



NAKURU RURAL WATER & SANITATION COMPANY LIMITED

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WATER SOURCES, STORAGE TANKS AND DISTRIBUTION DETAILS

No	Scheme	Component	Parameters and/Status
1.	Eastern water supply scheme	Source: 1. Turasha intake	River abstraction (River Turasha)
		Turasha Treatment Work	Design capacity of treatment works is 1900m ³ /day. Current production is 1,300m ³ per day, Demand - over 19000 m ³ /day.
		Treatment type; Turasha treatment plant	Full treatment
		Pumping Pump No. 1 Pump no. 2	2 No. pumping units. Duty and stand by pumps Pump 1: 100m ³ /hour and operational Pump 2: 100 m ³ / hour and not operational.
		Pakawa borehole	Yield Pakawa borehole: 240m ³ /day and operational.
		Karunga borehole	Yield Karunga borehole: 720 m ³ /day and operational
		NAWASSCO production _ (Malewa source)	Design capacity 2000m ³ /day Current production 2000m ³ /day but very erratic
		Treatment type: NAWASSCO Malewa source	Full convectional treatment plant
	Western water supply scheme	Source: Nguso springs	Spring abstraction
		Treatment type	Design capacity: 5000m ³ /day Treatment type: Half treatment (Chlorination only)
		Pumping: No pumping	Conveyance type: Full gravity conveyance
		Kandutura borehole	Kandutura borehole yield: 720m ³ /day and operational
	Southern water supply scheme	Source: Nguso spring	Spring water abstraction
		Treatment type	Design capacity: 5000m ³ /day Treatment type: Half treatment (Chlorination only)
		Pumping: Two stage pumping (Booster pumps)	2 stage pumping (Booster pumps) Pump 1: Nguso pumps- 100m ³ /hour and operational Pump 2: Kibunja pumps- 100m ³ /hour and operational
		Twin borehole 1	Yield Twin borehole 1: 120m ³ /day and non-operational.

1. Sample for Reference

	Twin borehole 2	Yield Twin borehole 2: 96m ³ /day and operational.
	ADB Borehole-Molo	Yield-720m ³ /day. Operational
	Marishoni borehole	Yield – 720m ³ /day. Operational
	Office borehole Elburgon	Yield – 360m ³ /day. Operational
	ADB Borehole-Elburgon	Yield 720m ³ /day. Non-operational
	High level tank borehole - Molo	Yield 120m ³ /day. Operational
	Mau summit borehole	Yield 720m ³ /day. Operational
	Total A Borehole-Solar powered	Yield 72m ³ /day. Operational
	Total B borehole-Market	Yield 72m ³ /day. Operational
	Silibwet spring	Yield 720m ³ /day. Operational
	Rongai south treatment works	Abstraction: river abstraction. Design capacity 2000m ³ /day. Capacity to Southern scheme 800m ³ /day Treatment type: full convectional treatment plant.
	Pumping: back washing pump	Gravity fed system.
Central water supply scheme	Golf borehole	Yield 120m ³ /day. Operational
	Shell isolated borehole	Yield 120m ³ /day. Operational
	Kerma borehole	Yield 72m ³ /day. Operational
	Manjangwa borehole	Yield 384m ³ /day. Operational with dry running challenges
	Kerma ADB borehole	Non-operational
	Rumwe borehole	Yield 192m ³ /day. Operational
	Njuguine borehole	Yield 240m ³ /day. Operational but frequently dry runs during dry seasons
	Nguriga borehole	Yield 240m ³ /day. Operational but frequently dry runs during dry seasons
	Kiamunyi borehole	Yield 792m ³ /day. Operational
	Gichobo borehole	Yield 240m ³ /day. Operational
	Rongai south treatment works	Abstraction: river abstraction. Design capacity 2000m ³ /day. Capacity to central scheme 1200m ³ /day Treatment type: full convectional treatment plant.
	Pumping: back washing pump	Gravity fed system.

Northern water supply scheme	Subukia spring	Yield 2000m ³ /day. operational
	Ndungiri NAWASSCO water	Imported water from boreholes. Supplied on rationing.
	Bahati Chania	Raw water whose yield is unknown. Shared abstraction point. Share with community practising irrigation.
	Crater stream	Raw water whose yield is unknown. Shared abstraction point. Share with community practising irrigation.
	Kabatini west acre	Raw water whose yield is unknown. Shared abstraction point. Share with community practising irrigation.
Storage Tanks.		
Eastern scheme	High level tank	Reinforced concrete tank. Capacity 2000 m ³ in Gilgil Langalanga area. Operational.
	West comm (Kenyatta barracks) tank	Reinforced concrete tank. Capacity 1000 m ³ . Operational in Gilgil area
	Central tank	Reinforced concrete tank. Capacity 3000 m ³ . Operational in Gilgil town.
	ASTU reservoir	Reinforced concrete tank with a capacity of 1000m ³ . Non-operational due to scarcity of water in the area. The tank is in syndicate, Gilgil area.
	Clear water tank	Reinforced concrete tank with a capacity of 750m ³ . The tank is operational and located within the treatment works in Turasha, Langalanga area.
	Karunga tank	Ground masonry tank located in Karunga area. The tank has a capacity of 200m ³ and is operational.
Northern scheme	Subukia tank	Ground masonry tank with a capacity of 30m ³ . The tank is in Subukia town and is operational.
	Bahati tank	Ground masonry tank with a capacity of 30m ³ . The tank is in Bahati town and is operational.
Southern scheme	Molo high level tank	Reinforced concrete Capacity 500m ³ Location Molo Operational
	Molo high level tank	Reinforced concrete Capacity 400m ³ Location Molo Operational

	Molo high level tank	Reinforced concrete Capacity 150m ³ Location Molo Operational
	Kibunja tank	Reinforced concrete Capacity 150m ³ Location Kibunja Operational
	Chesoan tank	Reinforced concrete Capacity 100m ³ Location Chesoan, Molo Non-operational
	Mutirithia tank	Reinforced concrete Capacity 100m ³ Location Molo Operational
	Molo office tank	Reinforced concrete Capacity 100m ³ Location Molo Operational with leakages
	Molo office tank	Reinforced concrete Capacity 100m ³ Location Molo Operational
	Elburgon high level tank	Reinforced concrete Capacity 3000m ³ Location Elburgon Operational
	Chebonde tank	Gound masonry tank Capacity 150m ³ Location Chebonde, Elburgon Operational
	Elburgon tank	Reinforced concrete Capacity 150m ³ Location Elburgon Operational
	Nguso masonry sump	Ground Masonry tank Capacity 150m ³ Location Nguso Operational with leakages
	Nguso backwashing tank	Ground masonry tank Capacity 10m ³ Location is in Nguso Operational
	Rongai south treatment back washing tank	Reinforced concrete tank Capacity 150 m ³ Location Oinoptich Operational.

	Mau summit tank	Elevated steel tank Capacity 90m ³ Location Mau Summit Operational
	Ketigoi Church tank	Ground masonry tank Capacity 225m ³ Location total, next to Ketigoi church operational
	Rongai south Clear water tank	Ground masonry tank Capacity 100m ³ Location Onoiptich operational
	Silibwet spring sump	Ground masonry tank Capacity 50m ³ Location Total area operational
	Rising Mains	2.5KM 200mm dia. PVC class E to X 1.8KM 220mm dia. GI pipe to Y
Western water scheme	C15 tank	Reinforced concrete tank Capacity 250m ³ Location Salгаа operational
	C25	Reinforced concrete tank Capacity 250m ³ Location Kampi ya moto operational
	E7	Reinforced concrete tank Capacity 315m ³ Location Sobeа operational
	A25	Reinforced concrete tank Capacity 315m ³ Location Burgei operational
	Berbur tank	Elevated steel tank Capacity 24m ³ Location Berbur operational
	Kandutura tank	Reinforced concrete tank Capacity 250m ³ Location Kampi ya moto operational
Central water supply scheme	Njoro office tank	Reinforced concrete tank Capacity 250m ³ Location Njoro operational

	Njoro office steel tank	Steel elevated tank Capacity 600m3 Location Njoro Operational but require maintenance
	Njoro office steel tank	Steel elevated tank Capacity 40m3 Location Njoro Operational but require maintenance
	Njoro water treatment plant	Reinforced concrete tank Capacity 250m3 Location Njoro, Ngongogeri operational
	Njoro water treatment plant	Steel elevated tank Capacity 60m3 Location Njoro, Ngongogeri operational
	Manjangwa elevated tank	Steel elevated tank Capacity 60m3 Location Njoro, Manjangwa operational
	Maili tatu tank	Reinforced concrete tank Capacity 315m3 Location Njoro, Maili tatu operational
	Rumwe tank	Ground masonry tank Capacity 50m3 Location Rumwe, Piave Operational
	Roret tank (Booster pump station)	Ground masonry tank Capacity 50m3 Location Roret town Operational
	Tulwet tank	Ground masonry tank Capacity 100m3 Location Tulwet Operational
	AIC Kapkatet tank	Ground masonry tank Capacity 100m3 Location Kapkatet Operational
	Njuguini tank	Ground masonry tank Capacity 100m3 Location Njuguini Operational
	Njuguini tank	Ground masonry tank Capacity 225m3 Location Njuguini Operational

	Masonic tank	Reinforced concrete tank Capacity 2x1000m ³ Location kiamunyi, Kwa Musoni Non-operational
	Mercy Njeri tank	Reinforced concrete tank Capacity 250m ³ Location kiamunyi, Makiki Non-operational
	Police line tank Naishi	Ground masonry tank Capacity 100m ³ Location Njuguini, Naishi Operational
	Nguriga tank	Ground masonry tank Capacity 100m ³ Location Naishi, Nguriga Operational
	Pwani tank	Ground masonry tank Capacity 100m ³ Location Pwani Operational
	Ndemi tank	Ground masonry tank Capacity 100m ³ Location Ndemi Operational
	Menengai booster tank	Reinforced concrete tank Capacity 150m ³ Location Kiamunyi, Menengai Non-operational
Eastern supply scheme	Distribution and transmission Mains	Ductile iron, DN 300 mm Length 5,153.3 Meter Galvanized iron, DN 63 mm length 16.7 meters Galvanized iron, DN 600 mm length 10,156.3 meters Galvanized iron, DN 150 mm length 3,547.1 meters Galvanized iron, DN 110 mm length 3,464.6 meters HDPE, DN 50 mm length 8,810.5 meters HDPE, DN 90 mm length 103,570.4 meters HDPE, DN 63 mm length 8,285.5 meters Upvc, DN 50 mm length 224,395.5 meters Upvc, DN 32 mm length 115,657.4 meters Upvc, DN 300 mm length 6,836.3 meters Upvc, DN 150mm length 8,141.8 meters Upvc, DN 110 mm length 16,692.9 meters Steel pipe, DN 600-450 mm length 49,000 meters Upvc, DN 350-110 mm length 16,371.2 meters.

	Northern water scheme	Distribution and transmission mains	Galvanized iron, DN 110 mm length 680.3 meters Upvc, DN 110 mm length 9,856.3 meters Upvc, DN 150 mm length 3,383.6 meters Upvc, DN 32 mm length 4,143.4 meters Upvc, DN 50 mm length 3,023.4 meters Upvc, DN 63 mm length 17,477.3 meters Upvc, DN 90mm length 9,471.3 meters
	Southern water supply scheme	Distribution and transmission mains	Galvanized iron, DN 110 mm length 528.7 meters Galvanized iron, DN 150 mm length 2733.8 meters Galvanized iron, DN 300 mm length 9,696.1 meters Galvanized iron, DN 32 mm length 935.2 meters Galvanized iron, DN 50mm length 4,876.1 meters Galvanized iron, DN 90 mm length 7,269.1 meters HDPE, DN 32 mm length 11,641.9 meters HDPE, DN 63 mm length 5,315.2 meters HDPE, DN 90 mm length 4,714.6 meters Upvc, DN 32 mm length 1,163.3 meters Upvc, DN 50 mm length 1,231.2 meters Upvc, DN 600 mm length 851.2 meters Upvc, DN 63 mm length 1,643.8 meters Upvc, DN 90 mm length 995.3 meters
	Western water supply scheme	Distribution and transmission mains	Galvanized iron, DN 110 mm length 41,581.2 meters Galvanized iron, DN 150 mm length 34,070.1 meters Galvanized iron, DN 200 mm length 19,063.4 meters Galvanized iron, DN 300 mm length 35,405 meters Galvanized iron, DN 32 mm length 1,166 meters Galvanized iron, DN 50mm length 1,314.6 meters Galvanized iron, DN 600 mmm length 1,215.8 meters Galvanized iron, DN 63 mm length 388.2 meters Galvanized iron, DN 90 mm length 580 meters PPR, DN 32 mm length 490.3 meters Upvc, DN 90 mm length 1,339.2 meters Upvc, DN 32 mm length 13,604.9 meters Upvc, DN 450 mm length 3,801.1 meters Upvc, DN 50 mm length 33,500.9 meters

			Upvc, DN 63 mm length 20,787 meters Upvc, DN 90 mm length 14,479.1 meters
	Central water supply scheme	Distribution and transmission mains	Galvanized iron, DN 110 mm length 4,694.8 meters Galvanized iron, DN 150 mm length 3,082.3 meters Galvanized iron, DN 200 mm length 861.1 meters Galvanized iron, DN 250 mm length 1,642 meters Galvanized iron, DN 32 mm length 4,043.5 meters Galvanized iron, DN 150 mm length 22,522.8 meters HDPE, DN 32 mm length 3,735.8 meters Upvc, DN 110 mm length 3,482.3 meters Upvc, DN 150 mm length 1,925.4 meters Upvc, DN 200 mm length 2,255.9 meters Upvc, DN 250 mm length 1,760.5 meters Upvc, DN 32 mm length 55, 191.1 meters Upvc, DN 50 mm length 32,462 meters Upvc, DN 63 mm length 22,535.2 meters Upvc, DN 90 mm length 13,924.2 meters

