

NEW K.C.C LTD.

NYAHURURU FACTORY



Nyahururu factory is one among the Eight major milk processing factories of New Kcc company Its located in Laikipia county, commissioned in 1978 as a long life milk processing factory.

MILK CATCHMENT AREA,

The factory catchment area includes Laikipia county with **10%** Nyandarua county **75%** Nyeri, Baringo and Nakuru counties with a total of **15%**,

Most of the farmer's milk is delivered through cooperative societies and other organized farmers groups,

Current milk intakes oscillate between 70,000lts /day in high peak and 30,000lts /day in the lowest peak. The factory has a storage capacity of 300,000lts of milk with daily processing capacity of 100,000lts.



UTILITIES.

Water is supplied from NYAHUWASCO water company though plan is underway to sink company borehole to supplement. Consumption **300m³/day**

Electricity (power) is supplied by KPLC, but we wholly depend on the company stand by Generator 600KVA to run production due to instability of KPLC power supply.

Monthly bill **1.2m**

For Steam generation the factory has one steam Boiler 4000 kg that uses HFO (furnace) for steam generation. Monthly **consumption 70,000lts.**



PRODUCTS.

The factory majors on long life milk production with minimum shelf life of six months to maximum one year depending on the product.

WORKFORCE.

The company has a total work of force of 300 employees, on casual, temporary and permanent basis



HOW CLIMATIC CHANGE HAS AFFECTED OUR PRODUCTION.

Due to climatic changes as result of environmental pollution , we do experience fluctuating quantities of milk production across the year. This is a result of changes weather (rain) patterns affecting availability of animal feed, at time we have it in excess resulting to milk gluts in other instances no rain at all for a prolonged period resulting to drought and death of animals.



PROJECT INTERVENTION

Currently our boiler uses HFO. installed in 1970's but operating at very low efficiency levels which could be a source of environmental pollution . The project proposes change in technology through installation of mixed biomass fired boiler that can run with firewood or briquette from neighborhood, which are carbon neutral.



FUTURE PLANS.

To engage in projects that will result in more climate resilient, while safe guarding organizational economic and environmental sustainability. This will increase resources productivity in our organization and improve on efficiency and effectiveness in our operations.



Thank you