

# CONTENTS

## **SEAMLESS COPPER TUBES PROJECT**

	<b><i>Page</i></b>
<b>PREFACE</b>	<b>(i)</b>
<b>GLOSSARY</b>	<b>(ii)</b>
<b>SUMMARY</b>	<b>(iii)</b>
<b>1. THE PROJECT CONCEPT .....</b>	<b>1</b>
1.1 The Basic Concept .....	1
1.2 Expansion of the Basic Concept .....	1
1.3 Environmental Aspects .....	1
<b>2. THE PRODUCT.....</b>	<b>2</b>
2.1 Definition and Specifications .....	2
2.2 Applications.....	2
<b>3. THE JUSTIFICATION OF THE PROJECT .....</b>	<b>3</b>
<b>4. THE MARKET DIMENSIONS .....</b>	<b>4</b>
4.1 The Market Size and Project Parameters.....	4
4.2 Market Prices.....	6
4.3 Competition.....	6
4.4 Marketing and Distribution Strategy Concepts .....	7
<b>5. THE TECHNOLOGY &amp; PRODUCTION PROCESS.....</b>	<b>8</b>
5.1 The Technology .....	8
5.2 The Production Process .....	8
5.3 The Technology Source .....	10
<b>6. THE PRODUCTION REQUIREMENTS .....</b>	<b>11</b>
6.1 Raw Materials & Consumables .....	11
6.2 Utilities .....	11
6.3 Manpower .....	12
6.4 Royalties.....	12
<b>7. INVESTMENT COSTS .....</b>	<b>13</b>
7.1 Summary .....	13
7.2 Total Fixed Investment Costs .....	14
7.3 Pre-production Costs .....	15
7.4 Working Capital.....	16
<b>8. PROJECT PROFITABILITY .....</b>	<b>17</b>
8.1 Overview .....	17
8.2 Financial Results - 100% Equity Case.....	17
8.3 Financial Results - Loan Case : 50% Equity/50% Loan.....	19
8.4 Sensitivity Analysis: Key Factors.....	21
<b>ARABIC SUMMARY</b>	