

Target	2021/2022	2022/2023	2023/2024	2024/2025
Water Coverage (%)	80	82	84	86
Water quality standards (%)	100% Compliance with Water Quality Standards			
Non-Revenue Water (%)	35	33	31	29
Hours of Supply (Hrs.)	18	20	22	24
Staff per 1000 connections	6	5	5	5
Metering ratio (%)	100	100	100	100
Collection Efficiency (%)	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. KIAWASCO 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: KIAWASCO will ensure it creates separate water and sewer cost centres and maintains distinct record of operations of the two centres.
- (vii) Customer re- categorisation for billing: KIAWASCO 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) 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.

Additionally, an assessment will be carried out on progress of the separate water and sewer cost centres and maintenance of distinct record of operations of the two centres.

- (x) Debt Repayment: KIAWASCO will shall remit monthly loan repayments as detailed below:

KIAWASCO Loan Repayment Plan	Year 0	Year 1	Year 2	Year 3
	2021/2022	2022/2023	2023/2024	2024/2025
Recommended debt repayment per annum	-	22,601,773	22,389,881	22,177,990

Evidence of loan repayment to AWWDA shall be submitted to WASREB monthly by the 10th day of the following month.

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

#### ANNEX 1—INVESTMENTS

SUMMARY OF CAPITAL INVESTMENTS TO BE CARRIED OUT BY KIAMBUR WATER AND SANITATION COMPANY LIMITED FOR THE PERIOD 2022/23 – 2024/25			
Recommended Investments	2022/2023	2023/2024	2024/2025
Water Meters and New Connections fittings	7,740,000	8,600,000	9,460,000
Meter replacements	5,000,000	5,200,000	5,400,000
Computers	775,000	800,000	825,000
Laptops	775,000	800,000	825,000
Shared Printer	-	-	600,000
Thermal Printer	-	110,000	-
Motorbikes	1,440,000	-	-
Smartphones Rugged	264,000	276,000	300,000
Intercom: Switch Board and Headsets	-	-	500,000
Billing Software/ERP system - Module 1 Billing, CRM and HR	5,000,000	3,500,000	3,500,000
Document Management System	-	-	-
Server	-	-	750,000
Server Cabinet	-	-	-
Centralized Power back up system	-	-	-
Smart TV	-	-	150,000
Public Address system inclusive of a generator	-	-	300,000
Standby Generator	-	-	1,500,000
CCTV - Riara & Kamiti	600,000	1,200,000	-
Paper shredder	-	-	80,000
Solarization of Kamiti intake	-	-	-
Digital cameras	-	120,000	120,000
Furniture set - Desk and Chair	94,500	165,000	105,000
Steel file Cabinets	63,000	66,000	70,000
Double Cab Pickup (3No)	-	5,000,000	5,000,000
Survey equipment -Total station	1,000,000	1,000,000	-
Lab equipment set	750,000	350,000	750,000
Water networks extensions/ rehabilitations (86.5kms)	-	-	-
Ndumburi ward water distribution network (19.9km)	12,147,000	-	-
Kiambu township ward water distribution network (36.1km)	12,281,250	-	12,281,250
Riabai ward water distribution network (12.5km)	-	5,566,250	-
Tinganga ward water distribution network (18km)	-	11,698,500	-
Grand Total	47,929,750	44,451,750	42,516,250

JULIUS K. ITUNGA,  
Ag. Chief Executive Officer.

MR/4245732

GAZETTE NOTICE NO. 1307

#### THE WATER ACT

(No. 43 of 2016)

#### KIRINYAGA WATER AND SANITATION COMPANY

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

Kirinyaga Water and Sanitation Company (KIRIWASCO) 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 KIRIWASCO application was carried out in accordance with 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 KIRIWASCO is justified 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 KIRIWASCO 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	43
	7-20	60
	21-50	80
	51-100	95
	101-300	115
	>300	135
Multi – Dwelling Units/ Gated Communities	Flat Rate	60
Commercial/Industrial		
	1-50	80
	51-100	95
	101-300	115
	>300	135
Government		
	1-50	80
	51-100	95
	101-300	115
	>300	135
Schools, Universities and Colleges		
	1-600	55
	601 - 1200	70
	>1200	95
Water Kiosks	Per M <sup>3</sup>	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.

Disconnected water accounts shall be charged based on the average of the last three months' sewer charges before the disconnection.

##### (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.)
<i>Water Deposit</i>	
<i>Category of consumer</i>	
Domestic	2500
Retail shops less than 10m <sup>3</sup>	3000
Retail shops more than 10m <sup>3</sup>	3,500
Bar, restaurants less than 15 m <sup>3</sup>	4000
Bar, restaurants more than 15 m <sup>3</sup>	6,000

Item/ Service	Charge (KSh.)
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	
<i>Other Charges</i>	
<i>Service</i>	
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 KIRIWASCO area for all consumers
Sale of water Per M <sup>3</sup> at bowing point (own tanker)	60
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
<i>Penalties</i>	
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 the period of the illegality

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

Expenditure Item	Base Year 2020/21	2021/22	2022/23	2023/24	2024/25
Operations	125,680,649	135,911,950	138,424,323	143,588,101	155,891,198
Maintenance	16,904,460	14,778,550	23,894,473	24,942,119	26,875,837
Regulatory Levy	6,944,616	5,500,000	7,013,165	7,574,219	8,180,156
Other Levies	5,448,522	4,500,000	3,413,913	3,348,000	3,515,400
Minor Investments	6,594,293	14,590,800	20,542,780	30,227,495	23,780,959
Asset Renewal	3,000,000	3,000,000	-	-	-
Total Costs	161,572,541	175,281,300	193,288,654	209,679,934	218,243,550
Total Billing (KShs.)	167,767,070	180,883,766	198,143,996	248,348,002	271,917,179
Collection Efficiency (%)	94%	91%	92%	93%	94%
Projected Revenue	156,966,684	164,581,009	182,292,477	230,963,642	255,602,148
Total Cost Coverage	97%	94%	94%	110%	117%

## 2.0 Conditions attached to the Tariff Approval.

The conditions attached to this approval which shall form part of the license conditions of Kirinyaga 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 Coverage (%)	56%	59%	62%	65%	68%
Water quality standards (%)	93%	100% Compliance with Water Quality Standards			
Personnel Expenditure as % of O&M	57%	52%	47%	42%	37%
Non-Revenue Water (%)	55%	50%	45%	40%	35%
Hours of Supply (Hrs)	18	19	20	21	22
Staff per 1000 connections	6	5	5	5	5
Metering ratio (%)	99%	100%	100%	100%	100%
Collection Efficiency (%)	86%	88%	90%	92%	94%

Target	Base Year 2020/21	2021/2022	2022/2023	2023/2024	2024/2025
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. KIRIWASCO 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: KIRIWASCO 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: KIRIWASCO 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 1

## Annex 1 – INVESTMENTS

SUMMARY OF CAPITAL INVESTMENTS TO BE CARRIED OUT BY KIRINYAGA WATER AND SANITATION COMPANY LIMITED FOR THE PERIOD 2022/23 – 2024/25			
Proposed Investment	2022/23	2023/24	2024/25
<b>Water Coverage</b>			
Procurement of Meters and installation of DN 15mm class C consumer meters for new connections in Ndia, Kerugoya, Sagana and Wanguru schemes, and replacement of faulty and aged meters in Kerugoya Town Zone	-	-	25,952,645
Service line extensions (Kifco, Kianguyi, Kingati Service, South Ngariama main, Mwea Scheme, Kiandegwa main and Service line extensions, Mibucasa main and Service line extensions)	4,271,580	4,403,410	5,465,400
Provision of materials for	3,658,500	3,658,500	3,658,500

new connections			
NRW Reduction			
Procurement of meter reading smart phones (28 No)	-	120,000	120,000
Procurement of Billing System	-	3,000,000	3,000,000
NRW management (Procurement and installation of DN 150mm, PN 16 master meters in Rundu, Kianjogu, githioro, Sagana, Kutus and Kagio DMAs ;DN 150mm, PN 16 master meters in Gacharu Kamuthanga, Kaitheri, Ruiru, Getuya, Mutithi, Gathambi, Baricho and Gakindu DMAs; DN 100 PN 16 master meters for Police line (2) and Kerugoya Market line DMAs.	1,491,600	1,542,600	1,144,200
Purchase of Movable and Immovable Assets			
Procurement of Computers, Printers and Accessories	1,540,000	780,000	520,000
Procurement of motorbikes and motor vehicle	741,600	6,741,600	741,600
Purchase of Office Furniture and Fittings	-	630,000	630,000
Procure lab equipment	739,500	-	-
Totals	12,442,780	20,876,110	41,232,345

JULIUS K. ITUNGA,  
Ag. Chief Executive Officer.

MR/4245732

GAZETTE NOTICE No. 1308

## THE WATER ACT

(No. 43 of 2016)

### LIMURU WATER AND SEWERAGE COMPANY

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

Limuru Water and Sewerage Company (LIWASCO) 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 LIWASCO 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 LIWASCO 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 LIWASCO 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	
	Consumption Block in M <sup>3</sup>	Tariff (KSh/M <sup>3</sup> )
Domestic/Residential		

	1-6	90
	7-20	118
	21-50	125
	51-100	135
	101-300	145
	>300	170
Commercial/industrial		
	1-50	118
	51-100	135
	101-300	145
	>300	170
Government		
	1-50	118
	51-100	135
	101-300	145
	>300	170
Schools, Universities and Colleges	1-600	95
	601 - 1200	118
	>1200	155
Bulk Water Supply	Per M <sup>3</sup>	65
Multi- Dwelling Units	Per M <sup>3</sup>	120
Water Kiosks	Per M <sup>3</sup>	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. 300 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>	4000
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>	