CONTENTS

		Page
INTRODUCTION		1
I	PRODUCT DESCRIPTION NOMENCLATURE AND DEFINITIONS General Description of Products in the Fibreboard Field Description of Products in the Particle Board Field Description of Allied Products not covered in the Scope of the Consultation Nomenclature and Definitions Selected References	4 4 4 6 8 8
П	WORLD PRODUCTION, CONSUMPTION AND TRADE General Fibreboard Particle Board Future Outlook Selected References	16 16 16 26 31 32
Ш	RAW MATERIALS General Wood Raw Materials Conditions and Forms Required of Wood for Board Manufacture Procurement, Transport, Handleability Integrated Operations, Utilization and Forest Management Non-wood Fibrous Raw Materials Additives for Board Manufacture Water Selected References	33 33 33 37 39 40 42 44 46 46
IV	PROCESSES AND EQUIPMENT FIBREBOARD General Pulp Preparation Insulation Board Hardboard Combined Insulation Board and Hardboard Operation Operating Data	49 49 49 50 55 59 63 64
	PARTICLE BOARD General Particle Preparation Classification Conveying Drying Resins Resin Blending Formation Pressing Extrusion – Formation and Pressing Conditioning Trimming Additional Manufacturing Operations	65 66 66 69 70 70 71 71 72 73 73 73 74 74

	Operating Data	74
	Selected Reference	76
V	ECONOMIC ASPECTS OF PRODUCTION AND MARKETING	78
V	General	78 78
	Investment Costs	78 79
	Production Costs	88
	Some criteria for evaluating board projects	98
	Integration, combined operations, integral utilization	100
	Distribution and Marketing Problems	102
	Planning a New Mill	105
	Selected References	110
VI	PROPERTIES APPLICATIONS AND USES	111
	General	111
	Insulation Board	112
	Hardboard	116
	Particle Board	119
	Selected References	123
VII	RESEARCH NEEDS	125
	General	125
	Raw Materials	125
	Processing Equipment and Manufacture	126
	Properties, Applications and Uses	127
	Market Research	129
	Priority Considerations	129
	Selected References	130
APPE	APPENDICES	
1.		133
2.	World List of Mills	144
	Part I Fibreboard (Insulation board and hardboard)	145
	Part II Particle Board	155
3.	Trade Associations	168
4.		172
5.	6 1	178
6.	Convension Factors and Equivalents	179