



**NYATI
CEMENT**

BUILDS
FASTER
LASTS
LONGER

LAKE CEMENT LTD.

ABOUT THE INDUSTRY

The consumption of cement is one of the major barometers of a nation's development. If the growth of cement consumption in Tanzania in the last few years is anything to go by, one can safely assume that the nation is poised for a sustained spurt in demand. But like any sunrise sector of a growing economy, cement manufacturing in Tanzania is also undergoing growth pangs:

① DEMAND SUPPLY DEFICIT

Tanzania's economy is expected to grow at an estimated 7% over the next five years, supported by the manufacturing, mining and tourism sectors. This growth will naturally fuel a spike in infrastructure projects and large-scale residential developments. Unfortunately, the supply is not catching up to the demand, leading to a demand-supply deficit.



② IMPORTED CEMENT

Owing to the current deficit, imported cement from countries like Pakistan, Vietnam, Dubai and India, hold almost 15-20% of the market share. The trade deficit arising from these imports is unwarranted as the country has plenty of limestone, which is a key raw material.

T H E L A K E C E M E



INTEGRATED
MANUFACTURING



OWN POWER FOR
UNINTERRUPTED
PRODUCTION



OWN
CLINKER

ABOUT US



Lake Cement is the newest entrant in Tanzania's cement sector. We leverage best-in-class technologies and extensive manufacturing experience to produce high quality cement - consistently and continuously. Our commitment to sustainable development is unflinching and all our decisions and policies take into consideration, economic, environmental and social impacts. We cater to the needs of the Tanzanian market through our superior cement brand - **Nyati**.

MISSION

To become the leading cement manufacturer in Tanzania, by delivering consistent high quality cement to our customers, with service beyond our customers' expectations.

VISION

To become a key driver in Tanzania's growth by creating value for our customers, employees, business partners and shareholders - through fundamentally sound governance and policies.



NT ADVANTAGE



CONSISTENT
QUALITY



BETTER ENERGY-
EFFICIENCY



ENHANCED
SUSTAINABILITY



THE PLANT

Our integrated cement manufacturing unit, spread over an area of 100 hectares, is the most modern, fully automated and energy-efficient plant of its kind in East Africa. The Plant, with a capacity of 500,000 tons per annum, is located at Kimbiji village in Temeke District; just 45 km south of Dar es Salaam's central business district.



Tanzania's first cement plant to have 10 MW captive power plant; ensuring not only uninterrupted production with consistent quality, but also enhanced equipment efficiency



Managed, maintained and operated by a team of qualified cement industry professionals, with over 20 years of experience



Equipped with a fully automated electronic packing machine, to maintain consistently accurate weight of the cement bags



Integrated manufacturing comprising centralised mining, clinkerisation, production and packing



Tanzania's first vertical roller mill with a five-stage preheater



A closed clinker storage yard to store 30,000 MT clinker

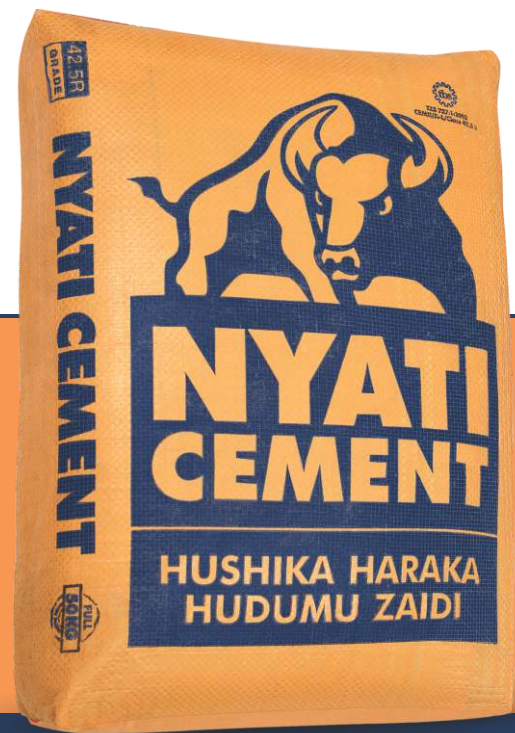
THE PRODUCTS

52.5N GRADE ORDINARY PORTLAND CEMENT

A first-of-its-kind product in Tanzania, this super-strong cement is ideal for infrastructure projects like bridges, roads, railways and airports as well as for complex projects like high-rise buildings.

42.5R GRADE PORTLAND CEMENT

Our 42.5R Grade Portland Cement is ideal for a wide range of applications, ranging from dry-lean mixes, general-purpose ready-mixes to high strength precast and prestressed concrete.



FEATURES

Higher initial and final compressive strength	Consistency in quality	Conforming to TBS norms (TZS 227.2002CEMII/A-L/ Class 42.5R and CEMI/52.5N)
Optimal fineness	High soundness	Low Celite (C3A) content makes it suitable for construction in coastal areas

APPLICATIONS



RCC work, where grade of concrete is M-25 and above



Precast concrete items such as paving blocks, tiles, building blocks etc.



Non-structural works such as plastering, flooring etc.



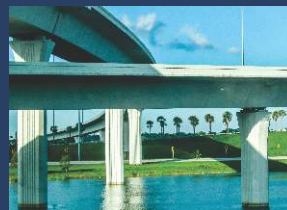
General civil engineering works



Prestressed concrete components



Asbestos products such as sheets and pipes

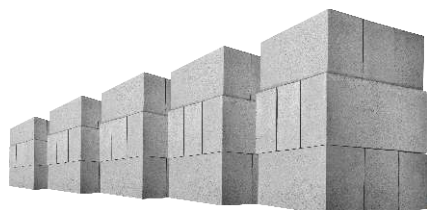


Hydraulic structures



Ready-mix Concrete (RMC)

QUALITY



We understand that a building is only as strong as the cement it is constructed with. The quality of our products, is of paramount importance to us. Our stringent quality standards are governed by our Quality Policy.

①

To provide products conforming to Tanzania Bureau of Standards (TBS) and exceeding customer expectations

②

To continually improve performance and effectiveness of the Quality Management System

In order to embed quality across our production process, we have introduced following technologies at our Plant.

A state-of-the-art dry process technology for producing cement. It is monitored by a round-the-clock automated video surveillance at the burning zone



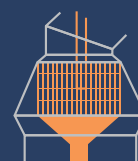
A fully equipped world-class laboratory with XRF spectrometer for hourly sampling and testing to ensure and maintain the quality of the cement



Fully-computerised central control room for monitoring the operation of the entire plant with intelligent Motor Control Centres (MCCs) and sophisticated instrumentation controls



High-efficiency classifiers have been installed at the raw material (roller) and cement mills. They give more accurate separation and thereby reduce over-grinding and the mill's energy consumption



ENVIRONMENTAL SUSTAINABILITY

We are determined towards making the environment cleaner, greener and healthier. For this we have pioneered technologies and processes that reduce emissions, waste and noise. At the core of all our endeavours, is our Sustainability and Environmental Policy.

PIONEERING TECHNOLOGIES IN TANZANIA



A vertical roller mill is being used for grinding the raw materials. This is an energy-efficient alternative to conventional ball roller mills.



Surface miners being used for limestone mining. In this method, there is no blasting and hence, minimal noise and dust pollution.



Boiler based on Fluidised Bed Combustion (FBC) technology being used at the power plant. FBC results in low emission of nitric and sulphur oxides.



To minimise our impact on the environment by efficient use of natural resources, energy, plant and equipment.

To promote a clean, green and healthy environment by reducing emissions, noise, waste and greenhouse gases.



ENERGY-EFFICIENT TECHNOLOGIES



The Pyro section has a grate cooler with static first grate, for optimum utilisation of heat energy.



A five-stage preheater with precalciner reduces the specific heat energy consumption and CO₂ emission.

OTHER INNOVATIONS



Lower Emission: All transfer points are provided with bag filters and utilise electrostatic precipitators only where necessary.



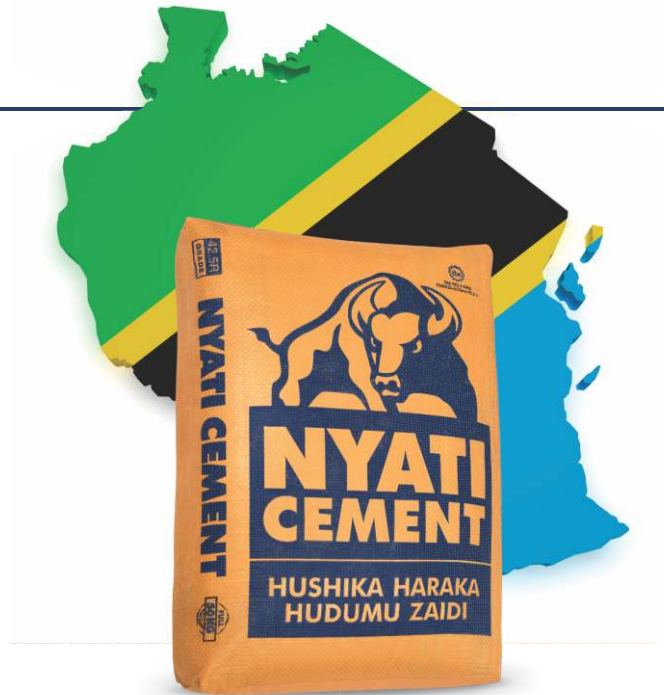
Local Sourcing: The coal for the power plant is being sourced from Songea. This reduces not only the import cost for Tanzania, but also keeps our carbon footprint in check.

DISTRIBUTION NETWORK

We understand the importance of our cement being seen in order to be sold.

We have set up a massive sales and distribution network across Tanzania in order to ensure that Nyati Cement is available; whenever you need it, wherever you need it and in whatever quantities you need it.

We are continually enhancing the geographical footprint of our products and are always eager to partner with dynamic, trusted and like-minded distributors.



SERVICE

We complement the quality of our products by providing timely and pertinent technical support to customers on issues related to architectural, structural and general civil engineering.

In addition to technical seminars for masons and block makers, we also educate and train our field staff as well as the sales force of our business partners, regarding our products and their applications.





LAKE CEMENT LTD.

CORPORATE OFFICE

461/158, Nkrumah Road,
P.O. Box No. 40707,
Dar es Salaam, Tanzania
Tel.: +255 222139610
Fax: +255 222134198

PLANT

Village - Kimbiji, Plot No. 265,
Municipal Council - Temeke,
Dar es Salaam, Tanzania

SALES CONTACTS

**Institutional Sales / Northern and
Southern Highland / Central /
Lake / Kilimanjaro Regions**
Tel.: +255 658450749

**Dar es Salaam and
South Coastal Regions**
Tel.: +255 713556004