## Content

Background	1
Key Mission	2
Overview of operation	2
Part 1 Solar cells for tropical climate	
<ul> <li>Principles and rationale</li> </ul>	5
<ul> <li>Features of hybrid cells</li> </ul>	6
<ul> <li>Operating results</li> </ul>	9
Part 2 Photovoltaic/Thermal solar system	
<ul> <li>Principles and rationale</li> </ul>	13
<ul> <li>Typically solar collector</li> </ul>	14
<ul> <li>Higher energy yield with Photovoltaic/Thermal solar syste</li> </ul>	em 15
<ul> <li>System features / Indirect benefits</li> </ul>	16
<ul> <li>Operating results</li> </ul>	17
<ul> <li>Future plan of the system</li> </ul>	21
Part 3 Photovoltaic/Thermal solar air-conditioning system	
<ul> <li>Principles and rationale</li> </ul>	23
<ul> <li>Working principle of PV/T solar air-conditioning system</li> </ul>	24
<ul> <li>System features</li> </ul>	25
<ul> <li>Operating results / Benefits of the system</li> </ul>	26
<ul> <li>Future plan of the system</li> </ul>	27
Part 4 Dye-sensitized Solar Cell	
<ul> <li>Principles and rationale</li> </ul>	29
<ul> <li>Status of the Dye-sensitized Solar Cell</li> </ul>	30
<ul> <li>Structure and working principles</li> </ul>	31
<ul> <li>Features of Dye-sensitized Solar Cell / Operating results</li> </ul>	34
Summary	35