

**CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE
MYSORE – 570 020**

COLA FLAVOUR CONCENTRATE

(Process Code: CBP– 330)

INTRODUCTION

The cola flavor blend consists of natural essential oils from spices and citrus fruits and certain organic flavoring substances. All the ingredients that are used in the manufacture of the cola concentrate are permitted either with limits specified or as per good manufacturing practice.

- i) The product can also dispensed as such in smaller unit packs
- ii) Product can also dispensed as flavored syrup.

Cola flavour concentrate is the intermediate used in the manufacture of carbonated cola beverages. The popularity of the beverage is mainly due to its non-descriptive and incomparable flavour, which allures the young and the old.

RAW MATERIAL

The important raw materials required for the preparation cola flavor concentrate are: Caramel, Caffeine, Ortho-phosphoric acid, Propylene Glycol

PLANTS AND MACHINERY

Principal equipments; Steam jacketed kettle, SS Kettle with mechanical stirrer, SS Storage tank, Pilfer proof sealing machine, water softening plant, Soft water storage tank, Liquid filling unit.

Auxiliary equipments: Trolleys, Heat sealer Balance, SS buckets, handling vessels for raw material handling, pH meter, Refractometer etc.

PROJECT COST – FIXED COST – WORKING CAPITAL (in Rs. '000) ***(Estimate for a model project)***

a)	Land & land development (1000 m ²)	160.00
b)	Building & civil construction (320 m ²)	1200.00
c)	Plant and machinery	850.00
d)	Miscellaneous fixed assets	140.00
e)	Pre-operative expenses	250.00
	Total fixed capital	2600.00
	Working capital margin	526.00
	Total Project cost	3126.00

Means of finance

Promoters contribution	1176.00
Term loan	1950.00

PRODUCTION CAPACITY- (estimate)

The installed capacity 50units (100,000 liter) finished product per shift/day and working for 240 days in a year

Optimum capacity utilization: 70%

TECHNOLOGY/MANUFACTURING PROCESS – Availability

CFTRI has standardized the technology and general methods of processing of Cola flavor concentrate. Apart from this procedure for quality control, packaging and packaging material specifications, equipment details are also provided by the institute.

The manufacturers have to take a license under FPO (Government of India)