

PROPOSAL FOR
1 KWp ROOF-TOP SOLAR PV PLANT
UNDER ANERT 10,000 ROOF-TOP POWER
PLANTS PROGRAMME



SOLAR INTEGRATION SYSTEMS INDIA PRIVATE LIMITED

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ANERT 10,000 Rooftop Solar Off-grid Power Plants Program

Agency for Non-Conventional Energy and Rural Technology, Kerala has selected Solar Integration Systems India Private Limited (SOLARSIS) to execute 10,000 solar roof-top power plants Program 2012-2013.

SOLARSIS has been approved by the Ministry of New and Renewable Energy (MNRE) as their channel partner for undertaking off-grid projects. With support of MNRE and ANERT, we offer complete solution to all the registered applicants for the 10,000 solar roof-top power plants Program.

We at **SOLARSIS** integrate our technologies to attain maximum output and maintain highest standards. Few of the system features include

- ***Anti-theft protection***
- ***PV Modules with RFID tags***
- ***High efficiency Solar Power Conditioning Unit***
- ***Energy metering as per MNRE requirements***
- ***Protection as per IEC standards***
- ***Solar Low Maintenance Tubular Battery with 5 year warranty***
- ***25 year power output warranty for modules***
- ***System warranty for 5 years***
- ***Service Warranty for 25 years***

Bill of Materials

S No.	Description	Make and Model	Quantity
1	Solar PV Module with RFID tag	Titan, M6-60 250Wp	4
2	Solar Power Conditioning Unit	Su-Kam/Powertronics, 1KVA	1
3	Solar Low Maintenance Tubular Battery	Exide, 6LMS150L	4
4	Module Structures	Solarsis, Struct-004	1 Set
5	Battery Stand	Solarsis, Struct-050	1 Set
6	DC Junction Box	Solarsis, DCDB	1
7	AC Metering and Distribution Box	Solarsis, ACDB	1
8	Solar grade DC cables	Siechem/Havells/Polycab	10m(as specified by ANERT)
9	Solar grade AC cables	Siechem/Havells/Polycab	10m(as specified by ANERT)

Note: Solarsis provides a 5 year warranty for the entire system and a 25 year output warranty for the modules

PROPOSAL

Cost of the 1KW solar PV system (in INR)	1,92,000/-
Central Financial Assistance-MNRE (in INR)	53,262/-
State Financial Assistance-ANERT (in INR)	39,000/-
Total Subsidy (in INR)	92,262/-
Customer Contribution after Subsidy (in INR)	99,738/-

Terms and Conditions

1. The above price quoted are inclusive of taxes.
2. Operation and Maintenance included for 5 year in the above cost.
3. Scope of work
 - a) Complete SPV system- Procurement, Design of the plant, Installation and Commissioning.
 - b) Power feed-in point –Till the AC junction box located inside the premises.
4. Execution period – 45 days from date of receiving the work order and issuing advance
5. Transportation of the material till the project site is included in the above cost.
6. Payment terms
 - 50 % Advance
 - 50 % on final commissioning

SCOPE OF WORK

➤ **Design&Engineering**

- A. System design
- B. Engineering drawings
- C. Detailed Bill of Materials & Project Report

➤ **Procurement**

- A. Vendor sourcing
- B. Enquiry generation
- C. Ordering & follow up for delivery of materials
- D. Invoice certification

➤ **Electrical Works**

- A. Wiring of Modules
- B. Cabling from modules to Combiner box
- C. Combiner Box assembly
- D. Cabling from Combiner box to Inverter
- E. Cabling from Inverter to AC Distribution box
- F. Earthing
- G. Battery Installation

➤ **Civil Work**

- A. Module structure installation

➤ **InstallationWork–SupervisionAssistance**

- A. Civil work for module mounting structure .

Esteemed beneficiaries who signed agreement with us under ANERT 10,000 Rooftop Solar Off-grid Power Plants Program

Mr. K .SOMAN
General Secretary
Energy Conservation Society of Kerala
Chalakkudy
Trissur
Mob:-9447528068

Mr.RAJIV N.B
General Manager Nissan
Kozihikode
Mob:-9562226677

Prof.JOSEPH JOHN
Rtd Prof Dept of chemistry
Bishop moore college
Mavelikkara
Mob:-9496535907

Mr.ABDUAL RAZACK .K.T
Rtd Engineer FACT
Kochin
Mob:-9446048295

Dr.RAJAN
Superintend of Taluk Hospital
Idukki
Mob:-9400355719

Product Details



PV Module



Solar Low Maintenance Tubular Battery



Power Conditioning Unit



AC Metering Box



DC Junction Box



Before Installation



After Installation






2.25KW Rooftop Solar PV System



3KW Rooftop Solar PV System

List of attachments

✓ Specification and Datasheets & Test Certificates

-  Titan Solar Panel
-  Power Conditioning Unit
-  Exide Battery

For more information

http://www.solarsis.in/services_anert.shtml