

CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE
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PAAN FLAVOURED WATER

Spice/flavoured water is a beverage of water with added natural/artificial flavours, herbs and sweeteners. Spice/flavoured water infused with spice extracts or natural flavouring serves as a refreshing healthy alternative to sodas, colas, juices and other sweetened beverages. Moreover, the presence of flavours, juices, extracts and even bioactive compounds from the herbs or spices could also provide some antioxidant capacity which is an important feature for the prevention of diseases. Herbal water makes zero calorie flavored water by infusing organic herbal extracts in pure water with no sugars, no sweeteners, no preservatives, and no additives of any kind. Plants particularly, spices are considered as one of the most important source of medicine and drugs of today and they have been used for different ailments of human beings worldwide from the beginning of the civilization. Flavoured/spice water focuses on health benefits such as improved immunity and energy boosting, thereby gaining popularity among the consumers especially during sporting events. Hence, various trials were carried out to standardize the emulsified Herbal/Spice oil and Menthol stock solution. The storage study carried out for 120 days revealed that the flavoured water (paan/betel) was free of Salmonella, coliform and yeasts and moulds. The various parameters evaluated for flavored water showed that it's safe for consumption. This would propel consumers to hydrate themselves in a healthier way over commercially available sodas and other beverages.



Shelf life of the product is about 8 -12 months.

Raw material: Betel oil, Propylene glycol and potable water

EQUIPMENTS REQUIRED: Steam Distillation Unit, Paddle blender, Digital balances, Utensils for blending 5000 or 10,000L water

PROJECT REQUIREMENT (an estimate):

Land (Approx. in Sq. Metres)	300
Building (Approx. in Sq. Metres)	75
Plant & Machinery (Approx. Rs. in '000)	2466
Total Project cost (Approx. Rs. in '000)	3600

CAPACITY :

Capacity: 1000 Litre/day