



Anand Agencies

Behind income tax office, Tarabai park , Kolhapur-416003

Mob:-9890087805, 8855878825.

Proposal For

135 KW GRID TIED SOLAR PV SYSTEMS



For

**M/S. Kokan Development Agro Producer Company
Limited**

(Mr. Digvijay Patil)

432, Navadi, Tal-Sangameshwar, Dist Ratnagiri, MH, 415611 Mob-9960044744.



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PROPOSAL FOR ON GRID SOLAR PV SYSTEM

Dear Sir,

This has reference to our discussions regarding installation of solar power system and we are glad to see your interest towards it.

We would like to propose you setting up an effective and efficient On-Grid Solar power generating System of **255KW** (with 10 year inverter warranty)

We at **Anand Agencies** would like to introduce ourselves as provider for conservative energy solutions through 'Solar Energy'.

Our aim is to promote and propagate the use of Solar Energy as it is clean, green and environmental friendly energy. Through our work, we see clear opportunities to influence people's thinking and behavior towards energy efficiency and use of natural, sustainable methods of energy production and utilization.

We are associated with renowned & reputed brands to provide world class engineering, technical support, services and highly efficient and quality products to the end users.

We have competent team of professionals and engineers have accomplished many projects on energy efficiency and solar energy systems.

Based on this proposal, We look forward to take this discussion further for the designing, engineering, supplying and commissioning of the project.

With Best Regards,

For **Anand Agencies**

Proprietor



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ABOUT US

Anand Agencies incorporated in year 2000 with a mission to harness most abundant natural energy - Solar Energy. Our endeavour is to and make every individual energy independent. Influence people's thinking and behaviour towards energy efficiency and reduce carbon footprints.

The registered office of the company is at Kolhapur, Maharashtra. We have in the last 16 years installed more than 1200 solar water heaters and other solar gadgets like solar cookers, street lamps, solar home systems etc. Driven by passion and technology we are putting our best efforts towards a cleaner and greener earth.

Recently the Maharashtra Govt. has initiated the "Net Metering Policy" in the state, we have laid out an aggressive road-map to tap this massive potential by focusing on grid tied Solar Systems and help meet the shortfall of power in the State.

We are specialized in system integration and have service capabilities for executing projects ranging from 500 watts to large mega-watt farms in India and abroad. Therefore with our key strengths of cutting edge technology, strategic tie-ups with global leaders in PV technology and an experienced system integration team in place, we today can boast of being one of the top most players in Solar Energy solutions provider in South Maharashtra.

Advantages of Installing Solar PV System

1. Free and Abundant source of energy.
2. One time investment and free energy for next 27 yrs.
3. No need of battery back-up, saving huge cost.
4. Maintenance free.
6. Clean & Green energy.
7. Accelerated depreciation 80% for first year.
8. Hedge against rising electricity cost.
9. Superior returns with low operational cost.



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PROPOSAL OVERVIEW

System Proposed Location: **Ratnagiri.**

Installation of **135kW** Grid Tied Solar Power Systems.

The proposed Solar Photovoltaic Power Plant at.

would utilize vacant area available on the terrace of the building or ground.

The SPV power plant with proposed capacity of **135kW** would be connected to HT side grid. No battery storage has been provided. It would meet partial load of the building during working days and feed the surplus power available to the grid as per Net Metering Policy of the concerned state.

Grid connectivity and metering scheme

The grid interactive rooftop solar system would be installed without battery backup. The company shall be responsible for safe operation, maintenance and rectification of any defect of the rooftop solar system up to the point of Net Meter within the warranty period beyond which the responsibility of safe operation, maintenance and rectification of any defect in the system, including the Net Meter, shall be that of the consumer.

Our Scope Of Work

- System Design.
- Equipment delivery at site.
- Integration of system
- Installation & Commissioning
- Testing of the entire system.
- Installation of Net meter

Client's Scope Of Work

- Availability of shadow free area - **100 sq.ft./Kw**
- Basic facilities support at site during execution as covered storage and security.
- Isolation of designated load.
- Space for inverter nearest to SPV installation.
- Any other supply and installation activity not listed above.



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SALIENT FEATURES

1. Location: **Rantagiri**
State : **Maharashtra**
At Post : Ratnagiri
Latitude : **16.7**
Longitude : **74.2**
2. Area required for SPV Plant : **100 Sq. Ft./Kw**
3. SPV Module (Make Vikram or APS or any approved by MNRE)

Power Modules : **135kW**

PV Module type – **Mono Perc**
Physical Dimensions - Approx. 1956 mm x 992 mm x 40 mm
Electrical Parameter - Vmp 37.2 V, Imp 8.48 A
4. Mounting Arrangement

Mounting Fixed Type
Surface azimuth angle of PV Module 180°
Tilt Angle (slope) of PV Module 17° (As per Latitude)
5. Grid Tied Inverter (Make - any approved by MNRE)

Rated Capacity - **135kW**
Max. DC Input - 1000 VDC
Frequency -50/60 Hz
Efficiency - >98%
6. Estimated Annual Energy Generation **Approx. 4 units Per KW ****
7. Installation Time: **12 - 16 Weeks**

* Note: *The above values are indicative for the location based on the historical (22 Years) radiation data. The actual data may vary depending on the site conditions.*



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