



REPUBLIC OF KENYA

COUNTY GOVERNMENT OF MACHAKOS
COUNTY ASSEMBLY OF MACHAKOS



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THIRD ASSEMBLY
FOURTH SESSION

WATER AND IRRIGATION COMMITTEE

REPORT OF THE WATER AND IRRIGATION COMMITTEE ON THE
PERFORMANCE FOR THE DEPARTMENT OF WATER AND
IRRIGATION FOR THE FY 2023/2024

OCTOBER 2025

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Report of the water and irrigation committee on the performance for the Department of Water and Irrigation for the FY 2023/2024.

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ANNEXURES

Annexure 1

Departmental performance report FY 2023/24

EXECUTIVE SUMMARY

Article 43(1)(d) of the Constitution of Kenya guarantees every individual the right to access clean and safe water in sufficient quantities. This provision highlights the necessity of devolving water-related responsibilities to county governments, as stipulated in the Fourth Schedule, thereby tasking county administrations with the effective management of water resources.

Machakos County Assembly, through its committees, plays a crucial oversight role in evaluating the County Executive's performance in service delivery. Under Article 185(3) of the Constitution, the Assembly is mandated to supervise the Executive's functions while upholding the principle of separation of powers. This report, prepared by the Water and Irrigation Committee, reflects the County Assembly's dedication to promoting accountability and transparency in the management of public resources.

During the 2023/2024 financial year, the department had a budget allocation of Ksh. 114,724,249.00 for recurrent and Ksh. 473,461,724.00 for development with an actual expenditure of Ksh. 389,713,495.02 on development.

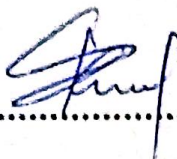
. The Committee undertook a comprehensive evaluation of the Department of Water and Irrigation performance. This involved reviewing the department's quarterly reports, engaging with key officials at the department to assess the progress of ongoing projects. The findings reveal both achievements and challenges.

During the year under review, the department implemented a range of projects including construction of weirs, rehabilitation of dams, boreholes, springs, sewer networks as well as equipping and powering of boreholes to ensure functionality and sustainability. Performance is summarized as follows:

- **Drilling of boreholes:** The department drilled and capped a total of 27 boreholes while one was completed and seven (7) were surveyed and awaiting to be drilled. (Annexed).
- **Borehole Rehabilitation (Equipping, Powering and reticulation of Boreholes)** a total of 15 boreholes were equipped and powered.
- **Construction of weirs:** constructed a total of seventeen (17) weirs.
- **Rehabilitation of springs:** one spring, Ndulani spring in Mbiuni- Katitu sublocation, was rehabilitated.

- **Construction of Earth Dams:** The Department constructed two earth dams; Ndatani Earth Earth Dam and Matokini earth dam also desilted and repaired 48 other small dams.
- **Rehabilitation of Sewer Networks:** The target was to connect 700 households to sewer networks. However, only 300 households were connected, falling short by 400 households.

I therefore table this report of the water and irrigation committee on full year Departmental performance for the Department of water and irrigation for financial year 2023/24 for consideration and adoption.

SIGN.....

DATE 7/10/2025

Hon. Daniel Muindi
Chair, Water and Irrigation Committee

PREFACE

1.1 Establishment and Mandate of the Committee

Honorable Speaker, the Sectoral Committee on Water and Irrigation derives its mandate from the provisions of Standing Order 190 (5) and the Second Schedule of the Machakos County Assembly Standing Orders which provides the functions of the Committee among others as:

- (i) To investigate and inquire into all matters relating to the assigned Departments as may be deemed necessary, and as may be referred to it by the County Assembly;
- (ii) To vet and report on all appointments where the Constitution or any law requires the County Assembly to approve, except those under Standing Order 184 (Committee on appointments).

Further, the Sectoral Committee on Water and Irrigation deals with all matters relating to the implementation of specific National Government policies on water, County legislation and policies on water conservation, stormwater management systems in built-up areas, water storage, water reticulation, water service providers and water sanitation services.

1.2 Membership of the Committee

The Water and Irrigation Committee as established by the Machakos County Assembly Standing Orders consist of the following Members:

- | | |
|---------------------------|-------------------|
| 1. Hon. Daniel Muindi | -Chairperson |
| 2. Hon. Winfred Mutua | -Vice-Chairperson |
| 3. Hon. Rozina Kanini | Member |
| 4. Hon. Paul Wambua | “ |
| 5. Hon. Brian Kisila | “ |
| 6. Hon. Irene Mulu | “ |
| 7. Hon. Mary Kituku | “ |
| 8. Hon. Jeremiah Kaloi | “ |
| 9. Hon. Caroline Mutuku | “ |
| 10. Hon. Mercy Njagi | “ |
| 11. Hon. Charles Mbuva | “ |
| 12. Hon. Hellen Ndeti | “ |
| 13. Hon. Margaret Ndalana | |

1.3 Secretariat to the committee

During the compilation of this report, the Committee was facilitated by the following officers:

- | | |
|----------------------|-------------------------|
| 1. Ms. Loise Kithuka | Clerk Assistant |
| 2. Mr. Gideon Muoki | Clerk Assistant |
| 3. Ms. Emma Nthenya | Hansard Officer |
| 4. Mr. Dalmas Masila | Senior Research Officer |
| 5. Ms. Abigaël Mulei | Sargent-at- Arms |

2.0 INTRODUCTION

Honorable Speaker, Article 183 (3) of the Constitution of Kenya provides that the County Executive Committee shall provide the County Assembly with full regular reports on matters relating to the County. Section 166 (4)(a) of the Public Finance Management Act requires an Accounting Officer for a County Government entity to prepare a report for each quarter of the financial year in respect of the entity and submit it to the Assembly than fifteen days after the end of each quarter.

Honorable Speaker, the Committee scope of reporting is limited to the performance of the department of water during the 2023/2024 financial year. In doing so the Committee is guided by the Constitution of Kenya 2010 and the Standing Orders. The reporting covers all the water & irrigation and sewerage & Sanitation projects undertaken by the department in within the County between 1st July 2023 and 30th June 2024.

Honorable Speaker, the Committee requested for the performance report for the department of water and irrigation & sewerage and sanitation for 2023/2024 financial year. The Committee further interrogated the County Executive Committee Member and Chief Officer responsible for matters related to water and irrigation & Sewerage and sanitation.

3.0 OBJECTIVES OF THE REPORT

Honorable Speaker, this report aims to achieve the following:

- i. Evaluate the performance of the Department of Water and Irrigation in project implementation.

- ii. **Analyze financial efficiency**, comparing budget allocations to actual expenditures.
- iii. **Assess the impact** of water projects on local communities.
- iv. **Identify challenges** faced during implementation.
- v. **Provide recommendations** for future improvements.

Honorable Speaker, the projects reviewed in this report span urban, peri-urban, and rural areas, addressing both domestic and agricultural water needs.

4.0 DEPARTMENTAL PERFORMANCE FOR FINANCIAL YEAR 2023/2024

Honorable Speaker, the Department of water and irrigation was allocated a budget of Ksh. 114,724,249.00 for recurrent and Ksh. 473,461,724.00 for development with an actual expenditure of Ksh. 389,713,495.02 on development.

Honorable Speaker, the committee through a letter ref: **MKSCA/PCS/ADM/WTIR/VOL. 1/53** requested for a full year departmental performance report for FY 2023/24 indicating actual expenditure for each program and status of the programs. In the financial year 2023/2024.

Honorable Speaker, in a letter ref: **MWIS/MC/2C/10 VOL IV/07 dated 5th November, 2024** the department forwarded a report to the County Assembly highlighting the following programs which they undertook in the financial year under review.

Honorable Speaker, during the financial year 2023/24 the Department had targets which were achieved as indicated in the table below:

Sector	Project	Department	Objective	Key Output	Target	Achieved	Variance
Water Resources Management	Drilling of boreholes	Water Department	Boreholes drilled	No. of boreholes drilled	35	Nil	Nil
	Rehabilitation of boreholes	Water Department	Boreholes rehabilitated	No. of boreholes rehabilitated	15	15	Nil

	Equipping and powering of boreholes	Water Department	Boreholes equipped and reticulated	No. of boreholes equipped and reticulated	15	15	Nil
	Construction of earth dams	Water Department	Increasing access to clean water	No. of small earth dams constructed	40	42	+2
	Construction of weirs	Water Department	Increasing access to clean water	No. of weirs constructed	17	17	Nil
Sewerage System and Sanitation Management	Rehabilitation of sewer networks	Hygiene & Sanitation	Increased number of rehabilitated sewer networks	No. of rehabilitated sewer networks, including households expected to be connected	700 households, 300 networks	400 networks	+100 networks
	1. Rehabilitation of public toilets	Hygiene & Sanitation		No. of public toilets rehabilitated	2	2	nil
	2. Capital Grant to Matungulu water and sewerage company for construction of Decentralized Treatment Facility (DTF) in conjunction with Water Sector Trust Fund	Hygiene & Sanitation		No. of Decentralized Treatment Facility (DTFs) constructed	2	nil	The project was not actualised

4.1 WATER RESOURCE MANAGEMENT

Honorable Speaker, under this program the department had an approved budget estimate of Ksh.107,924,249 for Recurrent and Ksh. 320,000,000 for Development. This budget was utilized to undertake the following programs:

- i. Drilling of boreholes
- ii. Rehabilitation of boreholes
- iii. Equipping and powering of boreholes
- iv. Construction of earth dams
- v. Construction of weirs

4.1.2 BOREHOLES

Honorable Speaker, the budget allocation for boreholes (drilling, Equipping and rehabilitation) in the FY 2023/2024 was Ksh. 105,000,000 and the actual expenditure was Ksh. 91,021,006.00. The specific expenditure, scope of works and completion status is as annexed. (Annexure I)

4.1.2.1 Drilling of Boreholes

Honorable Speaker, the Department reported that in the financial year, 2023/24 the actual expenditure on this program was Ksh. 51,723,008.00.

Honorable Speaker, the Department reported that they had drilled a total of thirty-five (35) new boreholes. 16 boreholes of which were done through contracting to suppliers and nineteen (19) were drilled inhouse using rigs from the department. Further the report indicated that twenty-five (25) boreholes were drilled and capped whereas one (1) borehole in Kivaa is stuck with rods, eight (8) boreholes were surveyed awaiting drilling, one was drilled and found dry and that only one borehole was done to completion.

Honorable Speaker, the scope of works done on the various boreholes that were dilled and caped was as follows:

- Hydrogeological surveys.
- drilling, casing, borehole development.
- 24-hour test pumping.
- water quality analysis.

- The depth of the boreholes - ranging from 140m to 240m.

4.1.2.2 Rehabilitation of Boreholes

Honorable Speaker, the Department reported that in the financial year, 2023/24 they managed to successfully rehabilitate 11 boreholes. The actual expenditure on rehabilitation of the said boreholes was Ksh. 24,057,918.00. The specific expenditure, scope of works and completion status is as annexed. (Annexure I).

Honorable Speaker, the scope of works done on the various boreholes was as follows:

i. Mechanical & Electrical Installations:

- Installation of pump, motor, and inverter together with control panel and solar modules.
- Installation of underground (UG) cable (40M & 60M) and drop cable (155M)

ii. Borehole & Structural Works:

- Pump pullout and borehole development and construction of masonry borehole chamber
- Installation of 6" steel casing crushing of UPVC casing and application of clean gravel and ballast.

iii. Water Supply & Distribution:

- Laying of water pipelines (100M, 155M, 200M, 300M, 500M, 3.5KM).
- Construction of water drawing points (single & multiple) and installation of water meters.
- Supply and installation of 10,000L and 5,000L water tanks and steel water towers (3M & 6M high)

iv. Structural Reinforcement & Painting:

- Reinforcement and painting of steel solar structures, pump house and auxiliary structures.

v. Additional Civil Works & Signage:

- Supply and installation of hardcore around the borehole
- Renovation of water kiosks and pump house
- Installation of site signage

4.1.2.3 Equipping of Boreholes

Honorable Speaker, the Department reported that in the said financial year they managed to equip 4 boreholes. The actual expenditure on equipping of boreholes was Ksh. 15,240,080.00 and the specific scope of works and completion status is as annexed. (Annexure I).

Honorable Speaker, the scope of works done on the various boreholes was as follows:

- Mechanical & Electrical Installations:**
 - Installation of pump and motor and Installation of solar modules
- Water Supply & Distribution:**
 - Laying of water pipelines (700M, 1KM, 2.8KM form different boreholes)
 - Installation of 10,000-litre water tanks (single & multiple) and installation of water towers (6M high)
 - Construction of community water drawing points (6 points at different boreholes)
- Structural & Civil Works:** Masonry borehole chamber construction and construction of water kiosks
- Signage & Finishing:** Installation of site signage.

4.1.3 REHABILITATION OF SPRINGS

Honorable Speaker, the budget allocation for the rehabilitation of springs in the FY 2023/2024 was Ksh. 10,000,000 and the actual expenditure was Ksh. 4,499,408. The specific expenditure, scope of works and completion status is as annexed. (See annexure I):

Honorable Speaker, the Department reported that they had rehabilitated one spring called the Ndaluni Spring in Mbiuni ward Katitu sub-location at a cost of Ksh. 4,499,408. The Department reported that they had carried out various works on the spring as follows:

- i. Rehabilitation of spring areas.
- ii. Pipeline laying for 10KMs.
- iii. Construction of four (4) concrete bases 2 feet high, and installation of three (3)10,000liter water tanks.
- iv. Construction of inspection chambers along the pipeline.
- v. Construction of 5 community water drawing points

Honorable Speaker, the Department reported that Ndaluni Spring was completed and serving the area residents efficiently.

4.1.4 CONSTRUCTION OF WEIRS

Honorable Speaker, the budget allocation for the weirs in the FY 2023/2024 was Ksh. 62,061,723 and the actual expenditure was Ksh. 55,798,424.19. The specific expenditure, scope of works and completion status is as annexed. (Annexure I):

Honorable Speaker, the Department reported that they had constructed a total of seventeen (17) weirs and the scope of works done was as follows:

- i. Site signage and community awareness programs.
- ii. Excavation of riverbeds ranging from 10M to 30M deep.
- iii. Construction of concrete walls, reinforcement bars, and protection aprons upstream & downstream ranging from 10M Long,2M Wide,0.4M Thickness to 40 M Long, 2M Wide, 0.4M thickness.

Honorable Speaker, the Department reported that all the seventeen (17) weirs were successfully constructed to improve water retention and irrigation however there is need to involve Community for project sustainability.

4.1.4 CONSTRUCTION AND REHABILITATION OF DAMS

Honorable Speaker, the budget allocation for the dams in the FY 2023/2024 was Ksh. 215,000,000 and the actual expenditure was Ksh. 213,730,078.83 The specific expenditure, scope of works and completion status is as annexed. (Annexure I):

Honorable Speaker, the Department reported that they had desilted 50 dams in which the Department carried out various works on the dams as follows:

- i. Excavation of reservoirs, embankment construction, fencing, construction of sump-wells, installation of solar pumping systems.
- ii. Construction of cattle troughs and watering points.
- iii. Lowering the spillway channel and stone pitching of the entire spillway
- iv. Provision of 5,000 liters water tanks
- v. In some instances construction of public toilets.
- vi. Reticulating the water to the main markets water points.
- vii. Rehabilitation works included desilting, repair of spillways, and stone pitching.

Honorable Speaker, the Department reported forty-nine dams (49) as complete and one as ongoing, that is Matokini Earth Dam in Katangi ward.

4.2 SANITATION AND SEWERAGE MANAGEMENT

Honorable Speaker, the Department reported that in the financial year, 2023/24 had a budget allocation was Ksh. 29,000,000.00 for sewerage and sanitation. The actual expenditure on the department was Ksh. 24,664,578.00.

Honorable Speaker, the department of Sanitation and Waste Management reported key projects implemented by the department as rehabilitation works on sanitation infrastructure including rehabilitation of sewer lines and renovation of public toilets.

Honorable Speaker, during the financial year 2023/24, the Department of Sanitation and Sewerage Management implemented several sewerage and sanitation projects aimed at improving public health and environmental conditions as follows:

i. The rehabilitation of the Daystar sewer line in Kinanie Daystar and rehabilitation of the Machakos CBD sewer line in Machakos Town.

Honorable Speaker, the department reported that in the financial year under review had a budget allocation of Ksh. 20,000,000.00 with an actual expenditure of Ksh. 13,796,228 for the rehabilitation of the Daystar sewer line in Kinanie Daystar and Ksh 4,942,180 for the rehabilitation of the Machakos CBD sewer line in Machakos Town. The scope of works for both projects was as follows:

Scope of works

Category	Scope of Work
Earthworks	- Excavation - Cut and fill of earth works
Pipeline Works	- Pipeline installation - Manual repairs - Rehabilitation
Structural Works	- Construction of concrete pipe support

ii. Renovation works for public toilets

Honorable Speaker, the department reported that they had renovated Mitaboni Market toilet and Matuu Town toilet with a budget allocation of Ksh 6,350,000 against an actual expenditure of Ksh. 2,445,103 for Mitaboni Market toilet and Ksh 3,481,067 for Matuu Town toilet. The scope of works was as follows:

Scope of works

Category	Scope of Work
Demolition Works	Demolish existing roofing Demolish all doors and windows Demolish all plaster works Demolish existing tiles Demolish all existing sanitary fittings (WCs, wash hand basin, urinal bowls)
New Works	New roofing (steel rafters & 28g box profile roofing) New tiling (floor & walls) New fittings (WCs, wash hand basin, urinal bowls) New plaster & paint internally Wall master finish externally

	New doors New electrical provisions (no electricity connection) New plumbing pipework and manholes (no water source) New soak pit New screed and APP membrane on the roof slab New 2300 liters rooftop water tank
Repairs	Repair existing septic

iii. The Department also allocated Ksh 2.5 million as a capital grant to Matungulu Water and Sewerage Company for the construction of a decentralized treatment facility (DTF) in partnership with the Water Sector Trust Fund. The department reported that they were not able to actualize this project due to delay in disbursement of funds.

5.0 CONCERNS RAISED BY COMMITTEE FROM SUBMISSIONS BY THE CECM

Honorable Speaker, the committee invited the CECM department of water, irrigation, Environment and Climate Change vide a letter ref: *MKSCA/PCS/CMM/WTR/VOL. 1/69* dated 25th March, 2024 to appear before the committee on 8th April, 2024 to clarify on issues that arose from the report and the department responded as follows:

i. If the department carried out an audit of the desilting of the 50 dams and if yes was the work done to satisfactory.

Response: the department responded that the timing for the desilting of the dams was towards onset of long rains and that some of the dams were not well done and others not completed as anticipated, however the department informed the committee that desilting of the dams would be re-done to satisfactory in May 2024 before the contractors were paid.

ii. The costing of the dams

Response: the department informed the committee that the payment of the was to be done as per the hours done per dam.

iii. Drilled and capped boreholes

The committee raised a concern on the twenty-seven (27) drilled and capped boreholes. The department responded that they did not have adequate funds to equip the boreholes but indicated that they would equip in the subsequent budget for FY 2024/25 budget.

iv. Project management committee (PMC) reports for each dam

The committee requested for the information from the department on reports from the project management committee (PMCs) for the dams but this was never availed to the committee for scrutiny and gauge the level of completion of each dam.

6.0 COMMITTEE OBSERVATIONS

Honorable Speaker, the committee made the following observations during the analysis of the Department of Water and Irrigation's performance for the financial year 2023/24 report and interrogation of the Executive Committee Member and the Chief Officers departments of water and irrigation & Sanitation and waste Management.

1. The department successfully drilled and capped twenty-seven (27) boreholes.
2. One borehole namely Kithunguni Primary Borehole, was drilled but found dry hence need for better hydrogeological surveys.
3. Of the 35 boreholes that were drilled only one borehole, Matuu County lodge borehole in Matuu was reported as complete.
4. Some projects, including weir construction and spring rehabilitation, lacked detailed progress reports, making it difficult to verify their implementation.
5. The budget allocation for dam construction, weirs, and spring rehabilitation appeared insufficient or poorly documented. The department did not report on actual expenditure per project it was reported in lamp some.
6. A significant portion of borehole equipping projects remained ongoing, requiring further monitoring and evaluation.

7. Most dam projects were completed on time and within budget hence improved water storage capacity.
8. Some of the dams were too small to be classified as dams but rather water pans.

7.0 COMMITTEE RECOMENDATIONS

Honorable Speaker, to enhance efficiency, transparency, and project impact, the committee recommends the following:

1. **Completion of drilled and capped boreholes:** the committee recommends that the department should complete all the 27 drilled and capped boreholes in the subsequent budget to ensure prudent use of public funds.
2. **Enhanced hydrological survey:** the department should invest in better hydrogeological surveys, both equipment and personnel to avoid the issue of dry boreholes.
3. **Enhancing financial transparency** – The department should ensure all projects have clear budget allocations, actual expenditure records, and financial reports to improve accountability.
4. **Strengthening monitoring and oversight** – A more structured project tracking system should be established to ensure projects are completed as planned.
5. **Redirecting Unspent Funds** – Cost savings from completed projects should be reallocated to underfunded areas such as dam construction, weir construction, and equipping the drilled and capped boreholes.
6. **Improving Community Engagement** – The department should involve local communities more in project planning and implementation to ensure sustainability.
7. **Increased Investment in Sanitation** – Additional funding should be allocated for sanitation infrastructure to ensure households connectivity to sewer lines and construction of public toilets in strategic markets in order to promote public health.

8.0 CONCLUSION

Honorable Speaker, Article 43(1)(d) of the Constitution guarantees every person the right to clean and safe water in sufficient quantities. To uphold this right, water-related matters have been devolved under Schedule 4 of the Kenya Constitution. Emphasizing the need for prudent management and accountability of resources allocated for water provision, publicly funded projects should lead to improved services and timely delivery to the people. It is within this framework that the Water Committee has compiled this report for discussion and adoption by the House.

On behalf of the committee, I extend my gratitude to the Office of the Speaker and the Clerk for facilitating the committee's work. I also appreciate the dedication of committee members in fulfilling their oversight duties and acknowledge the Secretariat for their invaluable support during the preparation of this report.

SIGN..........

DATE 7/10/2025.....

Hon. Daniel Muindi

Chair, Water and Irrigation Committee.

REPUBLIC OF KENYA
COUNTY GOVERNMENT OF MACHAKOS
DEPARTMENT OF WATER AND IRRIGATION
MACHAKOS COUNTY WATER PROJECTS IMPLEMENTED FINANCIAL YEAR 2023/2024

PROJECT NAME	WARD	SUBLOCATION	ALLOCATED BUDGET	ACTUAL COST	QUARTER	STATUS	SCOPE OF WORKS
PROGRAM- Boreholes(Drilling, Equipping and Rehabilitation)			105,000,000.00				
DRILLING OF BOREHOLES							
1	Kyangull primary Bh	Mumbuni North	Kasinga	4,797,760.00	4	Drilled and capped	Hydrogeological survey,Drilling 180M,Casing,Borehole development,24Hr test pumping,Water quality analysis
2	St. Jude Catholic church bh	Athi River	KMC	2,400,040.00	4	Drilled and capped	Hydrogeological survey,Drilling 190M,Casing,Borehole development,24Hr test pumping,Water quality analysis
3	AIC Kasina Bh	Mlolongo	Syokimau	4,795,440.00	4	Drilled and capped	Hydrogeological survey,Drilling 240M,Casing,Borehole development,24Hr test pumping,Water quality analysis
4	Kicheko Bh	Mlolongo	Syokimau	2,507,920.00	4	Drilled and capped	Hydrogeological survey,Drilling 200M,Casing,Borehole development,24Hr test pumping,Water quality analysis
5	Kathangaita Bh	Mlolongo	Syokimau	4,115,680.00	4	Drilled and capped	Hydrogeological survey,Drilling 220M,Casing,Borehole development,24Hr test pumping,Water quality analysis
6	Kinanle Primary Bh	Kinanle	Kinanle Town	2,831,560.00	4	Drilled and capped	Hydrogeological survey,Drilling 230M,Casing,Borehole development,24Hr test pumping,Water quality analysis
7	Mulandi Primary Bh	Kinanle	Daystar	1,278,320.00	4	Drilled and capped	Hydrogeological survey,Drilling 200M,Casing,Borehole development,24Hr test pumping,Water quality analysis
8	Muslim School Bh	Athi River	Star Sheik	2,669,740.00	4	Drilled and capped	Hydrogeological survey,Drilling 215M,Casing,Borehole development,24Hr test pumping,Water quality analysis
9	Kithunguini Primary Bh	Upper Kaewa	Kitunduni	1,382,720.00	4	Drilled but was dry	Hydrogeological survey,Drilling 220M
10	AIC Mutitu	Kathiani Central	Mbee	4,178,320.00	4	Drilled and capped	Hydrogeological survey,Drilling 200M,Casing,Borehole development,24Hr test pumping,Water quality analysis
11	Matumani Bh	Kangundo East	Ila Itune	4,411,480.00	4	Drilled and capped	Hydrogeological survey,Drilling 170M,Casing,Borehole development,24Hr test pumping,Water quality analysis
12	Mathatani Primary Bh	Kinanle	Mathatani	2,507,920.00	4	Drilled and Capped	Hydrogeological survey,Drilling 200M,Casing,Borehole development,24Hr test pumping,Water quality analysis
13	Iiani Primary School Bh	Katangi	Syokisinge	3,802,480.00	4	Drilled and capped	Hydrogeological survey,Drilling 320M,Casing,Borehole development,24Hr test pumping,Water quality analysis
14	Wamboo Market Bh	Ekalakala	Wamboo	2,076,400.00	4	Drilled and capped	Hydrogeological survey,Drilling 160M,Casing,Borehole development,24Hr test pumping,Water quality analysis
15	Ngamba Market Bh	Muthetheni	Ngamba	4,735,120.00	4	Drilled and capped	Hydrogeological survey,Drilling 200M,Casing,Borehole development,24Hr test pumping,Water quality analysis
16	Matuu County Lodge	Matuu	Katulani	3,332,108.00	4	Complete	Hydrogeological survey,Drilling 220M,Casing,Borehole development,24Hr test pumping,Water quality analysis
17	Kathaana Salvation Army Bh	Kangundo West	Kathaana	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 180M,Casing,Borehole development
18	St. Joseph Sec. School Katheka Bh	Matungulu East	Katheka	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 160M,Casing,Borehole development
19	Kyamutwoi VTC	Matungulu West	Kalandini	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 170M,Casing,Borehole development
20	Uritihl Primary School Bh	Mwala/Makutano	Kvandini	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 180M,Casing,Borehole development
21	Mbembani Dispensary Bh	Ndalani	Kivingoni	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 160M,Casing,Borehole development
22	Kwa Jimmy Bh	Kithimani	Kithimani	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 170M,Casing,Borehole development
23	Kivaa Sec. Bh	Kivaa	Kivaa	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 180M,Casing,Borehole development

24	Kivaa Sec. Bh	Kivaa	Kivaa	In-house	4	Stuck with Rods	Hydrogeological survey,Drilling 140M,Casing,Borehole development	
25	Kavingo Catholic Church Bh	Katangi	Kyua	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 190M,Casing,Borehole development	
26	Kiwanza Market Bh	Ndalani	Mavoloni	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 180M,Casing,Borehole development	
27	Kawauni Primary Bh	Kangundo North	Kawauni	In-house	4	Ongoing	Hydrogeological survey,Drilling	
28	Saime Bh	Matungulu East	Matheini	In-house	4	Surveyed awaiting Drilling	Hydrogeological survey	
29	Ndeini Bh	Kangundo West	Mburyani	In-house	4	Surveyed awaiting Drilling	Hydrogeological survey	
30	Manza Primary Bh	Mumbuni North	Lower Klandani	In-house	4	Surveyed awaiting Drilling	Hydrogeological survey	
31	Kyanguli Primary Bh	Mumbuni North	Mutituni	In-house	4	Drilled and capped	Hydrogeological survey,Drilling 180M,Casing,Borehole development,Water Quality	
32	Kwa Kitetu Bh	Mua	Kanda	In-house	4	Surveyed awaiting Drilling	Hydrogeological survey	
33	St. Marys Boys Primary Bh	Machakos central	Muthini	In-house	4	Surveyed awaiting Drilling	Hydrogeological survey	
34	Kalonduni Bh	Kola	Muumandu	In-house	4	Surveyed awaiting Drilling	Hydrogeological survey	
35	Mataka Bh	Muthesya	Muthesya	In-house	4	Surveyed awaiting Drilling	Hydrogeological survey	
EQUIPPING								
1	Kiteng'ei ECDE Bh	Upper Kaewa	Kaliuni		2,453,980.00	4	Equipped and Reticulated	Installation of pump & Motor,Installation of Solar modules,Water pipeline 1KM,1No.10,000 Litre Tank,Water Tower 6M,Site signage,Masonry Borehole chamber construction,Installation of 2 Community water drawing points
2	Komarock Shrine Bh	Matungulu West	Komarock		4,961,320.00	4	Equipped and Reticulated	Installation of pump & Motor,Installation of Solar modules,Water pipeline 2.8KM,2No.10,000 Litre Tank,Water Tower 6M,Site signage,Masonry Borehole chamber construction,Installation of 3 Community water drawing points
3	Kwa Mang'eli Bh	Athi River	Mavoko		2,927,840.00	4	Equipped and Reticulated	Installation of pump & Motor,Installation of Solar modules,1No.10,000 Litre Tank,Water Kiosk,Site signage,Masonry Borehole chamber construction
4	Matuu County Lodge	Matuu	Katulani		4,896,940.00	4	Equipped and Reticulated	Installation of pump & Motor,Installation of Solar modules,Water pipeline 700M,2No.10,000 Litre Tank,Water Tower 6M,Site signage,Installation of 1 water drawing point
REHABILITATION OF BOREHOLES								
1	Kalukuni Bh	Kithimani	Kambi ya Ndeke		2,042,760.00	4	Rehabilitated	Installation of Motor & Inverter,Construction of borehole masonry chamber,pump pullout,painting the steel structure,water pipeline 200M,Construction of Community drawing point 1No.
2	Mbiuni Market Bh	Mbiuni	Nyaanyaa		907,468.00	3	Rehabilitated	Pump pullout,Installation of pump & Motor,Construction of masonry chamber,Installation of adaptor set,construction of 1 No. water drawing point
3	St. Marys Kola Girls Bh	Kola	Kanga		742,516.00	3	Rehabilitated	Pump pullout,Installation of pump & Motor,Installation of control panel,Installation of cooling sleeve
4	Kiatineni Market Bh	Ndithini	Kiatineni		1,363,000.00	3	Rehabilitated	Pump pullout,Installation of pump & Motor,Construction of masonry chamber,construction of 1 No. water drawing point,Painting the solar structure,500 M pipeline

5	Katendi Bk	Machaka central	Mtshwari
6	ABC Kamandi Bk	Kayunga East	Isi Ntsho
7	Fundamental Market Bk	Thabata	Thabata
8	Nyandeni Market Bk	Kathuni Central	Nyandeni sub location
9	Esizweni Market Bk	Khuzha	Kayunga Urban
10	Wentama Chief camp	Mitshingo	Sankhama
11	Office of the Governor Bk	Mathe	Mitshingo

1,947,640.00	1	Rehabilitated	Pump pulout, installation of pump & Motor, construction of masonry chamber, construction of 1 No. water drawing point, painting the solar structure 500M pipeline, Water Tower 6M
1,317,954.00	1	Rehabilitated	Pump pulout, installation of Motor, construction of masonry chamber, painting the solar structure, 300M pipeline, installation of UG Cable 60M, installation of water meter supply and installation of handpump around the borehole site signage
4,899,433.00	1	Rehabilitated	Installation of pump & Motor, installation of solar structure, Pipeline 2.5KM, construction of water tower 4M high, supply 21No. AC, 22KV, 2 no. tanks, construction of 4 water drawing points, construction of 21No. Water Tanks & pump house signage
1,405,093.00	1	Rehabilitated	Installation of solar structure & inverter, masonry borehole chamber, water pipeline 300M, 1No. Drawing point, Adaptor set, UG Cable 40M, signage
1,943,116.00	4	Rehabilitated	Installation of solar structure, construction of masonry borehole chamber, Water tower 2M high, installation of 1 No. 300M, 1No. water tank, repair of pipeline, painting of pump house & other auxiliary works, signage
2,444,874.00	4	Rehabilitated	Pump pulout, installation of pump & Motor, installation of adaptor set, construction of borehole masonry chamber, reinforcement & painting of the steel solar structure, UG Cable 40M, construction of steel tower 5M High, supply 1No. 10,000 litre Tank, Pipeline 100M, 1No. community drawing point
4,954,464.00	3	Rehabilitated	Pump pulout, supply and application of Ballast, crushing of the UPMC Casing, installation of 2" steel casing, scribe and application of clean gravel, borehole development, installation of motor & Pump, installation of inverter, masonry borehole chamber, Deep case installation 155M, painting of solar structure, site signage

WEIRS 62,063,723.00

CONSTRUCTION OF WEIRS

1	Kwe Gho Stream weir	Upper Kanyo	Kalluk
2	Kwe Ngga Stream Weir	Upper Kanyo	Kalluk
3	Kwe Muzo Canyon	Mtshwari North	Mtshwari

1,904,750.00	4	Complete	Excavation to the river bed 50M (L) *2M (W) *1.5M (D), construction of the wall using concrete and reinforcement bars, construction of protection aprons upstream & downstream (12M long, 2M wide, 0.4M thickness) site signage
2,242,802.00	4	Complete	Excavation to the river bed 20M *2M *1M, construction of the wall using concrete and reinforcement bars, construction of protection aprons upstream & downstream (12M long, 2M wide, 0.4M thickness) site signage
2,121,546.00	4	Complete	Excavation to the river bed 16M (L) *2M (W) *1M (D), construction of the wall using concrete and reinforcement bars, construction of protection aprons upstream & downstream (12M long, 2M wide, 0.4M thickness) site signage

4	Ndweno Weir	Kyeleni	Kituluni
5	Kathaana Kikondeni Weir	Kangundo West	Mbusyani
6	Ngumuti Kwa Mutua Weir	Kangundo East	Kathome
7	Walkawa Weir	Muthwani	Muthwani
8	Kathyoli Weir	Mbiuni	Mbiuni
9	Kwa Mutavi Weir	Mwala	Kamwala
10	Tendelyani Weir	Machakos central	Upper Klandani
11	Kyonde Weir	Mumbuni North	Kyonde
12	Murwana Kamwala Weir	Mwala /Makutano	Kamwala
13	Kwa Mulinga Weir	Ekalakala	Nzukini
14	Kwa Kitoko Weir	Ikombe	Kyasiini
15	Kwa Kala Syuuni Weir	Wamunyu	Syuuni

2,417,774.00	4	Complete	Excavation to the river bed 36M (L) *2M (W)*1M (D).Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(20M Long,2M Wide,0.4M Thickness)Site signage
2,564,343.50	4	Complete	Excavation to the river bed 26M *1M*2M,Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(10M Long,2M Wide,0.4M Thickness)Site signage
1,917,503.00	4	Complete	Excavation to the river bed 16M (L) *2M (W)*1M (D).Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(10M Long,2M Wide,0.4M Thickness)Site signage
3,718,662.00	4	Complete	Excavation to the river bed 30M (L) *2M (W)*1M (D).Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(20M Long,2M Wide,0.4M Thickness)Site signage
4,287,025.34	4	Complete	Excavation & Construction of foundation,Construction of the Wall using concrete & reinforcement bars,Construction of protection aprons down stream,site signage
4,708,268.90	4	Complete	Excavation & Construction of foundation,Construction of the Wall using concrete & reinforcement bars,Construction of protection aprons down stream,site signage
1,581,460.00	4	Complete	Excavation to the river bed 16M *2M*1M,Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(10M Long,2M Wide,0.4M Thickness)Site signage
3,160,754.85	4	Complete	Excavation to the river bed ,Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(10M Long,2M Wide,0.4M Thickness)Site signage
5,083,728.00	4	Complete	Excavation to the river bed 20M *2M*1M,Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(20M Long,2M Wide,0.4M Thickness)Site signage
4,887,068.00	4	Complete	Excavation to the river bed 30M (L) *2M (W)*1M (D).Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(20M Long,2M Wide,0.4M Thickness)Site signage
2,657,500.00	4	Complete	Excavation to the river bed 25M (L) *2M (W)*1M (D).Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(15M Long,2M Wide,0.4M Thickness)Site signage
4,204,829.00	4	Complete	Excavation to the river bed 42M (L) *2M (W)*1M (D).Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(20M Long,2M Wide,0.4M Thickness)Site signage

16	Kwa Munguti Weir	Katangi	Syokiisinga	5,647,254.25	4	Complete	Excavation to the river bed,Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(40M Long,2M Wide,0.4M Thickness)Site signage
17	Kwanzani Weir	Ndalani	Kwa Ndolo	2,673,155.00	4	Complete	Excavation to the river bed,Construction of the wall using concrete and reinforcement bars,Construction of protection aprons upstream & downstream(10M Long,2M Wide,0.4M Thickness)Site signage

SPRINGS 10,000,000

1	Ndaluni Spring	Mbluni	Katitu	4,499,408.00	4	Complete	Rehabilitation of the spring Area,Pipeline laying 10KMs,Construction of 4 Concrete bases 2ft high,Supply & Installation of 3No. 10,000 Tanks,Construction of Inspection chambers along the pipeline,Construction of 5 community water drawing points
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CONSTRUCTION,REHABILITATION AND DESILTING OF DAMS 215,000,000.00

CONSTRUCTION OF DAMS

1	Construction of Ndalani Earth Dam	Kivaa	Thatha	15,840,841.00	4	Complete	Excavation of reservoir,Embankment construction,Fencing,Construction of sump-well,Installation of solar pumping system,Raising main to the market 800M,Construction of cattle troughs and watering point,Supply 5,000Litre tank,Construction of Toilets
2	Matokini Earth Dam (Construction & Completion)	Katangi	Kyua	24,418,402.00	4	Ongoing	Excavation of reservoir,Embankment construction,Fencing,Construction of sump-well,Construction of Intake Tower & draw off system ,Installation of solar pumping system,Raising main to the market 1KM,Construction of cattle troughs and watering point,Supply 5,000Litre tank,Construction of Toilets
3	Repair of Kwa Ndolo Dam Spillway	Lower Kaewa	Kauti	2,859,400.00	4	Complete	Repair of embankment,Lowering the spillway channel,Stone pitching of the entire spillway
4	Rehabilitation of Kyamatu Dam	Kola	Katanga	3,223,292.00	4	Complete	Repair of embankment,Lowering the spillway channel,Stone pitching of the entire spillway
5	Rehabilitation of Kiatini Earth Dam	Mbluni	Mumbuni	3,932,864.00	4	Complete	Repair of embankment,Lowering the spillway channel,Stone pitching of the entire spillway
6	Repair of Kalukuni Earth Dam Spillway	Kithimani	Kambi ya Ndeke	3,096,040.00	4	Complete	Repair of embankment,Lowering the spillway
7	Ilumya Earth dam	Mutituni	Kamuthanga	1,351,303.49	2	Complete	Desilting
8	Kwa Tito Earth Dam	Mutituni	Ngelani	2,357,181.71	2	Complete	Desilting
9	Kwa Douglas Earth Dam	Mua	Kyaani	1,822,870.40	2	Complete	Desilting
10	Kathese Earth Dam	Mumbuni North	Lower Klandani	3,148,588.00	2	Complete	Desilting
11	Iluvya Earth Dam	Muvuti/Kiima Kim	Muvuti	1,712,160.00	2	Complete	Desilting
12	Kwa Maunda Earth Dam	Mua	Katelembo	1,915,948.00	2	Complete	Desilting
13	Kwa David Ndima Earth Dam	Lower Kaewa	Kauti	2,005,060.00	2	Complete	Desilting

14	Kwa Mune Dam	Lower Kaewa	Kauti	1,866,347.00	2	Complete	Desilting
15	Kathemboni Earth Dam	Kathiani Central	Ngoleni	1,123,613.00	2	Complete	Desilting
16	Kwa Mbeki Earth Dam	Kathiani Central	Kalani	2,433,564.00	2	Complete	Desilting
17	Mathunya Earth Dam	Mitaboni	Mathunya	4,446,628.00	2	Complete	Desilting
18	Ka Kele Dam	Mitaboni	Kinyau	2,541,676.00	2	Complete	Desilting
19	Kwa Kasenga Dam	Kangundo West	Kakuyuni	2,595,616.00	2	Complete	Desilting
20	Kwa Kiloo Earth Dam	Kangundo West	Mukunike	3,840,064.00	2	Complete	Desilting
21	Kivuluni Dam	Kagundo North	Mbilini	2,506,412.00	2	Complete	Desilting
22	Mulingana Earth Dam	Kangundo Central	Matetani	3,013,216.00	2	Complete	Desilting
23	Kwa Ndulu Earth Dam	Kangundo Central	Matetani	3,849,924.00	2	Complete	Desilting
24	Kwa Nzambu Dam	Kangundo East	Kathome	2,908,468.00	2	Complete	Desilting
25	Ngangani Earth Dam	Kangundo East	Kivi	5,266,864.00	2	Complete	Desilting
26	Kyeleni Earth Dam	Kyeleni	Kyeleni	4,340,836.00	2	Complete	Desilting
27	Kwa Luusa Earth Dam	Matungulu North	Kyanzavi	4,105,704.00	2	Complete	Desilting
28	Kwa Kakulu	Matungulu North	Uamani	5,449,912.00	2	Complete	Desilting
29	Isooni Earth Dam	Matungulu West	Kithuani	3,845,748.00	2	Complete	Desilting
30	Ngangani Earth Dam	Kibauni	Mukaa	3,492,528.00	2	Complete	Desilting
31	Konza Earth Dam	Kibauni	Ndithini	3,512,016.00	2	Complete	Desilting
32	Kwa Lulu Earth Dam	Wamunyu	Kaltha	7,788,704.00	2	Complete	Desilting
33	Kwa Mita Dam	Wamunyu	Kyamatula	4,219,848.00	2	Complete	Desilting
34	Kwa Mauu	Kyeleni	Kituluni	7,924,424.00	2	Complete	Desilting
35	Mangtheni Earth Dam	Ekalakala	Ekalakala	3,755,516.24	2	Complete	Desilting
36	Kwa Lazarus Earth Dam	Muthesya	Kikule	8,321,812.16	2	Complete	Desilting
37	Kwa Maingi Earth Dam	Muthesya	Kathukini	4,891,128.98	2	Complete	Desilting
38	Kyeeteni Earth Dam	Masinga Central	Masinga	3,674,415.91	2	Complete	Desilting
39	Kwa Yoko Earth Dam	Masinga Central	Kikumini	2,487,464.79	2	Complete	Desilting
40	Kakongo Earth Dam	Ndalani	Kivingoni	2,806,591.00	2	Complete	Desilting
41	Kwa Matinga Earth Dam	Matuu	Katuluni	3,323,440.60	2	Complete	Desilting
42	Kwa Sika Earth Dam	Matuu	Katulani	3,710,608.00	2	Complete	Desilting
43	Kiumoni Earth Dam	Ikombe	Ikombe	3,346,136.00	2	Complete	Desilting
44	Kwa Ngovi Earth Dam	Ikombe	Makufano	3,318,233.16	2	Complete	Desilting
45	Matokini Earth Dam	Katangi	Kyua	2,719,214.74	2	Complete	Desilting
46	Kikuyuni Earth Dam	Katangi	Mekilingi	6,088,902.65	2	Complete	Desilting
47	Kwa Ndolo Earth Dam	Lower Kaewa	Kauti	1,661,352.00	2	Complete	Desilting
48	Kwa Muisyo Earth Dam	Matungulu West	Katangini	9,058,904.00	2	Complete	Desilting
49	Mutitu Earth Dam	Lower Kaewa	Kaani	2,096,904.00	2	Complete	Desilting
50	Mbilini Earth Dam	Kangundo North	Mbilini	3,713,392.00	2	Complete	Desilting