

ANNEX 1
DETAILS OF PUBLIC CONSULTATION FOR GITHUNGURI WATER AND SANITATION COMPANY
(FOR THE PERIOD 2025/2026 – 2028/2029)

1.0 Cost and Revenue Structure of the Proposed Tariff

Expenditure Item	2023/2024	2024/25	2025/26	2026/27	2027/2028	2028/2029
Operations	75,970,710	82,533,072	94,083,072	94,321,635	93,042,903	96,699,224
Maintenance	4,197,622	6,478,980	11,948,000	14,954,250	17,254,900	17,254,900
Regulatory Levy	1,766,934	1,884,941	2,624,114	5,275,817	6,054,590	6,654,289
Total O&M Costs	81,935,266	90,896,993	108,655,187	114,551,702	116,352,393	120,608,413
Investment Costs	-	-	-	10,790,000	25,138,927	38,816,528
Debt Repayment	-	-	-	-	-	-
Total Costs	81,935,266	90,896,993	108,655,187	125,341,702	141,491,320	159,424,941
Total Billing (KShs)	44,173,359	48,392,060	65,602,861	131,895,425	151,364,739	166,357,213
Collection Efficiency (%)	94%	92%	95%	95%	95%	95%
Projected Revenue	41,522,957	44,520,695	62,322,718	125,300,654	143,796,502	158,039,352
O&M Cost Coverage	51%	49%	57%	109%	124%	131%
Total Cost Coverage	51%	49%	57%	100%	102%	99%

2.0 Proposed Change in Water Tariff Structure for the Period

Recommended Water Tariff for Githunguri				
Consumer Categories	Consumption Block (M ³)	Current Tariff (Kshs/M ³)	Consumption Block (M ³)	Proposed Tariff (Kshs/M ³)
Domestic/Residential	1-6	55	1-6	115
	7-20.	65	7-20.	135
	21-50	80	21-50	145
	51-100	100	51-100	150
	101-300	120	101-300	155
	>300	140	>300	160
Multi-Dwelling Units	1-6	55	Flat Rate	135
	7-20.	65		
	21-50	80		
	51-100	100		
	101-300	120		
	>300	140		
Commercial/Industrial	1-6	55		
	7-20.	65		
	21-50	80	1-50	145
	51-100	100	51-100	150
	101-300	120	101-300	155
	>300	140	>300	160
Government/Institutions	1-6	55		
	7-20.	65		
	21-50	80	1-50	145
	51-100	100	51-100	150
	101-300	120	101-300	155
	>300	140	>300	160
Public Schools, Universities, and ...	1-600	70	1-600	120
	601-1200	90	601-1200	140
	>1200M ³	110	>1200M ³	160
Bulk Sale	Per M ³	32	Per M ³	73
Water Kiosks	Per M ³	35	Per M ³	70

Customers with non-functional meters shall be billed based on the average of the last three months' bills

3.0 Indexation

The utility's 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 after a full year of implementation, on the 15th day of July every year, and shall remain in force until the 14th day of July the following year.

4.0 Miscellaneous Charges

Item/ Service	Charge (Ksh.)
Water Deposit	
Category of consumer	
Domestic	2,500
Retail shops less than 10m ³	3,000
Retail shops with more than 10m ³	3,500
Bar and restaurants with less than 15 m ³	4,000
Bar and restaurants more than 15 m ³	6,000
Hotel class "A" and "B" with less than 150 m ³	12,000
Hotel class "A" and "B" with more than 150 m ³	15,000
Hotel class "C" and "D", with less than 150 m ³	18,000
Hotel class "C" and "D" more than 150 m ³	20,000
Hospitals and Health centres with more than 150 m ³	20,000
Hospitals and Health centres with less than 150 m ³	12,000
Schools and other institutions have more than 200 m ³	20,000
Schools and other institutions with less than 200 m ³	10,000
Minor construction sites of more than 200 m ³	15,000
Major construction sites with more than 300 m ³	50,000
Light industries with less than 200 m ³	30,000
Medium industries between 200 m ³ and 300 m ³	50,000
Heavy industries of more than 300 m ³	100,000
Water Kiosks	5,000
Customers with only sewer connection are to be charged a deposit equivalent to a 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 3inches	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 the WSP area for all consumers
Sale of water per M ³ at Browsing Point (own tanker)	135
Replacement of stolen or damaged meters	100% of the market cost of the meter
Meter testing on request	500
Special meter reading at the customer's 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
Printing of the customer's statement on their own request	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 illegality
Illegal water connection (Fraud) – Domestic	30,000 plus estimated consumption during the period of the illegality
Overcharging (fraud) at the water kiosk	15,000
Illegal sewer connection- Commercial, Industry, Construction	100,000

Item/ Service	Charge (Ksh.)
Illegal sewer connection- Domestic, Government, Schools, Universities &	30,000
Self-reconnection after cut-off for non-payment	5,000, and billing to be backdated from the date of the cut-off
Surcharge for tampering with meters (this includes meter removal, reversing	5,000
Surcharge for direct suction of water from the supply line using a pump	10,000

These shall be charged as per the approved miscellaneous charges approved by WASREB.

(a) Service Delivery Conditions attached to the Tariff.

The conditions attached to this approval, which shall form part of the license conditions of Githunguri Water and Sanitation Company Ltd, are:

Service Delivery Conditions						
Target	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029
Water Coverage (%)	22%	11%	13%	16%	20%	30%
Water Quality Standards	97%	98%	100%			
Personnel Expenditure as % of O&M	30%	31%	29%	29%	28%	28%
Maintenance Expenditure as % of O&M	5%	7%	8%	8%	9%	10%
Investment Expenditure as a % of Total Expenditure	-	-	4%	6%	9%	12%
Non-Revenue Water	63%	59%	57%	54%	50%	45%
Hours of Supply (Hrs.)	16	16	17	18	19	20
Staff per 1000 connections	4	5	6	6	6	6
Metering ratio (%)	100%	100%	100%	100%	100%	100%
Collection Efficiency (%)	94%	92%	95%	95%	95%	95%

Other Conditions

- i. **Annual budgets:** The utility shall adhere to the budgetary levels set in the tariff.
- ii. **Surpluses:** the surpluses realised during the tariff period shall be used to implement priority service delivery capital projects approved by WASREB
- iii. **Reporting:** The utility shall submit quarterly performance reports to WASREB in the prescribed format.
- iv. **Investments:** The utility shall undertake the investments as follows: -

Proposed Internally Funded Investments for Githunguri Water and Sanitation Company Limited

FY 2026/2027							
TARGETTED INVESTMENT	PROJECT AREA	SIZE	DESCRIPTIONS	UNIT	UNIT COST	QUANTITY	COST (KSH)
A. Regional Master meters	Kwa-Maiko master Meters	4-inch	Volumetric Meter	No	80,000	10	800,000
	Raiyani Master Meters	2-Inches	Volumetric Meter	No	40,000	10	400,000
	Kambui Master Meters	3-Inch	Volumetric Meter	No	70,000	5	350,000
	Githunguri DMA Meters	2 -inches	Volumetric Meter	No	40,000	8	320,000
B.NRW Reduction Plan	To reduce NRW from 59% to 57%	NRW Reduction activities	Purchase of consumer meters	No	4,000	1,300	5,200,000
D. Rehabilitation of Service Lines	Rehabilitation of Raiyani distribution line.	Lay of assorted distribution lines ranging from DN 32mm to 63mm to cover 3km in Raiyani	Lay 1.5km of DN 63 and DN 32mm to cover the entire areas in Raiyani East, West, and Kiawamatu	Lot	1,220,000	1	1,220,000
E. Capital Works	Line Extension from Kiambururu to Kwa-Maiko town	Lay 5km of assorted sizes to cover new line extensions	Lay 4km of DN 90mm and DN 110mm to cover line extensions to Kwa Maiko.	Lot	2,500,000	1	2,500,000
TOTAL							10,790,000

FY 2027/2028							
TARGETTED INVESTMENT	PROJECT AREA	SIZE	DESCRIPTIONS	UNIT	UNIT COST	QUANTITY	COST (KSH)
A. Regional Master meters	Githiga Master Meters	6-Inches	9001 Iso certified, Class C, Material Brass	No	240,000	5	1,200,000
B.NRW Reduction Plan	To reduce NRW from 57% to 54%	15 mm dia Meters	Purchase of consumer meters	No	4,000	1,300	5,200,000
C. Rehabilitation of Service Lines	Rehabilitation of Kiambururu Transmission and distribution line.	Lay of assorted distribution lines ranging from DN 32mm to 160mm to rehabilitate the existing distribution main in Kiambururu	Lay 1km of DN 160 and 3km of DN 110mm, and 2 km of DN 63mm to rehabilitate Kiambururu distribution main in the region	Lot	6,901,900	1	6,901,900
D. Capital Works	Rehabilitation and Extension of water pipeline from Mweji to Komothai to restore water supply from Kiameru treatment Plant	Rehabilitation of 11.2km distribution from aged PVC pipes to HDPE pipe	Rehabilitation of 6km distribution from aged PVC pipes to HDPE pipes ranging from DN 90 mm to DN 160mm	Lot	6,206,900	1	6,206,900
E. Solarization	Borehole at Thakwa	Purchase and Instalation ;20kW + 70kWh Solar Hybrid Solution	1No. 20kW 3PH High Voltage Hybrid Inverter; Lithium Iron Phosphate batteries, to provide storage of around 65kWh of storage; Solar Array of 29kWp	Lot	5,630,127	1	5,630,127
TOTAL							25,138,927

FY 2028/2029							
TARGETTED INVESTMENT	PROJECT AREA	SIZE	DESCRIPTIONS	UNIT	UNIT COST	QUANTITY	COST (KSH)
A. Regional Master meters	Thuita & Matimbei Master Meters	2-Inches.	Volumetric Meter	No	40,000	10	400,000
	Kiambururu & Kamburu Meters	2-Inches	Volumetric Meter	No	40,000	12	480,000
	Nginduri & Mbari Ya Aregi Meters	2-Inches	Volumetric Meter	No	40,000	10	400,000
	Komothai & Kamahia Meters	2 -inches	Volumetric Meter	No	40,000	16	640,000
B.NRW Reduction Plan	To reduce NRW from 54% to 50%	15 mm dia Meters	Purchase of consumer meters	No	4,000	1,400	5,600,000
C. Rehabilitation of Service Lines	Rehabilitation of Kambara Transmission and distribution line.	Lay of assorted distribution lines ranging from DN 110mm and DN 90mm to rehabilitate the existing distribution main in Kambara line to replace aged PVC pipeline	Lay 1km of DN 160 and 3km of DN 110mm, and 2 km of DN 63mm to rehabilitate Kiambururu distribution main in the region	Lot	5,476,600	1	5,476,600
D. Solarization	3Borehole Pumps (5.5kw,7.5kw and 5.5kw) and the Office Block	Purchase and Installation ;100 kW + 240kWh Solar Hybrid Solution	2No. 50kW 3PH High Voltage Hybrid Inverter; Lithium Iron Phosphate batteries, to provide storage of around 100kWh of storage.; Solar Array of 119kWp	Lot	17,705,728	1	17,705,728
E. Integrated Billing System	Billing and Customer Relationship Management Modules	Billing Module with the following components: Meter Reading APP, Customer Self-service app, Billing & CRM, Meter reading APP, Maji APP & USSD, Customer Self-service app	Bank & Mpesa Integration; Development, Customization & Deployment Fee, Data Migration, and training fee	Lot	8,114,200	1	8,114,200
TOTAL							38,816,528