

# CONTENTS

## STEEL ROLLING MILL PROJECT

	<u>Page</u>
PREFACE	(i)
GLOSSARY	(ii)
SUMMARY	(iii)
<b>1. The Project Concept</b>	<b>1</b>
<b>2. The Product Specifications/Application</b>	<b>3</b>
<b>3. The Justification of the Project</b>	<b>4</b>
<b>4. The Market Dimensions</b>	<b>6</b>
4.1 The Market Size and Project Parameters	6
4.2 Market Prices	8
4.3 Competition	8
4.4 Marketing and Distribution Strategy	9
<b>5. The Technology and Production Process</b>	<b>10</b>
5.1 The Technology	10
5.2 Process Flowsheet	11
5.3 Major Equipment Supply	12
5.4 The Technology Source	13
<b>6. The Production Requirements</b>	<b>15</b>
6.1 Raw Materials	15
6.2 Utility and Consumable Requirements	15
6.3 Labour Requirements	15
<b>7. The Investment Costs</b>	<b>16</b>
7.1 Summary	16
7.2 Total Fixed Investment Costs	17
7.2.1 <i>Plant and Machinery</i>	17
7.2.2 <i>Building and Civil Works</i>	18
7.3 Pre-production Costs	19
7.4 Working Capital	19
<b>8. The Project Profitability</b>	<b>20</b>
8.1 Overview	20
8.2 Financial Results - 100% Equity Case	20
8.3 Financial Results - 50% Equity / 50% Loan Case	22
8.4 Sensitivity: Key Factors	24
<b>9. Arabic Summary</b>	<b>26</b>