe size			•		required	
	Graphic	Water meter					Daily	
	0303-1	HouseID	•				Daily	
	0303-2	Customer's Name	•				Daily	
	0303-3	MeterID	•				Daily	
803	0303-4	Status of Meter (whether working, buried etc)	•				f	
~ i	0303-5	Manufacturer	•	1				
	0303-6	Size of Meter	•					
	0303-7	Date of Installation	•	1				
	0303-8	Lot Number	•					
	0303-9	Comments	•					
22		2. Water Source information	20000000	100000000	00000000		200000000000000	
	Graphic	Bore holes			•		required	
		Borehole ID				•	-	
	0401-2	Borehole Type				•	-	
	0401-3	Well depth(m)			•		required	
	0401-4	Head Max				•	-	
	0401-5	Head Max				•	-	
	0401-6	Pump ID				•	-	
101	0401-7	Location Manufacturerre				•	required	
ŧUI.	0401-8	Manufacturerre				•	-	
	0401-9	Serial No				•		
	0401-10	Flow Rate				:	required	
	0401-11	Static Water Level				:	required	
	0401-12	Dynamic Water Level					required	
	0401-13	Date of Pump Installed					required	
	0401-14	Date of last maintenance				÷	required	
	0401-15	nge					required	
20		3. Pump Station information	00000000			•••••••	required	
-	Granheit	3. Pump Station Information Pump station		200000000	000000000	0000000000	raminad	
	OMO2 1	Station ID		h			required	
	0402-1	Unit name					required	
	0402-3	Station type					required	
102	0402-3	Location		h		•	required	
~~~	0402-4	Age				•	required	
	0402-6	Statue	+				required	
	0402-5	Status Power Usage (KWh)		h				
	0402=/	Number of pump					required required	
	1 0402-8	4. Service reservoir information					required	
66		4. Service reservoir information Service reservoir	000000000	000000000	•	000000000	required	
	0403.1	Sarvina rearrier rama		h				
	0403-2	Service reservoir name Structure of service reservoirs	+				-	
103	0403 3	Elevation of service reservoirs	+		:		ractived	
	0403-3	Capacity of service reservoir	+		:		required required	
	0403-4	L'apacity of service reservoir H.W.L, L.W.L		h			required	
	, 0403-0			h	•	•	required	
	0403.4							
104	0403-6 Granhin	Date of last maintenance Distribution area of source			•	•	required required	

	Graphic 0101-7 0101-7 0101-3 0101-4 0101-5 0101-4 0101-5 0101-7 0101-5 0101-7 0101-7 0101-7 0101-7 0101-1 0101-1 0101-1 0101-1 0101-1 0101-1 0101-1 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0101-7 0001-7 0001-7 0001-7 0001-7 0001-7 0001-7 0001-7 0001-7 0001-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 0000-7 00000-7 00000-7 00000-7 00000000	CIS subject USEstimute 74-2014 Wate diabation pens Wate diabation pens Water diabation pens Networks Storem Program Pr		•	Not yet	No data	of update(*1) required required required required required required required required required required required required required	Remarks
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	0101-11 0101-12 0101-13 0101-14 0102-1 0102-2 0102-3 0102-3 0102-4 0102-5 0102-5 0102-5 0102-5 0102-5 0102-7 0102-8 0102-9	Date of Replacement / Rehabilitation Date of Repairing Date of Learkage detection Pipe Notes Shate valve (gate valve) Valve ID Networks Systems Valve material	÷		•			
	0101-12 0101-13 0101-14 0rophic 0102-1 0102-2 0102-3 0102-3 0102-4 0102-5 0102-5 0102-5 0102-5 0102-5 0102-8 0102-2	Date of Repairing Date of Leakage detection Pipe Notes Shice valve (gate valve) Valve 1D Networks Systems Valve material	÷		•	:		
	0101-13 0101-14 Graphie 0102-1 0102-2 0102-3 0102-3 0102-4 0102-5 0102-6 0102-7 0102-8 0102-9	Date of Leakage detection Pipe Notes Shike valve (gate valve) Valve ID Networks Systems Valve material	÷		•			No records have been kept at a No records have been kept at a
0102 - 0	0101-14 Graphic 0102-1 0102-2 0102-3 0102-4 0102-5 0102-5 0102-6 0102-7 0102-8 0102-9	Pipe Notes Shuce valve (gate valve) Valve ID Networks Svatems Valve material	÷				required	No records have been kept at a
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Graphic 0102-1 0102-2 0102-3 0102-4 0102-5 0102-5 0102-7 0102-8 0102-9	Sluice valve (gate valve) Valve ID Networks Systems Valve material	•				required	
0102	0102-2 0102-3 0102-4 0102-5 0102-6 0102-7 0102-8 0102-9	Networks Systems Valve material	•				required	
0102	0102-2 0102-3 0102-4 0102-5 0102-6 0102-7 0102-8 0102-9	Networks Systems Valve material	•				required	
0102	0102-4 0102-5 0102-6 0102-7 0102-8 0102-9	Valve material		1			required	
0102	0102-4 0102-5 0102-6 0102-7 0102-8 0102-9	Valve material	•	1			required	
0103	0102-6 0102-7 0102-8 0102-9	Valve size	•	[			required	
0103	0102-7 0102-8 0102-9		•	ļ			required	
0103	0102-8 0102-9	Depth		ļ	•		required	
0103	0102-9	Direction of turn	•				required	
0103		Valve status	•				required	
0103		Date of Installation					required	
0103		Date of last maintenance Valve Notes					required required	
0103		Valve Notes Hydrant	- :				required	
0103	0103.1	Hydrant ID			•		required	
0103		Networks	•				required	
0103	0103-3	Systems					required	
	0103-4	Hydrant type	•				required	
	0103-5	Hydrant diameters	•				required	
1	0103-6	Date of Installation	•				required	
1	0103-7	Last maintenance Date				٠	required	No records have been kept at
	0103-8	Hydrant Notes	•					
-	Graphic	Air valve	•				required	
	0104-1	Air Valve ID			•		required	
	0104-2	Networks	•				required	
0104	0104-3	Systems Air Valve size	•				required	
		Date of Installation					required required	
ŀ	0104-5	Last maintenance Date					required	No records have been kept at
		Air Valve Notes				· · · ·	required	The recently larte occur keps in
1	Graphic	Water pipe bridge			•		required	
t i	0105-1	ID			•		required	
1	0105-2	Length		1	•		required	
0105	0105-3	Pipe material		1	٠		required	
- 0	0105-4	Last maintenance Date		[		•	required	
L	0105-5	Bridge Name				٠	-	
		Bridge material				•	-	
1	Graphic	Sewer Manholes			•		required	
-	0106-1	Sequential number				•		
	0106-2	Distribution System number				• •	required	
-	0105-3	Distribution System name Distribution System location				:	required required	
-	0105-5	Distribution System location Distribution System code					required	
	0106-6	SSYSAC				•	required	
		SSYSLINENO				•	required	
1	0106-8	SMH number				•	required	
1	0106-9	SMH_type				٠	required	
10	0105-10	SMH IL				•	required	
10	0106-11	SMH_RL				•	required	
6	0105-12	SMH size				•	required	
10	0106-13	SMH_date				•	required	
14	Graphie	Sewer Pipelines Sequential number		ļ	•		required	
L.	0107-1	Sequential number		ļ		•		
	0107-2	Distribution System number				•	required	
	0107-3	Distribution System name		ļ		•	required	
Ļ.	0107-4	Distribution System location		ļ		•	required	
ļ.	0107-5	Distribution System code			l	•	required	
+	0107-6	SSYSAC				•	required	
		SSYSLINENO				•	required	
-	0107-8	SP_NO				•	required	
0107		Sewer Pipe Length SP SIL				•	required required	
407 [C	0102 12	SP_EIL SP_EIL						

	No.	GIS subject		Progress o	f Database		Frequency	Remarks
	NO.	GIS Subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
2022		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				٠	Daily / Monthly	
	0405-2	Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey		· · · · · · · · · · · · · · · · · · ·		•	Daily / Monthly	
	0405-4	Source name				٠	Daily / Monthly	
D405	0405-5	Source Type				•	Daily / Monthly	
0405	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				٠	Daily / Monthly	
	0405-8	Flow Rate (L/s)				٠	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)				٠	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
2222		5. Customer's information				00000000		
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's rame	•				Daily	
0501	0405-3	House ID			•		Daily	
0501	0405-4	Type Of Account	•				Daily	
	0405-5	Boundary of plot (land)			•		required	
		Customer's status	•				Daily	
	*1:	The term of "Required" indicates the irregular	update work.					
		For example, such as "updating, if ten informa	tion sheets accum	ulate."				
		Since it is an ambiguous definition, SW and JI	CA expert team w	ill discuss ar	d decide cle	sarly from n	ow on	

Since it is an ambiguous definition, SW and And it will indicate by an operation manual

		Vava	ea Ride	e Input	item of	GIS		
]	No.	GIS subject		Progress o Ongoing	f Database	No data	Frequency of update(*1)	Remarks
	0107.12	SP ACV	Opuated	Ongoing	Not yet	•	required	
	0107-13	Sewer Pipe diameters				•	required	
	0107-14	SP_TYPE				•	required	
	0107-15	SP MAKE				•	required	
	0107-16	SP_DATE SP_SLOPE				•	required	
	0107-17	SP_SLOPE				•	required	
	10107 - 18	SP CONNO				•	required	
	0107-19	SP_CONNEC SP_LINK				•	required	
	0107-20	SP_LINK				•	required	
	Graphic	Leakage location	:				Daily	
	0201-1	10 1	:				Daily Daily	
	0201-2	Leakage Type Status of Leak					Daily	
	0201-3	Location					Daily	
0201	0201-5	Condition	•				Daily	
	0201-6	Condition Asset type Asset Size				•	required	
	0201-7	Aaset Size				•	required	
	0201-8	Asset Material				•	required	
	0201-9	Asset Material Date of survey	٠				Daily	
	Graphic	Flow meters	•				required	
	0301-1	ID			•		required	
	0301-2	Networks Systems				•	required	
	u301-3	Systems				•	required	
0301						•	required	
	0301-5	Size Date of Installation				•	required required	
	0301-0	Last maintenance Date						
	0301-8	Last mailennance Date					required required	
	0301-9	Logging Flow meter Notes				•	required	
	Graphic	Feeder pipes (service pipes)			•		required	
0302	0302-1	PipeID			•		required	
0302	0302-2	Pipe material			•		required	
	0302-3	Pipe material Pipe size			٠		required	
	Graphic	Water meter	•				Daily	
	0303-1	HouseID	•				Daily	
	0303-2	Customer's Name	•				Daily	
	0303-3	MeterID	•				Daily	
0303	0303-4	Status of Meter (whether working, buried etc)	•					
	0303-5	Manufacturer Size of Møter	:					
	0303-7	Date of Installation						
	0303-8	Lot Number	•					
	0303-9	Lot Number Comments	•					
		2. Water Source information						
	Graphie	Bore holes			•		required	
	0401-1	Borehole ID Borehole Type				•	-	
	0401-2	Borehole Type				•	-	
	0401-3	Well depth(m)			•		required	
	0401-4	Head Head Max				:	-	
	0401-5	Penny ID Location Minufacturetre Serial No				·····		
	0401-0	Location					required	
0401	0401-8	Manufacturerre					required	
	0401-9	Serial No				•	-	
						•	required	
	0401-11	Static Water Level Dynamic Water Level				•	required	
	0401-12	Dynamic Water Level	I			•	required	
	0401-13	Date of Pump Installed	ļ			•	required	
		Date of last maintenance				•	required	
	0401-15 0401-16	Age				•	required	
						•	required	
	Genela	3. Pump Station information				<u></u>	convinced.	
	0402-1	Pump station Station ID					required	
	0402-2	Unit name			•		required	
	0402-3	Station type	t			•	required	
0402	0402-4	Station type Location	1			•	required	
	0402-5	Age				•	required	
						•	required	
	0402-7	Power Usage (KWh)				•	required	
		Number of pump			•		required	
<u></u>		4. Service reservoir information	passa da		0.0000000	personalit.		
	Graphic	Service reservoir			•		required	
	0403-1	Service reservoir name Structure of service reservoirs			•			
0403		Structure of service reservoirs Elevation of service reservoirs			:		raumad	
0403	0403-4	Elevation of service reservoirs Capacity of service reservoir			····:		required required	
	0403-5	H.W.L, L.W.L					required	
	0403-6	Date of last maintenance				•	required	
0404	Graphic	Distribution area of source			•		required	
0404	0404-1	Area name			•		required	

Vavaea_Ridge Input item of GIS

	No.	GIS subject		Progress o	f Database	•	Frequency	
	NO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
222		6. Other informations		1000000000				
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
	0405-4	Source name				•	Daily / Monthly	
0405	0405-5	Source Type				•	Daily / Monthly	
	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				٠	Daily / Monthly	
	0405-8	Flow Rate (L/s)				٠	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
		5. Customer's information		000000000		000000000		
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
1501	0405-3	House ID			•		Daily	
5501	0405-4	Type Of Account				٠	Daily	
	0405-5	Boundary of plot (land)		[	•		required	
	0405-6	Customer's status	•				Daily	
	*1:	The term of "Required" indicates the irregular						
		For example, such as "updating, if ten informat	tion sheets accum	ilate."				

r-vo example, such as upporting, it cen information sheets accumulate." Since it is an ambiguous definition, SW and IICA expert team will discuss and decide clearly from now en. And it will indicate by an operation manual.

	No.	GIS subject		Progress o	f Database		Frequency	Remarks
	NO.		Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
222		1. Distribution Facility information		20000000				
	Graphic	Water distribution pipes	•				required	
	0101-1	Pipe ID	•				required	
	0101-2	Networks	•				required	
	0101-3	Systems Pipe material	•				required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•				required	
			•				required	
0101	0101-7	Pipe Depth Pipe Use Completion year				•	required	
	0101-8	Pipe Use	•				required	
	0101-9	Completion year		•			required	
	0101-10	Date of last maintenance				•		
	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at al
	0101-12	Date of Repairing				•	required	No records have been kept at al
	0101-13	Date of Leakage detection			•		required	
	0101-14	Pipe Notes	•					
	Graphic	Shiice valve (gate valve)	•				required	
	0102-1	Valve ID	•				required	
	i 0102-2	Networks					required	
	0102-3	Systems					required	
	0102-4	Valve material	•				required	
2010	0102-5	Valve size	•				required	
	0102-6	Depth Direction of turn		ļ	•		required	
	0102-7	Direction of turn	•	ļ			required	
	0102-8	Valve status	•	ļ			required	
	0102-9	Date of Installation	•	L			required	
	0102-10	Date of last maintenance	•	Ι			required	
	0102-11	Valve Notes	•				required	
	Graphic	Hydrant	•				required	
	0103-1	Hydrant ID			•		required	
	0103-2	Networks	•	1			required	
	0103-3	Networks Systems	•	1			required	
0103	0103-4	Hydrant type	•	1			required	
	0103-5	Hydrant diameters	•	1			required	
	0103-6	Date of Installation	•	1			required	
	0103-7	Last maintenance Date Hydrant Notes		1		•	required	No records have been kept at al
	0103-8	Hydrant Notes	•	1				
	Graphic	Air valve	•				required	
	0104-1	Air Valve ID		1	٠		required	
	0104-2	Networks	•	1			required	
104	0104-3	Networks Systems	•				required	
0104	0104-4	Air Valve size	•				required	
	0104-5	Date of Installation	•				required	
	0104-6	Last maintenance Date				•	required	No records have been kept at al
	0104-7	Air Valve Notes	•				required	
	Graphic	Water pipe bridge			•		required	
	0105-1	ID			•		required	
	0105-2	Length Pipe material Last maintenance Date			•		required	
0105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date				•	required	
	0105-5	Bridge Name				•	-	
	0105-6	Bridge material				•		
	Graphic	Sewer Manholes			•		required	
	0106-1	Sequential number Distribution System number		ļ		•	-	
	0105-2	Distribution System number				•	required	
	0106-3	Distribution System name				•	required	
	0106-4	Distribution System location		ļ		•	required	
	0106-5	Distribution System code SSYSAC		ļ		•	required	
0106	0106-6	SSYSAC		ļ		•	required	
0	0106-7	SSYSLINENO		1		•	required	
	0106-8	SMIH_mumber		ļ		•	required	
	0105-9	SMH_type		ļ		•	required	
	0106-10	SMH IL				•	required	
	0106-11	SMH_RL	I			•	required	
	0106-12	SMH_size	I			•	required	
_	0106-13	SMH_date				٠	required	
	Graphic	Sewer Pipelines Sequential number			•		required	
	0107-1	Sequential number	I	1		•	-	
	0107-2	Distribution System number				•	required	
	0107-3	Distribution System name		1		•	required	
	0107-4	Distribution System location				•	required	
	0107-5	Distribution System code		1		•	required	
	0107-6	SSYSAC		r		•	required	
	0107-7	SSYSLINENO		1		•	required	
	0107-8	SP NO		1		•	required	
	0107-9	Sewer Pipe Length		1		•	required	
0107	0107-10	Sewer Pipe Length SP_SIL		1		•	required	
		SP EIL		þ		·	required	

		1	bokona	Progress	of Database		Frequency	
	No.	GIS subject	Undated	Ongoing		No data	of update(*1)	Remarks
	10107-12	SP ACV	Cputted	ongoing	1.00700	•	required	
		Sewer Pipe diameters				•	required	
	0107-14	SP TYPE		1		•	required	
	0107-15	SP MAKE				•	required	
	0107-16	SP DATE				•	required	
	10107 17	SP DATE SP SLOPE				•	required	
	0107-17	SP_CONNO				÷	required	
	0103-18	ar conno				÷		
	0107-19	SP_CONNEC SP_LINK				•	required	
	0100-20	SP_LINK		<u> </u>		•	required	
	Graphic	Leakage location	•				Daily	
	0201-1	ID	•				Daily	
	0201-2	Leakage Type	•				Daily	
	0201-3	Status of Leak	•	ļ			Daily	
0201	0201-4	Location	•				Daily	
	0201-5	Condition	•				Daily	
						٠	required	
	0201-7	Asset Size		1		٠	required	
	0201-8	Asset Material		1		٠	required	
	0201-9	Date of survey	•	1			Daily	
	Graphic	Flow meters					required	
	0301-1	ID		<u> </u>	•		required	
	0301.2	Networks				•	required	
	0301 3	Systems				•	required	
	0301 4	Location		t		÷		
0301	0301-4	Cons.		h	•		required	
	0301-5	Dize					required	
	0.901-6	Date of Installation Last maintenance Date				•	required	
	0301-7	Last maintenance Date		ļ		•	required	
	0301-8	Logging		ļ		٠	required	
		Flow meter Notes				•	required	
	Graphic	Feeder pipes (service pipes)			•		required	
0302	0302-1	PipeID			•		required	
0.002	0302-2	Pipe material			•		required	
	0302-3	Pipe size		Γ	•		required	
	Graphic	Water meter	•				Daily	
	0303-1	HouseID	•	1			Daily	
	0303-2	Customer's Name	•				Daily	
	0303-3	MeterID	•	<u> </u>			Daily	
	0303.4	Status of Meter (whether working, buried etc)	•					
0303	0202 5	Manufacturer	•					
	0303-6	Size of Meter						
	0303-0	Date of Installation						
	0303-7	Late of inscalation						
	0303-8	Lot Number				•		
	1 0303-9	Comments						
	1	2. Water Source information						
	Grapine	Bore holes			•		required	
	0401-1	Borehole ID				•	-	
	0401-2	Borehole Type				•		
	0401-3	Well depth(m)			•		required	
	1 0401-4	Head		L		٠	-	
	0401-5	Head Max				٠	-	
	0401-6	Pump ID		1		٠	-	
	0401-7	Location				٠	required	
0401	0401-7	Location Manufacturerre				:	required	
0401	0401-8	Manufacturerre					required	
5401	0401-8	Manufacturerre Serial No				٠	-	
0401	0401-8 0401-9 0401-10	Manufacturerre Serial No Flow Rate				:	required	
5401	0401-8 0401-9 0401-10 0401-11	Mansfacturerre Serial No Flow Rate Static Water Level				:	required required	
0401	0401-8 0401-9 0401-10 0401-11 0401-12	Manufacturere Serial No Flow Rate Static Water Level Dynamic Water Level				*	required required required	
5401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13	Marafiacturere Seriel No Flow Rate Static Water Level Dynamic Water Level Date of Pump Installed				• • •	required required required required	
3401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14	Maruficturere Serial No Flow Rate Static Water Level Dynamic Water Level Date of Pump Installed Date of Pump Installed Date of Ist maintenance				•	required required required required required required	
5401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15	Marafacturere Serial No Flow Rate Static Water Level Dramaic Water Level Date of Pump Installed Date of Ist maintenance Age				• • • •	required required required required required required	
0401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16	Marafacturerre Serial No. Flow Rate Static Water Level Date of Pump Installed Date of Jata maniterance Age Seria				•	required required required required required required	
0401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16	Marafichturere Serial No Flow Rate Smite Wate Level Dynamic Water Level Date of Dump Installed Date of Data mainterance Age Satus Satus Satus Satus				• • • •	required required required required required required required	
5401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16	Marafichurere Serial No Fixw Rate Satice Wate Level Dynamic Wate Level Date of Pump Installed Date of Date maniference Date of Date maniference Date of Date maniference Satism <b>3. Pump Station information</b>	•		50000000000		required required required required required required required required	
5401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-13 0401-14 0401-15 0401-16 Oraphic 0402-1	Manufacturere Sorial No Flow Rate Sorial No Data of Deep Level Data of Data Intaliade Data of Data Intaliade Data of Santa Intaliade Data Santa Sonta Sonta Sonta Santa Santa Santa Santa Pamp station Sonta D	•			• • • •	required required required required required required required required required	
3401	0401-8 0401-9 0401-10 0401-11 0401-12 0401-12 0401-13 0401-14 0401-15 0401-16 0401-16 0402-1 0402-1	Manufacturere Serial No Flow Rate Sarial No Based Twen (Level Dynamic Water Level Date of Trang Installed Date of The Installed Date of The Installed Date of Level Agen Saria Date of Level Sation ID Uatr nume	•		500000000		required required required required required required required required required	
	0401-8 0401-9 0401-10 0401-11 0401-12 0401-12 0401-13 0401-14 0401-15 0401-16 0401-16 0402-1 0402-2 0402-2	Manufacturere Serial No Plew Rate Description of the series Date of Harmanierence Age Status 3. Jung Skilon information Phang sation Unit name Status per Status Status Status Unit name			5000000000	• • • • • • • • • • • • • • • • • • • •	required required required required required required required required required	
	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16 0401-16 0401-16 0402-1 0402-2 0402-2 0402-3 0402-4	Manufacturere Service Normannessen Service News Level Date of Persump Instituted Date of Level Date of Level Date of Level Date of Level Date of Level Age Age Age Age Age Age Age Age Age Age					required required required required required required required required required	
	0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-13 0401-15 10401-16 0402-1 0402-1 0402-2 0402-2 0402-2 0402-4 0402-4	Manufacturere Senal No Flow Kate Senal No Senal Vent Level Sena Vent Level Date of Iway Installed Date of Iway Installed Date of Iway Installed Date of Iway Iway Senta Senta Senta Date of Date of Iway Date of Date of Iway Network I Date of Iway Location years Network I Date of Iway Location years				• • • • • • • • • • • • • • • • • • • •	required required required required required required required required required required	
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Mbokona Input item of GIS

,	No	GIS subject		Progress of	f Database	8	Frequency	Remarks
	NO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
	0405-4	Source name				•	Daily / Monthly	
1	0405-5	Source Type				٠	Daily / Monthly	
	0405-6	Catchment condition				٠	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
	0405-8	Flow Rate (L/s)				٠	Daily / Monthly	
	0405-9	Flow Rate (L/s) Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)					Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
		5. Customer's information						
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
501	0405-3	House ID			•		Daily	
SOL	0405-4	Type Of Account				•	Daily	
	0405-5	Boundary of plot (land)			•	[	required	
	0405-6	Customer's status	•			1	Daily	

	No	CIEkit		Progress o	of Database	t .	Frequency	Remarks
	NO.	GIS subject	Updated	Ongoing			of update(*1)	Remarks
222		1. Distribution Facility information						
	Graphic	Water distribution pipes	•				required	
		Pipe ID	•				required	
	0101-2	Networks	•				required	
	0101-3	Systems	•				required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•				required	
	0101-6	Pipe length	•				required	
101	0101-7	Pipe Depth				•	required	
	0101-8	Pipe Use Completion year	•				required	
	0101-9	Completion year		•			required	
	0101-10	Date of last maintenance				•		
	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at
	0101-12	Date of Repairing				•	required	No records have been kept at
	0101-13	Date of Leakage detection Pipe Notes			•		required	
			•					
	Graphic	Shice valve (gate valve)	•				required	
	0102-1	Valve ID					required	
	0102-2	Networks Systems					required	
			•				required	
		Valve material Valve size					required	
102	0102-5	Valve size	••••				required	
	0102-6 0102-7	Depth Dimetion of term	•		•		required	
	0102-/	Direction of turn Valve status	:	l	l		required	
		Date of Installation					required	
	0102-9	Date of Installation Date of last maintenance		h			required	
		Valve Notes		h			required required	
	Chambin	Valve rooes Hydrant						
	0102.1	Hydrant ID					required	
		Networks	· · ·		· · · · ·		required	
	0103-3	Systems					required required	
103	0103-3	Hydrant type						
105		Hydrant diameters					required	
		Date of Installation					required required	
	0103-7	Last maintenance Date						No records have been kept at
		Hydrant Notes				·	required	NO RECORDS HAVE OPEN KEPE AT
		Air valve					en and a second	
	0104.1	Air Valve ID			•		required required	
	0104-2	Networks	•				required	
	0104.3	Systems					required	
104	0104-4	Air Valve size					required	
	0104-5	Date of Installation	•				required	
		Last maintenance Date				•	required	No records have been kept at
	0104-7	Air Valve Notes	•				required	
		Water pipe bridge			•		required	
	0105-1	ID			•		required	
	0105-2	Length			•		required	
105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date				•	required	
	0105-5	Bridge Name				•	-	
	0105-6	Bridge material				•	-	
_	Graphic	Sewer Manholes			•		required	
	0106-1	Sequential number		1	1	•	-	
		Distribution System number	1		I	•	required	
		Distribution System name		Γ		•	required	
	0106-4	Distribution System location	I			•	required	
	0106-5	Distribution System code				•	required	
106	0106-6	SSYSAC		ſ	[	•	required	
:00	0106-7	SSYSLINENO	1	ſ	I	•	required	
	0106-8	SMH_manber		L	1	•	required	
	0106-9	SMH type	I	L	1	•	required	
	0106-10	SMH II.	I	[		•	required	
	0106-11	SMH_RL	I			•	required	
	0106-12	SMH_size	I	1		•	required	
	0106-13	SMH_date				•	required	
	Graphic	Sewer Pipelines			•		required	
	0107-1	Sequential number		ļ		•	-	
	0107-2	Distribution System number		ļ		•	required	
	0107-3	Distribution System name				•	required	
	0107-4	Distribution System location				•	required	
	0107-5	Distribution System code		[		•	required	
	0107-6	SSYSAC		1		•	required	
	0107-7	SSYSLINENO	I	L	1	•	required	
	0107-8	SP_NO	I	1	1	•	required	
	0107-9	Sewer Pipe Length	I	L	1	•	required	
107	0107-10	SP_SIL	I	L	1	•	required	
		SP EIL					required	

	No.	GIS subject		Progress o			Frequency	Remarks
			Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
	0107-12	SP_ACV				•	required	
	0107-13	Sewer Pipe diameters				•	required	
	0107-14	SP_TYPE				•	required	
	0107-15	SP_MAKE				•	required	
	0107-16	SP_MAKE SP_DATE				•	required	
	$\pm 0107 - 17$	SP SLOPE		1		•	required	
	0107-18	SP_CONNO SP_CONNEC				•	required	
	0107-19	SP CONNEC		1		•	required	
	0107-20	SP LINK				•	required	
	Graphic	Leakage location ID	•				Daily	
	0201-1	ID	•				Daily	
	0201-2	Leakage Type	•				Daily	
			•				Daily	
	0201-4	Location Condition	•				Daily	
201	0201-5	Condition	•				Daily	
	0201-6	Asset type				•	required	
	0201 7	Asset Size				•	required	
	0201 8	Assat Matarial				•	required	
	0201-0	Asset Material Date of survey	•			·	Daily	
_	Combin	Date of survey						
	orapane	Flow meters		h			required	
	0301-1	ID Networks			•	•	required	
	0301-2	INERWORKS					required	
	0301-3	Systems				•	required	
301	0301-4	Location	+			•	required	
	0301-5	5120	+	ļ	•		required	
	0301-6	Size Date of Installation		ļ		•	required	
						•	required	
	0301-8	Logging Flow meter Notes		ļ		•	required	
	0301-9	Flow meter Notes				•	required	
	Graphic	Feeder pipes (service pipes)			•		required	
302	0302-1	PipeID			•		required	
1502	0302-2	Pipe material			•		required	
	0302-3	Pipe size			•		required	
	Graphic	Water meter	•				Daily	
	0303-1	HouseID	•	1			Daily	
	0303-7	Opstomer's Name	•				Daily	
	0303-3	MeterID	•				Daily	
	0303-4	Status of Meter (whether working, buried etc)	•					
303	0303.5	Manufacturer	•					
	0303-6	Size of Meter	•					
	0303-0	Date of Installation						
	0303-7	Lot Number						
	0302.0	Comments						
000	10000-0	2. Water Source information	00000000	00000000				
		Bore holes					required	
	0401.1	Borehole ID				•	required	
	0401 2	Bandada Toma						
	0401-2					•		
	0401-2	Borehole Type Well depth(m)			•		required	
	0401-4	Head			•	•	required	
	0401-4	Head Head Max			•	•		
	0401-4	Head Head Max			•	:	-	
	0401-4 0401-5 0401-6 0401-7	Head Head Max Pump ID Location			•	•		
401	0401-4 0401-5 0401-6 0401-7 0401-8	Head Max Head Max Pump ID Location Manufacturerre			•	•	-	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9	Head Head Max Promp ID Location Marufacturerre Serial No			•	•	required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10	Head M Head Max Promp D Location Manufacturerre Serial No Flow Rate			•	*	required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11	Head Head Max Head Max Doeston Maradictureere Settal No Flow Rate Satte Water Level			•	•	required required required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12	Head Max Head Max Pranp ID Location Manafacturere Serial No Flow Rate Statis Water Level Donamic Water Level			•	*	required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13	Head Max Head Max Pamp ID Location Manafacturere Serial No Flow Rate Static Water Level Dynamic Water Level Dynamic Water Level Date of Phymp Intalled			•	•	required required required required required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14	Head Head Max Pamp ID Location Manufacturere Serial No. Pame West Lowel Douts of Pamp Installed Date of Pamp Installed			•		required required required required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15	Head Max Head Max Pamp ID Location Manafachurere Serial No Flow Rate Static Water Level Dynamis Water Level Dynamis Water Level Date of Phys Platalled Date of Date manterrance Age			•		required required required required required required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-10 0401-12 0401-13 0401-13 0401-14 0401-15 0401-14	Head Head Max Fung-ID Location Location Social No. 4 Description Description Social No. 4 Description			•		required required required required required required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-10 0401-11 0401-12 0401-14 0401-15 0401-16	Head Head Max Pamp ID Marandacharene Senah No Pow Bane Santa Ware Level Date of Promy Insulied Date of Level Date			•		required required required required required required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-15 0401-15	Head Manashi Head Manashi Head Manashi Jacothum Senal No Pose Lates under senal Downing Work Level Downing Work Level Date of Pomp Intuilled Date of Det municipation Date of Deta municipation Date of Deta municipation Date of Deta municipation Deta data and the senal Deta data and the sena	•		•		required required required required required required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-9 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16 Graphic 0402-1	Head Head Max Head Max Prany, ID Automatic Aut			•		required required required required required required required required	
401	0401-4 0401-5 0401-6 0401-7 0401-8 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16 Graphic 0402-1 0402-2	Head Head Xua Head Xua Pang Da Yang Yang Yang Yang Yang Yang Yang Yang			•		required required required required required required required required	
	0401-4 0401-5 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-15 0401-15 0401-16 Graphic 0402-2 0402-2 0402-3	Head Head Max Head Max Parep: ID Location Teamp: ID Location Sends Nos Pow Base Sends Nos Pow Base Date of Pare Jone Sends Nos Sends Date Date Sends	•		•		required required required required required required required required required required required	
	0401-4 0401-5 0401-7 0401-7 0401-8 0401-9 0401-18 0401-19 0401-12 0401-13 0401-14 0401-15 0401-16 0401-16 0402-1 0402-2 0402-3 0402-3	Heid Heid Heid Max Heid Max Prop ID Monitorheuxes Senai No Fore State Senai No Fore State Sante Mare Level Date of Programs Date of Level Date of Programs State Age State Mare	•		•		required required required required required required required required required required	
	0401-4 0401-5 0401-5 0401-6 0401-9 0401-9 0401-10 0401-12 0401-12 0401-13 0401-15 0401-15 0401-16 0401-15 0401-16 0402-1 0402-1 0402-3 0402-4	Head Mon Head Mon Head MD Location Monadatharees Seral No Pore kate under Downer Work Level Downer Work Level Downer Work Level Downer Work Level Downer Work Level Downer Work Level Date of the number Net of Pore phradial Date of the number Net of Despination Phony autoon Station ID User ranse Station ID User ranse Station US	•		•		required required required required required required required required required required required required	
401	0401-4 0401-5 0401-6 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-13 0401-13 0401-14 0401-15 0401-15 0401-15 0402-12 0402-2 0402-3 0402-3	Head Head Max Head Head Head Head Head Head Head Head	•		•		required required required required required required required required required required required required	
	0401-4 0401-5 0401-6 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-13 0401-13 0401-14 0401-15 0401-15 0401-15 0402-12 0402-2 0402-3 0402-3	Head Head Max Head Head Head Head Head Head Head Head	•		•		required required required required required required required required required required required required required required	
	0401-4 0401-5 0401-6 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-13 0401-15 0401-15 0401-15 0401-16 0401-12 0401-12 0401-12 0401-1 0401-10 0402-1 0402-2 0402-3 0402-4 0402-5	Head Head Xian Paop 20 Anap 20 Senal No. Pow Jane Control (20 Senal No. Pow Jane Control (20 Sena Xian (20 Sena Xian (20 Sena Xian (20)) Anap 20 Sena Silvion Information Station ID Use at manuferration Station Type Licetion	•		•		required required required required required required required required required required required required required required required required	
	0401-4 0401-5 0401-6 0401-6 0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-14 0401-15 0401-14 0401-16 0402-1 0402-2 0402-3 0402-4 0402-7 0402-2 0402-3	Head Head Head Head Head Head Head Head	•		•		required required required required required required required required required required required required required required	
	0401-4 0401-5 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-10 0401-11 0401-11 0401-13 0401-13 0401-13 0401-14 0401-15 0401-16 0401-15 0401-16 0402-2 0402-2 0402-3 0402-3 0402-4 0402-3 0402-4	Head Head Xas Head Xas Parep ID Head ID	•		•		required required required required required required required required required required required required required	
	0401-4 0401-5 0401-5 0401-6 0401-7 0401-8 0401-9 0401-10 0401-10 0401-11 0401-11 0401-13 0401-13 0401-13 0401-14 0401-15 0401-16 0401-15 0401-16 0402-2 0402-2 0402-3 0402-3 0402-4 0402-3 0402-4	Head Head Xas Head Xas Parep ID Head ID	•		•		required required required required required required required required required required required required required required required required	
	0401-4 0401-5 0401-5 0401-7 0401-8 0401-9 0401-10 0401-10 0401-10 0401-12 0401-13 0401-13 0401-14 0401-14 0401-14 0401-15 0401-15 0401-15 0401-16 0401-17 0402-2 0402-7 0402-2 0402-3 0402-4 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 04	Head Head Max Head Head Head Head Head Head Head Head	•		•		required required required required required required required required required required required required required	
4402	0401-4 0401-5 0401-5 0401-7 0401-8 0401-8 0401-10 0401-10 0401-10 0401-11 0401-13 0401-13 0401-13 0401-13 0401-13 0401-13 0401-14 0402-1 0402-1 0402-2 0402-3 0402-4 0402-3 0402-4 0402-5 0402-5 0402-8 0402-8	Head Head Xuan Head Head Head Head Head Head Head Head	•		:		required required required required required required required required required required required required required required required required required required	
4402	0401-4 0401-5 0401-6 0401-7 0401-8 0401-8 0401-10 0401-10 0401-10 0401-10 0401-13 0401-15 0401-15 0401-15 0401-15 0401-16 0402-1 0402-1 0402-2 0402-4 0402-3 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402	Head Head Max Head Head Head Head Head Head Head Head	•		•		required required required required required required required required required required required required required required required required required required required	
402	0401-4 0401-5 0401-5 0401-7 0401-8 0401-1 0401-8 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0402-3 0402-3 0402-4 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8 0402-8	Head Head Xas Head Xas Head Xas Head Xas Parep 2D Head Xas Parep 2D Head Xas Head Xa	•		•		required required required required required required required required required required required required required required required required required required required required required	
4402	0401-4 0401-5 0401-5 0401-5 0401-8 0401-8 0401-8 0401-8 0401-8 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 04001-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0401-5 0	Head Median Head No Head No Head No Location Nonadoctores Serial No Pose Inter enter Dynamics Work Level Dynamics Work Level Date of Pomp Installed Date of Heat numbers Page Series Series ID Pomp Installed Page Series Date of the Installed Page Series Date of the Installed Age Series Series ID Number of comp Installed Number of comp Installed Number of comp Installed Number of comp Installed Series Deserver Series Deserver Series Deserver Series Deserver Series Deserver Deser	•		:		required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required required req	
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Mbaranamba Input item of GIS

	No.	GIS subject		Progress o	f Database		Frequency	Remarks
	NO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
	0405-4	Source name				•	Daily / Monthly	
0405	0405-5	Source Type				•	Daily / Monthly	
	0405-6	Catchment condition				•	Daily / Monthly	
		Catchment area(Hectares)				•	Daily / Monthly	
		Flow Rate (L/s)				•	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
		5. Customer's information						
		Customer ID	•				Daily	
		Customer's name	•				Daily	
0501		House ID			•		Daily	
		Type Of Account	•				Daily	
	0405-5	Boundary of plot (land)			•		required	
		Customer's status	•				Daily	
	*1:	The term of "Required" indicates the irregular updat						
		For example, such as 'updating, if ten information si	heets accum	.ilate."				

For example, such as "updating, if ten information sheets accumulate." Since it is an ambiguous definition, SW and JICA expert team will discuss and decide clearly from now on And it will indicate by an operation manual. Mbua Valley Input item of GIS

	No.	GIS subject		Progress of Ongoing			Frequency of update(*1)	Remarks
20000	0000000	1. Distribution Facility information	- puuteu	ongoing	1.04 / 04	1 to untu	of uponte( 1)	
	Graphic	Water distribution pipes	•				required	
	0101-1	Pipe ID	•	1			required	
	0101-2	Networks	•				required	
		Systems					required	
	0101 4	Pipe material						
	0101-4	r ipe naterial					required	
	0101-5	Pipe diameters Pipe length	•				required	
	0101-6	Fipe length			•		required	
0101	0101-7	Pipe Depth		L		•	required	
	0101-8	Pipe Use	•				required	
	0101-9	Completion year		[		•	required	No records have been kept at a
	0101-10	Date of last maintenance				•		
	0101-11	Date of Reolacement / Rehabilitation		I		•	required	No records have been kept at a
	0101-12	Date of Repairing				•	required	No records have been kept at a
	0101 13	Date of Leakage detection					required	
	0101.14	Pipe Notes	-					
-	Combin	Shice valve (gate valve)	-				required	
	Orapine	Situee valve (gate valve)			•			
	0102-1	Valve ID Networks			•		required	
	0102-2	Networks	•				required	
	0102-3	Systems	•	l	L		required	
	0102-4	Valve material			•		required	
1.02	0102-5	Valve size	1		•		required	
n 02	0102-6	Depth Direction of turn	T	r	•	1	required	
	0102-7	Direction of turn	1	î	•	[	required	
	0102-9	Valve status		t			required	
	0102-0	Date of Installation						
				h			required	
		Date of last maintenance		ļ		•	required	
_	0102-11	Valve Notes	•				required	
	Graphic	Hydrant Hydrant ID	•	L	L		required	
	0103-1	Hydrant ID			•		required	
	0103-2	Networks	•	[			required	
	0103-3	Systems		1			required	
01.03	0103-4	Hydrant type	•				required	
105	0102.5	Hydrant diameters						
	0105-5	riyarana diameters					required	
	0105-6	Date of Installation				•	required	
	0105-7	Last maintenance Date				•	required	No records have been kept at a
_		Hydrant Notes	•					
	Graphic	Air valve	•	I			required	
	0104-1	Air Valve ID			•		required	
	0104-2	Networks	•	[			required	
104	0104-3	Systems	•	[			required	
104	0104-4	Air Valve size	•				required	
	0104-5	Date of Installation				•	required	
	0104.6	Last maintenance Date				•	required	No records have been kept at a
	0104.7	Air Valve Notes	-			·····	required	The recent many recent kept in t
-	Constrict	Water nice builder	-					
	orapine	Water pipe bridge ID Length			•		required	
	0105-1	ID			•		required	
	0105-2	Length		l	•		required	
0105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date		[		•	required	
	0105-5	Bridze Name		1		•	-	
	0105-6	Bridge Name Bridge material	1	1		•	-	
-	Granhée	Sewer Manholes	1				required	
	GTUPARC 1	Sequential number		h			required	
	0106-1	Sequennan nümber				•		
	0106-2	Distribution System number				•	required	
	0106-3	Distribution System name		L		•	required	
	0105-4	Distribution System location Distribution System code	1	L	L	•	required	
	0105-5	Distribution System code	1			•	required	
106	0106-6	SSYSAC	1			•	required	
100	0106-7	SSYSLINENO	T	r	[	•	required	
		SMH mimber	1	î		•	required	
	0105-0	SMH type		t			required	
	0105-10	SMH IL		h				
	0100-10	SMH RL		h			required	
	0106-11	SNIT_KL		ļ		•	required	
	0106-12	SMH size		ļ		•	required	
		SMH_date				•	required	
	Graphic	Sewer Pipelines	1		•		required	
	0107-1	Sequential number	1	I		٠	-	
	0107-2	Distribution System number		ľ		•	required	
	0107-3	Distribution System number Distribution System name		î		•	required	
	0107-4	Distribution System location		t			required	
	0107-5	Particular System Readon		h			required	
	0107-5	Distribution System code	+			· · · ·	required	
	010/-6	SSYSAC	+	ļ		•	required	
		SSYSLINENO	1	1	L	•	required	
	0107-7							
	0107-7	SP_NO	1	[		•	required	
	0107-9	SSYSLINENO SP_NO Sewer Pipe Length				:		
107	0107-7 0107-8 0107-9 0107-10 0107-11	Sewer Pipe Length SP SIL				÷	required required required	

	No.	GIS subject		Progress o	f Database		Frequency	Remarks
			Updated	Ongoing	Not yet	No data	of update(*1)	Activat R3
	0107-12	SP_ACV				•	required	
	0107-13	Sewer Pipe diameters				•	required	
	0107-14	SP_TYPE SP_MAKE SP_DATE				•	required	
	0107-15	SP_MAKE				•	required	
	0107-16	SP_DATE				•	required	
	0107-17	SP SLOPE				•	required	
	0107-18	SP_CONNO SP_CONNEC		1		٠	required	
	0107-19	SP CONNEC		1		•	required	
	0107-20	SP LINK				•	required	
	Graphic	Leakage location	•				Daily	
	0201-1	ID Leskage Type	•				Daily	
	0201-2	Leakage Type	•				Daily	
			•				Daily	
	0201-4	Location Condition Asset type	•				Daily	
101	0201-5	Candition	•				Daily	
	0201-6	Azert Ime				•	required	
	0201 7	Asset Size				•	required	
		Asset Material				•	required	
	0201-8	Date of survey					required	
_	0.001-9	Date of survey					Daily	
	Graphic	Flow meters	•	ļ			required	
	0301-1	D		ļ	•		required	
	0301-2	Networks		ļ		•	required	
	0301-3	Systems		ļ		•	required	
01	0301-4	Location	_	ļ		•	required	
~	0301-5	Size	•	ļ			required	
	0301-6	Date of Installation Last maintenance Date				٠	required	
	0301-7	Last maintenance Date				٠	required	
	0301-8	Logging				•	required	
	0301-9	Flow meter Notes		1		•	required	
-	Graphic	Feeder pipes (service pipes)	•				required	
	0302.1	PipeID			•		required	
02	0302.2	Pipe material	•				required	
	0302-2	Pipe size					required	
-	0302-5	ripe size		-			required Daily	
	Graphic	Water meter HouseID	•					
	0303-1	HouseID			•		Daily	
	0303-2	Customer's Name	•				Daily	
	0303-3	MeterID	•				Daily	
03	0303-4	Status of Meter (whether working, buried etc)	•					
	0303-5	Manufacturer	•					
	0303-6	Size of Meter	•					
	0303-7	Date of Installation	•	1				
	0303-8	Lot Number	•					
	0303-9	Comments	•	1				
	0000000	2 Water Source information			00000000			
	Graphic	Bore holes Borehole ID	•				required	
	0401-1	Borehole ID	1	1		٠	-	
	0401-2	Borehole Type				٠	-	
	0401-3	Well depth(m)			•		required	
	0401-4	Head Head Max				•	-	
	0401 5	Hard May				•		
	0401-5	Pump ID						
	0401-6	r unip 12/				:		
101	0401=/	Location		h			required	
101	0401-8	Manufacturerre		ļ		•		l
	0401-9	Serial No		ļ		•	-	
	0401-10	Flow Rate		ļ		•	required	
	0401-11	Static Water Level		ļ		•	required	
	0401-12	Dynamic Water Level		ļ		•	required	
	0401-13	Date of Pump Installed				•	required	
	0401-14	Date of last maintenance	1	L		•	required	
	0401-15	Age	1	1		•	required	
	0401-16	Status				•	required	
88		3. Pump Station information					100000000000000000000000000000000000000	
	Graphie	Prmp station	•				required	
	0402-1	Station ID Unit name		T		•	-	
	0402-2	Unit name	•	1			required	
	0402-3	Station type		1		•	required	
102	0402-4	Location		1		•	required	
	0402-5	Ace		h		÷	required	
	0402-6	Shatar	-+	t		•	required	I
		Power Usage (KWh)		h			required	
	0402=/	Down Conge (K.WIU			•	·····	required	
	1 0402-8	Number of pump					required	
66		4. Service reservoir information	S 1999 2093	100000000	035555	0000000		
	Graphic	Service reservoir	•	ļ			required	
	0403-1	Service reservor name	•	ļ				
	0403-2	Structure of service reservoirs			٠		-	l
		Elevation of service reservoirs	1	1	٠		required	
03	0403-3							
03	0403-3	Capacity of service reservoir	-		•			
03	0403-3	Capacity of service reservoir			•		required	
03	0403-3 0403-4 0403-5	Capacity of service reservoir H.W.L, L.W.L				•	required required	
103	0403-3 0403-4 0403-5 0403-6	Capacity of service reservoir			•	•	required	

	NT -		ahai Kukur	Progress o			Frequency	n. 1
	No.	GIS subject	Undated	Ongoing				Remarks
000	0000000	1. Distribution Facility information	eputtu	ongoing	1.04 / 44		of update( 1)	
	Graphic	Water distribution pipes	•				required	
		Pipe ID	•	1		1	required	
	0101-2	Networks	•			1	required	
	0101-3	Systems	•				required	
		Pipe material	•				required	
	0101-5	Pine diameters	•				required	
	0101-6	Pipe length Pipe Depth				h	required	
101	0101-7	Pine Depth				•	required	
	0101-8	Pipe Use	•				required	
	0101-0	Completion year				•	required	No records have been kept at a
	0101-10	Date of last maintenance				•	roquiros	the reserve many court maps or a
	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at a
	0101 12	Date of Repairing					required	No records have been kept at a
	0101 13	Date of Leakage detection			•		required	to records have esent keps in a
	0101 14	Pipe Notes	•				required	
	Graphia	Shina valva (anta valva)					required	
	0102.1	Shiice valve (gate valve) Valve ID					required	
	0102-2	Networks	•					
	0102-2	Systems					required required	
	0102-3	Valve material					required	
		Valve size					required	
0102	0102-6	Darsh					required	
	0102-0	Direction of turn					required	
		Valve status		h				
	0102-8	Date of Installation					required	
	0102-9	Date of Installation Date of last maintenance					required required	
	0102-10	Valve Notes						
		Valve Notes Hydrant					required	
	Grapene	Hydrant ID					required	
	0103-1	Hydrarg ID					required	
	0103-2						required	
0103	0103-3	Systems Hydrant type	·····				required	
0103	0103-4	Hydrant type					required	
	0103-5	Hydrant diameters					required	
	0103-6	Date of Installation	•				required	
	0103-7	Last maintenance Date	•				required	
		Hydrant Notes	•					
	Graphic	Air valve	•				required	
	0104-1	Air Valve ID			•		required	
	0104-2	Networks	•				required	
0104	0104-3	Systems	•				required	
	0104-4	Air Valve size	•				required	
	0104-5	Date of Installation	•				required	
	0104-6	Last maintenance Date				•	required	No records have been kept at
	0104-7	Air Valve Notes	•				required	
	Graphic	Water pipe bridge			•		required	
	0105-1				•		required	
	0105-2	Length			•		required	
0105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date				•	required	
	0105-5	Bridge Name				•	-	
	0105-6	Bridge material				•	-	
	Graphic	Sewer Manholes			•		required	
	0106-1	Sequential number				•	-	
	0106-2	Distribution System number		ļ		•	required	
		Distribution System name		ļ		•	required	
	0106-4	Distribution System location		ļ		•	required	
		Distribution System code				•	required	
0106	0106-6	SSYSAC				•	required	
	0106-7	SSYSLINENO				•	required	
	0106-8	SMH_mamber				•	required	
	0106-9	SMH_type				•	required	
	0106-10	SMH IL				•	required	
	0106-11	SMH_RL				•	required	
	0106-12	SMH_size				•	required	
_	0105-13	SMH_date				•	required	
	Graphic	Sewer Pipelines			•		required	
	0107-1	Sequential number				•	-	
	0107-2	Distribution System number				•	required	
	0107-3	Distribution System name				•	required	
	0107-4	Distribution System location		1		•	required	
	0107-5	Distribution System code			1	•	required	
	i 0107-6	SSYSAC			1	•	required	
	0107-7	SSYSLINENO			1	•	required	
	0107-8	SP NO			1	•	required	
	0107-9	Sewer Pipe Length		1		•	required	
	1	SP SIL		t		•	required	
01.07								
01 07	0107-10	SP EIL				•	required	

No.		GIS subject		Progress o		Frequency	Remarks	
No.		G18 subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
2222		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
		Water Quality Point No				•	Daily / Monthly	
		Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
	0405-4	Source name				•	Daily / Monthly	
0405	0405-5	Source Type				•	Daily / Monthly	
0405						•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				٠	Daily / Monthly	
	0405-8	Flow Rate (L/s)				٠	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				٠	Daily / Monthly	
	0405-10	Hardness (mg/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
2222		5. Customer's information				00000000		
	0405-1	Customer ID		•			Daily	
	0405-2	Customer's name		•			Daily	
0501	0405-3	House ID		•			Daily	
0501	0405-4	Type Of Account	•				Daily	
	0405-5	Boundary of plot (land)			•		required	
	0405-6	Customer's status		•			Daily	
	*1:	The term of "Required" indicates the irregular	undate work.					

For example, such as quanting, it will inclusion strengs occumulate. Since it is an ambiguous definition, SW and JICA expert team will discuss and decide clearly from now on. And it will indicate by an operation manual.

		Baha	Kukun	n Input i Progress o			Enum	
1	No.	GIS subject		Ongoing		No data	Frequency of update(*1)	
-	i0107-12	SP ACV	epuucu	ongoing	1.00 / 00	•	required	
		Sawar Dina diamatary				•	required	
						•	required	
	0107-15	SP MAKE				•	required	
	0107-16	SP_TYPE SP_MAKE SP_DATE				•	required	
	0107-17	SP_DATE SP_SLOPE				•	required	
		SP_CONNO				•	required	
	0107-19	SP_CONNEC SP_LINK				•	required	
	0107-20	SP LINK				٠	required	
	Graphic	Leakage location	•				Daily	
	0201-1	ID	٠				Daily	
	0201-2	Leakage Type	٠				Daily	
	0201-3	Status of Leak	٠				Daily	
я	0201-4	Location	٠				Daily	
	0201-5	Condition	٠				Daily	
	0201-6	Asset type				٠	required	
	0201-7	Asset Size				•	required	
	0201-8	Asset Material				•	required	
	0201-9	Date of survey	٠				Daily	
	Graphic	Flow meters	•				required	

Remarks

0201	0201-5	Condition	•		1		Daily	
		Asset type	1	†	t	•	required	
	0201 7	Asset Size					required	
	0201-7	Asset bize						
-	0,201-8	Asset Material				•	required	
		Date of survey	•				Daily	
	Graphic	Flow meters	•				required	
	0301-1	ID	1		•		required	
	0301-2	Networks				•	required	
	0301.3	Systems Location			+		required	
1	0301-5	V C						
0301	0301-4	Location					required	
	0301-5		•				required	
	0301-6	Date of Installation		L		•	required	
	0301-7	Last maintenance Date Logging				•	required	
	0301-8	Logging		l	1	•	required	
1	0301-9	Flow meter Notes				•	required	
_	Combin	Feeder pipes (service pipes)	•	-	-		required	
	onaprile	reeder pipes (service pipes)						
0302	0302-1	PipeID			•		required	
	0302-2	Pipe material Pipe size	•	L			required	
	0302-3	Pipe size	•				required	
	Graphic	Water meter	•				Daily	
	0303-1	HouseID			•		Daily	
	0303-2	Customer's Name	•				Daily	
		MeterID					Daily	
			•				Dairy	
0303	0303-4	Status of Meter (whether working, buried etc)	•					
	0303-5	Manufacturer	•					
		Size of Meter	•	1	[			
	0303-7	Date of Installation	•	[				
	0303-8	Lot Number	•	1				
	0202.0	Comments						
		2. Water Source information						
		2. Water Source information						
1		Bore holes	•				required	
	0401-1	Borehole ID				•	-	
	0401-2	Borehole Type				•	-	
	0401-3	Well depth(m)		I	•		required	
	0401-4	Haad		1		•	-	
	0401 6	Head Max				•		
1	0401-5	Pump ID			+		-	
1					ļ	•	-	
	0401-7	Location		l	L	•	required	
0401	0401-8	Manufacturerre		I		•	-	
	0401-9	Serial No		1		•	-	
	0401-10	Flow Rate				•	required	
	0.401 11	Static Water Level					required	
		Dynamic Water Level						
						•	required	
	0401-13	Date of Pump Installed		l	L	•	required	
		Date of last maintenance		I		•	required	
	0401-15	Age		1	[	•	required	
	0401-16	Status		1	1	•	required	
		3. Pump Station information						
		Pump station	-				required	
	Orapane	rump station	•					
	0402-1	Station ID Unit name				•	-	
	0402-2	Unit name	•	l	L		required	
	0402-3	Station type				•	required	
0402	0402-4	Location	T	1	T	•	required	
	0402-5	Age .		1		•	required	
	0402.6	Stopus					required	
		otatus					required	
							required	
	0402-7	Status Power Usage (KWh)						
	0402-8	Number of pump			•		required	
	0402-8	Number of pump 4. Service reservoir information			•		required	
	0402-8 Graphic	Number of pump 4. Service reservoir information Service reservoir	•		•		required required	
	0402-8 Graphic 0403-1	Number of pump 4. Service reservoir information Service reservoir Service reservoir name	:		•			
	0402-8 Graphic 0403-1	Number of pump 4. Service reservoir information Service reservoir Service reservoir name	:					
0402	0402-8 Graphic 0403-1 0403-2	Number of pump 4. Service reservoir information Service reservoir Service reservoir name Structure of service reservoirs	•		•		required	
0403	0402-8 Graphic 0403-1 0403-2 0403-3	Number of pump 4. Service reservoir information Service reservoir Service reservoir anne Structure of aervice reservoirs Elevation of aervice reservoirs	•		•		required	
D403	0402-8 Graphic 0403-1 0403-2 0403-3 0403-4	Number of pump 4. Service reservoir information Service reservoir Service reservoir tunine Siructure of service reservoirs Elevation of service reservoirs Capacity of service reservoir Capacity of service reservoir	•		•		required required required	
0403	0402-8 Graphic 0403-1 0403-2 0403-3 0403-4 0403-5	Number of pump 4. Service reservoir information Service reservoir name Service reservoir name Structure of service reservoirs Elevation of aervice reservoirs Capacity of service reservoir H w L, L.W.L	•		•		required required required required	
0403	0402-8 0403-1 0403-2 0403-3 0403-4 0403-5 0403-6	Number of pump 4. Service reservoir information Service reservoir name Structure of service reservoirs Elevation of aervice reservoirs Copacity of service reservoirs (Copacity of service reservoirs H W L, L WL Date of law manifestance	•		•	•	required required required required required	
	0402-8 0403-1 0403-2 0403-3 0403-4 0403-5 0403-5 0403-6 Graphic	Number of pump A. Service reservoir information Service neservoir Service neservoir Service reservoirs Hervahon of service reservoirs Crapacity of service reservoirs Crapacity of service reservoirs H. V. L. [.W. L. Date of hast maniferance Databutchion serves of source	•			•	required required required required required	
D4D3	0402-8 0403-1 0403-2 0403-3 0403-4 0403-5 0403-5 0403-6 Graphic	Number of pump 4. Service reservoir information Service reservoir name Service reservoir name Structure of service reservoirs Elevation of aervice reservoirs Capacity of service reservoir H w L, L.W.L	•		•	•	required required required required	

hai Kukum Input item of GIS	
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	No	GIS subject		Progress of	Database		Frequency	Remarks
	. <b>10</b> .	G13 subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
2222		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				٠	Daily / Monthly	
	0405-2	Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey		[ ] ]		•	Daily / Monthly	
	0405-4	Source name				•	Daily / Monthly	
nans	0405-5	Source Type				٠	Daily / Monthly	
0405	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				٠	Daily / Monthly	
	0405-8	Flow Rate (L/s)				٠	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)		[ ]		•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
		5. Customer's information						
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
1501	0405-3	House ID			•		Daily	
5501	0405-4	Type Of Account				٠	Daily	
	0405-5	Boundary of plot (land)			•		required	
		Customer's status	•	[			Daily	

For example, such as 'updating, if ten information sheets accumulate.' Since it is an ambiguous definition, SW and ITCA expert team will discuss and decide clearly from now en. And it will indicate by an operation manual.

No.		GIS subject		Progress of			Frequency	Remarks
		1. Distribution Facility information	Updated	Ongoing	Not yet	No data	of update(*1)	Terman Ka
5555		1. Distribution Pacifity information Water distribution pipes	•	0.00000000	000000000	********	required	******************
	0101-1	Pipe ID						
		Networks	1:	+			required required	
		Systems	- :				required	
	0101-5	Pipe material					required	
	0101-4	Pipe diameters					required	
	0101-5	Pipe length					required	
101	0101-0	Pipe Depth				•	required	
101	0101-1	Pipe Depui	•				required	
	0101-8	Pipe Use Completion year		+		•	required required	No records have been kept at a
	0101-9	Date of last maintenance				•	requied	No records have been kept at a
	0101-10	Date of Replacement / Reliabilitation					required	No records have been kept at a
		Date of Repairing				•	required	No records have been kept at a
	0101-13	Date of Leakage detection			•		required	
	0101-14	Pipe Notes	•				required	
_	Granbac	Sluice valve (gate valve)					required	
	0102.1	Valve ID			•		required	
	0102-1	Networks	•		· · ·			
	0102-2	Systems					required required	
	0102-4	Valve material					required	
		Valve size						
102	0102-5	Parth	···   ···· •		•		required	
	0102-0	Depth Direction of turn			:		required	
		Valve status	•	+	- ·		required	t
	0102-8	Date of Installation		+			required	+
		Date of last maintenance					required required	
		Valve Notes	•					
_	0102-11	valve roles	+ :				required	
	Graphic	Hydrant Hydrant ID					required	
	0103-1	Networks			•		required	
							required	
	0103-3	Systems					required	
105	0103-4	Hydrant type	- :				required	
	0103-5	Hydrant diameters					required	
	0103-6	Date of Installation	•				required	
		Last maintenance Date				•	required	No records have been kept at a
	0103-8	Hydrant Notes						
	Grapine	Air valve Air Valve ID	•				required	
	0104-1	Air valve ID Networks	•		•		required	
							required	
104		Systems	•				required	
	0104-4	Air Valve size Date of Installation	- : ·				required	
	0104-5	Last maintenance Date					required	St
	0104-0	Air Valve Notes	•				required	No records have been kept at a
			- ·				required	
	0105-1	Water pipe bridge					required	
	0105-1				•		required	
	0105-2	Length			•		required	
405	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date Bridge Name				÷	required	
	0105-5	Bridge Name					-	
		Bridge material				•	-	
	Graphic	Sewer Manholes			•		required	
	0106-1	Sequential number				•	-	
	0106-2	Distribution System number					required	
	0100-3	Distribution System name				:	required	
	0106-4	Distribution System location					required	
		Distribution System code				•	required	
106		SSYSAC			ļ	•	required	
		SSYSLINENO			ļ	•	required	
		SMH_number			ļ	•	required	
	0106-9	SMH_type SMH_IL			ļ	•	required	
						•	required	
	0106-11	SMH RL					required	
	0106-12	SMH_size				•	required	
		SMH_date				•	required	
	Graphic	Sewer Pipelines			•		required	
	0107-1	Sequential number				•		
	0107-2	Distribution System number				•	required	
	0107-3	Distribution System name				•	required	
	0107-4	Distribution System location				•	required	
	0107-5	Distribution System code				•	required	
	0107-6	SSYSAC SSYSLINENO				•	required	
	0107-7	SSYSLINENO		L		•	required	
	0107-8	SP NO		ļ	L	٠	required	
	0107-9	Sewer Pipe Length		L	L	٠	required	
107	0107-10	SP_SIL		1		٠	required	1
		SP EIL				٠	required	

_	No.	GIS subject	-	Progress o			Frequency	Remarks
			Updated	Ongoing	Not yet	No data	of update(*1)	Formar K3
		SP_ACV				•	required	
	10107-13	Sewer Pipe diameters				:	required	
	10107-14	SP_TYPE SP_MAKE					required	
	10107-15	SP_MAKE SP_DATE				:	required	
	1010/-16	SP_DATE				:	required	
	0107-17	SP_SLOPE					required	
	0107-18	SP_CONNO				•	required	
	0107-19	SP_CONNEC				•	required	
		SP_LINK				•	required	
	Graphic	Leakage location	•				Daily	
	0201-1	ID	•				Daily	
	0201-2	Leakage Type	•				Daily	
	0201-3	Status of Leak	•				Daily	
201		Location	•				Daily	
201	0701-5	Condition	•				Daily	
		Asset type	•				required	
	0201-7	Asset Size	•				required	
	0201-8		•					
		Date of survey					required Daily	
_	0201-9	Date of survey						
	- orapine	Flow meters	•				required	
	0301-1	ID			•		required	
		Networks				•	required	
	0301-3					•	required	
301	0301-4	Location				•	required	
	0301-5	Size	•				required	
	0301-6	Date of Installation				•	required	
	0301-7	Last maintenance Date				٠	required	
	0301-8	Logging	1			•	required	
	0301-9	Flow meter Notes	7			•	required	
	Graphic	Feeder pipes (service pipes)	•				required	
	0302-1	PipelD			•		required	
302	0302-2	Pipe material	•				required	
	0302 2	Pipe size					required	
-	Geophia	Water poster					Daily	
	0303-1	Water meter	•				Daily	
	0505-1	HouseID			•		Daily	
		Customer's Name	•				Daily	
202 I	0303-3	MeterID	•				Daily	
	0303-4	Status of Meter (whether working, buried etc)	•					
	0303-5	Manufacturer	•					
	0303-6	Size of Meter	•					
	0303-7	Date of Installation	•					
	0303-8	Lot Number	•					
		Comments	•					
23		2. Water Source information						
		Bore holes	•				required	
	0401-1	Borehole ID				•	-	
	0401-2	Borehole Type				•	-	
	0401-3	Well depth(m)			٠		required	
	0401-4	Head				•	-	
	0401-5	Head Max				•	-	
	0401-6	Pump ID				•	-	
	0401-7	Location	1			•	required	
6()1	0401-9	Manufacturerre				•	required	
.01	0.401 0	Serial No						
		Flow Rate					monired	
	0401-10	Static Water Level				:	required	
	0401-11	Static Water Level Dynamic Water Level				:	required	
	0401-12	Dynamic water Level				•	required	
	0401-13	Date of Pump Installed			l	•	required	
		Date of last maintenance				•	required	
		Age				•	required	
	0401-15	Status		1		•	required	
	0401-15					•		
	0401-16	3. Pump Station information				•		
	0401-16 Oraphic	3. Pump Station information Pump station	•			•	required	
	0401-16 Graphic 0402-1	3. Pump Station information Pump station Station ID	•			•	required	
212	0401-16 Graphic 0402-1 0402-2	3. Pump Station information Pump station Station ID	•				-	
	0401-16 Oraphic 0402-1 0402-2 0402-3	3. Pump Station information Pump station Station ID Unit name Station type	•				- required	
402	0401-16 Oraphic 0402-1 0402-2 0402-3	3. Pump Station information Pump station Station ID Unit name Station type	•			•	- required required	
402	0401-16 0402-1 0402-2 0402-3 0402-4	3. Pump Station information Pump station Station ID Unit nume Station type Location	•			•	required required required	
402	0401-16 0402-1 0402-2 0402-3 0402-4 0402-5	3. Pump Station information Pump station Station ID Unit name Station type Location Age	•			•	required required required required	
402	0401-16 0402-1 0402-2 0402-3 0402-4 0402-5 0402-5	3. Pump Station Information Prum station Station ID Unit name Station HD Location Location Age Status	•			•	required required required required required	
402	0401-16 0402-1 0402-2 0402-3 0402-4 0402-5 0402-5 0402-6 0402-7	3. Pemp Station information Famp station Station ID Unat name Station type Location Age Status Status (Status (Swaru Stage (KWh)	•			•	required required required required required required	
402	0401-16 0402-1 0402-2 0402-3 0402-4 0402-5 0402-5	3. Pemp Station information Pemp station Staten ID Uart name Station Nyp Location Age Station Number of pump Number of pump	•		•	•	required required required required required	
402	0401-16 0402-1 0402-2 0402-3 0402-3 0402-4 0402-5 0402-6 0402-7 0402-8	3. Pomp Station information Famp station Station ID Unit name Station Ryp Location Age Statia Statia Power Usage (KWh) Number of pump A Service reservoir information	•		•	•	required required required required required required required	
402	0401-16 0402-1 0402-2 0402-2 0402-3 0402-4 0402-5 0402-5 0402-6 0402-7 0402-8 0402-8	3. Pump Station Information Pump station Statica ID Uart name Statica ID Loat name Statica Type Location Nge Statica Type Tower Usage (KWh) Number of pump 4. Service reserved information Sorvare usaware	•		•	•	required required required required required required	
402	0401-16 0402-1 0402-2 0402-3 0402-4 0402-5 0402-5 0402-5 0402-5 0402-5 0402-8 0402-8	3. Pump Station Information Pump station Unit Turn States ID Loat name States ID Loat name Loadson Age Age Power Unger (KWD) Number of pump Ascript Second on Information Service reservoir mann Service reservoir mann	•			•	required required required required required required required	
	0401-16 0402-1 0402-2 0402-3 0402-3 0402-4 0402-5 0402-5 0402-5 0402-7 0402-8 0402-7 0402-8	S-Tomp Station Information     Strong Attains     Station [D]     Loat name     Loat name     Loat name     Loating     Loating     State     Converting     State     Stat	•		•	•	required required required required required required required required	
	0401-16 0402-1 0402-2 0402-2 0402-3 0402-4 0402-5 0402-5 0402-7 0402-7 0402-8 0402-1 0403-1 0403-1 0403-2 0403-3	S-Tomp Station Information     Show ID     Show ID     Show ID     Show ID     Loadon     Age     Action     Station type     Loadon     Age     Station type     Show ID     Show ID	•		•	•	required required required required required required required	
402	0401-16 0402-1 0402-2 0402-2 0402-3 0402-3 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-	Strump Station Information     Struct ID     Unit aname     Station ID     Loat name     Station ID     Loat name     Station Type     Loacon     Station     Prover Using (KWh)     Number of promp     Station     Stat	•		•	•	required required required required required required required required required	
	0401-16 0402-1 0402-2 0402-2 0402-3 0402-3 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-	Strump Station Information     Struct ID     Unit aname     Station ID     Loat name     Station ID     Loat name     Station Type     Loacon     Station     Prover Using (KWh)     Number of promp     Station     Stat	•		•	•	required required required required required required required required required required required	
	0401-16 Graphic 0402-1 0402-2 0402-3 0402-4 0402-5 0402-6 0402-7 0402-8 Graphic 0403-1 0403-2 0403-2 0403-4 0403-4 0403-4 0403-5	S-Tump Station Information     Show They station     Show TD     Show TD     Show TD     Show TD     Show TD     Control     Age     State     Show TD     Control     Show TD     Show TD     Control     Show TD     Sh	•		•	•	required required required required required required required required required required required	
	0401-16 0402-1 0402-2 0402-3 0402-3 0402-4 0402-5 0402-5 0402-5 0402-7 0402-8 0402-7 0402-8 0403-1 0403-3 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-5 0403-	Strump Station Information     Struct ID     Unit aname     Station ID     Loat name     Station ID     Loat name     Station Type     Loacon     Station     Prover Using (KWh)     Number of promp     Station     Stat	•		•	•	required required required required required required required required required required required	

Panatina Valley Input item of GIS

	χ.	GIS subject		Progress o	f Database		Frequency	Remarks
	Graphic 0405-1 0405-2 0405-3 0405-3 0405-4 0405-5 0405-5 0405-5 0405-5	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
333		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
	0405-4	Source name				٠	Daily / Monthly	
0105	0405-5	Source Type				٠	Daily / Monthly	
	0405-6	Catchment condition				٠	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
	0405-8	Flow Rate (L/s)				٠	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				٠	Daily / Monthly	
1		Hardness (mg/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
	*******	5. Customer's information						
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
501		House ID			•		Daily	
)501	0405-4	Type Of Account	٠				Daily	
	0405-5	Boundary of plot (land)			•		required	
	0.405.6	Customer's status	•				Daily	

Lue erm ec 'xequired' indicates the irregular update work. For example, such as 'updating, if ten informatics shoets accumulate ' Since it is an analysion definition, SW and JICA expert team will discuss and decide clearly from now on. And it will indicate by an operation manual.

S6.3-1-9

	No.	GIS subject			f Database	_	Frequency	Remarks
	. 10.	-	Updated	pdated Ongoing		No data	of update(*1)	Reinarks
353	10.1	1. Distribution Facility information	•			*******	**********	
	orapine 0101 1	Water distribution pipes Pipe ID	·····				required required	
	0101-2	Networks	•				required	
	0101 2	Systems					required	
	0101-4	Pipe material					required	
	0101-5	Pipe diameters					required	
	0101-6	Pine length					required	
101	0101-7	Pipe length Pipe Depth					required	
	0101-8	Pipe Use	•				required	
	0101-9	Completion year				•	required	No records have been kept at
	0101-10	Date of last maintenance	•					k
		Date of Replacement / Rehabilitation				•	required	No records have been kept at
	0101-12	Date of Repairing				•	required	No records have been kept at
	0101-13	Date of Leakage detection	•				required	
	0101-14	Pipe Notes	•					
		Shiice valve (gate valve)	•				required	
	0102-1	Valve ID			•		required	
	0102-2	Networks	•	1	1		required	1
	0102-3	Systems	•	T	[		required	
	0102-4	Valve material	•				required	
102	0102-5	Valve size	•				required	
102	0102-6	Depth		I	•		required	I
	0102-7	Direction of turn	•	Τ	[		required	I
	0102-8	Valve status	•	I	I		required	I
	0102-9	Date of Installation	•	I	[		required	
	0102-10	Date of last maintenance	•				required	
	0102-11	Valve Notes	•				required	
	Graphic	Hydrant Hydrant ID	•				required	
	0103-1	Hydrant ID	•				required	
		Networks	•				required	
	0103-3	Systems	•				required	
103	0103-4	Hydrant type	•				required	
	0103-5	Hydrant diameters	•				required	
	0103-6	Date of Installation	•				required	
	0103-7	Last maintenance Date	•				required	
		Hydrant Notes	•					
	Graphic	Air valve	•				required	
	0104-1	Air Valve ID			•		required	
	0104-2	Networks	•				required	
104	0104-3	Systems	•				required	
	0104-4	Air Valve size	•				required	
	0104-5	Date of Installation	•				required	
	0104-6	Last maintenance Date				•	required	No records have been kept at
	0104-7	Air Valve Notes	•				required	
		Water pipe bridge			•		required	
	0105-1	ID			•		required	
	0105-2	Length			•		required	
105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date				•	required	
	0105-5	Bridge Name				•	-	
	0105-6	Bridge material				•	-	
	Graphic	Sewer Manholes		ļ	•		required	
	0106-1	Sequential number		<b> </b>	•			
	0105-2	Distribution System number			•		required	
	0106-3	Distribution System name		+	•		required	
	0106-4	Distribution System location			•		required	
	0106-5	Distribution System code			•		required	
106	0106-6	SSYSAC SSYSLINENO		+	•		required	
	0106-7	IN THE REPORT OF		+	•		required	
	0106-8	SMH_number		<u>+</u>	:		required	
	0106-9	SMH_type SMH II.		+			required	
					:		required	
	10100-11	SMH_RL SMH_size					required	
		SMH_size SMH_date					required	
_	10100-13	Course Disabilities			:		required	
	Olor 1	Sewer Pipelines Sequential number		<u>+</u>			required	
	0107-2	Sequential number Distribution System number		t	:		monited	+
	0107-2	Distribution System name					required required	
	0107-3	Distribution System Instite			:			
	0107-4	Distribution System location Distribution System code					required	
	0107-5	ESTRETONICAL SYNCETIC CODE					required	
	0107-6	SSYSAC SSYSLINENO		+			required	
		SSYSLINENO SP_NO		+	:		required	
	0107-8	Sewer Pipe Length		+	:		required	
107	0107-10	Joewei rige Length		+	· · ·		required	
		ISP_SIL SP_HIL	1	1	•		required	1

			Naha2 In	Progress o			Frequency	
	No.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
	0107-12	SP_ACV			•		required	
	0107-13	Sewer Pipe diameters			•		required	
	0107-14	SP_TYPE			•		required	
	0107-15	SP_MAKE			•		required	
	0107-16	SP_DATE			•		required	
	0107-17	SP_SLOPE SP_CONNO			•		required	
	0107-18	SP_CONNO			•		required	
	0107-19	SP_CONNEC			•		required	
	0107-20	SP_LINK			•		required	
	Graphic	Leakage location	•				Daily	
	0201-1	ID	+ :				Daily	
	0201-2	Leakage Type					Daily	
	0201-3	Status of Leak	:				Daily	
201	0201-4	Location Condition					Daily Daily	
	0201-5	A such these						
	0201-0	Asset type Asset Size				•	required required	
	0201-1	Asset Material				÷	required	
		Date of survey	•				Daily	
	Granbia	Plane of survey					required	
	0301-1	Flow meters ID			•		required	
	0301-2	Networks	1			•	required	
	0301-3	Systems	1			•	required	
			1			•	required	
301	0301-5	Size	•				required	
	0301-6	Date of Installation	1			•	required	
	0301-7	Last maintenance Date Logging	1			•	required	
	0301-8	Logging				•	required	
	0301-9	Flow meter Notes				•	required	
	Granhie	Feeder nines (service nines)	•				required	
302	0302.1	PinalD			•		required	
302	0302-2	Pipe material	•				required	
			•				required	
	Graphic	Water meter HouseID	•				Daily	
	0303-1	HouseID	1		•		Daily	
	0303-2	Customer's Name	•				Daily	
	0303-3	MeterID	•				Daily	
303	0303-4	Status of Meter (whether working, buried etc)	•					
	0303-5	Manufacturer	•					
	0303-6	Size of Meter	•					
	0303-7	Date of Installation	•					
	0303-8	Lot Number	•					
	0303-9	Comments	•					
	10.1	2. Water Source information	•	2000000000			000000000000000000000000000000000000000	
	Grapme	Bore holes Borehole ID	•				required	
	0.401.2	Dambala Tama						
	0401-2	Borehole Type Well depth(m) Head				·····	required	
	0401 4	Weil (wplight)			ž	•	-	
	0.401 5	Head Max						
	0.401-5	Pares ID					-	
	0401-7	Pump ID Location				•	required	
401	0401-8	Manufacturerre	+			•	- required	
	0401-9	Serial No.	1			•	-	
	0401-10	Flow Rate	1			•	required	
	0401-11	Flow Rate Static Water Level				•	required	
	10401 12	Dynamic Water Level	1			•	required	
	0401-13	Date of Pump Installed	-			•	required	
	0401-13	Date of Pump Installed Date of last maintenance				•	required	
	0401-13	Date of Pump Installed Date of last maintenance					required required	
	0401-13 0401-14 0401-15 0401-16	Date of Pump Installed Date of last maintenance Age Status				٠	required	
	0401-13 0401-14 0401-15 0401-16	Date of Pump Installed Date of last maintenance Age				•	required required required	
	0401-13 0401-14 0401-15 0401-16 Graphic	Date of Pump Installed Date of last maintenance Age Status 3. Pump Station information Pump station				•	required required required	
	0401-13 0401-14 0401-15 0401-16 Graphic 0402-1	Date of Pump Installed Date of Just minitenance Age Status Status <b>3. Pump Station information</b> Pump station Station ID	•			•	required required required required	
333	0401-13 0401-14 0401-15 0401-16 Graphic 0402-1 0402-2	Date of Pump Installed Date of last maintenance Age Status <b>3. Pump Station information</b> Pump station Station ID Unit name				•	required required required required required required	
	0401-13 0401-14 0401-15 0401-16 0401-16 0402-1 0402-2 0402-3	Date of Pump Installed Date of last mainfermance Age Status 3. <b>Pump Station information</b> Pump station Station ID Unit name Station Pump Station Pump Station Pump Unit name				•	required required required required required	
402	0401-13 0401-14 0401-15 0401-16 0401-16 0402-1 0402-2 0402-3 0402-3	Date of Parup Installed Date of Naru maintenance Age Status 3. Pump Station information Pump station Station ID Unit name Station to po Location				•	required required required required required required required	
402	0401-13 0401-14 0401-15 0401-16 0402-1 0402-2 0402-2 0402-3 0402-4 0402-5	Date of Prop. Installed Date of Start markerance Age Statu 3. Pump Station information Pump statuco Staton ID Unit stanse Station ID Unit states Station type Stations Station Stations Station Stations Station Stations Station Stat				•	required required required required required required required required	
402	0401-13 0401-14 0401-15 0401-16 0402-1 0402-2 0402-2 0402-3 0402-4 0402-5	Date of Prop. Installed Date of Start markerance Age Statu 3. Pump Station information Pump statuco Staton ID Unit stanse Station ID Unit states Station type Stations Station Stations Station Stations Station Stations Station Stat				•	required required required required required required required required required	
402	0401-13 0401-14 0401-15 0401-15 0401-16 0402-1 0402-1 0402-3 0402-3 0402-3 0402-3 0402-4 0402-5 0402-4	Date of Promp Instilled Date of Net maintremerc Age Status 3. Penn Station information Pump Lattorn Statuse ID Statuse ID				•	required required required required required required required required required required required	
402	0401-13 0401-14 0401-15 0401-15 0401-15 0401-15 0402-1 0402-1 0402-2 0402-3 0402-3 0402-3 0402-4 0402-5 0402-4 0402-5 0402-8	Date of Proog Instilled Date of Istern prioritized Date of Ist interference Age Sale Constraints Design and Date of Da			•	•	required required required required required required required required required	
402	0401-13 0401-14 0401-15 0401-15 0401-16 0402-1 0402-2 0402-3 0402-3 0402-4 0402-5 0402-5 0402-5 0402-8	Date of Promp Instilled Date of Lenging Instilled Date of Lenging Institution Date of Lenging Institution Date of Lenging Institution Date of Lenging Institution Date of Lenging Date of Leng			•	•	required required required required required required required required required required required required	
402	0401-13 0401-14 0401-15 0401-15 0401-16 0402-1 0402-2 0402-3 0402-3 0402-4 0402-5 0402-5 0402-5 0402-8	Date of Promp Instilled Date of Lenging Instilled Date of Lenging Institution Date of Lenging Institution Date of Lenging Institution Date of Lenging Institution Date of Lenging Date of Leng			•	•	required required required required required required required required required required required	
402	0401-13 0401-14 0401-15 0401-15 0401-16 0402-1 0402-2 0402-3 0402-4 0402-5 0402-5 0402-8 0402-8 0402-8 0402-8	Date of Pump Instilled Date of Lemma Intermence Age Date of Lemma Intermence Age Station Date of Lemma Intermetion Lemma Intermetion Lemma Intermetion Lemma Intermetion Lemma Intermetion Exercise reservoir reservoir Exercise reservoir reservoir			•	•	required required required required required required required required required required required required	
893	0401-13 0401-14 0401-15 0401-15 0401-16 0402-1 0402-2 0402-3 0402-3 0402-3 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0400-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0400-4 0400-4 0400-4 000-4 000-4	Date of Promp Instilled Date of Instingtion Information Age Strain Station Information Strainer Dialogue Unit cause Statice Dialogue Unit cause Statice Dialogue Context Age Statice Dialogue Number of promp A Service research Information Statice Dialogue Statice			•	•	required required required required required required required required required required required required required required	
402	0401-13 0401-14 0401-15 0401-15 0401-16 0402-1 0402-2 0402-3 0402-3 0402-3 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-3 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0400-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0402-4 0400-4 0400-4 0400-4 0400-4 0000	Date of Promp Instilled Date of Internet Age Status Status Status Information Status Information Status Information Unit name Status Context Age Status Status Context Age Status			•	•	required required required required required required required required required required required required required required	
893	0401-13 0401-14 0401-15 0401-16 0401-16 0402-1 0402-2 0402-2 0402-3 0402-4 0402-4 0402-4 0402-5 0402-4 0402-8 0402-1 0402-8 0402-1 0402-3 0402-1 0402-3 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0401-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0400	Date of Pump Instilled Date of Lemma (Institution of Lemma (Institution) Date of Lemma			•	•	required required required required required required required required required required required required required required required	
893	0401-13 0401-14 0401-15 0401-15 0401-15 0402-1 0402-2 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0402-3 0403-1 0403-3 0403-3 0403-3	Date of Promp Instilled Date of Intermere Age Date of Intermere Age Date of Intermere Date of Intermer			•	•	required required required required required required required required required required required required required required required required	
	0401-13 0401-14 0401-15 0401-15 0401-15 0402-1 0402-2 0402-3 0402-3 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0402-5 0403-1 0403-1 0403-1 0403-2 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0402-1 0403-2 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-2 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 0403-1 040-1 0403-1 0403-	Date of Pump Instilled Date of Lemma (Institution of Lemma (Institution) Date of Lemma			•	•	required required required required required required required required required required required required required required required	

### Naha2 Input item of GIS

	No	GIS subject		Progress o	f Database		Frequency	Remarks
	NO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
3333		6. Other informations						
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				٠	Daily / Monthly	
	0405-2	Location_Name				•	Daily / Monthly	
	0405-3	Data of Survey				٠	Daily / Monthly	
	0405-4	Source name				٠	Daily / Monthly	
0405	0405-5	Source Type				•	Daily / Monthly	
0105	0405-6	Catchment condition				٠	Daily / Monthly	
	0405-7	Catchment area(Hectares)				٠	Daily / Monthly	
	0405-8	Flow Rate (L/s)				٠	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				٠	Daily / Monthly	
	0405-10	Hardness (mg/L)				٠	Daily / Monthly	
	0405-11	Turbidity (NTU)				٠	Daily / Monthly	
		5. Customer's information						
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
0501		House ID			•		Daily	
0001	0405-4	Type Of Account	•				Daily	
	0405-5	Boundary of plot (land)			•		required	
	0405-6	Customer's status	٠				Daily	

For example, such as "updating, if ten information sheets accumulate." Since it is an ambiguous definition, SW and IICA expert team will discuss and decide clearly from now on. And it will indicate by an operation manual.

### Naha3 Input item of GIS

,	No.	GIS subject		Progress of	f Database		Frequency	Remarks
		-	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
2000		1. Distribution Facility information						
	Graphic	Water distribution pipes	•				required	
	0101-1	Pipe ID			•		required	
	0101-2	Networks	•				required	
	0101-3	Systems	•				required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•				required	
	0101-6	Pipe length	•				required	
0101	0101-7	Pipe Depth	•				required	
	0101-8	Pipe Use Completion year	•				required	
	0101-9	Completion year				•	required	No records have been kept at a
	0101-10	Date of last maintenance	•					
		Date of Replacement / Rehabilitation				•	required	No records have been kept at a
	0101-12	Date of Repairing				•	required	No records have been kept at a
	0101-13	Date of Leakage detection			•		required	
	0101-14	Pipe Notes	•					
	Graphic	Shiice valve (gate valve)	•				required	
		Valve ID			•		required	
	0102-2		•				required	
	0102-3		•				required	
	0102-4	Valve material	•				required	
0102	0102-5	Valve size	•				required	
0102	0102-6	Depth			•		required	
	0102-7	Direction of turn	•		[		required	
	0102-8	Valve status	•		[		required	[
	0102-9	Date of Installation	•	[	[		required	[
	0102-10	Date of last maintenance	•				required	
		Valve Notes	•				required	
	Graphic	Hydrant	•				required	
	0103-1	Hydrant ID	•				required	
	0103-2	Networks	•				required	
	0103-3	Systems	•				required	
0103	0103-4	Hydrant type	•				required	
	0103-5	Hydrant diameters	•				required	
	0103.6	Date of Installation					required	
	0103.7	Last maintenance Date	•				required	
	0103-8	Hydrant Notes					required	
	Grachie	Air valve	•				required	
	01041	Air Valve ID					required	
	0104-2	Networks	•				required	
							required	
0104	0104 4	Systems Air Valve size Data of Installation					required	
	0104-5	Date of Installation	•				required	
	0104-6	Last maintenance Date					required	No records have been kept at a
	0104-7	Air Valve Notes					required	i to receita nave occuraciji at
-		Water pipe bridge			•		required	
	0105-1	ID			•		required	
	0105-2	Length					required	
01.05	0105-2	Pipe material					required	
0105	0105 4	I pe material			· · · · ·		required	
	0105 5	Last maintenance Date Bridge Name					-	
	0105.6	Bridge material						
	Onubia	Sewer Manholes	-		•	•	required	
	0106.1	Sequential number	-+				- required	
	0106-2	Distribution System number	-+				required	
	0106.2	Distribution System name	-+				required	
	0106.4	Distribution System location	-+					
	0106-1	Distribution System code					required	
	0106-5	percence of System code	-+				required	
0106	0106-0	SSYSAC SSYSLINENO	-+		<b>:</b>		required	
	0100=/	SSTSLINENO SMH number					required	
	0106-8	SAIN HUMOR			·····		required	
	0106-9	SMH_type	-+				required	
	0106-10	SMH_IL					required	
	0106-11	SMH RL SMH size			•		required	
	0106-12	SMH_size			•		required	
	0106-13	SMH date	+		•		required	
	Graphic	Sewer Pipelines			•		required	
	0107-1	Sequential number			•			
	0107-2	Distribution System number			•		required	
	0107-3	Distribution System name			•		required	
	0107-4	Distribution System location			•		required	
	0107-5	Distribution System code			•		required	
	0107-6	SSYSAC	1		•		required	
	0107-7	SSYSLINENO			•		required	
	0107-8	SP NO	Ι		•		required	
	0107-9	Sewer Pipe Length			•		required	
0107	0107-9	Sewer Pipe Length SP SIL			:		required required	

	No.	GIS subject		Progress o	f Databası		Frequency	Remarks
			Updated	Ongoing		No data	of update(*1)	Remarks
	0107-12	SP_ACV Sewer Pipe diameters			·:		required required	
	0107-14	SP TYPE			•		required	
	0107-15	SP MAKE			•		required	
	0107-16	SP DATE SP SLOPE			•		required	
	0107-17	SP_SLOPE			•		required	
	0107-18	SP_CONNO			•		required	
	0107-19	SP_CONNEC SP_LINK			:		required required	
	Graphic	Leakage location	•		-		Daily	
	0201-1	ID	•				Daily	
	0201-2	Leakage Type	•				Daily	
	0201-3	Status of Leak	•				Daily	
201	0201-4	Location	:				Daily Daily	
	0201-5	Condition Asset type					required	
	0201-7	Asset Size	•				required	
	0201-8	Asset Material Date of survey	•				required	
	0201-9	Date of survey	•				Daily	
	Graphic	Flow meters	•				required	
	0301-1	ID Networks			•		required required	
	0301-3	Systems	-+				required	
601	0301-4	Location				•	required	1
-001	0301-5	Size	•				required	
	0301-6	Date of Installation				•	required	
	0301-7	Last maintenance Date				•	required	
	0301-8	Logging Flow meter Notes				:	required	
	Graphic	Flow meter Notes Feeder pipes (service pipes)				•	required required	
0302		PipeID			•		required	
602	0302-2	Pipe material	•				required	
	0302-3	Pipe size	•				required	
	Graphic	Water meter	•				Daily	
0303	0303-1	HouseID Customer's Name	· · · · ·		•		Daily Daily	
	0303-3	MeterID					Daily	
	0303-4	Status of Meter (whether working, buried etc)					Daily	
1903	0303-5	Manufacturer	•					
	0303-6	Size of Meter	•					
	0303-7	Date of Installation	•					
	0303-8	Lot Number Comments	- ÷					
2002		2. Water Source information						
	Graphic	Bore holes Borehole ID	•				required	
						•	-	
	0401-2	Borehole Type				•		
	0401-3	Well depth(m) Head			•	•	required	
	0.401-5	Head Max						
	0401-6	Pump ID Location				•	-	
	0401-7	Location				•	required	
3401	0401-8	Manufacturerre				•	-	
	0401-9	Serial No				•	-	
	0401-10	Flow Rate Static Water Level				····•	required	
	0401-12	Static Water Level Dynamic Water Level					required required	
	0401-13	Date of Pump Installed	1			•	required	
	0401.1.4	Data of hot maintanance				•	required	
	0401-15	Age				•	required	
						•	required	
-555	Granhie	3. Pump Station information Pump station	•			4477575555	required	
	0402-1	Station ID				•	- required	
	0402-2	Unit name	•				required	
	0402-3	Station type				•	required	
402	0402-4	Location				•	required	
	0402-5	Age				:	required	
	0402-6	Status Power Usage (KWh)	-+			:	required required	
	0402-8	Number of pump			•		required	1
555	0000000	4. Service reservoir information	2 000000000	000000000		0000000000	0000000000000	000000000000000000000000000000000000000
			•				required	
	0403-1	Service reservoir name Structure of service reservoirs	•				-	
402	0403-2	Structure of service reservoirs Elevation of service reservoirs			•			
rus	0405-3	Caracity of service reservoirs			· · :		required required	
	0403-5	Capacity of service reservoir H.W.I., L.W.I.			•		required	
					·····	•	required	1
ana	Graphic	Distribution area of source Area name			•		required	
		A	1				required	

### Naha3 Input item of GIS

	No.	are to t		Progress o	f Database	e	Frequency	Remarks
	INO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	
		6. Other informations	202 00000000	000000000				
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location Name				•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
	0405-4	Source name				•	Daily / Monthly	
0403	0405-5	Source Type				•	Daily / Monthly	
0405	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
	0405-8	Flow Rate (L/s)				•	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)				•	Daily / Monthly	
		Turbidity (NTU)				•	Daily / Monthly	
2222	0.0000000	5. Customer's information		000000000		000000000		
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
	0405-3	House ID			٠		Daily	
0.001	0405-4	Type Of Account				1	Daily	
	0405-5	Boundary of plot (land)			٠	1	required	
		Customer's status	•			1	Daily	
	*1:	The term of "Required" indicates the irregular u						
		For example, such as "updating, if ten informatis	on sheets accumi	ilate."				

For example, such as "updating, if ten information sheets accumulate." Since it a an ambiguous definition, SW and JICA expert team will discuss and decide clearly from now on. And it will induce by an operation manual.

FFA	Kola	Road	Input	item o	f GIS

	No.	GIS subject		Progress o			Frequency	Remarks
1			Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
		1. Distribution Facility information						
	Graphic	Water distribution pipes	•				required	
	0101-1	Pipe ID			•		required	
	0101-2	Networks	•				required	
	0101-3	Networks Systems	•				required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•				required	
	0101.6	Pipe length	•				required	
1.01	0101-0	Pipe Depth						
101	0101-7	ripe Depti					required	
	0101-8	Pipe Use Completion year					required	
	0101-9	Completion year				•	required	No records have been kept at al
	0101-10	Date of last maintenance	•					
	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at al
	0101-12	Date of Repairing Date of Leakage detection				•	required	No records have been kept at al
	0101-13	Date of Leakage detection			٠		required	
	0101-14	Pipe Notes	•					
	Graphic	Shuce valve (gate valve)	•				required	
	0102-1	Valve ID			•		required	
	0102.2	Networks	•				required	
	0100.2	Protoco	•				required	
	0102-3	Systems Valve material					required	
	0102=4	Valve naterial Valve size						
0102			•				required	
	0102-6	Deptn			•		required	+
	0102-7	Direction of turn	•				required	
	0102-8	Valve status	•				required	
	0102-9	Valve status Date of Installation	•				required	
	0102-10	Date of last maintenance	•				required	
	0102-11	Valve Notes	•				required	
-		Hydrant	•				required	
	01/03 1	Hydrant ID			•		required	
	0102.2	Networks	•		· · · · · · · · · · · · · · · · · · ·		required	
	0102.2	Systems	•					
	010.55	Systems					required	
0103	010.54	Hydrant type					required	
	0103-5	Hydrant diameters	•				required	
	0103-6	Date of Installation	•				required	
	0103-7	Last maintenance Date				•	required	No records have been kept at al
	0103-8	Hydrant Notes	•					
	Graphic	Air valve	•				required	
		Air Valve ID			•		required	
	0104-2	Networks	•				required	
		Systems					required	
0104	0104.4	Air Valve size	•				required	
	0104.5	Date of Installation					required	
	0104-5	Last maintenance Date					required	No records have been kept at al
	0104-6	Air Valve Notes	•			•		No records nave been kept at a
-	0104-7	Air vaive Notes	•				required	
	Graphic	Water pipe bridge ID			•		required	
	0105-1	ID			•		required	
	0105-2	Length	l		•		required	
0105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date				•	required	1
	0105-5	Bridge Name				•	-	1
	0105-6	Bridge material				•	-	
-		Sewer Manholes			•		required	
	0105-1	Sequential number						
	0105-2	Distribution System number			·		required	+
	0106.2	Distribution System name					required	
	0106-3	Distribution System Jame						
		Distribution System location					required	
	0106-5	Distribution System code				•	required	
0106	0106-6	SSYSAC SSYSAC				•	required	
						•	required	
	0106-8	Shfl_number Shfl_type Shfl_II.				•	required	
	0106-9	SMH_type				•	required	
	0106-10	SMH_IL				•	required	
	0106-11	SMH RL				•	required	
	0106-17	SMH size				•	required	1
	0106-13	SMH date				•	required	1
-		Sever Pipelines					required	
	D107.1	Sequential number			·····	•	required	
	0107-1	pequentes atilitat						
	010/=2	Distribution System number				••••••	required	
	0107-3	Distribution System name				•	required	
	0107-4	Distribution System location				•	required	
	0107-5	Distribution System code				•	required	
		SSYSAC				•	required	
	0107-6							T
	0107-6	SSYSLINENO				•		
	0107-6 0107-7 0107-8	Distribution System code SSYSAC SSYSLINENO SP NO				:	required	
	0107-8	SP NO				•	required	
107	0107-8	SP_NO Sewer Pipe Length				÷	required required required required	

#### FFA Kola Road Input item of GIS

0201	0107-13 0107-14 0107-15 0107-16	GIS subject SP_ACV Sewer Pipe diameters SP_TYPE	Updated	Ongoing	Not yet	No data	of update(*1) required	
0201	0107-13 0107-14 0107-15 0107-16	Sewer Pine diameters	+				required	
0201	0107-14 0107-15 0107-16	Sewer Pipe diameters SP TYPE						
0201	0107-16	SP TYPE					required	
0201	0107-16					•	required	
0201	0107-16	SP_MAKE	1			•	required	
0201		SP DATE	1			•	required	
0201		SP_SLOPE	I			•	required	
0201	0107-18	SP CONNO SP CONNEC SP LINK				•	required	
0201	0107-19	SP. CONNEC				•	required	
0201	0107 20	SD I INV	+				required	
0201	Cambia	T sole as heating	•				Daily	
0201	oraptile	Leakage location						
0201	0.201-1	D	•				Daily	
0201	0201-2	Leakage Type	•				Daily	
	0201-3	Status of Leak	•				Daily	
	0201-4	Location	•				Daily	
			•				Daily	
	0201-6	Asset type Asset Size	•				required	
1	0201-7	Asset Size	•				required	
1	0201-8	Asset Material	•				required	
1	0201.9	Date of survey					Daily	
	0301-1	r iow inelers	•				required	
-	0301-1	μν 	+		•		required	
	0301-2	Networks	•				required	
	0301-3	Systems	•				required	
0301 [[]	0301-4	Location	•				required	
			•				required	
1	0301-6	Date of Installation	•				required	
1	0301-7	Last maintenance Date	•			1	required	
- 1	0301-8	Logging	•				required	
1	0301-9	Flow meter Notes	- ·				required	
	Orachie	Reader piper (cerrice piper)				-	required	
-	0202	Feeder pipes (service pipes) PipeID	+					
0302	0.902-1	PipelD					required	
- 1	0.902-2	Pipe material	•				required	
	0302-3	Pipe size	•				required	
	Graphic	Water meter	•				Daily	
	0303-1	HouseID			•		Daily	
	0303-2	Customer's Name	•				Daily	
	0303-3	MeterII)	•				Daily	
	0303-4	Status of Meter (whether working, buried etc)	•					
0303 -	03/03 5	Manufacturer	•					
	0202.6	Size of Meter	•					
			•					
	0.90.9-7	Date of Installation						
- 1	0.90.948	Lot Number	•					
	0.903-9	Comments	•					
00000	000000	2. Water Source information	00000000	0000000000	00000000	00000000	0000000000000	000000000000000000000000000000000000000
		Bore holes	•				required	
	0401-1	Borehole ID	I			•	-	
- 1	0401-2	Borehole Type				•	-	
1	0401-3	Well depth(m)	1		•		required	
1	0401-4	Hend	1			•	-	
		Head Max	1			•	-	
H	0401-6	Pomp ID	+					
- 1	0401-0	Pump ID Location	+					
um H	0401=/	LAGRICH V	+				required	
10401	0401-8	Manufacturerre	+			•		
Ļ	0401-9	Senial No	ļ			•		
		Flow Rate	ļ			•	required	
- 6	0401-11	Static Water Level	1			•	required	
1	0401-12	Dynamic Water Level	1			•	required	
1	0401-13	Date of Pump Installed	T	[		•	required	
- 5	0401-14	Date of last maintenance	1			•	required	
- E	0401-15	Age	1				required	
1	0401-16	Statue	t				required	
							requireo	
-	a	3. Pump Station information	1					
1	oraphic	Pump station	•				required	
	0402-1	Station ID	ļ			•		
L	0402-2	Unit name	•				required	
- 0	0402-3	Station type	1			•	required	
0402	0402-4	Location	1			•	required	
1	0402-5	Age	T			•	required	
	0402-6	Status	1			•	required	
	0402-7	Power Usage (KWh)	1			•	required	
		Number of pump	t					
<del></del>		Condex parameterization	·····				required	
i	4	4. Service reservoir information		a contraini		(concernini		
	oraphic	Service reservoir Service reservoir name	·····				required	
	0403-1	Servace reservoir name	•				<del>.</del>	
	0403-2	Structure of service reservoirs	1		•		-	
0403	0403-3	Elevation of service reservoirs	Γ		•		required	
	0403-4	Canacity of service reservoir	1				required	
1	0403-5		1				required	
	0403 <	Date of last maintenance	+				required	
	040340	Date of last maintenance Distribution area of source				· ·	required	
							required	

FFA Kola Road Input item of GIS

	io.	GIS subject		Progress o			Frequency	Remarks
P	«O.	G18 subject	Updated	Ongoing	Not yet	No data	of update(*1)	
		6. Other informations		0000000000	1000000000	000000000		
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location Name				•	Daily / Monthly	
	0403-3	Data of Survey				•	Daily / Monthly	
1	0405-4	Source name				•	Daily / Monthly	
0.406	0405-5	Source Type				•	Daily / Monthly	
	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
1	0405-8	Flow Rate (L/s)				•	Daily / Monthly	
	0405-9	Chlorine Demand (ug/10L)				•	Daily / Monthly	
	0405-10	Hardness (mg/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
2222	1000000	5. Customer's information		0000000000		000000000		
		Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
0501		House ID			٠	1	Daily	
	0405-4	Type Of Account	•				Daily	
1	0405-5	Boundary of plot (land)			•		required	
	0405-6	Customer's status	•				Daily	
	*1:	The term of "Required" indicates the irregular	update work.					
		For example, such as "updating, if ten informa	tion sheets accum.	ilate."				
		Since it is an ambiguous definition. SW and JI	CA expert team w	ill discuss and	decide clea	arly from no	w on	

Since it is an ambiguous definition, SW and JICA expert team w. And it will indicate by an operation manual. discuss and decide clearly fro

#### Lenggakiki DMA Input item of GIS

No.		GIS subject		Progress o	f Database		Frequency	Remarks
1407			Updated Ongoing Not			No data	of update(*1)	ixelliariks
839	1000000	1. Distribution Facility information		~~~~~		00000000		
	Graphic	Water distribution pipes	•				required	
		Pipe ID			•		required	
	0101-2	Networks	•				required	
	0101-3	Systems	•				required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•				required	
	0101-6	Pipe length	•				required	
0101	0101-7	Pipe Depth	•				required	
	0101-8	Pipe Use	•				required	
	0101-9	Completion year	1			•	required	No records have been kept at a
	0101-10	Date of last maintenance	•					
	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at a
	0101-12	Date of Repairing				•	required	No records have been kept at a
	0101-13	Date of Leakage detection			•		required	
	0101-14	Pipe Notes	•					
	Graphic	Shuce valve (gate valve)	•				required	
	0102-1	Valve ID			•		required	
	0102-2	Networks	•				required	
	0102-3	Systems	•				required	
	0102-4	Valve material	•				required	
	0100.0	Valve size	•				required	
0102	0102-6	Depth			•		required	
	0102-7	Direction of turn	•				required	
	0102-8	Valve status					required	
	0102-0	Date of Installation					required	
		Date of Instantation Date of last maintenance					required	
	0102-11	Valve Notes					required	
		Hydrant					required	
	0107.1	Hydrant ID			•		required	
	0103-2	Networks	•		· · · · · · · · · · · · · · · · · · ·		required	
	0103 3	Systems					required	
102	0103-3	Hydrant type						
103	0103-1	riydrain type					required	
	0103-5	Hydrant diameters					required	
	0103-6	Date of Installation Last maintenance Date	•				required	
	0103-7	Last manterance Date	· · ·			· · · · · · · · · · · · · · · · · · ·	required	No records have been kept at a
	0103-8	Hydrant Notes						
	Graphic	Air valve	•				required	
	0104-1	Air Valve ID			•		required	
		Networks	•				required	
0104	0104-3	Systems	•				required	
	0104-4	Air Valve size	•				required	
		Date of Installation	•				required	
	0104-6	Last maintenance Date				•	required	No records have been kept at a
	0104-7	Air Valve Notes	•				required	
	Graphic	Water pipe bridge ID			•		required	
	0105-1	ID			•		required	
	0105-2	Length			•		required	
0105	0105-3	Pipe material			•		required	
	0105-4	Last maintenance Date Bridge Name Bridge material				•	required	
	0105-5	Bridge Name				•	-	
	0105-6	Bridge material				•	-	
		Sewer Manholes			•		required	
	0106-1	Sequential number				•		
	0106-2	Distribution System number				•	required	
	0106-3	Distribution System name				•	required	
	0106-4	Distribution System location				•	required	
	0106-5	Distribution System code				•	required	
106	0106-6	SSYSAC				•	required	
						•	required	
	0106-8	SMH number				•	required	
	0106-9	SMH_type				٠	required	
	0106-10	SMH IL				•	required	
	0106-11	SMH_RL				٠	required	
	0106-12	SMH size SMH date				٠	required	
_	0106-13	SMH date				•	required	
	Graphic	Sewer Pipelines			•		required	
	0107-1	Sequential number				•	-	
	0107-2	Distribution System number				•	required	
	0107-3	Distribution System name				•	required	
	0107-4	Distribution System location				•	required	
	0107-5	Distribution System code				•	required	
	0107-6	SSYSAC				•	required	
	0107-7	SSYSLINENO					required	l
		SP_NO					required	
	0101.9	Sewer Pipe Length					required	
		tener i pe nengui						
107	0107-10						required	

## No. G1S subject [0071] [0072] [0071] [0072] [0071] [0072] [0071] [0072] [0071] [0072] [0071] [0072] [0071] [0072] [0071] [0072] [0071] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] [0072] Remarks • 0001-1 Date of installation 000452 LA Number 000452 LA Number 000452 LA Number 000452 LA Number 000451 Date of the second se • required : required • required required required required required required required required • required • required required required required required required required • : • ÷ required : required required required required 0403-5 Fi Witz E Witz 0403-6 Date of last maintenance 0404 Graphic Distribution area of source 0404 Area name : required required

#### Lenggakiki DMA Input item of GIS

#### Lenggakiki DMA Input item of GIS

No.		GIS subject		Progress o	f Database		Frequency	Remarks
	NO.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
2000		6. Other informations						200000000000000000000000000000000000000
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
	0405-2	Location Name				٠	Daily / Monthly	
	0405-3	Data of Survey				٠	Daily / Monthly	
	0405-4	Source name				٠	Daily / Monthly	
0405	0405-5	Source Type				٠	Daily / Monthly	
0405		Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
	0405-8	Flow Rate (L/s)				٠	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (ing/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				٠	Daily / Monthly	
		5. Customer's information						
	0405-1	Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
0501	0405-3	House ID			•		Daily	
0501	0405-4	Type Of Account	•				Daily	
	0405-5	Boundary of plot (land)	•				required	
		Oustomer's status	•				Daily	

The term of 'Kequared' unkicates the urregular update work. For example, such as 'updating, if ten information sheets accumulate " Smee it is an ambiguous defauitor, SW and JICA expert team will discuss and decide clearly from now on. And it will indicate by an operation manual.

1	No.	GIS subject		Progress o Ongoing		No data	Frequency of update(*1)	Remarks
000		1. Distribution Facility information	opuateu	ongoing	Not yet	Ino uata	of upuate( 1)	
	Graphic	Water distribution pipes	•				required	
	0101-1	Pipe ID			•		required	
	0101-2	Networks	•				required	
		Systems	•				required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•				required	
	0101-6	Pipe length	•				required	
01	0101-7	Pipe Depth	•				required	
	0101-8	Pine Use	•				required	
	0101-9	Pipe Use Completion year				•	required	No records have been kept at all.
	0101-10	Date of last maintenance	•					
	0101 11	Date of Replacement / Rehabilitation				•	required	No records have been kept at all.
	0101-12	Date of Repairing				•	required	No records have been kept at all.
	0101-13	Date of Leakage detection			•		required	recently more occuracy; in an
	0101 14	Pipe Notes	•				required	
	Granhie	Shice valve (gate valve)					required	
	0102-1	Valve ID			•		required	
	0102-2	Networks	•				required	
	0102-3	Systems	•				required	
	0102-4	Valve material	•				required	
	0102-5	Valve size	÷				required	l
02	0102-5	Danile						
	0102-0	Depth Direction of turn					required required	
	0102-7	Valve status					required	
	0102-6	Date of Installation					required	
		Date of last maintenance						
	0102-10	Valve Notes	- :				required	
		Hydrant					required	
	0102.1	Hydrant ID					required	
		Networks	•				required	
	0103-2	Systems						
03	0103-3	Hydrant type					required	
0.5	0103-4	Hydrant diameters					required	
	0103-5	Date of Installation					required	
	0103-7	Last maintenance Date	·				required	No records have been kept at all.
		Hydrant Notes	•			·····	required	iso records nave been kept at all
_	0105-6	Air valve					required	
	orapine	Air Valve ID	·				required	
	0104-1	Mir valve ID	•					
	0104=2	Networks					required	
04	0104=3	Systems Air Valve size	:				required	
	0104-4	Date of Installation					required	
							required	No second have have been at all all
	0104-6	Last maintenance Date	•				required	No records have been kept at all.
	0104=)	Air Valve Notes	•			•	required	
	Graphic	Water pipe bridge ID					required	
	0105-1	ID				•••••••••••••••••••••••••••••••••••••••	required	
05	0105-2	Length				•••••••	required	
05	0105-3	Pipe material					required	
	0105-4	Last maintenance Date Bridge Name				•••••••••••••••••••••••••••••••••••••••	required	
	0105-5	Bridge Name				•		
_	0105-6	Bridge material					-	
	Graphie	Sewer Manholes				•••••	required	
	0106-1	Sequential number Distribution System number						
	0106-2	Distribution System number				•	required	
	0106-3	Distribution System name				•	required	
	0106-4	Distribution System location				•	required	
	0106-5	Distribution System code SSYSAC				•	required	
06	0106-6	SSYSAC				•	required	
		SSYSLINENO				•	required	
	0106-8	SMH_number				•	required	
	0106-9	SMH_type				•	required	
	0106-10	SMH_IL				•	required	
	0106-11	SMH_RL				•	required	
	0106-12	SMH_size				•	required	
_		SMH_date				•	required	
	Graphic	Sewer Pipelines				•	required	
	0107-1	Sequential number				•		l
	0107-2	Distribution System number				•	required	
	0107-3	Distribution System name				•	required	
	0107-4	Distribution System location Distribution System code				•	required	
	0107-5	Distribution System code	ļ			•	required	
	0107-6	SSYSAC				•	required	
	0107-7	SSYSLINENO				•	required	
		ISP NO	1			•	required	
	0107-8							
	0107-9	Sewer Pipe Length				•	required	
07	0107-8 0107-9 0107-10 0107-11	Sewer Pipe Length SP_SIL				:	required required required	

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	N.	CIE		Progress o	f Database		Frequency	Remarks
	No.	GIS subject	Undated	Ongoing	Not yet	No data	of update(*1)	Remarks
	0107-12	SP_ACV	- Paster			•	required	
	0107-13	Sewer Pipe diameters				•	required	
	0107-14	SP_TYPE				•	required	
	0107-15	SP_MAKE					required	
	0107-16	SP_DATE	+			•	required	
	0107-10	PD PLODE					required	
	0107-10	SP_SLOPE SP_CONNO						
	0107-18	SP_CONNO					required	
		SP_CONNEC				•	required	
		SP_LINK				•	required	
	Graphic	Leakage location	•				Daily	
	0201-1	ID	•				Daily	
	0201-2	Leakage Type	•				Daily	
	0201-3	Status of Leak	•				Daily	
	0201-4	Location	•				Daily	
0201	0201-5	Location Condition	•				Daily	
	0201-6	Asset type	•				required	
	0201-7	Asset Size	•				required	
	0201-8	Avent Material	•				required	
	0201 0	Asset Material Date of survey					Daily	
	0.01-9	Date of stavey						
	Grapene	Flow meters	•				required	
	0301-1	ID			•		required	
	0301-2	Networks	•				required	
	0301-3	Systems	•				required	
0301	0301-4	Location	•				required	L
0.001		Size	•				required	
	0301-6	Date of Installation	•	[	[		required	
	0301-7	Last maintenance Date	•				required	
	0301-8	Logging	•				required	
	0301-9	Flow meter Notes					required	
			1:					
	Orapene	Feeder pipes (service pipes)	•		•		required	
0302	0.902-1	Protein pipes (surree pipes) Pipe ID Pipe material					required	
	0.502-2	Pipe material	•				required	
			•				required	
	Graphic	Water meter	•				Daily	
	0303-1				•		Daily	
	0303-2	Customer's Name	•				Daily	
	0303-3	MeterID	•				Daily	
	0303-4	Status of Meter (whether working, buried etc)	•					
0903	0303-5	Manufacturer	•					
		Size of Meter	•					
		Date of Installation	- ÷					
		Lot Number						
	0505-6	Lot Number	+ :					
	0303-9	Comments						
	Audi	2. Water Source information		0000000000	000000000	0000000000		
	Orspine	Bore holes					required	
	0401-1	Borehole ID				•		
	0401-2	Borehole Type				•		
	0401-3	Well depth(m)			•		required	
	0401-4	Head				•	-	
	0401-5							
			1			•	-	
	0401-6	Pump ID	+			•		
	0401-6	Pump ID Location						
0401	0401-7	Pump ID Location Manufacturerre				•	required	
0401	0401-7	Pump ID Location Manufacturerre				•		
0401	0401-7 0401-8 0401-9	Pump ID Location Manufacturerre Serial No				• •	required	
0401	0401-7 0401-8 0401-9 0401-10	Pump ID Location Manufacturere Serial No Flow Rate				÷	required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11	Pump ID Location Manufacturere Serial No Flow Rate Static Water Level				• •	required required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12	Paup D. Loositon Mansfietwerre Serial No Flow Rate Static Water Level Dynamic Water Level				• •	required required required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13	Pemp D Location Manufacturere Serial No Fjow Rate State Water Level Dynams Water Level Donams Water Level Dona of Pemp Installed				• • • • •	required required required required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14	Pennp ID Location Manufacturerre Serial No Flow Rate Static Water Level Date of Punp Installed Date of Punp Installed				• • • • • •	required required required required required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15	Pump ID Losation Manafacherere Serial No Flow Rafe Satia Water Level Dynamic Water Level Dynamic Water Level Date of Pump Intalled Date of Data maintename Age.					required required required required required required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14	Pang ID Losation Marafichuserre Serial No Phow Rate Stanik Wate Loval Stanik Wate Loval Danard Yvarg Lovalid Data of Marginalid Data of Marginalid Data of Marginalid Data of Marginalid Data of Marginalid Data of Marginalid Status				• • • • • •	required required required required required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16	Pang ID Lonton Mandacherere Senal No Plow Rate Santo Water Level Dynamo Water Level Dynamo Water Level Date of Pang Installed Date of Pang Installed Date of Man Installed Date of Man Installed Santo Santo					required required required required required required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16 0401-16	Pang ID Looton Manufacterere Seral No Flow Rate Sand Water Level Dynamic Water Level Dynamic Water Level Dynamic Water Level Date of Pang Intalled Date of					required required required required required required required required	
0401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-14 0401-15 0401-16 0401-16	Pang ID Looton Manufacterere Seral No Flow Rate Sand Water Level Dynamic Water Level Dynamic Water Level Dynamic Water Level Date of Pang Intalled Date of					required required required required required required required	
6401	0401-7 0401-8 0401-9 0401-10 0401-11 0401-12 0401-13 0401-13 0401-15 0401-16 0401-16 0401-16	Pang DD Loation Manufacturers Manufacturers Manufacturers Sante Wan F Sante Wa					required required required required required required required required required	
	0401-7 0401-8 0401-9 0401-9 0401-10 0401-12 0401-13 0401-13 0401-14 0401-15 0401-16 0401-16 0402-1 0402-2	Pomp ID Looton Mandabarene Pom Mara Shale Ward Level Davas Valler Level Davas Charles Level Davas Charles Level Davas Charles Level Davas Charles Level Davas Charles Level Salas Salas Salas Salas Salas Charles Information Pamp ataton Salas Salas					required required required required required required required required required required	
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0402-2 0402-2 0402-2 0402-2 0402-2 0402-2 0402-2 0	Pings DD Looton Looton Near No. Search Near Sheet Water Lood Date of the January Control Date of the maintenance Age Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear Shear She	:		•		benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupon benupo	

#### Tasahe A & B DMA Input item of GIS

No.		GIS subject			f Databas		Frequency	
Gr		GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
Gr		6. Other informations		0.000.000.00			C	61100000000000000000000000000000000000
	raphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
1.04	405-1	Water Quality Point No				•	Daily / Monthly	
04	405-2	Location_Name				•	Daily / Monthly	
04	405-3	Data of Survey				•	Daily / Monthly	
04	405-4	Source name				•	Daily / Monthly	
405 04	405-5	Source Type				•	Daily / Monthly	
04	405-6	Catchment condition				•	Daily / Monthly	
04	405-7	Catchment area(Hectares)				•	Daily / Monthly	
04	405-8	Flow Rate (L/s)				•	Daily / Monthly	
04	405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
		Hardness (mg/L)				•	Daily / Monthly	
		Turbidity (NTU)				•	Daily / Monthly	
		5. Customer's information						
		Customer ID	•				Daily	
04	405-2	Customer's name	•				Daily	
501 04	405-3	House ID			٠		Daily	
04	405-4	Type Of Account	•				Daily	
04	405-5	Boundary of plot (land)	•				required	
		Customer's status	•				Daily	
*1	1	The term of "Required" indicates the irregular updat	e work.					
		For example, such as "updating, if ten information sl	iects accumi	ilate."				
		Since it is an ambiguous definition, SW and JICA es	pert team w	ill discuss and	decide clea	wly from no	v on.	
		And it will indicate by an operation manual.						

#### West Kola Ridge A DMA Input item of GIS

	No.	GIS subject	Updated	Ongoing	of Database Not yet	No data	Frequency of update(*1)	Remarks
5555	2002000	1. Distribution Facility information						
	Graphic	Water distribution pipes	•				required	
	0101.1	Pipe ID			•		required	
	0101-2	Networks	•				Toquieo	
	0101-2	Ivelworks					required	
	0101-3	Systems	•				required	
	0101-4	Pipe material	•				required	
	0101-5	Pipe diameters	•				required	
	0101-6	Pipe length	•				required	
101	0101-7	Pipe Depth	•				required	
	0101-8	Pipe Use Completion year	•				required	
	0101.9	Completion year					required	No records have been kept at a
	0101-0	Date of last maintenance					Tequieo	ito recordi nire occiricor ara
	0101-10	Date of past mannenance						
	0101-11	Date of Replacement / Rehabilitation				•	required	No records have been kept at a
	0101-12	Date of Repairing Date of Leakage detection				•	required	No records have been kept at a
	0101-13	Date of Leakage detection			•		required	
	0101-14	Pipe Notes	•					
	Graphic	Shuce valve (gate valve)	•				required	
	0102-1	Valve ID			•		required	
	0102-2	Networks	•				required	
	0102.3	Systems	•				required	
	0102-0	Valve material					required	
	0102=4	vaive material					required	
102	0102-5	Valve indepat	•				required	l
	0102-6	Depth			•		required	
	0102-7	Direction of turn	•				required	
	0102-8	Valve status	•				required	
	0102-9	Date of Installation	•		[		required	[
	0102-10	Date of last maintenance	•				required	l
	0102 11	Valve Notes					required	l
		Hydrant					required	
	Grapenic	riyuran	•					
	0103-1	Hydrant ID			•		required	
	0103-2	Networks	•				required	
	0103-3	Systems	•				required	
103	0103-4	Hydrant type	•				required	
	0103-5	Hydrant diameters	•				required	
		Date of Installation	•				required	
	01/02 7	Last maintenance Date						No records have been kept at a
	0103-7	Hydrant Notes	•				required	No records have been kept at a
	Graptine	Air valve	•				required	
		Air Valve ID			•		required	
	0104-2	Networks	•				required	
104	0104-3	Systems	•				required	
104	0104-4	Air Valve size Date of Installation	•				required	
	0104-5	Date of Installation	•				required	
	0104-6	Last maintenance Date					required	No records have been kept at a
		Air Valve Notes	•				required	
		Water pipe bridge	-				required	
	olocit	water pipe orage					required	
	0105-1	m				•	required	
	0105-2	Length				•	required	
105	0105-3	Pipe material				•	required	
		Last maintenance Date				•	required	
	0105-5	Bridge Name				•	-	
	0105-6	Bridge material		[	[	•	-	
	Graphic	Sewer Manholes				•	required	
	0106-1	Sewer Manholes Sequential number						
	0106.2	Distribution System number					required	
	0100-2	instruction of System number						
	0106-5	Distribution System name				•	required	
	0106-4	Distribution System location Distribution System code				•	required	
	0106-5	Distribution System code			L	•	required	
106	0106-6	SSYSAC				•	required	
	0106-7	SSYSAC SSYSLINENO				•	required	
			- T		[	•	required	
	0106-9	SMH_type				•	required	1
	0106-10	SMH IL					required	
	0106 11	SMH RL						
	0100-11	SPH1 NL					required	
	0106-12	SMH size				•	required	
		SMH_date	_			•	required	
	Graphic	Sewer Pipelines				•	required	
	0107-1	Sequential number			[	•	-	
	0107-2	Distribution System number			[	•	required	[
	0107-3	Distribution System name					required	
	0107 4	Distribution System location					required	
	010/#1	izasciourori System recentori					required	
	0107-5	Distribution System code				•	required	
	0107-6	SSYSAC SSYSLINENO				•	required	
	0107-7	SSYSLINENO				•	required	
	0107-8	SP NO				•	required	
	0107-9	Sewer Pipe Length					required	
107	0107-10	op off					required	
0107	0107-10	or one						
							required	

		G10 11 1		Progress o	f Database		Frequency	Remarks
	No.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
	0107-12	SP_ACV				•	required	
	0107-13	Sewer Pipe diameters				•	required	
	0107-14	SP_TYPE				•	required	
	0107-15	SP_TYPE SP_MAKE SP_DATE				•	required	
	0107-16	SP_DATE				•	required	
	0107-17	SP_SLOPE				•	required	
	0107-18	SP_CONNO				•	required	
	0107-19	SP_CONNO SP_CONNEC SP_LINK				•	required	
	0107-20	SP_LINK				•	required	
	Graphic	Leakage location	•				Daily	
	0201-1	ID Loskage Type	:				Daily Daily	
	0201-2	Leakage Type	:				Daily Daily	
	0201-3	Status of Leak Location					Daily	
201	0201-4	Condition					Daily	
	0201-5	Asset type	÷				required	
	0201-7	Asset Size					required	
	0201-8	Asset Material	·				required	
	0201-0	Date of survey					Daily	
		Flow meters	•				required	
	0301-1	ID	1		•		required	
	0301-2	ID Networks	•				required	
	: 0301-3	Systems	•				required	
	0301-4	Location	•				required	
301	0301-5	Size	•				required	
	0301-6	Date of Installation	•				required	
	0301-7	Last maintenance Date	•				required	
	0301-8	Logging Flow meter Notes	•				required	
	0301-9	Flow meter Notes	•				required	
	Graphic	Feeder pipes (service pipes)	•				required	
302	0302-1	PipeID			٠		required	
002	0302-2	Pipe material	•				required	
	0302-3	Pipe size	•				required	
			•				Daily	
	0303-1	HouseID Outomer's Name			•		Daily	
	0303-2	Customer's Name	•				Daily	
			•				Daily	
303	0303-4	Status of Meter (whether working, buried etc)	•					
	0303-5	Manufacturer	•					
	0303-6	Size of Meter	•					
	0303-7	Date of Installation	•					
	0303-8	Lot Number Comments	•					
			•					
	I durah in	2. Water Source information		0000000000	0000000000	•	required	
	0401 1	Bore holes Borehole ID						
	0401-3	Borenow Type Well depth(m) Head Head Max					required	
	0401-4	Uasd Uasd					required	
	0401 5	Lines Mar						
	0401-7	Location					required	
1401	0401-8	Location Manufacturerre				•	-	
	0401-9	Senal No				•		
	0401-10	Flow Rate				•	required	
	0401-11	Static Water Level				•	required	
	10401-12	Dynamic Water Level				•	required	
	0401-13	Date of Pump Installed	1			•	required	
			1			•	required	
	0401-15	Age Status				٠	required	
			1			٠	required	
		3. Pump Station information						
	Graphic	Pump station				•	required	
	0402-1	Station ID				٠	-	
	0402-2	Unit name				٠	required	
	0402-3	Station type				•	required	
402	0402-4	Location				•	required	
	0402-5	Age				•	required	
						•	required	
	0402-7	Power Usage (KWh)				•	required	
	0402-8	Number of pump			•		required	
655	00000000	4. Service reservoir information	055555555	000000000	0000000000	0000000000	00000000000000	000000000000000000000000000000000000000
	Graphic	Service reservoir	•				required	
	0403-1	Service reservoir name	•					
	040.5-2	Structure of service reservoirs			•			
403	0403-3	Elevation of service reservoirs			•		required	
	0403-4	Capacity of service reservoir	l		•		required	
	040.5-5	H.W.L. L.W.L			•		required	
	0403-6	Date of last maintenance Distribution area of source				•	required	
		Distribution area of source			•		required	

### West Kola Ridge A DMA Input item of GIS

	No.	G10 11 1		Progress o	f Database	2	Frequency	Remarks
	N0.	GIS subject	Updated	Ongoing	Not yet	No data	of update(*1)	Remarks
2222		6. Other informations		000000000				
	Graphic	Water quality (Fixed-point observation)			•		Daily / Monthly	
	0405-1	Water Quality Point No				•	Daily / Monthly	
						•	Daily / Monthly	
	0405-3	Data of Survey				•	Daily / Monthly	
						•	Daily / Monthly	
	0405-5	Source Type				•	Daily / Monthly	
0405	0405-6	Catchment condition				•	Daily / Monthly	
	0405-7	Catchment area(Hectares)				•	Daily / Monthly	
	0405-8	Flow Rate (L/s)				•	Daily / Monthly	
	0405-9	Chlorine Demand (mg/10L)				•	Daily / Monthly	
	0405-10	Hardness (ug/L)				•	Daily / Monthly	
	0405-11	Turbidity (NTU)				•	Daily / Monthly	
2222		5. Customer's information		000000000		100000000		
		Customer ID	•				Daily	
	0405-2	Customer's name	•				Daily	
	0405-3	House ID			٠		Daily	
0.901	0405-4	Type Of Account	•				Daily	
	0405-5	Boundary of plot (land)			•		required	
	0405-6	Customer's status	•				Daily	

For example, such as "updations and itregular update work. For example, such as "updating, if ten information shoets accumulate." Since it is an analysissue identification, SW and JICA expert team will discuss and decide clearly from now on And it will indicate by an operation manual.