

VALLEY H₂O

CENTRAL RIFT VALLEY WATER WORKS DEVELOPMENT AGENCY
E-NEWSLETTER

Issue 003.



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Editor's Note



Carlos Cheluget

The wheels of progress turn steadily and slowly as they start to roll, but pick momentum and direction as they gain speed. That is how I wish to summarized our infant issue one and two of our quarterly CRVWDA Valley H₂O E-Newsletter. Hurray! We are now on our third issue, quarter after quarter, story after a story. Welcome aboard our third issue, you will have a full menu of stories to bite, from the Technical angle to Corporate bit.

We continue to give some more attention and interest both from the technical and communications perspectives our new county of Laikipia as we look back at the progress and achievements we have made in the other four counties of Nakuru, Narok Nyandarua and Baringo, just the way loving mother will count on her senior offspring and the kindle her newly born.

With the third issue we are glad to let you read great articles based on academically sound research with applications for business minds from our professionals in different disciplines, a perfect start being from our manager Corporate Planning and Strategy.

Karibu sana

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Eng. Samuel Oruma

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Chairman's Statement

We know that the months of April-June have been fully engaged with the campaigns for the upcoming elections. We are cognizant to that and wish all Kenyans peaceful election period.

As we close the financial year 2021-22, we at CRVWWDA are extremely encouraged by all our stakeholders who have continued to give us a lot of support in implementing our programs and meeting our mandate. The financial year 2021-22 has not passed without its share of challenges.



*Amb Boniface Muhia.
Chairman.*

CEO'S Statement



During the beginning of the 2021-22 financial year, we prioritize as institution the need to have a quarterly E-version newsletter to be used as our mouthpiece. I am proud to state that we managed three out of the four issues.

This is the last issue as we progressively move to the next year. Kindly appreciate our effort and specifically the Editorial team and our Communications division for their determination. To improve further on this, we have developed a brief survey E-form questionnaire to hear from you. We will be glad to hear from you.

Every few years, most institutions and leadership work to develop a new strategic plan to refresh and prioritize their solid goals and review their past performance. Over the last few months, we have been fully engaged in developing our new Strategic Plan that will run for the period 2022 to 2027. I am happy to report in this issue that the document has been finalized and awaiting the official launch. Possibly we will be reporting back to you on the same in our next issue as this is a key milestone in our new look organization. Lastly allow me to assure you of a very informative feedback from us in respect to achieving our mandate within and outside our boundaries as we continue to connect more Kenyans to reliable water supply and sanitation services.

*Eng. Samuel Oruma.
Chief Executive Officer.*

African Development Bank Supervision Mission of Projects.



A delegation from AfDB lead by the Task Manager Eng. Mary Kilongi join CRVWWDA Engineers in supervising projects under KTSWSSP

The Government of Kenya received financing from the African Development Bank (AfDB) in the form of a credit towards the “Kenya Towns Sustainable Water Supply and Sanitation Program (KTSWSSP). The aim of the program is to improve the quality of life and reduce poverty levels of the population of Kenya through provision of water and sanitation services on a sustainable basis.

In a supervision mission to inspect the progress of the projects under this programme, the AfDB Team led by the Task Manager Eng. Emily Kilongi successfully completed a three day AfDB mission of projects under this programme (KTSWSSP) funded by the bank.

The delegation held a supervision consultative meeting which involved a well-documented presentation of the status of all projects to the team and stakeholders. The team sighted challenges affecting the project implementation cycle and purposed to find solutions in the effort of ensuring the Projects are delivered within the stipulated time span.

On the second day of the supervision mission, the delegation inspected the

progress of works of the Eldoret Last Mile Connectivity project which is at 52% whose main scope comprises of the construction of a 47.2kms sewer pipeline, that is meant to serve a population of 709,485 by the year 2040. The team also inspected the Kipkarren Water Supply project in Uasin Gishu County.

In conclusion of the Three-day supervision mission, the AfDB delegation applauded CRVWWDA on the nearly completed Chepareria Town Sewerage project in West Pokot County. This project is meant to serve over 13,000 residents with over 400 new customer connections. The project becomes the second among many projects under this programme to be nearly completed within a stipulated time. The team also carried out a tree planting exercise at the project site.



A section of Chepareria Town Sewerage



A section of Kirandich Phase I Dam

Baringo's Greatest Desire

The construction of Kirandich Dam phase I project was commissioned by the late President Daniel Arap Moi in 2001 to help alleviate the decade-long water shortage experienced in Kabarnet town and its environs. The multi-billion Water Project, located at the heart of Baringo County was funded by the Kenyan Government based on cooperation agreements with the Italian Government.

The Kirandich water supply system is fed by an artificial reservoir which has a capacity of 4Mm3 situated at the confluence of River Kaplel and River Kinyo. The components included a conventional water treatment plant with a production capacity of 14,000,000 liters, 2 boreholes and 2 pumping stations.

In 2007, the Government of Kenya presented new interest in the upgrading of the Kirandich water supply system to ensure the precious commodity reached the “mwananchi”. This idea later saw the birth of the Kirandich Phase II whose aim is to connect more households and institutions with tap water.

Kirandich Phase II scope of work includes Water supply for Kabarnet town and neighboring urban centers (Kituro, Kapsoo, Kabartonjo), sewerage system, and wastewater treatment plant in Kabarnet, enlargement of dam spillway and the rehabilitation of the draw-off system, hydropower power generation plant among others.

The Kirandich Phase II is being implemented the Agency to supply potable water and improve sanitation services in the town. Currently, the Town's water supply System can accommodate production of 3,000,000 liters per day from the existing treatment plant which has a capacity of 14,000,000 liters per day an issue that will be resolved once the reticulation system is rehabilitated to optimize

production, improve water supply coverage and efficiency. In addition, there is anticipation for an increase in wastewater production by 25% hence the need to put up a wastewater management system in the town.

The implementation of the flagship Project however has not been smooth. The commencement of the Project in early 2017 and the expected completion date at the end of 2018 have experienced several challenges during its execution that led to a stalemate with the Italian-based contractor- Cospin S.R.L.

Some of the challenges faced by the project included delays in the acquisition of land, delays in getting No objection from the funding agency on contract extension, delays in enforcing the Forest Moratorium (prohibition of the conversion of primary natural forests) Forest Blocks by Kenya Forest Services (KFS) with the approval process currently ongoing among other challenges.

The Agency Chief Executive Officer, Eng. Samuel Oruma assured the beneficiaries of jumpstarting the Project.

“The Agency is trying to ensure there are no further interruption in the implementation of the Project once Addendum no. 2 is signed. We are requesting the KFS and KeNHA/KURA/KERA to fast track the forest and way-leave approvals respectively” said the CEO.

Furthermore, Eng. Oruma said as a measure to avoid any future delays, they are engaging the contractor for evaluation on his capability to continue with the project.

Upon completion, the project will serve about 80,000 people and livestock in Baringo Central and 20,000 people and livestock in Baringo North Sub-counties.

The Project, by increasing water supply and improving sanitation services in the County will reduce the incidence of water-borne related diseases.

Now or Never



Areka Pri- Sch. pupils join CRVWWDA staff in planting tress at Ugunja -Sega -Ukwala Water Supply Project Ttreatment plant.

Climate change is increasingly impacting the lives of Kenya's citizens by depriving them the right to clean water and sanitation. *Philip Kimeli* an Environmental Engineer at the Agency weighed in that the meteorologic conditions have eventuated floods, droughts, changes in precipitation and temperature extremes that result to water scarcity, contamination of drinking water and exacerbation of the spread of diseases.

Climate change affects the water sector in various ways such as increasing variability of the water cycle due to increased evaporation rates which further reduces the water levels and supplies in many regions. Unpredictable rainfall patterns and extreme weather events such as floods and drought result in declined water quantity and quality which further threatens sustainable development, biodiversity and the human right to access to safe drinking water and sanitation.

The agency through its program such as Kenya Towns Sustainable Water Supply and Sanitation aims to achieve the following SDGs with the implementation of water and sewerage projects. UN SDG 6: *"Ensure availability and sustainable*

management of water and sanitation for all" and UN SDG 13 on climate action which refers to *"stepped-up efforts to reduce greenhouse gas emissions and strengthen resilience and adaptive capacity to climate-induced impacts, including: climate-related hazards in all countries; integrating climate change measures into national policies, strategies and planning."*

The Agency has implemented adaptation, mitigation and risk management measures to build resilience against the negative impacts of climate change, further, it is creating awareness for behavioral change through community sensitization and school programs to help mobilize local action to expand peoples control over the choices and efforts they need to employ to conserve the environment.



CRVWWDA Environmental Eng. Philip Kimeli in an engagement with water sector stakeholders in Olkalou Nyandarua County.

With the integration of tree planting into the performance contract, the Agency's mission to plant 30,000 trees draws life in financial year 2021-2022. The initiative looks forward to adding forest cover as a measure to conserve water bodies and preserve the environment.

The agency has adopted and utilized durable yet affordable and sustainable energy sources like solar energy and hydropower to pump water to higher grounds thus providing flood control, irrigation support and clean drinking water.



Kuresoi health centre borehole Elevated tank tower

In the quest of increasing water storage capacity and diversified water supply options, CRVWWDA is preserving riparian wetlands to improve water quality by building water pans for the benefit of livestock farmers.

Successful adaptation to climate change and climate resilience will build a sustainable place for all livelihoods.

Green Treasure



Agency's staff plant trees at the Ugunja-Sega-Ukwala Water Supply Project Treatment Plant on 6th June.

In 1898, a renowned Russian playwright and short story writer Anton Chekhov said, *"A tree is beautiful, but what's more, it has a right to life; like water, the sun and the stars, it is essential. Life on earth is unconceivable without trees."* Climate influences people's character so to wildlife. Forests create climate thus, beyond individual, corporate or local goals, growing trees contributes much to climate targets.

In recent times, agricultural expansion, unregulated logging and urbanization resulted in dramatic impacts of deforestation and land degradation. Deforestation has culminated in destruction of water towers, leading to extinction of indigenous forest plantation species and intensified the impacts of floods and soil erosion thus, reducing availability of fresh water during droughts which has far-reaching consequences on communities, ecosystems, and infrastructure.

The Agency in conjunction with the Ministry of Water, Sanitation and Irrigation has been in a tree planting mission in a bid to restore, rehabilitate and conserve forests in water catchment areas as part of the strategies to increase forest cover. The ongoing virtuous course has witnessed the Agency allocate 10% of its CSR budget to the tree planting

campaign. In Financial Year 2021-2022 the Agency has planted 16,000 trees out of the 30,000 trees targeted by the end of the FY in different Counties in Kenya. Further, the Agency forges ahead in educating, sensitizing, and creating awareness to social communities on the importance of growing forests in water catchment areas to conserve the water towers.

Currently, Kenya forest cover stands at 7.2% according to the latest report by the Ministry of Environment and Forestry. The coverage is 2.8% shy from the 10% required by GOK by 2022. Thereby, as directed by the constitutional commitment that was signed in 2018, the Government seeks to deeply indulge in reforestation and afforestation.



CRVWDA staff plant trees at Mwache, Kwale County on 10th May

Laikipia County, the Haven for Tourism



The Agency's CEO, Eng. Samuel Oruma during Laikipia water sector stakeholders engagement.

funded by AfDB. The feasibility study reports are ready, tender documents prepared and the Agency through MWSI is sourcing for funding. The project is expected to serve 116,600 people living across the border of the said counties.

4. Mukurweini Water Project.

This project lies under Cross Country Project is in Laikipia West and the Agency is currently implementing the phase I that includes construction of intake, pumping unit, rising main, construction of 25m³ masonry sump, installation of booster pump, solarization of pumping system and partial

distribution network. The phase I of the project is complete and currently serving 10,000 people in Laikipia West. Phase II that should follow immediately will increase the distribution network to reach 20,000 people.

5. Umande Water Project

This project in Laikipia East entails construction of eight masonry tanks of different capacities to serve 8000 people. So far, Gakeu-Muramati, Koita-Akorino, Mwakamuga, Muinyama and Ex-Webb are currently operational.

6. Drought Mitigation Program.

During the financial year 2021-2022, the Agency undertook a number of programs to mitigate the mwananchi from the effects of the December- April drought in parts of Laikipia County.

Together with the MWSI and the County Govt. of Laikipia, the Agency conducted an extensive water tracking program using the 2 water bowsers to remote communities in Laikipia East and North. Additionally, the Agency supplied No. 50 10,000ltrs capacity plastic water tanks and No. 20 5,000 ltrs capacity plastic water tanks within Laikipia West, East and North.

Following the Gazette Notice No. 4 dated 7th February, 2020, the Ministry of Water Sanitation & Irrigation re-organized the fundamentals of RVWWDA that initially had 7 Counties.

In the new arrangement, the Ministry split the Agency into two, Central and North.

Nakuru, Baringo, Narok and Nyandarua remained under Central with an additional Laikipia County that was carved out of NWWDA. The Headquarter of Central remained under what was RVWWDA in Nakuru.

CRVWWDA was given a new task of management water & sanitation infrastructure in the expansive Laikipia County.

Since the take over 2yrs ago, the Agency has fast-tracked a number of on-going projects in the region and initiated a number of new projects targeting the rural, semi-urban and urban areas.

In this issue, we wish to outline some of the new projects under study or implementation by the Agency.

1. Pesi Dam

The dam has been designed to serve a population of approximately 394,716 people in Laikipia County which includes but not limited to Wiyumirie, salama and Nyahururu Town and addition Olkalou, Ol jororok and Ndaragwa constituencies in the neighboring Nyandarua County.

2. Rumuruti Dam Water Supply Project.

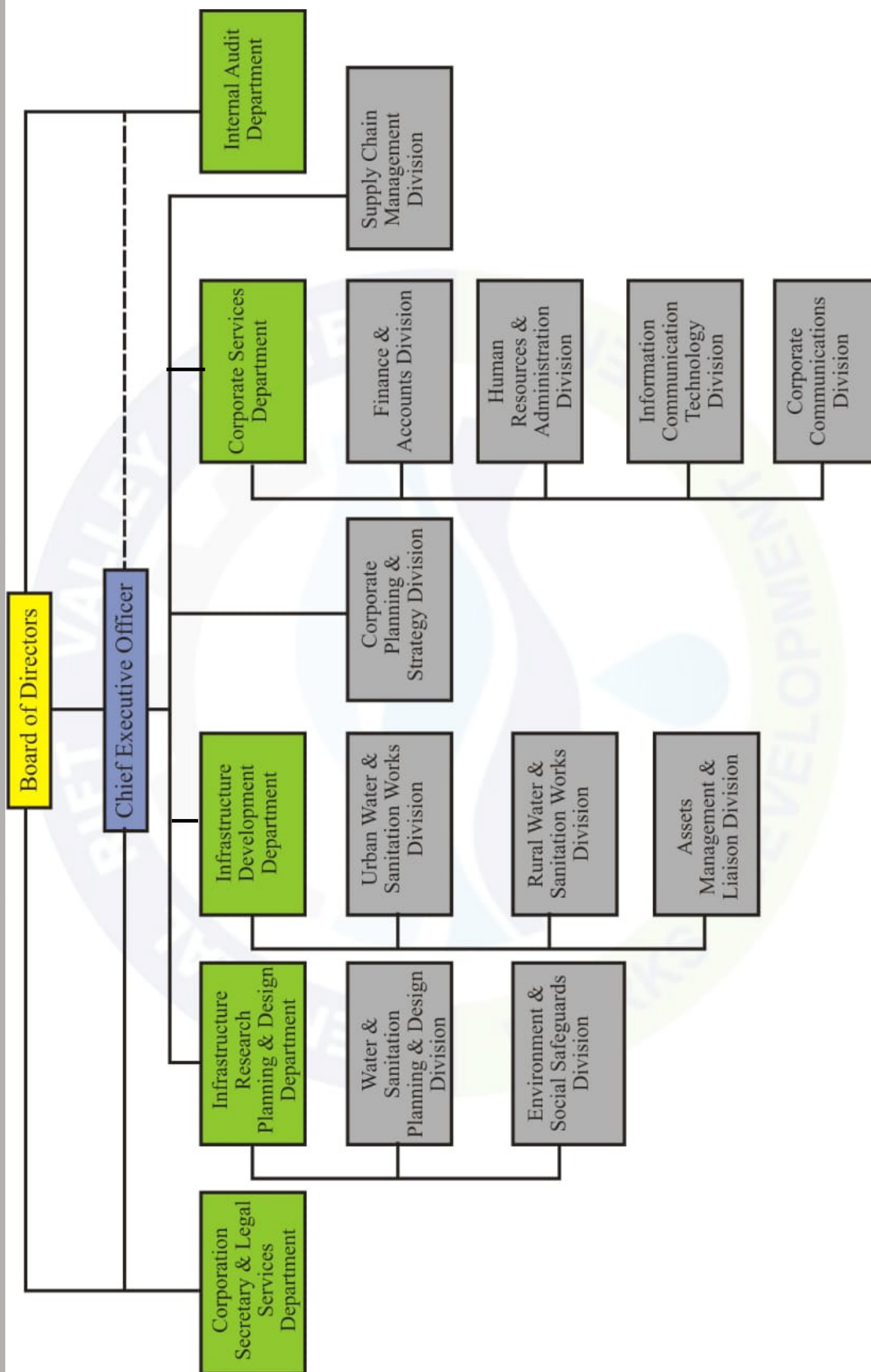
The newly established County headquarter of Laikipia is expected to receive good population and infrastructure development when the County moves to the headquarters here by the end of 2023.

The Agency is currently undertaking evaluation of expression of interest for consultancy after which issuance of request for proposals will be done. The project will benefit a population of 50,000 in Rumuruti town and its environs.

3. Amaya Dam

This is a major project of the border of Laikipia, Samburu and Baringo Counties. The Agency is currently undertaking a feasibility study of the dam and the KTSWSSP(RV) cluster

CENTRAL RIFT VALLEY WATER WORKS DEVELOPMENT AGENCY APPROVED ORGANIZATION STRUCTURE



PICTORIAL

In this issue, we capture marketing strategies by some of our stakeholders towards our potential staff.



CRVWDA staff receive general medical check up during a marketing event held at the Agency by Equity Afia healthcare on 10th June 2022.



Kings Sapphire Ltd. showcase designs of their upcoming homes that are up for sale in Nakuru County to Agency's staff.



The Agency's staff get insights on financial management courtesy of CIC Group in a marketing event held in the Agency.



DRUG & AWARENESS PREVENTION

Drinking is associated with the workplace culture and acceptance of drinking, Workplace alienation, the availability of alcohol, and the existence and enforcement of

workplace alcohol policies (Ames and Janes 1992; Trice and Sonnestuhl, 1988).

Central Rift Valley Water Works Development Agency, as per the performance contracting requirement, undertook the prevention of Alcohol and Drug Abuse target for the final year 2021-22.

The Agency resourced facilitators from National Authority for the Campaign against Alcohol and Drug Abuse (NACADA) to support development of workplace policy on Alcohol and Drug Abuse.

The Alcohol and Drug Abuse Committee Members developed a draft on workplace Alcohol and Drug Abuse Prevention and Management Policy and is ready for management review. A staff sensitization will later follow

Among other cross-cutting issues were , Implementation of Citizens' Service Delivery Charter, Business Process Re-engineering, Road Safety Mainstreaming, Corruption Prevention, Prevention of HIV Infections and Non-Communicable Diseases, Safety and Security Measures, and National Cohesion and Values.



DISABILITY MAINSTREAMING



*Not all Disabilities
are Visible*

“Able does not mean enabled. Disabled does not mean less able.” these were words from Khang Kijarro Nguyen.

This were the sentiments shared during a four day training and sensitization on disability mainstreaming, led by Mr. Obwocha from the Ministry of Water, Sanitation and Irrigation.

Central Rift Valley Water Works Development Agency has its efforts in advocating for persons living with disability at the workplace, and strengthens the knowledge on disability. The Agency boasts of smooth cohesion and good working relationship with differently abled staff.

In the spirit of inclusivity, the Agency has opened its career doors by giving a special chance and giving priority to differently abled people in the society. The Agency has seen to it that their clients and stakeholders are well taken care of in this aspect and on that note, it has fully customized its service charter to English and Kiswahili braille version, sign language and audio for those abled differently.

The Agency is yet to appoint a disability champion who will be in the fore line in ensuring the rights of persons living with disabilities are observed and prioritised, as promised by the Agency's Chief Executive Officer, Eng Samuel K. Oruma.

“ A
call to equality equals
love and humanity”.
- Keya



The Agency's Complaint Handling Procedures.

STEP 1: Any CRVWWDA officer receiving a complaint/compliment either oral or written shall record the details in the Agency's complaint register.

STEP 2: If the complaint is straight forward, the receiving officer shall resolve the complaint immediately and update the complaint register.

STEP 3: If the complaint is complex the receiving officer's mandate shall be forwarded to the immediate supervisor for further inquiries and resolution guided by the service charter. If the complaint is not resolved it shall be forwarded for additional action.

STEP 4: The Manager Corporate Communication will then communicate the action to the complainant and update records. If the complainant is not satisfied, the case shall be transferred to the General Manager for further action as necessary and records updated.

STEP 5: All Managers should forward any formal and informal complaints logged through their divisions to the Manager of Corporate Communications quarterly for analysis and CAJ quarterly report.

STEP 6: All the complaints and compliments will be forwarded to the Complaints.

STEP 7: The Complaints Handling Committee shall be expected to prepare a report including the following details as per the CAJ complaints handling reporting template:

- i. *Date the complaint was received.*
- ii. *Complaint channel*
- iii. *Name of the complainant*
- iv. *Complaint issue*
- v. *Action taken*
- vi. *Root cause*
- vii. *Corrective action taken to resolve the complaint*
- viii. *Status-This should state if the complaint is:*
 - *Resolved*
 - *On-going*
 - *New*

IX. Pending complaints from the previous quarter (resolved, ongoing).

FEEDBACK:

Please direct all enquiries, suggestions, concerns, complaints, or compliments to;

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