

**ANNEX 1**  
**DETAILS OF PUBLIC CONSULTATION FOR MATHIRA WATER AND SANITATION COMPANY LTD**  
**(FOR THE PERIOD 2024/2025 – 2028/2029)**

**1.0 Cost and Revenue Structure for the Tariff Period**

Expenditure	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29
Operations	94,177,324	108,311,263	121,998,148	129,277,777	136,995,551	143,757,377	150,094,575
Maintenance	30,185,301	31,889,841	32,527,637	33,178,190	33,841,754	34,518,589	35,208,961
Regulatory	5,738,187	6,248,123	10,049,532	10,278,398	10,452,124	10,585,132	10,739,404
<b>Total O&amp;M</b>	<b>130,100,812</b>	<b>146,449,226</b>	<b>164,575,317</b>	<b>172,734,365</b>	<b>181,289,429</b>	<b>188,861,098</b>	<b>196,042,939</b>
Investment	4,234,052	15,400,000	19,080,280	20,907,544	21,888,151	23,886,230	24,739,861
Debt	13,116,835	12,460,993	-	-	-	-	-
<b>Total Costs</b>	<b>147,451,699</b>	<b>174,310,219</b>	<b>183,655,597</b>	<b>193,641,909</b>	<b>203,177,580</b>	<b>212,747,328</b>	<b>220,782,800</b>
<b>Total Billing</b>	<b>143,454,682</b>	<b>156,203,071</b>	<b>251,238,308</b>	<b>256,959,956</b>	<b>261,303,097</b>	<b>264,628,291</b>	<b>268,485,091</b>
<b>Collection</b>	<b>97%</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>
<b>Projected</b>	<b>138,433,768</b>	<b>148,392,917</b>	<b>238,676,392</b>	<b>244,111,958</b>	<b>248,237,943</b>	<b>251,396,877</b>	<b>255,060,837</b>
<b>Total Cost</b>	<b>94%</b>	<b>85%</b>	<b>130%</b>	<b>126%</b>	<b>122%</b>	<b>118%</b>	<b>116%</b>

**2.0 Proposed Change in Water Tariff Structure for the Period.**

Proposed Tariff for Mathira Water and Sanitation Co. Ltd.				
Consumer Categories	Consumption Block	Current Tariff	Consumption Block	Proposed Tariff
	(m3)	(Kshs/M <sup>3</sup> )	(m3)	(Kshs/M3)
Domestic/Residential	0-6	40.33	1-6	125
	7-20.	66.56	7-20.	140
	21-50	90.75	21-50	150
	51-100	93.50	51-100	160
	100-300	110	101-300	170
	>300	132	>300	180
Multi-Dwelling Units		N/A	Per M3	140
Unmetered	Flat Rate	500		N/A
Commercial/Industrial	0-6	36.66		
	7-20.	60.50		
	21-50	82.50	1-50	150
	51-100	93.50	51-100	160
	100-300	110	101-300	170
	>300	132	>300	180
Government/Institutions	0-600	66	1-50	150
	601-1200	85	51-100	160
	>1200m3	110	100-300	170
			>300	180
Public Schools	0-600	66	1-600	140
	601-1200	85	601-1200	160
	>1200m3	110	>1200m3	180
Unique Consumer Categories	Water Kiosks	35	Per M3	125

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

**3.0 Sewerage Tariff Structure for the period 2024/2025 to 2028/2029**

**a) Consumers with a Water Connection**

Sewerage will be charged at 75% of the water volumes, billed at the tariff for water specified (in 2.0) 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 2.0) above.

## 4.0 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.

## 5.0 Miscellaneous Charges

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

## 6.0 Service Delivery Conditions attached to the Tariff.

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

Target	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029
Water Coverage (%)	64%	66%	68%	70%	72%	74%	76%
Water quality standards (%)	100%	100% Compliance with Standards					
Personnel Expenditure as % of O&M	44%	43%	42%	41%	40%	39%	38%
Non-Revenue Water	37%	36%	34%	32%	30%	28%	27%
Hours of Supply (Hrs.)	23	23	24	24	24	24	24
Staff per 1000 connections	6	6	5	5	5	5	5
Metering ratio (%)	100%	100%	100%	100%	100%	100%	100%
Collection Efficiency (%)	97%	95%	95%	95%	95%	95%	95%
Resale at Kiosk	Kshs. 5.00 per 20l Jerry Can						

## 6.1 Other Conditions

- Annual budgets:** The utility shall adhere to the budgetary levels set in the tariff.
- Metering:** MAWASCO shall maintain metering ratio at 100% as per condition (6.0) above
- Surpluses:** The surpluses realised during the tariff period shall be used to implement priority service delivery capital projects approved by WASREB.
- Catchment Protection:** The utility shall undertake measures to conserve/ protect the catchment areas of their water source as part of Corporate Social Responsibility.
- Reporting:** The utility shall submit quarterly performance reports to WASREB in the prescribed format.
- Creation of distinct water and sewer cost centres:** MAWASCO shall create separate water and sewer cost centres and maintains distinct record of operations of the two centres.
- Investments:** The utility shall undertake the investments as follows: -

PROPOSED IMPLEMENTATION YEAR: 2024-2025							
PROJECT AREA	SIZE	DESCRIPTION	UNIT	QUANTITY	Unit Cost	Amount (Kshs)	
<b>Investments in Meters, Vehicles and Motor Bikes, Buildings and Office Equipment</b>							
1	Increase in water connectivity	Procurement of meters	no	1,200	3,200	3,840,000	
		Procure pipes and fittings and install 960 No. new				3,440,484	
2	Motorbikes	Procurement Motorbikes	no	5	190,000	950,000	
3	Office equipment	Computer-Desktops	no	5	187,230	936,150	
		Smart Phones	no	20	25,000	500,000	
4	Procurement of sewerage pump	160mm dia Submersible Sewerage pump	no	1	2,450,000	2,450,000	
5	laboratory Equipment	Procurement of various laboratory tools and equipment	Lot			650,000	
	<b>Sub Total</b>					<b>12,766,634</b>	
<b>Investments-Water Systems &amp; NRW Management</b>							
6	Extension of Water Supply to Karogoto Factory Service Line	Various	Extension of water supply to increase water coverage	m		3,128,646	
7	NRW Management			Lot		3,185,000	
	<b>Sub Total</b>					<b>6,313,646</b>	
	<b>Total</b>					<b>19,080,280</b>	
PROPOSED IMPLEMENTATION YEAR: 2025-2026							
PROJECT AREA	SIZE	DESCRIPTION	UNIT	QUANTITY	Unit Cost	Amount (Kshs)	
<b>Investments in Meters, Vehicles and Motor Bikes, Buildings and Office Equipment</b>							
1	Increase in water connectivity	Procurement of meters	no	1,200	3,360	4,032,000	
		Procure pipes and fittings and install 960 No. new connections per year				3,612,041	
2	Vehicles	Procurement Vehicles	no	1	4,800,000	4,800,000	
3	Motorbikes	Procurement Motorbikes	no	3	199,500	598,500	
4	Office equipment	Computer-Desktops	no	3	196,592	589,775	
		Smart Phones	no	5	26,250	131,250	
5	laboratory Equipment	Procurement of various laboratory tools and equipment	Lot			465,402	
6	Office Compound Improvement	Landscaping				890,000	
	<b>Sub Total</b>					<b>15,118,968</b>	
<b>Investments-Water Systems &amp; NRW Management</b>							
7	Extension of Water Supply to Giakamuhu Service Line	Various	Extension of water supply to increase water coverage	m		2,285,076	
8	NRW Management			Lot		3,503,500	
	<b>Sub Total</b>					<b>5,788,576</b>	
	<b>Total</b>					<b>20,907,544</b>	
PROPOSED IMPLEMENTATION YEAR: 2026-2027							
PROJECT AREA	SIZE	DESCRIPTION	UNIT	QUANTITY	Unit Cost	Amount (Kshs)	
<b>Investments in Meters, Vehicles and Motor Bikes, Buildings and Office Equipment</b>							
1	Increase in water connectivity	Procurement of meters	no	1,200	3,528	4,233,600	

			Procure pipes and fittings and install 960 No. new connections per year				3,906,501
2	Motor bikes		Procurement of motorbikes	no	3	209,475	628,425
3	Office equipment		Computers -Laptops		2	215,250	430,500
			Smart Phones	no	5	27,563	137,813
			Computer-Desktops	no	2	206,421	412,842
4	Procurement of sewerage pump		160mm dia Submersible Sewerage pump	no	1	2,450,000	2,450,000
5	Procurement and installation of standby generator		Procurement and installation of standby generator	no	1	2,165,000	2,165,000
6	laboratory Equipment		Procurement of various laboratory tools and equipment	Lot			220,000
	<b>Sub Total</b>						<b>14,584,680</b>
<b>Investments-Water Systems &amp; NRW Management</b>							
7	Extension of Water Supply to Mung'etho Shopping Centre	Various	Extension of water supply to increase water coverage	m			3,449,620
8	NRW Management			Lot			3,853,850
	<b>Sub Total</b>						<b>7,303,470</b>
	<b>Total</b>		<b>Total</b>				<b>21,888,151</b>
<b>PROPOSED IMPLEMENTATION YEAR: 2027-2028</b>							
	<b>PROJECT AREA</b>	<b>SIZE</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>Unit Cost</b>	<b>Amount (Kshs)</b>
<b>Investments in Meters, Vehicles and Motor Bikes, Buildings and Office Equipment</b>							
1	Increase in water connectivity		Procurement of meters	no	1,200	3,704	4,445,280
			Procure pipes and fittings and install 960 No. new connections per year				4,228,823
2	Motorbikes		Procurement of motorbikes	no	2	219,949	439,898
3	Office equipment		Smart Phones	no	5	28,941	144,703
			Computer-Desktop	no	3	216,742	650,226
	<b>Sub Total</b>						<b>9,908,930</b>
4	Extension of Water Supply to Karogoto Factory Service Line		Extension of water supply to increase water coverage	m			3,621,798
5	NRW Management			Lot			4,239,235
6	Construction of Water kiosk		Construction of Water kiosk at Mugetho Shopping				855,801
7	Office Expansion		Construction of an additional office block for sewerage staff at Kirigu and Kiaigi				1,721,280
8	Construction of Water tank		Construction of 150M3 water tank along JICA Line within Ragati forest				1,215,776
9	Sewerage lines extension		Various sewer service line extensions				2,323,410
	<b>Sub Total</b>						<b>13,977,300</b>
	<b>Total</b>						<b>23,886,230</b>
<b>PROPOSED IMPLEMENTATION YEAR: 2028-2029</b>							
	<b>PROJECT AREA</b>	<b>SIZE</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>Unit Cost</b>	<b>Amount (Kshs)</b>

**Minor Investments in Meters, Vehicles and Motor Bikes, Buildings and Office Equipment**

1	Increase in water connectivity	Procurement of meters	no	1,200	3,890	4,667,544
		Procure pipes and fittings and install 960 No. new connections per year				4,528,289
2	Motorbikes	Procurement of motorbikes	no	2	230,946	461,892
3	Office equipment	Computer-Desktop	no	3	227,579	682,738
4	laboratory Equipment	Procurement of various laboratory tools and equipment	Lot			300,450
	<b>Sub Total</b>					<b>10,640,914</b>
5	Extension of Water Supply to Ngurumo Primary School	Extension of water supply to increase water coverage	m			3,802,883
6	NRW Management		Lot			4,663,159
7	Sewerage lines extension	Various sewer service line extensions				5,632,905
	<b>Sub Total</b>					<b>14,098,947</b>
	<b>Total</b>					<b>24,739,861</b>