

March 29th – April 4th

Kitui Campus Earmarked for Infrastructural Developments to Expand Its Training and Research in Eastern Kenya Region



Director/CEO Dr. Leiro Letangule, EBS (seated Second left) flanked by (from left) Deputy Director Academic Affairs Mr. Eric Wamiti, Deputy Director, Research Consultancy and Technical Services Mr. Nelson Kwamini and Campus Principal Mr. Matara Kaburi pose for a group photo with staff and students from Kitui Campus when he visited the campus.

BY: PIUS KIMANI.

Kenya Water Institute (KEWI) Kitui campus is set to benefit with two hostel facilities of 100 capacity each, among other infrastructural developments, in the coming financial year.

According to the institute's Chief Executive Officer, Dr. Leiro Letangule, EBS and the two facilities will not only help raise the status of the institute regarding offering a holistic

learning environment to the students' community but will also help increase the absorption and retention of the students drawn from the institute's catchment areas.

Addressing the staff and students within the institute, Dr. Letangule highlighted that the management, with the support of the governing council and the Ministry of Water, Sanitation, and Irrigation, was keen to ensure that the campus tapped the

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Kitui Campus Earmarked for Infrastructural Developments to Expand Its Training and Research in Eastern Kenya Region

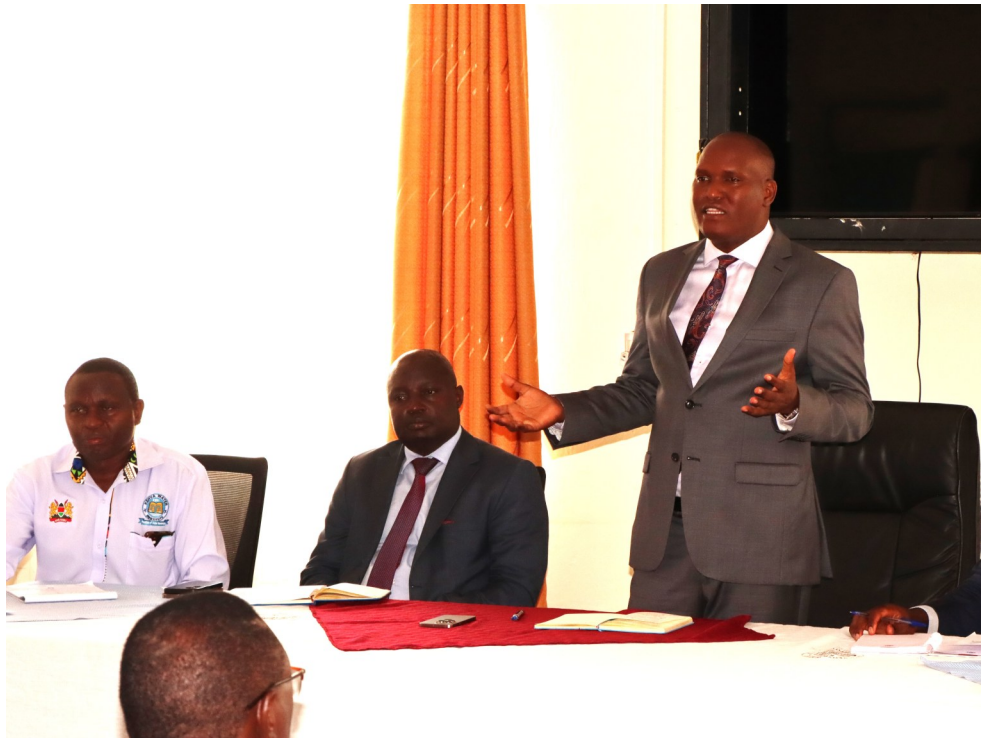
vast population-rich eastern Kenya region to boost the student's population and contribute to the ministry's agendas in the region.

"We are seeking to ensure that this campus grows and expands to accommodate more students and services for the benefit of this region and the whole of Kenya," he said.

While lauding KEWI as one receiving huge recognition due to its strategic position in the water sector in recent times due to its unique mandate, the CEO said that the campus was impressively and resiliently contributing to the overall KEWI growth due to its minimal operational inefficiencies.

"Your use of unique individual strengths to contribute to the overall aspiration of the institute has ensured that despite the operational hiccups that we have had on our pursuit of continued growth, this campus has been part of our great story," he spoke.

Dr. Letangule further promised that to enhance the learning conditions, a pod of containers stationed in the institute would receive a major renovation, including a great roofing. This is to help the students take their practical lessons without much hassle. The CEO further said that he had ensured the campus bus had been renovated to help



Dr. Leiro Letangule EBS addresses Kitui Campus staff during his recent visit to the Campus.

ease the movement of both the staff and the students as they discharged their duties.

"We shall also allocate a double cabin vehicle to the institute as part of the improvement program that we have and which we are keen to enroll across the campuses," he said amid a huge applause from the staff.

Dr. Letangule also notified the staff that new human resource instruments had been approved by the Public Service Commission (PSC) and that the relevant office would commence a sensitization process soon. This, he said, is a precursor to an impending staff promotion exercise across campuses slated for the coming financial year but which is subject to

availability of the required resource. This, he said, will be conducted in a transparent and accountable manner through suitability tests.

While informing them that the governing council was working on several policies aimed at improving the overall efficiency of our organization, the director challenged the campus to do all within their means and raise the student population, as that was a critical determinant of the existence of the campus.

Supporting the director's statements on the creation of a working environment that facilitates growth, Deputy Director, Academic Affairs, Mr. Eric Wamiti hailed the campus for always remaining keen on the timely delivery of services.

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He informed that his office was embarking on a curriculum review process, an exercise seeking to help further align the institute's training programs with a curriculum-based approach that helps match the graduates with the skills they gain.

"We need to restructure it to meet the sectoral demand. This is to help us teach competencies rather than just offer general training," he argued.

Mr. Wamiti challenged the staff to explore the possibilities of actualizing the idea of making KEWI campuses centers of excellence, as this direction would further entrench KEWI as an authority when it comes to pushing forward sectoral concerns and reforms. Giving an example of an irrigation and drainage program that suitably fits the climatic adaptations of the region and consecutively helps address the changing climates and contributes to the water circular economy, Mr. Wamiti noted that coming up with innovations in Kitui Campus that challenge the way of doing things, especially on rainwater



Deputy Director Academic Affairs Mr. Eric Wamiti making his remarks during the recently held Kitui Campus visit.

harvesting, water reuse, and water desalination technologies, would not only attract mega interests from investors and funders but would also help improve the local economy.

During his visit and also in the company of Deputy Director, Research Consultancy and Technical Services Mr. Nelson Kwamini, the CEO further informed that there were also plans to build a block of classes in the coming financial year, building and stocking a new workshop and laboratory with the help of an external partner, and a purchase of a reverse osmosis machine for

water purification within the campus.

He also promised the students that an academic excellence recognition scheme for the 5 best performers in each program during each graduation would be put in place, and the beneficiaries would get a guaranteed 1-year internship across the 9 water works development agencies across the country.

He has promised to ensure that students would not get a raw deal when it comes to getting trained and that he was keen to see that there were plenty of trainers to ensure that training went on well without any interruption.

Kenya Makes Significant Strides in Water and Sanitation Sector

BY: FAITH GENESIS TAUNET

The Ministry of Water, Sanitation and Irrigation is committed to ensuring that every household in the country has access to reliable, clean and safe water, as well as improved sanitation services. In an interview with Kenya Broadcasting Corporation (KBC) on the State Department for Water and Sanitation ongoing efforts towards achieving universal access to water and sanitation, Principal Secretary for Water and Sanitation Mr. Julius Korir CBS has reiterated that over the last two years there has been an increase in water coverage from 70% to 73% and safely managed Sanitation from 16% to 40.9% backed by the various projects that have recently been completed and commissioned.

While noting that Kenya has made remarkable progress in improving water and sanitation services in the last three years, and with notable milestones in both coverage and infrastructure, the PS has highlighted the country's advancements in the sector, emphasizing the importance of water and sanitation as basic rights for all citizens.

"Currently, Kenya has achieved 73% water coverage, up from previous years, signalling a major improvement in access to clean water across the country. Furthermore, sanitation services have expanded to 93%,



Principal Secretary, State Department for Water and Sanitation Mr. Julius Korir CBS during a previous meeting at KEWI. Mr. Korir has said that Kenya is making significant strides towards meeting its water and sanitation needs.

although challenges remain, particularly in the provision of proper sewerage systems," he has said. However, the PS has noted that the expanded sanitation has allowed Kenyans in around 17 counties access well managed sanitation services.

While Kenya's progress is commendable, the PS acknowledged that more work needs to be done to fully address the sewerage deficit, a critical aspect for ensuring proper sanitation in urban and rural areas alike.

One of the significant contributors to these achievements has been the government's deliberate allocation of resources, with funding rising to Ksh 90 billion. This increased investment in the water sector

is part of a long-term strategy to address the historical underinvestment that has plagued water infrastructure development in Kenya.

"Investment in water has not been adequate for a long time, and that's why we are lagging behind," said Mr. Korir, reflecting on the challenges faced in the past. However, to bridge the gap towards universal access, Mr. Korir has said that the State Department has costed the resource requirement for the sector through the National Water and Sanitation Investment Plan (NAWASIP) at Ksh. 995 billion which will be financed through exchequer, PPPs, Blended and Climate Financing.

The Kenyan government has also strengthened institutional frameworks to better manage

Kenya Makes Significant Strides in Water and Sanitation Sector



The Thwake Multi-purpose Water Development Program (TMWDP), a dam project in Kenya aimed at addressing water challenges in the semi-arid counties of Makueni, Kitui, and Machakos by providing water supply, irrigation, hydropower, and flood/drought mitigation. (Photo: Courtesy)

water and sanitation services. The Water Service Regulatory Board (WASREB), established within the ministry, is tasked with licensing and overseeing service providers in the water sector, ensuring that county water service providers adhere to standards and deliver quality services to the public. Nairobi Water and Sanitation Company, for instance, is one of the licensed providers contributing to the capital city's water and sanitation improvements.

Additionally, the government is focusing on extending water access to rural areas, particularly in schools, through an ambitious mapping project aimed at ensuring that schools in remote locations benefit from reliable water sources. This initiative is also set to serve surrounding

communities, further extending the impact of the country's water development programs. However, with the water being a devolved function, the government which is tasked with water harvesting, cross-county water connections and bulk treatment and transmission has been forced to intervene and help the counties do last mile connectivity. This supporting of the counties in the last mile connectivity is because of the devolved units constrained fiscal space and other emerging challenges

In terms of sanitation, Nairobi leads with the highest sanitation coverage in the country at 66%, offering residents access to improved sanitation facilities. However, the PS noted that the majority

of residents outside the capital still rely on septic tanks, which are periodically emptied and transported to designated disposal sites.

A key upcoming project expected to bolster water availability and sanitation services is the Thwake Dam, which is scheduled for completion in December this year. The dam, once finished, will significantly enhance the supply of water to many areas that currently face shortages.

With continued investment, strategic planning, and institutional strengthening, Kenya is making significant strides towards meeting its water and sanitation needs, ensuring that access to clean water and improved sanitation becomes a reality for more citizens across the country.

Enroll With KEWI And be the Next Irrigation and Drainage Engineering Technology Expert

BY: BRITNEY MOKEIRA

Irrigation and Drainage Engineering Technology is a specialized field that applies scientific and engineering principles to the planning, design, and management of water resources for agricultural and other purposes. This discipline involves both irrigation, which is the artificial application of water to land, and drainage, which is the removal of excess water to maintain optimal soil conditions. Effective irrigation and drainage systems ensure sustainable agricultural production, environmental conservation, and economic development.

At Kenya Water Institute, we offer a comprehensive course in Irrigation and Drainage Engineering Technology at our Chiakariga and Kitui campuses, covering levels 4 to 6. The entry requirements include a KCSE certificate for level 4, a D plain in KCSE or an Artisan Course in a related field for level 5, and a C- in KCSE or a craft certificate in a related field for level 6. The curriculum includes subjects such as Irrigation Systems Installation, Operation and Maintenance, Drainage Systems Installation, Pumps and Water Conveyance, Basic Soil and Crop Science Principles, Irrigation Systems Construction, Climate-Smart Irrigation Practices, and Water Scheduling.

Irrigation is essential in regions where natural rainfall is insufficient to support agricultural production. By supplying water through various methods such as



surface irrigation, sprinkler systems, and drip irrigation, farmers can enhance crop growth, improve yields, and ensure food security. In addition to agricultural benefits, irrigation supports activities such as landscaping, forestry, and recreational facilities, ensuring the efficient use of available water resources. Irrigation also plays a crucial role in land reclamation, enabling the cultivation of otherwise arid or semi-arid lands.

Drainage, on the other hand, is necessary to prevent waterlogging, which can negatively impact soil health and plant growth. Excess water in the soil can cause root diseases, hinder oxygen availability, and increase the risk of erosion. Efficient drainage systems help remove excess water, reducing soil salinity and preventing the degradation of agricultural land. Proper drainage also supports environmental conservation by minimizing erosion, maintaining balanced groundwater levels, and protecting infrastructure such as roads and buildings from water damage.

Water resource management is a critical component of

irrigation and drainage engineering, ensuring the sustainable use and conservation of water. Engineers in this field integrate knowledge from fluid mechanics, soil physics, hydrology, soil chemistry, plant sciences, and economics to develop efficient and environmentally friendly water management solutions. Advanced technologies, including automated irrigation systems, remote sensing, and climate-smart irrigation practices, are employed to optimize water use. Proper planning and management of water resources contribute to reducing wastage, improving efficiency, and mitigating the effects of climate change on agriculture.

The applications of irrigation and drainage engineering extend beyond agriculture. These systems are crucial for land reclamation projects, dust suppression in arid regions, sewage disposal, and even mining operations. Properly designed irrigation and drainage infrastructure contributes to ecosystem protection by preventing salinization, maintaining soil fertility, and supporting biodiversity. Additionally, well-managed water systems play a significant role in industrial processes, urban development, and disaster mitigation, ensuring that water resources are used effectively and responsibly.

Interested candidates can apply by visiting our website at www.kewi.go.ke or contact us at 0722207757 for more details.

MAY 2025 INTAKE ADVERT



MINISTRY OF WATER, SANITATION & IRRIGATION KENYA WATER INSTITUTE

KENYAWATER INSTITUTE INVITES APPLICATIONS FOR ADMISSION

Kenya Water Institute invites applications for May 2025 intake for the programs offered in Nairobi campus and satellite campuses of Chiakariga, Kitui and Kisumu. The programs will be offered through a Blended Learning Model (online and in person learning for practical based courses). Applicants **MUST** indicate the campus of choice in the application form.

Program Title	Minimum Requirements	Duration	Campus	Tuition Per Semester
1. Diploma in Water Engineering Technology (DWET)	a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board.	Three years	Nairobi Chiakariga Kitui Kisumu	Kshs. 31,300
2. Diploma in Water Resources Management Technology (DWRMT)	a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board.	Three years	Nairobi Kitui Kisumu	Kshs. 31,300
3. Diploma in Irrigation and Drainage Engineering Technology (DIDET)	a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board.	Three years	Chiakariga Kisumu	Kshs. 31,300
4. Diploma in Wastewater and Sanitation Engineering Technology (DWSET) 5. Diploma in Water Laboratory Technology (DWLT)	a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board.	Three years	Nairobi	Kshs. 31,300
6. Diploma in Information Communication Technology (DICT)- KNEC	a) KCSE Mean Grade of C- and above or its equivalent as acceptable Qualification by KNQA OR b) KNEC Certificate for CICT	Three years	Nairobi	Kshs. 31,300
7. Certificate in Water Engineering Technology (CWET)	a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board	Two years	Nairobi Chiakariga Kitui Kisumu	Kshs. 30,000
8. Certificate in Water Resources Management Technology (CWRMT)	a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board	Two years	Nairobi Kitui Kisumu	Kshs. 30,000
9. Certificate in Irrigation and Drainage Engineering Technology (CIDET)	a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board	Two years	Chiakariga Kisumu	Kshs. 30,000

MAY 2025 INTAKE ADVERT

10. Certificate in Wastewater and Sanitation Engineering Technology (CWSET) 11. Certificate in Water Laboratory Technology (CWLTL)	a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board	Two years	Nairobi	Kshs.30,000
12. Certificate in Information Communication Technology (CICT)-KNEC	a) KCSE Mean Grade D (plain) and above OR b) Its equivalent as acceptable Qualification by KNQA	Two years	Nairobi	Kshs. 30,000
13. Plumbing and Pipe Fitting (PPF) 14. Water Operators Course (WOC) in: • Water Supply • Meter Reading • Wastewater Mgt. tech.	a) KCSE Certificate OR b) Basic Operator Course qualification OR c) Any other qualification approved by the Academic Board	Two semesters	Nairobi Chiakariga Kitui Kisumu	Kshs.30,000
15. Irrigation and Drainage systems	a) KCSE Certificate OR b) Basic Operator Course qualification OR c) Any other qualification approved by the Academic Board	Two semesters	Chiakariga Kitui	Kshs.30,000
16. Drilling Operations and Management (DOM)	a) KCSE Mean Grade D (plain) OR b) Certificate in Water Related course Water Technician, Water Resource Management, Water Engineering, Mechanical Engineering) OR c) Industry Practice as a Drilling Technician of at least 2 years	8 weeks	Nairobi	Kshs 40,800

MODE OF APPLICATION

Application forms can be obtained from Kenya Water Institute, Nairobi South 'C', Chiakariga, Kitui and Kisumu campuses; or downloaded from KEWI website. A non – refundable application fee of Kshs 1,000.00 should be paid using this link. <https://www.kewi.go.ke/application-payment-process>

Applications should be addressed to the **DIRECTOR, KENYA WATER INSTITUTE, P. O. BOX 60013 -00200 NAIROBI**. Applications to reach not later than **30th April 2025**. Attach photocopies of Academic Certificates, National ID card and original application fee receipt.

Foreign students to add 20% on all charges. For enquiries: Nairobi - 0722 207 757, 0735339206, Chiakariga – 0729009104, Kitui 0707 566 395

Persons with disability and female students are encouraged to apply.

Quote of the Week

“Success is the sum of small efforts repeated day in and day out.”

Robert Collier

EDITORIAL TEAM

Editor

Dorine Eva Irungu

Writers:

Pius Kimani

Faith Genesis Taunet

Britney Mokeira

Photographer

Pius Kimani

Designer

Pius Kimani

Round up of The Week's Events



Moments during the Directors' visit to Kitui Campus.

Long - Term Programmes

Diploma in Water Engineering Technology (DWET) Diploma in Wastewater
 Diploma in Water, Sanitation Engineering Technology (DWSET)
 Diploma in Water Resources Management Technology (DWRMT)
 Diploma in Irrigation and Drainage Engineering Technology (DIDET)
 Diploma in Information Communication Technology (DICT)-KNEC
 Diploma in Water Laboratory Technology (DWLT)
 Certificate in Wastewater and Sanitation Engineering Technology (CWSET)
 Certificate in Water Resources Management Technology (CWRMT)
 Certificate in Information Communication Technology (CICT)- KNEC
 Certificate in Water Laboratory Technology (CWLTL)
 Certificate in Water Engineering Technology (CWET)
 Drilling Operations and Management (DOM)
 Plumbing and Pipe Fitting (PPF)
 Water Operators Course (WOC) in:

- Water Supply
- Meter Reading
- Sewerage Operations

Short - Term Programmes

Use of Earth Observation Tools and GIS for Water Resources Management
 Entrepreneurship and Financial Management for Water Managers
 Operation and Maintenance of Water Supply Networks
 Metering and Installation of Water Supply Networks
 Leak Detection & Repair techniques
 Drilling Operations and Management (DOM)
 Operation & Maintenance of Pumping Stations
 Pump Selection, Installation and Maintenance
 Plumbing, Pipe Fitting and Solar Water Heating
 Instrumentation for Water and Wastewater Systems
 Water Governance, Management and Technology
 Application of GIS for Water Utilities Mapping
 Drilling Operations and Management
 Water Quality Sampling and Testing
 Microbiological Water Quality Assessment
 Integrated Water Resources Management
 Non-Revenue water
 Water Management
 Customer Care

Vision

A Technical Centre of Excellence in Training, Research, Innovation and Consultancy in the water, Sanitation and Irrigation Sector.

Mission

To offer Competency-Based Training, Research, Innovation, Consultancy and Outreach Services in the Water, Sanitation and Irrigation Sector for sustainable development.

Core Values

Good Corporate Governance
Professionalism
Customer Focus
Innovativeness
Inclusivity
Patriotism
Integrity

GET IN TOUCH WITH US

The Director,
Kenya Water Institute,
P.O. Box 60013-00200 Nairobi
TEL: +254 722-207757
Email: info@kewi.or.ke
Website: www.kewi.go.ke

For enquiries about our TVET programs
Contact the Registrar, Admissions Office.
Phone: 0735339206
Email: admissions@kewi.or.ke

KEWI Nairobi Campus
P.O. BOX 60013 – 00200
Tel: 0722207757
Email: info@kewi.or.ke

KEWI Chiakariga Campus
P.O. BOX 12 – 60215
Tel: 0729009104
Email: chiakariga@kewi.or.ke

KEWI Kitui Campus
P.O. BOX 1514 – 90200
Tel: 0707566395
Email: kitui@kewi.or.ke

KEWI Kisumu Campus
P.O. BOX 7825 – 40100
Tel: 0746212708
Email: kisumu@kewi.or.ke

OTHER SERVICES OFFERED

Water Quality Laboratory Services
Drilling and Test Pumping Services
Ground water Assessment Services
Conferencing Services
Troubleshooting of pumps boreholes and distribution systems
Repair of pumps boreholes and distribution systems

Your feedback is crucial for our improvement



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