

The definitive source of information on the Manufacturing of Solar PV Power and Solar Products

*Start Your Own Manufacturing Business in Solar
Industry*



<https://www.niir.org>
<https://www.entrepreneurindia.co>

Solar PV Power and Solar Products Handbook

(Solar Energy, Solar Lighting, Solar Power Plant, Solar Panel, Solar Pump, Solar Photovoltaic Cell, Solar Inverter, Solar Thermal Power Plant, Solar Farm, Solar Cell Modules with Manufacturing Process, Equipment Details, Plant Layout & Process Flow Chart)



Introduction



Solar energy is expanding worldwide and becoming an increasingly important part of the energy mix in many countries.



Solar energy is used all over the world, but in terms of total installed solar capacity, India, China, Japan, and the United States are now top of the world. Solar panels can create power almost anywhere on the planet.

However, some regions receive more sunshine than others and hence have a greater solar energy potential. It is based on insolation, which is a measurement of how much solar radiation reaches a specific area on the earth's surface.

➤ **Visit this Page for More Information: [Start a Business in Renewable Energy Industry](#)**



**Solar energy can be captured
in a variety of ways.**

**Photovoltaic solar panels are
the most frequent method.**

**Photovoltaic (PV) devices use
semiconductors to generate
power directly from sunlight.**

Photons impact and ionize semiconductor material on the solar panel as the silicon photovoltaic solar cell absorbs solar energy, causing electrons to break free of their atomic bonds. A flow of electrical current is created when electrons are compelled to move in one direction.

➤ **Book Link:** [Solar PV Power and Solar Products Handbook](#)

Only a portion of the light spectrum is absorbed, while the rest is reflected, too faint (infrared), or generates heat rather than electricity (ultraviolet). Concentrated solar power is the second type of solar energy technology (CSP). Solar thermal energy is used in CSP facilities to create steam, which is subsequently turned into electricity via a turbine.

About the Book

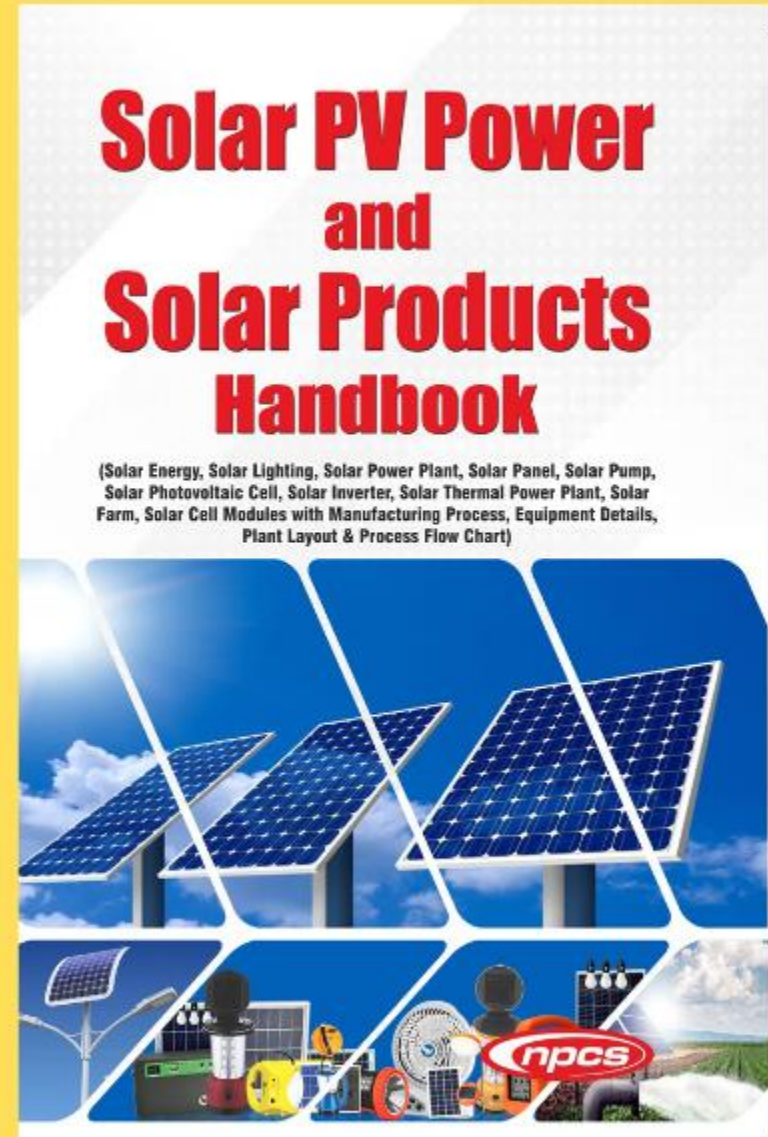
Solar PV Power and Solar Products Handbook

(Solar Energy, Solar Lighting, Solar Power Plant, Solar Panel, Solar Pump, Solar Photovoltaic Cell, Solar Inverter, Solar Thermal Power Plant, Solar Farm, Solar Cell Modules with Manufacturing Process, Equipment Details, Plant Layout & Process Flow Chart)



The solar PV energy & solar products handbook provides a comprehensive list of every aspect to solar power, whether it's residential use or commercial use.

This includes pictures & diagrams with step-by-step instructions on how to install each product & what materials you need. Whether you're thinking about installing it yourself or hiring someone else to do it, they provide guidance in both cases. Start off your project by reviewing their guide!





The solar energy industry has boomed in recent years, with interest in the subject skyrocketing. Whether you're interested in solar energy as an investment or as a way to lessen your impact on the environment,...

..there are many things to consider before taking the leap into solar power generation. This Solar PV Energy and the Solar Products Handbook explores how this alternative energy source works, what it can be used for, and what you should expect if you're considering investing in it yourself.

➤ **Read Similar Articles:** [Renewable Energy](#)

Market Outlook



The global solar energy installed capacity is estimated to reach 1,645 gigawatts (GW), registering a CAGR is 13.78%.

The growth of the solar energy market is driven by an increase in environmental pollution and the provision of government incentives & tax rebates to install solar panels. In addition, a decrease in water footprint associated with solar energy systems has fueled their demand in power generation sectors.

➤ **Read our Books Here:** [Solar Products, Solar PV Power, Solar Energy, Solar Lighting, Solar Power Plant, Solar Panel, Solar Pump, Solar Photovoltaic Cell, Solar Inverter, Solar Thermal Power Plant, Solar Farm and Solar Cell Modules](#)

The demand for solar cells has gained major traction owing to a surge in rooftop installations, followed by an increase in applications in the architectural sector. Furthermore, the demand for parabolic troughs and solar power towers in electricity generation is expected to boost the demand for concentrated solar power systems.

➤ **Watch other Informative Videos: [Renewable Energy Sector, Green Power, Solar Energy, Biofuel, Hydroelectric, Wind, Non-conventional Energy, New and Renewable Energy](#)**

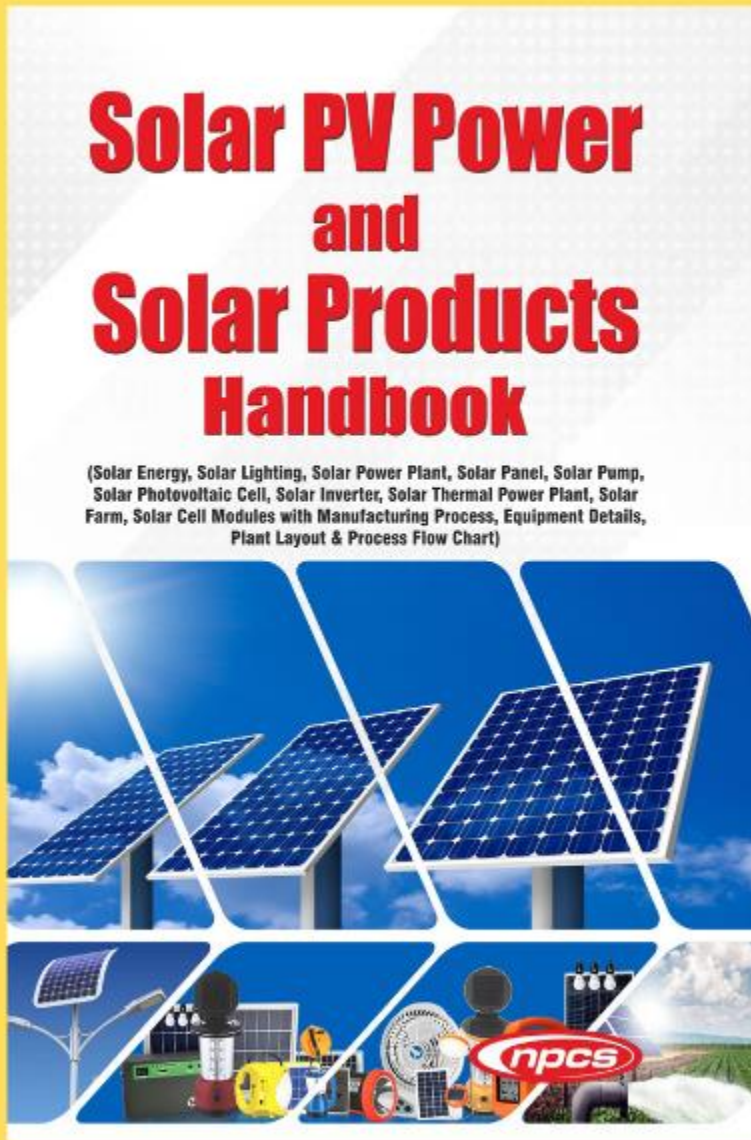
Only the two commonly recognized kinds of technology for converting solar energy into electricity — photovoltaics (PV) and concentrated solar power (CSP, also known as solar thermal) — are considered in their current and possible future forms in The Future of Solar Energy.

- **Related Feasibility Study Reports:** [Renewable Energy Sector, Green Power, Solar Energy, Biofuel, Hydroelectric, Wind, Geothermal, Biomass, Non-conventional Energy, New and Renewable Energy Projects](#)

Expanding the solar sector considerably from its current small size may result in developments that no one can predict right now. Solar deployment in the future will be highly influenced by uncertain future market conditions and public policies, including but not limited to measures aimed at mitigating global climate change.

Conclusion

The book covers a wide range of topics connected to Solar, as well as their manufacturing processes. It also includes contact information for machinery suppliers,...



This book serves as a one-stop-shop for everything you need to know about the Solar, which is ripe with opportunities for manufacturers, merchants, and entrepreneurs. This is the only book that covers Solar PV Power and Solar Products in depth. From concept through equipment procurement, it is a veritable feast of how-to information.

**#SolarPanelManufacturing #SolarPanelProduction #SolarPanels
#invertertechnology #renewableenergy #solarenergy
#SolarInverter #SolarCellManufacturing #SolarMarket
#SolarPhotovoltaicCell #SolarPhotovoltaicIndustry #SolarSector
#LithiumIonBatteryRecycling #NewRelease #NewBook
#BusinessIdeas #StartupBusinessIdea #NPCSProjects #Startup
#Business #BusinessConsultant #BusinessOpportunity
#BusinessPlan #NPCS #EntrepreneurIndia #Newbook
#NewRelease #Businessbook #StartupBook #TechnologyBooks**

TABLE OF CONTENT OF THE BOOK

1. INTRODUCTION

1.1 Photovoltaics Basics

1.1.1 Solar Photovoltaic Technology

1.1.2 PV Cells

1.1.3 Solar Photovoltaic System Design

1.1.4 Solar Performance and Efficiency

1.2 Concentrating Solar-Thermal Power Basics

1.3 The Future of Solar

2. PROCESS TO START A SOLAR ENERGY BUSINESS

2.1 Creating a Business Plan

2.2 Market Research

2.3 Legalising Business

2.4 Acquainted with Government's Electricity Department

2.5 Finalizing Location

2.6 Financial Actions

2.7 Hiring Workers

3. SOLAR ENERGY

3.1 Potential

3.2 Thermal Energy

- **Water Heating**
- **Heating, Cooling and Ventilation**
- **Cooking**
- **Process Heat**
- **Water Treatment**
- **Molten Salt Technology**

3.3 Electricity Generation

- **Photovoltaic**
- **Concentrated Solar Power**

3.4 Other Applications

3.5 Architecture and Urban Planning

3.6 Agriculture and Horticulture

3.7 Transport

3.8 Fuel Production

3.9 Energy Storage Methods

3.10 Development, Deployment and Economics

4. PHOTOVOLTAIC SYSTEMS

4.1 Functioning of the Photovoltaic Cells

4.2 Types of Solar Photovoltaic Cells

4.2.1 Amorphous Silicon (a Si)

4.2.2 Cadmium Tellurium (CdTe)

4.2.3 Copper Indium Gallium Selenide (CIS, CIGS)

4.2.4 Thermo Sensitive Solar Cells and Other Organ Cells (DSC)

4.2.5 Energy Depreciation of Photovoltaic Cells

4.2.6 Photovoltaic System Types

4.3 Network Connected Solar Power Plants (Farms)

4.4 Standalone Systems (Off Grid) or Isolated Systems

4.5 Hybrid Systems

4.6 Independent Systems for Economic Purposes

4.7 Solar Radiation

**4.8 Legislative and Institutional Framework for Producing
of Electric Energy from RES**

4.9 New Solar Photovoltaic Panel Technologies and Development Possibilities

4.9.1 Concentrating Photovoltaic Systems

4.9.2 Carbon Nanotube (CNT)

5.SOLAR PHOTOVOLTAIC (PV) SYSTEM COMPONENTS

5.1 Introduction

5.2 Matching Module to Load

5.3 Solar Module

5.4 Solar Array

5.5 Combiner Box

5.6 PV Disconnect

5.7 Charge Controller

5.8 Battery

5.9 Battery Banks

5.10 Inverters

5.11 AC Disconnect Switch

5.12 AC Breaker Panel

5.13 System Metering

5.14 Conclusion

6.DESIGN AND SIZING OF SOLAR PHOTOVOTAIC SYSTEMS

6.1 Benefits

7.SOLAR LIGHTING SCENARIO

8. SOLAR POWER PLANT

8.1 Photo Voltaic (PV) Principle

8.2 Benefits

8.3 Components of Solar Power Plant

8.3.1 Photovoltaic (PV) Panel

8.3.2 Inverter

8.3.3 Energy Storage Devices

8.3.4 Charge Controller

8.3.5 System Balancing Component

8.3.6 Blocking Diode

8.3.7 Voltage Regulator

8.3.8 Performance of Solar Cell

8.4 Solar Cell Efficiency

8.5 Factors Affecting the Efficiency of Solar Cells

8.5.1 Temperature

8.5.2 Sun Intensity

8.5.3 Solar Shading

8.5.4 Reflection

8.6 Types of Solar Power Plant

8.7 Direct-Coupled Standalone System

8.8 Standalone System with Battery Storage

8.9 Standalone System with Battery and Charge Controller

8.10 Standalone System with AC and DC Loads

8.11 Hybrid Standalone System

8.12 Grid-Connected System

8.13 Classification of Solar Power Plants (PV Power Plants)

8.14 Advantages

8.15 Disadvantages

8.16 How Solar Power Plant Works?

8.17 Working of Photovoltaic Plant

8.17.1 Parabolic Troughs

8.17.2 Solar Power Tower

8.17.3 Solar Pond

8.17.4 Efficiency of Solar Power Plant

9. SOLAR PANEL

9.1 Theory and Construction

9.1.1 Arrays of PV Modules

9.1.2 Smart Solar Modules

9.1.3 Module Interconnection

9.1.4 Concentrator

9.1.5 Mounting and Tracking

9.1.6 Tracking

9.1.7 Inverters

9.1.8 Connectors

9.2 Efficiency

9.2.1 Radiation-Dependent Efficiency

9.2.2 Aluminum Nanocylinders

9.3 Technology

9.3.1 Thin Film

9.4 Performance and Degradation

9.5 Maintenance

9.6 Waste and Recycling

9.7 Production

9.8 Applications

9.9 Limitations

9.9.1 Impact on Electricity Network

9.9.2 Implication onto Electricity Bill Management and Energy Investment

9.10 How do Solar Panels Work

9.11 Benefits

9.12 Types

9.13 First Generation Solar Panels

9.13.1 Monocrystalline Solar Panels (Mono-Si)

9.13.2 Polycrystalline Solar Panels (Poly-Si)

9.14 Second Generation Solar Panels

9.14.1 Amorphous Silicon Solar Cell (A-Si)

9.14.2 Thin-Film Solar Cells (TFSC)

9.15 Third Generation Solar Cells

9.15.1 Biohybrid Solar Cell

9.15.2 Concentrated PV Cell (CVP and HCVP)

9.15.3 Cadmium Telluride Solar Cell (CdTe)

9.16 Advantages

9.17 Disadvantages

9.18 What are Solar Panels Made of?

9.19 Solar Panel Production

9.20 Equipments

9.20.1 Stringer Machine

9.20.2 Automatic Station with Conveyor Belts for Manual Bussing or Automatic Bussing Machine

9.20.3 Electroluminescence Test

9.20.4 Laminator with Buffers

9.20.5 Automatic Framing Machine

9.20.6 Automatic Silicone Dispenser

9.20.7 Eva and Back sheet Cutting Machine

9.20.8 Solar Simulator

9.21 Accessories

9.21.1 Ribbon Cutting Machine

9.21.2 String Reparation Table

9.21.3 Light and Inspection Mirror Tables

9.21.4 Support and Transport Tables

10. SOLAR PUMP

10.1 Introduction

10.2 Advantages of Solar Pump

10.3 System Types and Configurations

10.4 How the Electric Pump is Powered?

10.5 Type of Water Pump Systems

10.5.1 Borehole/Well Pump (Submersible Pump)

10.5.2 Surface Pump

10.5.3 Floating Pump

10.6 Types of Pumps

10.6.1 Roto-Dynamic

10.6.2 Positive Displacement

10.7 Designing and Selecting a Solar Water Pumping System-Summary

10.8 Determine Where the Solar Array will be Located

10.9 Determine Where the Pump will be Located

10.9.1 Location of Borehole or Well Pump

10.9.2 Location of Surface Pump

10.10 Determining Length of Cables Required

10.11 Determine Where and How the Water will be Stored

10.12 Measure the Static Head for the Site

10.12.1 Calculating Static Head- Borehole/Well Pump

10.12.2 Calculating Static Head-Surface Pump

10.13 Measure the Distance Between Water Source and the Location where Water is Pumped

10.13.1 Borehole/Well Pump

10.13.2 Surface Pump for the Surface Pump there will be Two Water Pipes

10.14 Benefits of Solar Pump

10.15 Solar Pump Advantages

10.16 Solar Pump Disadvantages

10.17 Technologies in Solar Water Pump

10.17.1 On-Grid Solar Pump

10.17.2 Hybrid Solar Pump

10.17.3 Solar Pump VFD Drive

10.18 Components of a Solar PV Water Pumping System

10.18.1 Solar Array

10.18.2 Pump Controller

10.19 Locating and Mounting the Controller

10.19.1 Electric Motor

10.20 Installation of Solar PV Water Pumping System

10.20.1 Solar PV Array Installation

10.20.2 Controller Installation

10.20.3 Motor and Pump Installation

11. SOLAR CELL

11.1 Solar Cell Structure and Operation

11.2 Uses

11.2.1 Space

11.2.2 Solar Powered Vehicles

11.3 Applications

11.3.1 Cells, Modules, Panels and Systems

11.4 Subsidies and Grid Parity

11.5 Theory

11.6 Efficiency

11.7 Materials

11.7.1 Crystalline Silicon

11.7.2 Thin Film

11.7.3 Multijunction Cells

11.8 Research in Solar Cells

11.8.1 Perovskite Solar Cells

11.8.2 Bifacial Solar Cells

11.8.3 Intermediate Band

11.8.4 Liquid Inks

11.8.5 Upconversion and Downconversion

11.8.6 Light-Absorbing Dyes

11.8.7 Quantum Dots

11.8.8 Organic/Polymer Solar Cells

11.8.9 Adaptive Cells

11.8.10 Surface Texturing

11.8.11 Encapsulation

11.8.12 Autonomous Maintenance

11.9 Manufacture

11.10 Recycling

11.11 How a Solar Cell Works

12. SOLAR PV CELL CONSTRUCTION

12.1 How Are Silicon PV Cells Made?

12.2 Basic Steps to Produce Monocrystalline PV Cells

12.3 P-Type Vs N-Type Solar Cells

12.4 P-Type Solar Cells

12.5 N-Type Solar Cells

12.5.1 Advantages of N-Type

12.6 Cost Vs Efficiency

12.7 Heterojunction Solar Cells

12.8 N-Type TOPCon Solar Cells

13. SOLAR INVERTERS

13.1 Classification

13.2 Maximum Power Point Tracking

13.3 Solar Micro-Inverters

13.4 Grid Tied Solar Inverters

13.5 Solar Pumping Inverters

13.6 Types of Solar Inverter

13.7 Advantage

13.8 Working of Solar Inverter

13.9 Solar Inverter Design

13.10 Solar Inverter Circuit Diagram

13.11 Solar Inverter Advantages

13.12 Solar Inverter Disadvantages

13.13 How is it Beneficial?

14.SOLAR THERMAL POWER PLANT

14.1 How to Work

14.2 Advantages

14.3 Disadvantages

14.4 Types of Plants

14.4.1 Parabolic Troughs

14.4.2 Parabolic Dishes

14.4.3 Solar Towers

14.5 Benefits and Drawbacks

14.6 Details of Field Installations

14.6.1 Solar Fields

14.6.2 Heat Exchanger

14.6.3 Power Block

14.6.4 Weather Station

14.7 Civil Structures and Other Supporting Infrastructure

14.7.1 Piping and Other Supporting Installations

14.8 Testing Facility

15.SOLAR CHARGE CONTROLLER

15.1 Features

15.2 Characteristics

15.3 Naming Rules of Controller Models

15.4 Applications

15.4.1 PWM Solar Charge Controller

15.4.2 MPPT Solar Charge Controller

15.5 Types of Charge Controller

15.6 Proposed System

15.7 Maximum Power Point Tracking Technology

15.8 Development of Controller

15.9 Simulink Model and Results

15.10 Battery Charging Stage

15.10.1 Bulk Charging

15.10.2 Constant Charging

15.10.3 Float Charging

15.11 Maximum Power Tracking Solar Charge Controller Using Microcontroller

15.12 Microcontroller based Maximum Power Tracking Solar Charge Controller

15.12.1 Solar Panel

15.12.2 Sensors

15.12.3 DC-to-DC Converter

15.12.4 Microcontroller

15.12.5 Battery

15.12.6 Inverter

15.12.7 RS485 Interface

15.13 Working of a Maximum Power Tracking Solar Charge Controller

16. SOLAR LED STREET LIGHT

16.1 Basic Components

16.2 Operation Principle

16.3 Applications

16.4 The Main Concept of the New System

16.5 System Prototype

16.6 Battery Discharge Controller Design

16.6.1 Hardware Design

- **Power Supply Circuit**
- **Voltage Scaling Circuit**
- **LDR Sensor Circuit**
- **Microcontroller Unit**
- **LED Driving Circuit by PWM**

16.6.2 Controller Software

17.START A SOLAR FARM BUSINESS

17.1STEP 1: Plan the Business

17.1.1What are the Costs Involved in Opening a Solar Farm Business?

17.1.2What are the Ongoing Expenses for a Solar Farm Business?

17.1.3Who is the Target Market?

17.1.4How does a Solar Farm Business Make Money?

17.1.5How Much can Charge Customers?

17.1.6How Much Profit can a Solar Farm Business Make?

17.1.7How can Make the Business more Profitable?

17.1.8What will Name the Business?

17.2 STEP 2: Form a Legal Entity

17.2.1 What is an LLC?

17.3STEP 3: Open a Business Bank Account

17.3.1Open a Business Bank Account

17.4STEP 4: Obtain Necessary Permits and Licenses

17.5STEP 5: Get Business Insurance

17.6 STEP 6: Define Brand

17.6.1How to Promote & Market a Solar Farm Business

17.6.2How to Keep Customers Coming Back

17.7STEP 7: Create Business Website

17.7.1Here are the Main Reasons Why Shouldn't Delay Building r Website

17.8Step 8: Set Up Business Phone System

18. SOLAR FARMS

18.1 Introduction

18.2 Types of Solar Farms: Community Solar and Utility-Scale Solar

18.2.1 Community Solar Farms

18.2.2 Utility-Scale Solar Farms

18.3 Benefits

18.4 How do Solar Panels and Solar Farms Work?

18.5 How Much Does a Solar Farm Cost?

18.6 What is the Largest Solar Farm in the World?

18.7 How Much Energy can a Solar Farm Produce?

18.8 Advantages

18.8.1 Environment-Friendly

18.8.2 Low-Maintenance

18.8.3 Quiet

18.8.4 Sustainable

18.9 Disadvantages of a Solar Farm

18.9.1 Costly Storage

18.9.2 Irregular Availability

18.9.3 Require Rare Materials

18.10 *What Else Happens in a Solar Farm?*

18.11 *Building a Solar Farm: How does it Work?*

8.11.1 *How many Acres do I Need for this Size of a Power Plant?*

18.11.2 *How will Electrical Connection Work?*

18.11.3 *How will I Clean and Maintain the Plant?*

18.11.4 *How Many Solar Panels will I Need?*

18.11.5 *What's a Good Price for My Solar Installation?*

19. MANUFACTURING PROCESS OF SOLAR CELL MODULES

20. BIS SPECIFICATIONS

21. PLANT LAYOUT AND PROCESS FLOW CHART & DIAGRAMS

22. SOLAR PRODUCTS

- *Solar Flat Plate Water Heater*

For more Projects and further details, visit at:

[Project Reports & Profiles](#)

[BOOKS & DATABASES](#)

[Market Research Report](#)

Must Visit Links

Start a Business in Africa, [Click Here](#)

Start a Business in India, [Click Here](#)

Start a Business in Middle East, [Click Here](#)

Start a Business in Asia, [Click Here](#)

Start a Business in Potential Countries for Doing Business, [Click Here](#)

Best Industry for Doing Business, [Click Here](#)

Business Ideas with Low, Medium & High Investment, [Click Here](#)

Looking for Most Demandable Business Ideas for Startups, [Click Here](#)

Looking for Startup Consulting Services, [Click Here](#)



***NIIR PROJECT CONSULTANCY SERVICES (NPCS)* can
provide Process Technology Book on**

**SOLAR PV POWER AND SOLAR PRODUCTS
HANDBOOK**

**(SOLAR ENERGY, SOLAR LIGHTING, SOLAR POWER PLANT, SOLAR PANEL,
SOLAR PUMP, SOLAR PHOTOVOLTAIC CELL, SOLAR INVERTER, SOLAR
THERMAL POWER PLANT, SOLAR FARM, SOLAR CELL MODULES WITH
MANUFACTURING PROCESS, EQUIPMENT DETAILS, PLANT LAYOUT & PROCESS
FLOW CHART)**

See more

**Project Reports & Profiles
BOOKS**

OUR CLIENTS

Our inexhaustible Client list includes public-sector companies, Corporate Houses, Government undertaking, individual entrepreneurs, NRI, Foreign investors, non-profit organizations and educational institutions from all parts of the World. The list is just a glimpse of our esteemed & satisfied Clients.

Click here to take a look
<https://goo.gl/G3ICjV>

Select and Choose the Right Business Startup for You

(Instant Online Project Identification and Selection)

Finding the right startup business is one of the most popular subject today. Starting a business is no easy endeavor, but the time, effort, and challenges can be worth it if you succeed. To give yourself the best chance to be successful, take your time to carefully find the right business for you. We, at NPCS, endeavor to make business selection a simple and convenient step for any entrepreneur/startup. Our expert team, by capitalizing on its dexterity and decade's long experience in the field, has created a list of profitable ventures for entrepreneurs who wish to diversify or venture. The list so mentioned is updated regularly to give you a regular dose of new emerging opportunities.

Visit: <https://www.entrepreneurindia.co/project-identification>

[Download Complete List of Project Reports:](#)

▪ [Detailed Project Reports](#)

Visit:- <https://www.entrepreneurindia.co/complete-project-list>

NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.

And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,

Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](#)

Free Instant Online Project Identification and Selection Service

Our Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.....[Read more](#)

Who are we?

- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad

We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.

We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.

What do we offer?

- Project Identification
- Detailed Project Reports/Pre-feasibility Reports
- Market Research Reports
- Business Plan
- Technology Books and Directory
- Industry Trend
- Databases on CD-ROM
- Laboratory Testing Services
- Turnkey Project Consultancy/Solutions
- Entrepreneur India (An Industrial Monthly Journal)

How are we different ?

- We have two decades long experience in project consultancy and market research field
- We empower our customers with the prerequisite know-how to take sound business decisions
- We help catalyze business growth by providing distinctive and profound market analysis
- We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors
- We use authentic & reliable sources to ensure business precision

Who do we Serve?

- Public-sector Companies
- Corporates
- Government Undertakings
- Individual Entrepreneurs
- NRI's
- Foreign Investors
- Non-profit Organizations, NBFC's
- Educational Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Sectors We Cover

- Ayurvedic And Herbal Medicines, Herbal Cosmetics
- Alcoholic And Non Alcoholic Beverages, Drinks
- Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin
- Activated Carbon & Activated Charcoal
- Aluminium And Aluminium Extrusion Profiles & Sections,
- Bio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
- Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling
- Bamboo And Cane Based Projects
- Building Materials And Construction Projects
- Biodegradable & Bioplastic Based Projects
- Chemicals (Organic And Inorganic)
- Confectionery, Bakery/Baking And Other Food
- Cereal Processing
- Coconut And Coconut Based Products
- Cold Storage For Fruits & Vegetables
- Coal & Coal Byproduct
- Copper & Copper Based Projects

- Dairy/Milk Processing
- Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Electrical, Electronic And Computer based Projects
- Essential Oils, Oils & Fats And Allied
- Engineering Goods
- Fibre Glass & Float Glass
- Fast Moving Consumer Goods
- Food, Bakery, Agro Processing
- Fruits & Vegetables Processing
- Ferro Alloys Based Projects
- Fertilizers & Biofertilizers
- Ginger & Ginger Based Projects
- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
- Hotel & Hospitality Projects
- Hospital Based Projects
- Herbal Based Projects
- Inks, Stationery And Export Industries
- Infrastructure Projects
- Jute & Jute Based Products

- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
- Livestock Farming Of Birds & Animals
- Minerals And Minerals
- Maize Processing(Wet Milling) & Maize Based Projects
- Medical Plastics, Disposables Plastic Syringe, Blood Bags
- Organic Farming, Neem Products Etc.
- Paints, Pigments, Varnish & Lacquer
- Paper And Paper Board, Paper Recycling Projects
- Printing Inks
- Packaging Based Projects
- Perfumes, Cosmetics And Flavours
- Power Generation Based Projects & Renewable Energy Based Projects
- Pharmaceuticals And Drugs
- Plantations, Farming And Cultivations
- Plastic Film, Plastic Waste And Plastic Compounds
- Plastic, PVC, PET, HDPE, LDPE Etc.

- Potato And Potato Based Projects
- Printing And Packaging
- Real Estate, Leisure And Hospitality
- Rubber And Rubber Products
- Soaps And Detergents
- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals
- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry(Packaged Drinking Water & Mineral Water)
- Wire & Cable

- To get a detailed scenario of the industry along with its structure and classification
- To provide a comprehensive analysis of the industry by covering aspects like:
 - Growth drivers of the industry
 - Latest market trends
 - Insights on regulatory framework
 - SWOT Analysis
 - Demand-Supply Situation
 - Foreign Trade
 - Porters 5 Forces Analysis
- To provide forecasts of key parameters which helps to anticipate the industry performance
- To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- To help an entrepreneur/manager in keeping abreast with the changes in the industry
- To evaluate the competitive landscape of the industry by detailing:
 - Key players with their market shares
 - Financial comparison of present players

- Venturist/Capitalists
- Entrepreneur/Companies
- Industry Researchers
- Investment Funds
- Foreign Investors, NRI's
- Project Consultants/Chartered Accountants
- Banks
- Corporates

[Click here for list](#)

Data Sources



Scope & Coverage



Our Team

- ∞ Our research team comprises of experts from various financial fields:
 - ∞ MBA's
 - ∞ Industry Researchers
 - ∞ Financial Planners
 - ∞ Research veterans with decades of experience

Visit us at

www.entrepreneurindia.co

www.niir.org

Take a look at
NIIR PROJECT CONSULTANCY SERVICES
on #Street View
<https://goo.gl/VstWkd>

Locate us on
Google Maps
<https://goo.gl/maps/BKkUtq9gevT2>

NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001 : 2015 CERTIFIED COMPANY



AN ISO 9001 : 2015 CERTIFIED COMPANY

NIIR PROJECT CONSULTANCY SERVICES

Entrepreneur India

Contact us

NIIR PROJECT CONSULTANCY SERVICES

Entrepreneur India

106-E, Kamla Nagar, Opp. Mall ST,
New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886

Mobile: +91-9097075054, 8800733955

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , www.niir.org

Take a look at **NIIR PROJECT CONSULTANCY SERVICES** on #StreetView
[google-street-view](#)

Follow us



<https://www.linkedin.com/company/niir-project-consultancy-services>



<https://www.facebook.com/NIIR.ORG>



<https://www.youtube.com/user/NIIRproject>



https://twitter.com/npcs_in



<https://www.pinterest.com/npcsindia/>



AN ISO 9001 : 2015 CERTIFIED COMPANY

Thank you!

For more information, visit us at:

www.entrepreneurindia.co

www.niir.org