

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 NNWCA during the tariff period:

Expenditure Item	Base Year 2020/21	2021/22	2022/23	2023/24	2024/25
Operations	48,425,445	49,727,049	52,230,549	55,025,737	57,379,621
Maintenance	3,246,000	3,435,550	3,637,303	3,852,140	4,081,017
Regulatory Levy	1,973,312	3,292,097	3,122,620	4,666,721	4,706,816
Other Levies	814,999	1,379,725	1,407,320	1,435,466	1,464,175
Debt Repayment	9,920,000	16,640,000	16,640,000	9,920,000	4,120,220
Minor Investments	-	-	24,100,000	26,100,000	28,500,000
Total Costs	64,379,756	74,474,421	101,137,791	101,000,064	100,251,850
Total Billing (KShs)	63,457,705	78,065,501	116,668,018	117,670,399	119,429,910
Collection Efficiency (%)	86%	88%	89%	90%	91%
Projected Revenue	54,573,626	68,697,641	103,834,536	105,903,359	108,681,218
Total Cost Coverage	85%	92%	103%	105%	108%

3.0 Conditions attached to the Tariff Approval.

The conditions attached to this approval which shall form part of the license conditions of Ngandori-Nginda Water Consumers Association are:

(i) Service Delivery Conditions attached to the Tariff

Target	Base Year 2020/21	2021/22	2022/23	2023/24	2024/25
Water Coverage (%)	88%	90%	92%	94%	96%
Water quality standards (%)	93%	100% Compliance with Water Quality Standards			
Personnel Expenditure as % of O&M	50%	49%	48%	47%	46%
Hours of Supply (Hrs)	24	24	24	24	24
Staff per 1000 connections	5	5	5	5	5
Non-Revenue Water (NRW)	34%	33%	32%	31%	30%
Metering ratio (%)	100%	100%	100%	100%	100%
Collection Efficiency (%)	86%	88%	89%	90%	91%
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			

- (ii) Annual budgets: The utility shall adhere to the budgetary levels set in the tariff.
- (iii) Surpluses: The surpluses projected to be realised shall be set aside to implement priority service delivery capital projects. NNWCA 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) 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.
- (vii) Customer re- categorisation for billing: NNWCA 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.

- (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) Investments: The utility shall undertake the investments in Annex 1

Annex 1—INVESTMENTS

SUMMARY OF CAPITAL INVESTMENTS TO BE CARRIED OUT BY NGANDORI-NGINDA WATER CONSUMERS ASSOCIATION (NNWCA) FOR THE PERIOD 2022/23 – 2024/25			
NRW Reduction Plan	2022/23	2023/24	2024/25
Activity			
Purchase and Installation of Ultrasonic 150 mm (1 No.) for Nembure	300,000	-	-
Purchase and Installation of Ultrasonic (3 No.) for Kanguru	-	1,200,000	-
Purchase and Installation of Ultrasonic 150mm (2 No.) for Kairuri	-	-	600,000
Purchase and Installation of 2No Ball Valves for 2 Tanks	-	400,000	-
Purchase and Installation of Ultrasonic 150mm (2 No.) for Kathengariri and Kibigu	-	-	600,000
Purchase of GIS Equipment and Software	-	-	1,500,000
	300,000	1,600,000	2,700,000
Rehabilitation of Pipeline and New Network Extension			
Area			
Replacement of dilapidated pipeline networks	-	10,000,000	15,600,000
Rehabilitation of Service line (Gatuturi line HDPE 50mm for 6km)	1,800,000	-	-
Rehabilitation of Service line (Itithe Line, Mbukori Line line HDPE 63mm for 8km)	-	2,000,000	1,200,000
Rehabilitation of Service line (Kamviu and Njakairi line HDPE 50mm for 5km)		1,500,000	-
Laying of 315mm pipeline from Muthigi t/works to Enos	20,000,000	-	-
	21,800,000	13,500,000	16,800,000
Metering			
Purchase and Installation of 1/2' 3000 New Connections (Consumer meters)	2,000,000	4,000,000	2,000,000
	2,000,000	4,000,000	2,000,000
Acquisition of other assets			
Construction of 1,225m ³ storage tank (4No)	-	7,000,000	7,000,000
	-	7,000,000	7,000,000
Totals	24,100,000	26,100,000	28,500,000

JULIUS K. ITUNGA,
Ag. Chief Executive Officer.

MR/4245732

GAZETTE NOTICE No. 1312

THE WATER ACT

(No. 43 of 2016)

NYASARE SUPPLY WATER AND SANITATION COMPANY

APPROVED TARIFF STRUCTURE FOR THE PERIOD 2022/2023 to 2024/2025

Nyasare Supply Water and Sanitation Company (NYAWASSCO) 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 NYAWASSCO 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 NYAWASSCO 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 NYAWASSCO 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 ³	Tariff (KSh/M ³)
	1-6	85
	7-20	105
	21-50	125
	51-100	160
	101-300	180
	>300	200
Commercial/Industrial		
	1-50	125
	51-100	160
	101-300	180
	>300	200
Government Institutions		
	1-50	125
	51-100	160
	101-300	180
	>300	200
Schools, Universities and Colleges		
	1-600	100
	601 - 1200	200
	>1200	300
Multi -Dwelling Units/Gated Communities (More than 20 Shared Connections)	per m ³	105
Water kiosks	per m ³	35

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:

- Single dwelling Domestic 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.)
Water Deposit	
Category of Consumer	
Domestic	2,500
Retail shops less than 10m ³	3,000
Retail shops more than 10m ³	3,500
Bar, restaurants less than 15 m ³	4,000
Bar, restaurants more than 15 m ³	6,000
Hotel class "A" and "B" less than 150 m ³	12,000
Hotel class "A" and "B" more than 150 m ³	15,000
Hotel class "C" and "D" less than 150 m ³	18,000
Hotel class "C" and "D" more than 150 m ³	20,000
Hospitals more than 150 m ³	20,000
Health centres less than 150 m ³	12,000
Schools and other institutions more than 200 m ³	20,000
Schools less than 200 m ³	10,000
Minor construction sites more than 200 m ³	15,000
Major construction sites more than 300 m ³	50,000
Light industries less than 200 m ³	30,000
Medium industrial between 200 m ³ and 300 m ³	50,000
Heavy industries more than 300 m ³	100,000
Water Kiosks	5,000
Customers with only sewer connection to be charged a deposit equivalent to water connection	
Other Charges	
Service	
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 NYAWASSCO area for all consumers
Sale of water Per M ³ at bowing point (own tanker)	105
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
Penalties	
Illegal water connection, -Commercial, Industry, Construction (Fraud)	100,000 plus estimated consumption during the period of the illegality
Illegal water connection, (Fraud) – Domestic	30,000 plus estimated consumption during

Item/ Service	Charge (KSh.)
	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 and 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 NYAWASSCO during the tariff period:

Expenditure Item	2019/20	Base Year 2020/21	2021/22	2022/23	2023/24	2024/25
Operations	3,573,837	3,898,640	4,975,565	5,133,414	5,301,263	5,477,103
Maintenance	690,540	662,762	621,810	690,705	697,612	704,589
Regulatory Levy	50,852	552,007	220,535	411,100	423,153	435,231
Minor Investments	-	-	-	3,087,750	3,176,300	3,020,600
Loan Repayment	-	-	-	-	-	-
Total Costs	4,315,229	5,113,409	5,817,910	9,322,968	9,598,328	9,637,523
Total Billing (Ksh's)	5,085,164	5,369,562	6,443,474	10,277,490	10,578,828	10,880,769
Collection Efficiency (%)	91%	93%	93%	95%	95%	95%
Projected Revenue	4,628,484	4,969,033	5,992,431	9,763,616	10,049,886	10,336,731
Total Cost Coverage (%)	107%	97%	103%	105%	105%	107%

3.0 Conditions attached to the Tariff Approval

The conditions attached to this approval which shall form part of the license conditions of Nyasare Supply Water and Sanitation Company are:

(i) Service Delivery Conditions attached to the Tariff

Target	Base Year 2020/21	2021/2022	2022/2023	2023/2024	2024/2025
Water quality standards (%)	93%	100% Compliance with Water Quality Standards			
Water Coverage	37%	37%	40%	43%	46%
Non-Revenue Water %	37%	33%	30%	28%	26%
Hours of Supply (Hrs)	8	8	9	10	11
Staff per 1000 connections	8	8	7	6	5
Metering ratio (%)	100%	100%	100%	100%	100%
Collection Efficiency (%)	92%	93%	95%	95%	95%
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			

(ii) Annual budgets: The utility shall adhere to the budgetary levels set in the tariff.

(iii) Surpluses: the surpluses projected to be realised shall be set aside to implement priority service delivery capital projects. NYAWASSCO shall be required at the end of every financial year to identify the priority project to be implemented and obtain approval from WASREB.

(iv) Customer re- categorisation for billing: The WSP shall bill all MDU / Gated communities at the proposed MDU/ Gated Community tariff for Water and other Miscellaneous charges specified in this tariff.

(v) Catchment Protection: The utility shall undertake measures to conserve/ protect the catchment areas of their source of water as part of Corporate Social Responsibility.

(vi) Customer re- categorisation for billing: NYAWASSCO 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.

(vii) 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.

(viii) Reporting: The utility shall submit to WASREB a quarterly performance report in the format provided.

(ix) 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.

(x) Investments: The utility shall undertake the investments in Annex

Annex 1 – INVESTMENTS

SUMMARY OF MINOR INVESTMENTS TO BE CARRIED OUT BY NYASARE WATER SUPPLY AND SANITATION COMPANY LIMITED FOR THE PERIOD 2022/2023 – 2024/2025					
	Target Area	Size of meter	2022/2023 KSh's	2023/2024 KSh's	2024/2025 KSh's
Metering:					
Bulk Meter (Production meters)	Springs zone	50mm	210,000	-	-
Master meters 4"	Springs zone	100mm	360,000	-	-
Consumer Meters - New Connections	Various	15mm	492,000	40,000	370,000
		20mm	-	96,300	-
Sub - Total			1,062,000	136,300	370,000
Extensions and Rehabilitations	Area	Size	2022/2023 Ksh.	2023/2024 Ksh.	2024/2025 Ksh.
Specific Works					
Rehabilitation of pipeline	Kapiche	2.8km	630,000	-	2,215,600
Replacement of worn-out valves	NYAWASSCO	Lot	-	1,180,000	-
Extension of pipelines	Onyalo zone	1.5km	1,395,750	1,240,000	-
Road Crossing and Marker Post	Various		-	-	175,000
Sub - Total			2,025,750	2,556,300	2,760,600
Acquisition of Movable Assets	Specifications		2022/2023 Ksh.	2023/2024 Ksh.	2024/2025 Ksh.
Procurement of Motorbikes	Suzuki t185				260,000
Pumping Equipment	Supply and install submersible pump capable of delivering 8m3/hr of water against a head of 200m complete with a 15 HP motor			500,000	
	Supply and install an			120,000	

	automatic control panel-6KVA control panel complete with all the necessary accessories			
Sub - Total			620,000	260,000
Grand Total		3,087,750	3,176,300	3,020,600

MR/4245732

JULIUS K. ITUNGA,
Ag. Chief Executive Officer.

GAZETTE NOTICE NO. 1313

THE WATER ACT

(No. 43 of 2016)

NAIROBI CITY WATER AND SEWERAGE COMPANY

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

Nairobi City Water and Sewerage Company (NCWSC) applied to the Water Services Regulatory Board (WASREB) for a review of tariffs for water services, for the period 2021/2022 to 2024/2025 as per section 72 (1) b of the Water Act, 2016.

Public consultation on the NCWSC 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 NCWSC 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 NCWSC that the approved tariffs for the four financial years 2022/23, 2023/24 and 2024/25 shall be as follows:

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 ³	Tariff (KSh/M ³)
	1-6	45
	7-20	67
	21-50	70
	51-100	76
	101-300	78
	>300	80
Commercial/Industrial		
	1-50	67
	51-100	76
	101-300	78
	>300	80
Government Institutions		
	1-50	67
	51-100	76
	101-300	78
	>300	80
Schools, Universities and Colleges	1-600	50
	601 - 1200	55
	>1200	60
Multi dwelling Units (MDU)/ Gated Communities (per m ³)		67
Bulk Water Supply to other Public Utilities (per m ³)		32
Water Kiosk (per m ³)		22

1.2 Sewerage Tariff Structure for the period 2022/2023 to 2024/2025

(a) Consumers with a Water Connection

Customer Category	Approved Tariff
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Domestic/Residential	Consumption Block in m ³ (75 % of water consumed)	Tariff
	1-6	43
	7-20	56
	21-50	63
	51-100	65
	101-300	68
	>300	72
Commercial/Industrial/ Government		
	1-50	56
	51-100	65
	101-300	68
	>300	72
Schools, Universities and Colleges		
	1-600	43
	601 - 1200	45
	>1200	50
Multi dwelling Units (MDU)/ Gated Communities	(per m ³)	56
Bulk Sewerage customers (From Public WSPs)	(per m ³)	30

(b) Consumers without a Water Connection

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

- Domestic customers without a metered source of water (Per Single dwelling unit): KSh. 350 per month
- All other categories: 75% of the volume of water consumed as per the metered source of water including boreholes, at the tariff below: -

Consumption Block (m ³)	Recommended Tariff (KSh/M ³)
1-6m ³	43
7-20m ³	56
21-50m ³	63
51-100 m ³	65
101-300 m ³	68
>300m ³	72

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 Indexation of the Approved Tariff

The utility's approved tariffs for water and sewerage shall be eligible for annual indexation, as per the regulations of the Water Services Regulatory Board (WASREB). The inflation adjustment shall come into effect every July of the tariff period commencing July 2024.

1.4 Miscellaneous Charges

These shall be as follows:

Item/ Service	Charge (KSh.)
Water Deposit	
Category of Consumer	
Domestic	2500
Multi Dwelling Units (MDU - Small); 4-10 units	5,000
Multi Dwelling Units (MDU - Medium); 11-20 units	10,000
Multi Dwelling Units (MDU - Large); > 21 units	20,000
Retail shops less than 10m ³	3000
Retail shops more than 10m ³	3,500
Bar, restaurants less than 15 m ³	4,000
Bar, restaurants more than 15 m ³	6,000
Hotel less than 150 m ³	12,000
Hotel more than 150 m ³	15,000
Hospitals more than 150 m ³	20,000
Health centres less than 150 m ³	12,000