INVESTMENT OPPORTUNITY

Investment Opportunity(1006)

Establishment of an Integrated Solar Panel Production Plant

Project Overview

The Ministry of Investment presents a strategic investment opportunity for the establishment of an integrated solar panel production plant in the city of Sebha, aiming to localize the renewable energy technology industry in Libya, enhance national energy security, and capitalize on the exceptional solar potential enjoyed by the southern regions of Libya, thereby contributing to the transition toward a green economy and reducing reliance on conventional energy sources.

Project Location:

- **Location:** Sebha – State of Libya.
- **Type of Activity:** Manufacture of Renewable Energy Equipment and Systems.
- **Nature of the Project:** Strategic Industrial Project.

Target Markets:

- The Libyan Market.
- Governmental Solar Energy Projects.
- Renewable Energy Companies and Real Estate Developers.
- North African Countries.
- African Sahel Countries.
- Middle Eastern Markets.

Land Area Requirements

Item	Area
Total Area	200,000 m^2
Manufacturing and Production Area	100,000 m^2
Storage and Logistics Facilities	50,000 m^2
Future Expansion Areas and Supporting Services	50,000 m^2

Estimated Investment Capital

Item	Value in USD
Infrastructure and Civil Works	50,000,000
Automated Production and Assembly Lines	150,000,000
Laboratories, Quality, and Testing Systems	25,000,000
Storage and Logistics Facilities	20,000,000
Working and Operational Capital	35,000,000
Total Investment	**280,000,000 USD**

Project Components

- Solar Panel Manufacturing and Assembly Lines.
- High-Efficiency Photovoltaic Cell Production Lines.
- Silicon Cutting and Processing Units.
- Automated Inspection and Testing Systems.
- Quality and Technical Certification Laboratories.
- Advanced Digital Management and Operating Systems.
- Raw Material and Finished Product Warehouses.
- Specialized Technical Training and Qualification Center.
- Integrated Administrative and Service Facilities.
- Integrated Industrial Safety and Security System.

Core Products

- Photovoltaic (PV) Solar Panels.
- High-Efficiency Solar Cells.
- Panels Designated for Major Solar Power Plants.
- Panels Designated for Residential and Commercial Buildings.
- Solar Panels for Agricultural and Industrial Projects.

Product Applications

- Manufacture of major solar power plants.
- Governmental renewable energy projects.
- Residential and commercial solar systems.
- Agricultural projects and water pumping systems.
- Industrial and commercial facilities.
- Independent off-grid electricity projects.
- Renewable energy projects in Africa and the Middle East.

Estimated Production Capacity

- Production of 1 Gigawatt (GW) per annum of solar panels.
- Production of between 2 to 2.5 million solar panels per annum.
- Potential for future expansion up to 1.5 Gigawatts (GW) per annum.
- Production compliant with European and international specifications.

Financial Indicators

Indicator	Value
Expected Annual Revenues	250 – 450 Million USD
Annual Net Profit	40 – 80 Million USD
Rate of Return on Investment (ROI)	12% – 18%
Capital Payback Period	6 – 8 Years
Operating Profit Margin	15% – 22%

Competitive Advantages

- The city of Sebha enjoys one of the highest solar irradiance rates in the world.
- Support for state plans to expand renewable energy projects.
- High local and regional demand for solar panels.
- Feasibility of exporting to African and Middle Eastern markets.
- Reduction of import costs and localization of the industry locally.
- Availability of vast areas for future expansion.
- Support for the transition toward a green economy and sustainable development.
- Contribution to technology transfer and building national capacities.

Employment Opportunities

- Direct Jobs: 350 – 600 jobs.
- Indirect Jobs: 1,500 – 3,000 jobs.
- Jobs during the Construction Phase: 800 – 1,200 jobs.

Available Contractual Frameworks

The Ministry of Investment offers investors the possibility of contracting under one of the following models:

- Direct Investment.
- Partnership with the Libyan Private Sector.
- Partnership with the Public Sector.
- Joint Venture (JV).
- Public-Private Partnership (PPP).
- Build-Operate-Transfer (BOT) System.
- Build-Own-Operate (BOO) System.
- Management and Operation Contracts.

Investment Incentives and Advantages

The project enjoys the advantages and exemptions prescribed pursuant to the Investment Promotion Law No. 9 of 2010, foremost among which are:

- Exemption from customs duties on equipment, machinery, and production lines.
- Tax exemptions prescribed for industrial and strategic projects.
- Facilities for the allocation of land plots within industrial zones.
- Freedom to transfer profits and capital in accordance with legislation in force.

- Facilitation of procedures for governmental licenses and approvals.
- Support for projects linked to renewable energy and sustainable development.
- Eligibility to benefit from additional incentives granted to green projects.

Technical and Economic Feasibility Study Services

Should the investor wish to obtain a comprehensive technical, economic, and financial feasibility study for the project in accordance with approved international standards, specialized consultative offices capable of preparing the final studies for the project are available through the Ministry of Investment and its partners. The cost of preparing the final study shall be 1.5% of the total investment value of the project.

Invitation to Invest

The Ministry of Investment hereby invites local and international investors, companies specialized in the renewable energy sector, solar technologies, and electrical equipment manufacturing, investment funds, and financing institutions to participate in this strategic project. This project represents a significant opportunity to localize the solar energy industry in Libya, enhance national energy security, elevate the contribution of the industrial sector to the national economy, and support sustainable development plans and the transition toward a green economy, thereby strengthening Libya's position as a regional hub for renewable energy in North Africa.

MINISTRY OF INVESTMENT -*State of Libya*