

Profile

United Breweries Limited, Palakkad is one of the fourteen breweries owned by the UB group in India. The brewery with a technical collaboration of M/s Henninger International, Germany was originally established by the Premier Cotton Mills group, Coimbatore in the year 1973. The unit then known as Premier Breweries Limited came to being United Breweries Limited after it was amalgamated with the UB group in 1995.

United Breweries Limited, Palakkad started off with a modest capacity of 100000 cases a month has been expanded twice since last two years from 250000 cases to 450000 cases a month. The brewery with an installed capacity of 450,000 cases per month is the largest in Kerala and caters to about 70% of the Kerala requirements.

With its state of art plant and machinery, seven popular brands of beer are produced in the brewery. The company being one of the largest employers in Kanjikode Industrial belt, makes persistent efforts towards Environmental protection, Pollution Control, Water Conservation through rain water harvesting and implementation of Corporate Social Responsibility projects in an around the brewery in Palakkad district.

Environment and Safety:

The United Breweries Limited, Palakkad unit has been maintaining excellent standards in Environment Protection and Effluent control as well as Plant safety. An ETP of 400 Cum per day is operational and the BOD, COD and TDS loads in the treated effluent water has been fairly consistent and within the limits prescribed by the KPCB. The unit has all approvals in place in terms of pollution control and compliance to pollution norms.

The unit was awarded the second prize among medium scale Industries for Pollution Control and Environment protection, instituted by the Kerala State Pollution Control Board for year 2006 and won a cash award of Rs 25000/- and a merit certificate. The unit improved its performance consistently and was awarded the first prize for the same subject for the year 2007 that carried a cash of Rs 50000/- and a merit certificate. In a way the unit is recognized as one of the most active contributors to pollution control and Environmental protection activities in Kerala.

The unit's water usage of about 5.5 Lits/KL of beer is close to international standards and is the best in the country. Further with a view to enhance the utility potential of treated water the unit has embarked upon a sponsored collaborative research with Tamilnadu Agricultural University, Coimbatore on 'Utilization of treated effluent water from breweries for sustainable soil health and development of select crops'. This project of three years duration at a total outlay of Rs 700000/- (Seven Lacs Only) has commenced during July 2008 and is in progress.

Further the unit has made rapid strides in yeast business and has successfully recovered yeast through fluidized bed drying process and started marketing the same. Yeast one of

the highest contributors of BOD/COD in effluent streams has been effectively standardized as a toxin binder in cattle and poultry feed formulations by M/s Suguna Poultry Products Limited, Coimbatore and MILMA, Thiruvananthapuram. The product is being sold on commercial scale since August 2008. Thus the effort as above, that started off as a measure to control BOD/COD load in the effluent, has got converted in to a credible business proposition in big way.

The unit also has been able to recover and sell weak wort and spent grain. All the products have been independently tested for quality and toxicity by a) Veterinary College and Research Institute, Kerala Agricultural University, Thrissur b) SGS Labs, Kochi c) Suguna Poultry Limited, Coimbatore d) MILMA, Thiruvananthapuram and e) National Institute of Animal Nutrition and Physiology, Bangalore

The unit has established safe work practices to ensure process and operational safety. Safety training is imparted quite regularly and work procedures are continually upgraded. Slowly but steadily operations are mechanized and automated to reduce risks.

Energy and Environment Protection Policy

Energy and Earth were not gifted to us by our parents, but loaned to us by our future generation. It is our earnest endeavor to economize on fuel usage, consistently improve our energy usage efficiency and protect the environment and save energy for the continual betterment of society at large. We at UB are committed to upgrade our Processes and Systems consistently and linearly with the latest technological advancements in the field of Energy Management so as to improve our productivity and reduce energy consumption per unit as well as protect and preserve environment.

Energy Management Cell

The UB, Energy Management cell is functioning under the aegis of the '**Corporate Projects and Engineering**' Department based at Bangalore. The thrust areas and Energy cost and usage reduction programs being implemented by the Energy Management cell are as below

1. Installation of alternate fuel boiler at all the 24 breweries of the Company and dispense with the oil fired boilers- Target date- 2010. As of mid 2008 the said project has been successfully completed at the Breweries located at Mangalore, Palakkad, Bangalore, Chennai, Srikakulam, Ludhiana, Kalyani (West Bengal), Bombay and Rajasthan
2. Installation of waste heat recovery (Condensate recovery systems) across UB units. Currently the project has been implemented at Palakkad, Chennai, Bangalore, Mangalore, Srikakulam, Orissa, Mumbai and Ludhiana.

3. Installation of Vapor Absorption Machines (VAM) across UB units. Currently the systems have been implemented and operated successfully at Srikakulam, Mumbai, Orissa and Chennai units
4. Installation of cascading chillers across UB units. Currently successfully implemented at Mangalore Brewery and being implemented in three other units
5. Usage of Methane gas generated from the anaerobic digester of ETP for boiler water preheating and domestic usage. Systems successfully implemented and operated at Mangalore, Kalyani and Orissa breweries and being implemented at Palakkad brewery

Environment:

1. United Breweries Limited, Palakkad has been in the forefront in Environmental protection, Pollution control and Water conservation since last few years
2. The measures taken by the unit have been duly acknowledged and rewarded by the Kerala Pollution Control Board through a Second Prize for Pollution Control among Medium scale Industries of Kerala in 2006 and First Prize for the same in 2007.

Energy Consumption

	05-06	06-07	07-08
Electricity-Total Lacs Kwh	24.74	29.74	34.77
Furnace Oil- Kilo Liters	967.98	1215.63	930.75

UNITED BREWERIES LIMITED
Kanjikode (W), Palakkad
Kerala

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S.Ramakrishnan
General Manager

Palakkad
01/04/2007