



ENERGY

100 MW Residential Solar PV Investment Opportunity

100 MW RESIDENTIAL SOLAR PV INVESTMENT OPPORTUNITY

Energize Every Home: Transform USD 200 Million into the Indian Ocean's Largest Distributed Residential Solar Network

Transform the energy landscape of an entire nation through the Ministry of Tourism and Environment's groundbreaking residential solar initiative. This USD 200 million opportunity enables investors to deploy 100MW of household solar systems across the Maldives, creating the region's most extensive distributed residential energy network while generating sustainable returns through innovative residential energy solutions.

Project Scope & Components

This comprehensive household solar program revolutionizes residential energy consumption through strategic rooftop installations:

- 1. Mass-Scale Residential Solar Deployment :** Installation of 3kW and 5kW solar PV systems on household rooftops nationwide, creating a distributed energy revolution that empowers individual homeowners while building national energy independence.
- 2. Advanced Rooftop Solar Infrastructure :** Implementation of high-efficiency residential solar technology optimized for tropical conditions, ensuring maximum energy generation and long-term system reliability across diverse household configurations.
- 3. Distributed Energy Network Development :** Creation of an intelligent residential energy ecosystem that transforms individual homes into power generation units, contributing to grid stability and national renewable energy objectives.

4. Grid-Connected Revenue Streams

Generate multiple revenue streams through net metering, excess energy sales, and ongoing maintenance contracts with residential customers.

5. Tourism Market Integration

Leverage the Maldives' eco-tourism focus to showcase residential solar success, creating marketing value and potential expansion into resort and commercial markets.

Incentives & Support

- **Market Penetration Leadership:** Establish dominance in the Maldives residential solar market with comprehensive household coverage creating long-term customer relationships.
- **Economies of Scale Advantage:** Achieve maximum cost efficiency through large-scale residential deployment, creating competitive advantages for future projects.
- **Import Duty Savings:** Significant cost reductions through complete exemption from import duties on all solar equipment and installation materials.
- **Recurring Revenue Platform:** Develop ongoing maintenance and monitoring service contracts providing stable long-term income streams beyond initial installations.
- **Technology Showcase Value:** Create a world-class residential solar demonstration that can be marketed to similar island markets and tropical regions globally.
- **Grid Services Monetization:** Generate additional revenue through grid stabilization services and distributed energy resource management as the network expands.

The investment framework and financial structure for the project is as below:

- **Total Investment Opportunity:** USD 200 Million
- **Implementation Timeline:** 2-year development and commissioning period
- **System Specifications:** 3kW and 5kW residential rooftop installations
- **Market Coverage:** Comprehensive household solar penetration nationwide

Why Invest in the Maldives Environment Sector?

Capitalize on the World's Most Concentrated Residential Solar Market Opportunity

- 1. Unique Island Market Dynamic**
Access a concentrated residential market where high electricity costs and abundant sunshine create optimal conditions for solar adoption and attractive payback periods.
- 2. Proven Residential Solar Business Model**
Deploy established rooftop solar technology in a market with guaranteed government support, eliminating regulatory uncertainty and ensuring project success.
- 3. Massive Scale Efficiency Gains**
Achieve unprecedented economies of scale by installing consistent residential systems across an entire nation, maximizing procurement savings and operational efficiency.

How To Engage

The Ministry of Climate Change, Environment and Energy welcomes partnerships with solar technology providers, residential energy specialists, and infrastructure investors capable of executing this comprehensive household transformation program. Interested investors may submit detailed proposals outlining your residential solar expertise, financing capabilities, and nationwide deployment methodology.

Contact: Ministry of Climate Change, Environment and Energy

Email: investmaldives@trade.gov.mv

Phone: +960 3018300

