

KNEB attains the latest ISO Quality Management System



MESSAGE BY THE CABINET SECRETARY, MINISTRY OF ENERGY

HON. CHARLES KETER, EGH

The Ministry of Energy congratulates the Kenya Nuclear Electricity Board for attainment of the requirements of certification under the ISO 9001:2015 standards on Quality Management System.

Since its inception in 2012, KNEB has made significant steps in executing its mandate. This achievement is laudable and highly commended. Indeed, it holds the organisation in good stead along the path to nuclear electricity generation in Kenya.

The establishment of a quality management system and its implementation inspires confidence of all stakeholders, and is a big boost toward KNEB effectively playing its role in the realisation of the big four agenda.



MESSAGE BY THE PRINCIPAL SECRETARY, MINISTRY OF ENERGY

DR. (ENG) JOSEPH NJOROGE, CBS

Having been part of KNEB's journey since its formation, I am delighted to learn of this tremendous feat. This is a watershed moment in the organisation's corporate history.

It is especially gratifying to note that KNEB is now one of about 274 organisations in Kenya that have attained ISO 9001:2015 certification before September 15, 2018 deadline for transition from the ISO 9001:2008 standard.

The establishment of the quality management system in the organisation is proof of its commitment to quality systems, service delivery and risk based thinking.



MESSAGE BY THE CEO OF THE KENYA NUCLEAR ELECTRICITY BOARD

ENG. COLLINS JUMA

KNEB is delighted to have attained the ISO 9001:2015 certification. It is proof of our commitment to institutionalising quality management in our business processes. It is also in line with our strategic plan to commission the first nuclear power plant in Kenya in line with vision 2030.

The certification provides quality assurance and affirms the organisation's effective implementation of documentation and records management as well as the management's commitment to the institution's customers. It also points to KNEB managing its resources effectively and exhibiting efficient process control measures. Indeed, the sky is the limit

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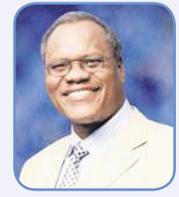
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Affairs

Mandate

To fast track the development of nuclear electricity generation in Kenya

Vision

Safe, efficient and reliable nuclear technology for electricity generation

Mission

To promote safe and secure application of nuclear technology for sustainable electricity generation and distribution in Kenya

Core Values

Safety and Security
Clean Environment
Integrity
Professionalism
Transparency and

Accountability

Innovation
Efficiency

Date: Thursday 30th August, 2018 Venue: InterContinental Hotel, Nairobi, Kenya



Energy Cabinet Secretary Hon. Charles Keter Chairing a meeting in the KNEB boardroom during a courtesy call at the KAWI Complex, south C.

Quality excellence under ISO 9001:2015

ISO 9001:2015 recognises organisations that can link business objectives with operating effectiveness.

It is the world's most popular management system standard used by over one million organisations around the world, helping them to run more efficiently and systematically.

Furthermore, it provides a framework for consistent performance, reliable service and long-term continuous improvement.

Updated in 2015 to remain relevant and reflect the needs of modern day businesses, the standard is a powerful tool in ensuring that KNEB continues to better its services, products and operations to meet customer needs.

In attaining the ISO 9001:2015, KNEB is one of 274 institutions that have been certified on the ISO 9001:2015 in Kenya so far, ahead of the transition deadline of September 15, 2018.

It will ensure that KNEB's Quality Management System is completely integrated and aligned with business operations using a risk-based process mapping, and promote a proactive approach to identifying risks and making systematic continual improvement to mitigate them.

We are delighted to achieve this important milestone in KNEB's corporate history as we fast track the introduction of nuclear electricity generation in Kenya, forging ahead towards commissioning the first 1000MW nuclear power plant in line with vision 2030.

Importance of ISO 9001:2015

With a certified quality management system, KNEB conforms to the requirements of ISO 9001:2015. This means that KNEB management systems are aligned with the organisation mandate, needs and expectations of interested parties and the strategic priorities of the organisation. It translates into an increase in the confidence that KNEB consistently provides products and services that meet the statutory and regulatory requirements and aims to enhance customer satisfaction.

Ultimately, this represents KNEB's commitment to fulfil the needs and expectations of customers and continuous performance improvement.

Salient features of ISO 9001:2015

Process Approach: There is emphasis on the process map/flow, measuring and properly assessing the input and output of processes.

Risk Based Thinking: Risk analysis and opportunities are identified and evaluated on each process.

Context of the organisation: An organisation must consider both the internal and external issues that can impact its

strategic objectives and planning of the QMS. The organisation must understand the needs and expectations of its stakeholders and interested parties so as to set up appropriate scope for the QMS.

Leadership: Leadership is now at all levels from process owners to top management.

Engagement of people: Leadership at all levels establishes unity of purpose and

direction, and creates conditions in which people are engaged in achieving the quality objectives of the organisation.

Evidenced based decision making: Decisions are based on analysis and evaluation of data.

Relationship management: For sustained success, organisations need to manage their relationships with interested parties.

KNEB's Journey to ISO Certification

KNEB ISO journey commenced in November 2013. It started with the training of process owners (managers), departmental champions and internal ISO auditors. This was followed by development of procedure manual, quality statement and quality objectives under the ISO 9001:2008 standards.

When the ISO 9001:2008 standard was

revised to ISO 9001:2015, KNEB aligned its ISO documents in compliance to the new standard.

The quality management system framework was officially launched in February 2015. This comprised of the quality policy statement, ISO procedures manual and corporate objectives.

KNEB partnered with the Jomo Kenyatta

University of Agriculture and Technology (JKUAT) as consultants, and Kenya Bureau of Standards as the certification body.

The culmination of these efforts was satisfying the requirements for certification in May 2018.

The certification is valid for a period of three years.

Key dates in the KNEB ISO Process

- 1. March - July 2015:** Development of QMS processes review and documentation under ISO 9001:2008
- 2. November 2015:** Transition from ISO 9001:2008 to ISO 9001:2015
- 3. April 2016:** Internal Quality Assurance (IQA) training and certification
- 4. July 2016:** Expert review by JKUAT: QMS processes review, documentation and internal Audit
- 5. June 2017:** Stage 1 Audit by Kenya Bureau of Standards
- 6. July 2017:** Corrective Action Closures and Management Review
- 7. November 2017:** Stage 2 Audits by Kenya Bureau of Standards
- 8. December 2017:** Corrective Action Plan
- 9. May 2018:** Certification.

KENYA'S NUCLEAR DATALINE 2010-2018

- 2010** – The Nuclear Electricity Project Committee is formed
- 2011** – Prefeasibility Study commences.
- 2012** – Transformation into the Kenya Nuclear Electricity Board.
- 2013** – Prefeasibility Study is completed.
- 2014** – First National Nuclear Stakeholders Conference held in Nairobi.
- 2015** – The International Atomic Energy Agency conducts an assessment of the progress of Kenya's Nuclear Power Programme, a process known as the Integrated Nuclear Infrastructure Review. KNEB and other government agencies conduct a grid study to gauge the preparedness of the transmission network for nuclear power. Kenya hosts the African Conference on Nuclear Energy held in Diani, Kwale County.
- 2016** – Government receives scorecard report of Kenya's Nuclear Power Programme from the International Atomic Energy Agency.

- 2017** – KNEB commences the Strategic Environmental Assessment for the Nuclear Power Programme. KNEB hosts the Nuclear Energy Week: Conference and Exhibition in Nairobi. KNEB commences siting studies to identify potential sites for nuclear power plants in Kenya

- 2018** – KNEB attains ISO 9001:2015 certification. Cabinet approves the draft Nuclear Regulatory Bill.

KEY FACTS

- 13% - Percentage of the World's total electricity generation from nuclear energy.
- 1800MW: The electricity generated by South Africa's Koeberg Nuclear Power Plant's two reactors.
- 2027 – The year Kenya aims to commission its 1st 1000MW Nuclear Power Plant.
- 30 – The number of countries that generate nuclear electricity worldwide.

