

FAT POWDER

INTRODUCTION

Fat powders is convenient to use in various food formulations, especially in instant mixes, including traditional sweets, bakery formulations, as it is easy to mix and handle. ω - 3 and PUFA receiving a boost in consumer awareness as they reduce risks of coronary heart diseases, important for normal brain and nervous system growth. ω - 3 and PUFA rich fat/ oil powders could be used as nutrition supplements for health benefits and in various food formulations such as fortified baked goods, fortified many infant formulas, fortified milk, etc.

RAW MATERIAL

Casein, Refined sugar, Tri Calcium Phosphate (TCP), Emulsifiers, Vanaspati/ Bakery fat/ vegetable oil

MARKET

Fat powder is convenient to use in various food formulations, especially in instant mixes, including traditional sweets, bakery formulations, as it is easy to mix and handle, ω - 3 and PUFA rich fat/ oil powders could be used as nutrition supplements for health benefits, whereas that with speciality fat/ vanaspati could be used in traditional sweet and bakery formulations.

PLANT & MACHINERY

Homogenizer, Spray dryer, Steam jacketed kettles, working tables.

PROJECT COST – FIXED COST – WORKING CAPITAL (in Rs. '000)

(Estimate for a model project)

a) Land & Land development (500 Sq. m)	125.00
b) Building and civil works (200 Sq. m)	800.00
c) Plant and machinery	4300.00
d) Other fixed assets	50.00
e) Pre-operative expenses	450.00
Total fixed capital	5725.00
Working capital margin	540.00
Total Project cost	6265.00

Means of finance

- Promoters contribution	1566.25
- Term loan	4698.75

PRODUCTION CAPACITY- (estimate)

Suggested economic capacity:	500 Kg Fat powder/shift/ day
Working	: 300 working days/ annum
Capacity	: 150 MT /annum

TECHNOLOGY/MANUFACTURING PROCESS – Availability

The technology for the manufacture of Fat powder has been developed at CFTRI, Mysore, using appropriate equipment for optimal product recovery of right quality. The CFTRI has the necessary expertise to provide technical assistance and guidance for setting up the project. The CFTRI can offer further technical assistance for project implementation under technical consultancy arrangements.