

CONTENTS

	Pages
INTRODUCTION	I
ENERGY IN GENERAL	1-15
Energy and Society	1
World Trends	2
Energy in USA and other European Countries	4
Energy in India	7
Energy Conservation	10
Energy and Environment	11
Energy Policy	12
Technological Alternatives	14
Energy and Developing Countries	15
SOLAR ENERGY	19-51
Solar Energy and Developing Countries	20
Solar Radiation	21
Solar Processes	24
Solar Pond	26
Solar Concentrators, Collectors and Reflectors	27
Coatings and films	29
Solar Water Heaters	30
Solar Distillation and stills	33
Solar Cooker	37
Solar Furnace	38
Solar Refrigeration	40
Solar Airconditioning	41
Solar Power	44
Solar Cells and Batteries	46
Solar Pumps	48
Bioutilization of Solar Energy	49
Energy from Agricultural Wastes	51

	Pages
WIND POWER	52-65
Wind Power	52
Wind Power utilization	53
Wind power for Developing countries	53
Harnessing of Wind Power	54
Site Selection	55
Wind Regimes	56
Wind Measurement	57
Design and Testing of Wind Power Plants	59
Wind Power Plants	60
In Denmark	62
In Hungary and other countries	63
In India	65
GEOHERMAL ENERGY	67-73
Exploitation	67
Geothermal power in California	69
Geothermal Energy, Mexico	70
Geothermal Energy in Iceland	70
Geothermal Power in New Zealand	72
Geothermal Power in Japan	72
Mineral Springs in India	73
Thermal Power from Sea	73
Waste Heat Utilization	74-5
LIST OF REFERENCES	76-90