

## CONTENTS

<b>PREFACE</b>	(i)
<b>GLOSSARY</b>	(ii)
<b>SUMMARY</b>	(iii)
<b>1. THE PROJECT CONCEPT</b>	<b>1</b>
1.1 The Basic Concept	1
1.2 Expansion of the Basic Concept	2
1.3 Environmental Aspects	4
<b>2. THE PRODUCT</b>	<b>5</b>
2.1 Definition and Specifications	5
2.2 Applications	7
<b>3. THE JUSTIFICATION OF THE PROJECT</b>	<b>8</b>
<b>4. THE MARKET DIMENSION</b>	<b>10</b>
4.1 The Market Size and Project Parameters	10
4.2 Market Prices	12
4.3 Competition	12
4.4 Marketing and Distribution Strategy Concepts	12
<b>5. THE TECHNOLOGY &amp; PRODUCTION PROCESS</b>	<b>13</b>
5.1 The Technology	13
5.2 The Production Process	14
5.3 The Production Facilities	17
5.3 The Environment Aspects	19
5.4 The Technology Source	19
<b>6. PRODUCTION REQUIREMENTS</b>	<b>21</b>
6.1 Raw Materials & Consumables	21
6.2 Utilities	22
6.3 Manpower	22
<b>7. INVESTMENT COST</b>	<b>23</b>
7.1 Summary	23
7.2 Total Tangible Fixed Investment Cost	23
7.3 Pre-Production Cost	25
7.4 Working Capital	25
<b>8. FINANCIAL ANALYSIS</b>	<b>26</b>
8.1 Project Profitability	26
8.2 Cash Flow	27
8.3 Sensitivity Analysis	28