

**THEMBELIHLE LOCAL MUNICIPALITY NRW
REDUCTION PROGRAMME
EXECUTIVE SUMMARY OF DMA (PROJECT
AREA) CHARACTERISTICS:
DATE: 26 February 2026**

ID	DMA CHARACTERISTICS	DMA1: (Indicate)										DMA Overall
		Project area 1	Project area 2	Project area 3	Project Area 4	Project Area 5	Project Area 6	Project Area 7	Project Area 8	Project Area 9		
1(a)	Name (or Names) of the Project Area	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)		
1(b)	Strategy no and existing contracts with PSPs (where applicable)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)	(Indicate)		
2	Maximum System Pressure (Bar)											
3	Minimum System Pressure (Bar)											
4	Average System Pressure (Bar)											
5	Total number of registered connections											
6	Number of residential (domestic) customers											
7	Number of commercial customers											
8	Number of Industrial customers											
9	Number of institutional customers											
10	Number of Pressure Reducing Valves (PRV) working (number)											
11	Length of bulk / connector (trunk) water mains (kilometres)											
12	Sizes, materials and ages of bulk / connector (trunk) mains.											
13	Length of reticulation water mains (kilometres)											
14	Sizes, materials and ages of reticulation water mains.											
15	Number of metered customers											
16	Number of unmetered customers											
17	Service connection materials used (stats)											
18	Type of customer meters (if possible, class, age, make, sizes)											
19	Meter reading methodologies and technologies											
20	Intermittent water supply, rationing schedules of the system (where applicable).											
21	Water tariff(s) (cents/KL)											
22	Collection rates (%)											
23	System Input volumes (SIV)											
24	Consumption volumes per month - RESIDENTIAL											
25	Consumption volumes per month - COMMERCIAL											
26	Consumption volumes per month - INDUSTRIAL											
27	Estimated Authorised Unbilled volumes											
28	Estimated Unauthorized consumption volumes											
29	Estimated meter inaccuracy											
30	Breaks statistics (main line and service connections)	Moderate	Moderate	Moderate	Frequent	Frequent	Frequent	Frequent	Frequent	Frequent	17	
31	Minimum Night Flow data	16	4	0	8	52kl/h	16kl/h	52kl/h	29kl/h	23kl/h		
32	Map of the Project Area	Attach Map(s) of the Project Area (DMA1) as an Annexure-available	Attach Map(s) of the Project Area (DMA2) as an Annexure-available	Attach Map(s) of the Project Area (DMA3) as an Annexure-available	Attach Map(s) of the Project Area (DMA3) as an Annexure-available	available	available	available	available	available		
33	Theoretical demand/ erf/day	706 l/erf/day	495 l/erf/day	704 l/erf/day	710 l/erf/day	891 l/erf/day	709 l/erf/day	696 l/erf/day	857 l/erf/day	686 l/erf/day		
34	Current billing 6 month ave	29 l/erf/day	161 l/erf/day	20 l/erf/day	12 l/erf/day	17 l/erf/day	26 l/erf/day	143 l/erf/day	65 l/erf/day	66 l/erf/day		
35	Logged consumption	no data	no data	52 l/erf/day	511 l/erf/day	1256 l/erf/day	1006 l/erf/day	1261 l/erf/day	1011 l/erf/day	1065 l/erf/day		
36	Discrete area	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
37	Reservoir	Outspan	Outspan	Outspan	Outspan	Reeston Reservoir	Reeston Reservoir	Reeston Reservoir	Reeston Reservoir	Reeston Reservoir		
38	Reservoir capacity	18.2 ML	18.2 ML	18.2 ML	18.2 ML	6 ML	6 ML	6 ML	6 ML	6 ML		
39*	Elevated towers (number)	None	None	None	None	None	None	None	None	None		
40*	Pump stations (number)	None	None	None	None	None	None	None	None	None		
41	NRW per project area	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	82%	
42	Physical losses per project area - actual losses										29%	
43	Commercial losses per project area										12%	
44	Unbilled authorised consumption per project area										21%	
45**	DMA bulk meters (number)	MM_017	MM_008	MM_007	MM_012	MM_001	MM_002	MM_003	MM_004	MM_011		
46	Billing analysis available	Under development-needs to be updated	partial	Partial								
47	Billing data available	yes	yes	yes	yes	yes	yes	yes	yes	yes	4269	
48	No Billing data										191	
49	Metered	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
50	Number of erven	1120	660	1887	950	1261	627	977	878	660	4617	
51	Notes	Under development-needs to be updated		Under development-needs to be updated								

* situated within the DMA
** measure inflow and outflows to and from the DMA

52 Possible interventions to reduce NRW and to improve service delivery (PBC) (PLEASE INDICATE IN THE TABLE BELOW FOR EACH PROJECT AREA)

[illegible][illegible]

Bulk metering is at reservoir outlet.			
In place	In place	In place	In place

[illegible]

In place	In place	In place	
In place	In place	In place	

[illegible]

In place	In place	In place	In place	In place	
Yes	Yes	Yes	Yes	Yes	

Pressure management	In place	In place	In place	In place	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Leak detection and fixing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pipe replacement	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Meter audit / replacement	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Retrofitting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water Management devices	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Billing data cleanup	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Check/ secure DMA boundary discreteness	No	No	No	No	Ye s	Ye s	Ye s	Ye s	Ye s	Ye s	Ye s
Punitive tariffs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Introduction of billing in rural areas	No	No	No	No	No	No	No	No	No	No	No
Installation of new water meters in unbilled unmetered and flat rated areas.	Ye s	Ye s	Ye s	Ye s	Ye s	Ye s	Ye s	Ye s	Ye s	Ye s	Ye s
Development of water loss consumer awareness campaign and documentation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Other (please list)											

Billing Data	
	0 - 6 KL
AVG	6 - 10 KL
Consumption	10 - 40 KL
	> 40 KL
Unable to Calculate	Billing has less than 2 Readings in the last 6 month
Consumption	No Billing Data/ Could not be linked
Total Number of Erven	

	0 - 6 KL
AVG	6 - 10 KL
Consumption	10 - 40 KL
	> 40 KL
Unable to Calculate	Billing has less than 2 Readings in the last 6 month
Consumption	No Billing Data/ Could not be linked
Total Number of Erven	

Reeston	
	118
	70
	136
	56
	3899
	87.4%
	4.3%
	4460

Chicken Farm	
	42
	35
	63
	36
	1829
	2415
	54.6%
	4420

Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
No	No	No	No
No	No	No	No
No	No	No	No
No	No	No	No
No	No	No	No
No	No	No	No
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes

No	No	No	
Yes	Yes	Yes	
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Yes	Yes	Yes	
Yes	Yes	Yes	
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Yes	Yes	Yes	

Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
No	No	No	No	No	No
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes

99	2%
85	2%
117	3%
23	1%
3555	89%
120	3%
3999	

1285	18.3%
761	10.8%
1651	23.5%
545	8.0%
2692	38.4%
85	1.2%
7019	