

# ALUMINIUM ELECTROLYTIC CAPACITORS

## 1. INTRODUCTION

Aluminium electrolytic capacitors are basic components of almost all electronic circuitry. They are required in large numbers in the manufacture of consumer electronic items such as televisions, music systems, computers etc. They are also used in power electronics, industrial electronics, instrumentation, electronic defence equipments and computer applications.

## 2. RAW MATERIALS

The unit may have to import sub-critical raw materials. However, many of the items are indigenously available .

## 3. MANUFACTURING PROCESS

The various components are tested for their tolerance values before use and are rejected if not as per standard requirement. These are mounted on printed circuit board and tested on the test jig.

## 4. MANPOWER REQUIREMENT : 10

## 5. PROJECT COST

### A. Fixed Capital

	Rs.
Land & Building	Rental
Plant & Machinery	6,00,000

### B. Working Capital ( per month)

Raw Material & Packing	1,65,000
Salary & wages	20,000
Other expenses	18,000
Working capital (per month)	2,03,000

Working capital (3 months) 6,09,000

**Total (A+B)** 12,09,000

## 6. COST OF PRODUCTION / ANNUM

	(Rs.)
Total recurring cost per year	24,36,000
Depreciation on machinery	40,000
Interest on investment	65,000
<b>Total</b>	<b>25,41,000</b>

## 7. PROFITABILITY

Sales turnover	32,00,000
Annual cost of production	25,41,000
Annual profit	6,59,000
Return on investment	55 %

