

## **THINGS EVERY INDUSTRY SHOULD CONSIDER BEFORE GOING SOLAR.**

Solar energy has become a most powerful tool these days. The pace at which it is used in households, industries and business is incredible. In fact industries have developed in many aspects by the usage of solar energy.

As we are familiar with the process of using solar energy by converting it and then used by the individuals or households by installing solar panels on rooftops that make it efficient due to its lasting effect and at the same time convenient.

Knowing all the benefits of solar energy one should keep in mind certain points before going solar. They are as follows;

### **1. Estimate your budget.**

Firstly the key factor of using solar energy is that it reduces the usage of electricity in the household.

While installation of solar panels can vary from RS 40,000-6,00,000 depending upon the variety of solar panels.

To install a good and long lasting solar panel one should keep a budget that will help them to install the best one.

### **2. Decide on the type of solar panel**

There are broadly two categories of solar panels

- Monocrystalline
- Polycrystalline

Depending upon the type such as monocrystalline is of higher efficiencies and made of sleek aesthetics but polycrystalline have lower efficiencies making it a disadvantage to use

Monocrystalline have solar cells in black hue while polycrystalline have a bluish hue.

It is recommended that monocrystalline are better but before going solar one should always take two opinions and get the best usage of solar.

### **3. Exposure to sun**

Another key feature while going solar is exposure to sun which means identifying the best position to fit a solar panel. One should place solar panels in the south, east or west in order to get the maximum amount of sunlight. It is also dependent on the orientation of one's home the way the structure is laid. One should assess the shading patterns of one's roof and then make the set up of solar panel possible.

### **4. Solar feasibility of your industry's rooftop.**

Each rooftop is designed in a unique way which in turn presents different challenges for installation process. Having a good expertise and engineering of course using shadow analysis makes it easier. Many old buildings or households might have flat rooftops that makes the installation a difficult task. But it can be done by using some structural solution and then ready to install.

### **5. Knowledge of the solar policy of your state.**

The government of India and the state government of India have laid out specific solar policies including take- on-connectivity approvals, net-metering, Tax benefits and many more.

Proper knowledge of these latest policies help the industries while going solar and is considered to be discussed with any solar partner for maximum benefits. Knowing of these policies impact your decision directly.

### **6. Understanding the grid connectivity.**

Grid connectivity is of both on and off. While going solar one should know about the grid connectivity if the industry because it directly links

you to the type of solar system one should go for. For any industry or building the ideal and beneficial grid system is on grid system. But one should see both the pros and cons of both of them before going solar.

### **7. Warranty details.**

Generally a solar panel lasts upto 25-30years under ordinary circumstances. The purchase made by the industries should be from trusted brands or companies whose solar panels last for a while and not get damaged easily due to any outside difficulties.

### **8. Maintenance of panels.**

Solar panels are simple and reliable which is an advantage in itself because it helps to maintain the output level for lifetime. The maintenance of panels is low and efficient but one should always purchase them keeping in mind their rooftop location.

### **9. Location.**

One of the major factors before going solar. The location of any industry matters because this gives the access to number of panels one requires. As different panels react differently to Shadows some may reduce the output or may shut down entirely. So one should keep this factor in mind before going solar.

### **10. Choosing the right company.**

While buying so many electronic items one goes to the best of the best so the same goes for solar. The terms and conditions are sometimes difficult to understand but one should always look upon good solar companies that will help you understand the basic things also in a very easy and understandable manner.

While keeping these points one can always go solar. Nothing is tough in this world just a little knowledge and expertise can save you from paying long bills.