

- (viii) Ring-Fencing of Capital Expenditure: The WSP to open a separate account for capital component of the tariff, to deposit the appropriate share of revenue into this account which is only to be used for capital expenditure and repayment of loans as provided for in the approved tariff.
- (ix) Creation of distinct water and sewer cost centres: LIWASCO will ensure it creates separate water and sewer cost centres and maintains distinct record of operations of the two centres.
- (x) Customer re- categorisation for billing: LIWASCO will separate individual domestic accounts from Multi-Dwelling Units accounts and migrate consumer billing data within the first 3 months of tariff approval and implementation of the tariff. The detailed report should be submitted to WASREB.
- Pursuant to this, the WSP shall bill all MDU / Gated communities at the recommended MDU/ Gated Community tariff for Water, Sewerage and other Miscellaneous charges specified in this tariff.
- (xi) Tariff Assessment: WASREB will carry out a tariff implementation review within the first 12 months of approval and implementation during which a joint assessment with the utility on the trend in Billing (Ksh) shall be carried out and status of implementation of the tariff evaluated.
- (xii) Investments: The utility shall undertake the investments in Annex 1

## Annex 1 – INVESTMENTS

SUMMARY OF CAPITAL INVESTMENTS TO BE CARRIED OUT BY LIMURU WATER AND SEWERAGE COMPANY LIMITED FOR THE PERIOD 2022/23 – 2025/26				
Proposed Investment	2022/23	2023/24	2024/25	2025/26
Water Meters -New Connections	3,780,000	4,961,250	5,730,243	6,563,733
Smart Meters	3,937,500	4,134,500	4,341,000	4,558,250
Sewer Improvements	-	-	-	10,546,224
Water System Extensions	3,187,620	3,506,388	3,857,027	4,242,729
Water System Rehabilitation		7,621,803	10,167,423	12,772,122
Lay 13km assorted pipeline network for Tiekunu	-	-	8,551,743	-
Solarisation of Boreholes	6,923,498	2,864,626	1,505,150	1,906,509
Meter replacements	2,835,000	2,976,600	3,125,400	3,282,000
Laptops	310,000	465,000	-	-
Motorbikes	480,000	480,000	480,000	480,000
Smartphones	-	-	375,000	-
Desktop Phones and Accessories	40,000	-	-	-
ERP system	5,000,000	-	3,500,000	3,500,000
Document Management System	-	2,000,000	-	-
Centralized Power back up system	-	600,000	-	-
Public Address system inclusive of a generator	-		300,000	-
CCTV	300,000	300,000	600,000	-
Digital cameras	-	200,000	-	-
Furniture set - Desk and Chair	-	165,000	-	-
Steel file Cabinets	25,000	25,000	25,000	25,000
Fire Extinguishers	100,000	-	-	-
TOTALS	26,918,618	30,300,167	42,557,986	47,876,567

JULIUS K. ITUNGA,  
Ag. Chief Executive Officer.

MR/4245732

GAZETTE NOTICE No. 1309

THE WATER ACT

(No. 43 of 2016)

## NAROK WATER AND SEWERAGE SERVICES COMPANY

## APPROVED TARIFF STRUCTURE FOR THE PERIOD 2122/2023 TO 2024/2025

Narok Water and Sewerage Services Company (NARWASSCO) applied to the Water Services Regulatory Board (WASREB) for a review of tariffs for water services, for the period 2022/2023 to 2024/2025 as per section 72 (1) b of the Water Act, 2016.

Public consultation on the NARWASSCO application was carried out in accordance to the requirements of section 139 of the Water Act 2016.

After considering the application, the written and oral submissions by all stakeholders during the consultation period, and based on latest available data, WASREB has determined an upward tariff review for NARWASSCO is justified in order to improve service delivery, operate sustainably and protect consumer interests by meeting the tariff conditions attached to the tariff.

WASREB gives a one (1) months' notice to all existing and potential customers of NARWASSCO that the approved tariffs for the three financial years 2022/23, 2023/24, and 2024/25 shall be as follows:

## 1.0 Approved Tariff Structure

## 1.1 Water Tariff Structure for the period 2022/2023 to 2024/2025

Customer Category	Approved	
Domestic/Residential	Consumption Block in M <sup>3</sup>	Tariff (KSh/M <sup>3</sup> )
	1-6	90.00
	7-20	125.00
	21-50	135.00
	51-100	145.00
	101-300	160.00
	>300	180.00
Commercial/Industrial		
	1-50	125.00
	51-100	145.00
	101-300	160.00
	>300	180.00
Government Institutions		
	1-50	125.00
	51-100	145.00
	101-300	160.00
	>300	180.00
Schools, Universities and Colleges		
	1-600	110.00
	601 - 1200.	140.00
	>1200	160.00
Multi dwelling Units/ Gated Communities	Per M <sup>3</sup>	130.00
Water Bowsing Points	Per M <sup>3</sup>	130.00
Water Kiosks	Per M <sup>3</sup>	35.00

## 1.2 Sewerage Tariff Structure for the period 2022/2022 to 2024/2025

## (a) Consumers with a Water Connection

Sewerage will be charged at 75% of the water volumes, billed at the tariff for water specified (in 1.1) above for all customer categories.

## (b) Consumers without a Water Connection

Sewerage consumers without a water connection shall be charged as follows:

- Domestic (Per single dwelling unit): KSh. 350 per month
- All other categories: 75% of the volume of water consumed as per the metered source at the rates specified (in 1.1) above

Note: All disconnected accounts (water only, sewer only and water + sewer shall be charged based on the average of the last three months' charges before the disconnection.

## 1.3 Miscellaneous Charges

These shall be as follows:

Item/Service	Charge (KSh.)
<b>Water Deposit</b>	
<b>Category of Consumer</b>	
Domestic	2,500
Retail shops less than 10m <sup>3</sup>	3,000
Retail shops more than 10m <sup>3</sup>	3,500
Bar, restaurants less than 15 m <sup>3</sup>	4,000
Bar, restaurants more than 15 m <sup>3</sup>	6,000
Hotel class "A" and "B" less than 150 m <sup>3</sup>	12,000
Hotel class "A" and "B" more than 150 m <sup>3</sup>	15,000
Hotel class "C" and "D" less than 150 m <sup>3</sup>	18,000
Hotel class "C" and "D" more than 150 m <sup>3</sup>	20,000
Hospitals more than 150 m <sup>3</sup>	20,000
Health centres less than 150 m <sup>3</sup>	12,000
Schools and other institutions more than 200 m <sup>3</sup>	20,000
Schools less than 200 m <sup>3</sup>	10,000
Minor construction sites more than 200 m <sup>3</sup>	15,000
Major construction sites more than 300 m <sup>3</sup>	50,000
Light industries less than 200 m <sup>3</sup>	30,000
Medium industrial between 200 m <sup>3</sup> and 300 m <sup>3</sup>	50,000
Heavy industries more than 300 m <sup>3</sup>	100,000
Water kiosks	5,000
Customers with only sewer connection to be charged a deposit equivalent to water connection	
<b>Other Charges</b>	
<b>Service</b>	
New water connection fee – Connection size: ½ inch to 1 inch	2,500
New water connection fee – Connection size: 1.5 inches to 3 inches	7,500
New water connection fee – Connection size above 3 inches	15,000
Water Reconnection fee – at meter point	1,000
Water Reconnection fee – at mains	5,000 and double deposit
Tanker – 8000, 16,000 litres	2,500, 5,000 respectively per tanker within NARWASSCO area for all consumers
Sale of water per m <sup>3</sup> at bowring point (own tanker)	125
Replacement of stolen or damaged meters	100% of the market cost of the meter
Meter testing on request	500
Sewer Connection- Residential/ Domestic	5,000
Sewer Connection- Commercial, Government, schools, Universities and Colleges	7,500
Sewer Connection- Industrial	15,000
Private sewer unblocking	2,500
Leak detection services	1,000
Sewer Reconnection fee	15,000
Statement of account fees	200
For cutting off the supply at the request of the consumer	200
For turning on the supply otherwise than in respect of a first connection	200
Exhauster Services (Company Exhauster)	5,000 for other customers and 4,000 for informal settlements
Private Exhausters (Dumping into the company's sewer system)	15,000 per Truck per month
<b>Penalties</b>	
Illegal water connection, -Commercial, Industry, Construction (Fraud)	100,000 plus estimated consumption during the period of the illegality

Item/Service	Charge (KSh.)
Illegal water connection, (Fraud) – Domestic	30,000 plus estimated consumption during the period of the illegality
Overcharging (fraud) at water kiosk	15,000
Illegal sewer connection- Commercial, Industry, Construction	100,000
Illegal sewer connection- Domestic, Government, schools, Universities & Colleges	30,000
Self-reconnection after cut off for non-payment	5,000 and billing to be backdated from date of cut off
Surcharge for tampering with meters (this to include meter removal, reversing of meter etc)	10,000
Surcharge for direct suction of water from the supply line using a pump	10,000

## 2.0 Analysis of Cost Structure

Below is the summary of the projected Annual cost structure that makes up the total costs to be incurred by NARWASSCO during the tariff period:

Expenditure Item	2019/20	Base Year 2020/21	2021/22	2022/23	2023/24	2024/25
Operations	84,304,543	78,901,625	84,820,313	88,794,380	92,944,064	97,034,212
Maintenance	12,111,010	15,947,323	16,891,916	17,344,718	17,810,515	18,289,711
Regulatory Levy	3,135,349	3,262,275	3,329,234	3,649,424	3,849,435	4,015,151
Other Levies	822,165	886,516	930,842	977,384	1,026,253	1,077,566
Minor Investments	-	625,542	781,928	2,793,600	2,543,600	2,543,600
Total Costs	100,373,067	99,623,281	106,754,233	113,559,506	118,173,867	122,960,240
Total Billing (KShs)	81,834,680	84,952,120	105,583,132	127,863,607	133,468,114	140,668,301
Collection Efficiency (%)	90%	89%	89%	90%	91%	92%
Projected Revenue	73,468,509	75,433,925	93,968,987	115,077,246	121,455,984	129,414,837
Total Cost Coverage	73%	76%	88%	101%	103%	105%

## 3.0 Conditions attached to the Tariff Approval

The conditions attached to this approval which shall form part of the license conditions of Narok Water and Sewerage Services Company are:

### (i) Service Delivery Conditions attached to the Tariff

Target	2021/2022	2022/2023	2023/2024	2024/2025
Water Coverage (%)	34	36	38	40
Water quality standards (%)	100% Compliance with Water Quality Standards			
Personnel Expenditure as % of O&M	36	36	36	36
Non-Revenue Water (%)	25	25	25	25
Hours of Supply (Hrs.)	8	10	12	14
Staff per 1000 connections	20	19	18	17
Maintenance Expenditure as % of O&M	16%	16%	16%	15%
Metering ratio (%)	100	100	100	100
Collection Efficiency (%)	89%	90%	91%	92%

Resale at Kiosk	Regulate resale by kiosk vendors at KSh. 2 per 20-litres. Tariffs at kiosks must be displayed at strategic points for public awareness
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- (ii) Annual budgets: The utility shall adhere to the budgetary levels set in the tariff during the tariff validity period.
- (iii) Surpluses: The surpluses projected to be realised shall be set aside to implement priority service delivery capital projects. NARWASSCO shall be required at the end of every financial year to identify the priority project to be implemented and obtain approval from WASREB.
- (iv) Catchment Protection: The utility shall undertake measures to conserve/ protect the catchment areas of their source of water as part of Corporate Social Responsibility.
- (v) Reporting: The utility shall submit to WASREB a quarterly performance report in the format provided.
- (vi) Creation of distinct water and sewer cost centres: NARWASSCO will ensure it creates separate water and sewer cost centres and maintains distinct record of operations of the two centres.
- (vii) Tariff Assessment: WASREB will carry out a tariff implementation review within the first 12 months of approval and implementation during which a joint assessment with the utility on the trend in Billing (Ksh) shall be carried out and status of implementation of the tariff evaluated.
- (viii) Customer re- categorisation for billing: NARWASSCO will separate individual domestic accounts from Multi-Dwelling Units accounts and migrate consumer billing data within the first 3 months of tariff approval and implementation of the tariff. The detailed report should be submitted to WASREB.
- Pursuant to this, the WSP shall bill all MDU / Gated communities at the recommended MDU/ Gated Community tariff for Water, Sewerage and other Miscellaneous charges specified in this tariff.
- (ix) Ring-Fencing of Capital Expenditure: The WSP to open a separate account for capital component of the tariff, to deposit the appropriate share of revenue into this account which is only to be used for capital expenditure and repayment of loans as provided for in the approved tariff.
- (x) Investments: The utility shall undertake the investments in Annex

## Annex 1—INVESTMENTS

SUMMARY OF CAPITAL INVESTMENTS TO BE CARRIED OUT BY NAROK WATER AND SEWERAGE SERVICES COMPANY LTD. FOR THE PERIOD 2022/23 – 2024/25			
<i>NRW Reduction Plan</i>	2022/23	2023/24	2024/25
Procurement and Installation of Regional Master Meter (Enda and Pulung'a Areas)	292,000		
Procure, Install and test 2 NO, of DN 100 Flanged bulk water meter			
Provide and deliver DN100 GS, VJ Flanged adapter			
Supply and deliver a flanged sluice valve DN100			
Construct a masonry 2 No Valve chambers, (2m length*1.2m depth * 1m wide) with a concrete cover			
Sub-Total	292,000	-	-
Procurement and Installation of Regional Master Meter (Mwemba and Majengo Area)	292,000		
Procure, Install and test 2 NO, of DN 100 Flanged bulk water meter			
Provide and deliver DN100 GS, VJ Flanged adapter			
Supply and deliver a flanged sluice valve DN100			
Construct a masonry 2 No Valve chambers, (2m length*1.2m depth * 1m wide) with a concrete cover			
Sub-Total	-	292,000	-

SUMMARY OF CAPITAL INVESTMENTS TO BE CARRIED OUT BY NAROK WATER AND SEWERAGE SERVICES COMPANY LTD. FOR THE PERIOD 2022/23 – 2024/25			
Procurement and Installation of Regional Master Meter (Ololulung'a Scheme)	292,000		
Procure, Install and test 2 NO, of DN 100 Flanged bulk water meter			
Provide and deliver DN100 GS, VJ Flanged adapter			
Supply and deliver a flanged sluice valve DN100			
Construct a masonry 2 No Valve chambers, (2m length*1.2m depth * 1m wide) with a concrete cover			
Sub-Total	-	-	292,000
Procurement of 5 No pressure loggers	250,000		
Customer Meter Replacement	500,000	500,000	500,000
Sub-Total	750,000	500,000	500,000
REPLACEMENT OF NWTP PUMPING SETS			
Procure, install and test 1 NO vertical multistage Centrifugal pump coupled to a 3-phase motor complete with control panel capable of pumping 90m <sup>3</sup> /hour at a total head of 150 m	1,751,600	1,751,600	1,751,600
Supply and install appropriate electrical cables, earthing and accessories within the pump house			
Supply and install appropriate electrical cables, earthing and accessories within the pump house			
Sub-Total	1,751,600	1,751,600	1,751,600
Grand Total	2,793,600	2,543,600	2,543,600

JULIUS K. ITUNGA,  
Ag. Chief Executive Officer.

GAZETTE NOTICE NO. 1310

## THE WATER ACT

(No. 43 of 2016)

## NGAGAKA WATER AND SANITATION COMPANY

## APPROVED TARIFF STRUCTURE FOR THE PERIOD 2022/2023 TO 2024/2025

Ngagaka Water and Sanitation Company (NGAWASCO) applied to the Water Services Regulatory Board (WASREB) for a review of tariffs for water services, for the period 2022/2023 to 2024/2025 as per section 72 (1) b of the Water Act, 2016.

Public consultation on the NGAWASCO application was carried out in accordance to the requirements of section 139 of the Water Act 2016.

After considering the application, the written and oral submissions by all stakeholders during the consultation period, and based on latest available data, WASREB has determined an upward tariff review for NGAWASCO is justified in order to improve service delivery, operate sustainably and protect consumer interests by meeting the tariff conditions attached to the tariff.

WASREB gives a one (1) months' notice to all existing and potential customers of NGAWASCO that the approved tariffs for the three financial years 2022/23, 2023/24, and 2024/25 shall be as follows:

## 1.0 Approved Tariff Structure

## 1.1 Water Tariff Structure for the period 2022/2023 to 2024/2025

Customer Category	Approved	
Domestic/Residential	Consumption Block in M <sup>3</sup>	Tariff (KSh/M <sup>3</sup> )
	1-6	45.00
	7-20	60.00