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Productivity improvement
through modern Manufacturing methods

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STUDY ON THE IMPROVEMENT OF PRODUCTIVITY
THROUGH MODERN MANUFACTURING METHODS

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ABSTRACT

The main objective of this project was to study the productivity improvement of Sunflex Solar Energy Ltd factory, which is located at Lakatamia Area.

A company description was made at the beginning, giving the companys' policy, activities and, organization structure.

Then, major factors contributing to low productivity were analyzed in depth. Some of them are, Capital, Labour, Defects in the design or Specifications of the product, Inefficient methods of Production, Idle time etc.

Furthermore, management techniques to improve productivity were analyzed as well as, solutions for the elimination of the major problems were given.

The sequence of all operations followed by Sunflex Solar Energy Ltd factory was analyzed. Several methods for better control were suggested such as, Material Control, Process Planning, B.O.M, etc.

In addition, an Economic Analysis of the existing conditions as well as, with recommended conditions and new investments, was presented.

Finally, in the conclusions, a description of the work done was made together with a summary of the recommendations and implementation plan.

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Appendix	P.L	Proposed Layout
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Appendix	B.E.P	Break Even Point
Appendix	M.R.P	Structure
Appendix	D.A	Detailed Analysis
Appendix	B.O.M	Bill of Materials