

# UJAAS

# buzz

Quarterly Publication Vol.: I Issue: 004 April 2018

sun की बात

**INDIA'S NO.1\***  
**ROOFTOP SOLAR COMPANY**

\*On the basis of Net Metering

### JMD'S NOTE



By Mr. Vikalp Mundra

**Hello Friends!!**

**Future is Electric:** I hope you will agree too.

Did you ever notice that how electricity is penetrating in our day to day life? Just think of number of plugs & sockets in a room. Nowadays any number is felt short, as we have many devices to charge on a daily basis.



Today one can have a pure Electric Kitchen replacing even cooking gas; now future is showing that one can even replace Gas (Petrol/Diesel) used for transportation; thanks to E-mobility!!

The Driverless technology will change not only Auto but many industries. Li-Ion Storage will lay the path for this disruption & convergence of IOT (Internet of Things) will make it a superhighway.

The one single umbrella Industry will benefit is Electrical Industry. Hence, we should see many "**Electricorns**" in coming decade as we saw many 'Unicorns' in last decade.

Here we are again with some insightful information on Solar industry in our quarterly newsletter – **Ujaas Buzz - Sun ki Baat**

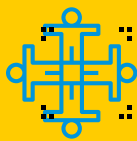


UJAAS  
UPDATES



**Shri Guruprasad Mohapatra**, Chairman, AAI, officially inaugurated the AAI 1.8MWp Solar PV Plant at **Jaipur International Airport** on 09/02/2018.





## THE OBSTACLE IN OUR PATH

In ancient times, a king had his men place a boulder on a roadway. He then hid in the bushes, and watched to see if anyone would move the boulder out of the way. Some of the king's wealthiest merchants and courtiers passed by and simply walked around it.

Many people blamed the King for not keeping the roads clear, but none of them did anything about getting the stone removed.

One day, a peasant came along carrying vegetables. Upon approaching the boulder, the peasant laid down his burden and tried to push the stone out of the way. After much pushing and straining, he finally managed.

After the peasant went back to pick up his vegetables, he noticed a purse lying in the road where the boulder had been. The purse contained many gold coins and note from the King explain that the gold was for the person who removed the boulder from the road.

**Moral of the story:** "Every obstacle that we come across gives us an opportunity to improve our circumstances, and while the lazy complain, others are creating opportunities through their kind hearts, generosity, and willingness to get things done."

### RECENT EVENTS



## CSR ACTIVITY IN SUSNER ON 1ST FEBRUARY 2018

The Corporate Social Responsibility (CSR) activities of Ujaas Energy Limited are guided by its vision and mission. Under CSR activities we aim at improving the education, health and hygiene in rural parts of the nation. Also, to improve the quality of education imparted at government schools of rural India. The company has launched “विज्ञानुजास” wherein the company has setup a mini science lab comprising of science models, board and manuals explaining their working and theories in detail in Shashkiya Utkrasht Uchhatar Madhyamik Vidhyalaya, Susner (M.P.) for students ranging from class 5th to 10th. The students are benefited with the live models, explaining the principles and theories of science. At Ujaas, we believe that a “healthy mind stays in a healthy body”. Hence, along with the mini science lab, the company also distributed equipments for the outdoor sports like Cricket and Badminton as well as indoor games like Carrom.

The Company aims to set up more labs in different schools across all our parks and project sites in the coming months and years.





## DTEA SCHOOL SOLAR PLANT (10 KW) INAUGURATION IN NEW DELHI

Ujaas Energy Ltd successfully installed DTEA School Solar Plant (10 kw) inauguration done by NDMC Electricity Board Chairman in New Delhi on 9th Mar18.



## PROUD MOMENT OF UEL IN INDORE.

Delegates from International Solar Alliance visited the 20KW Solar Power System at Regional Park, Indore which was installed by Ujaas Energy Limited. These delegates were from countries included Zimbabwe, Fiji, Costa Rica, Madagascar, Uganda etc. The delegations have decided to work with MPUVNL for the execution of 7 solar projects. They were happy to see the solar plant and had many queries were answered to their satisfaction.



## 27<sup>TH</sup> INTERNATIONAL MANAGEMENT CONCLAVE INDORE

Ujaas Energy Limited was the Green Sponsor of International Management Conclave (IMA). Mr. Anurag Mundra, shared his views at the conclave. Indore Management Association, is an association of entrepreneurs and professional Ujaas Energy Limited was the Green Sponsor of International Management Conclave (IMA). Mr. Anurag Mundra, shared his views at the conclave. Indore Management Association, is an association of entrepreneurs and professional managers was formed in 1963.



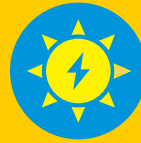
## ELECRAMA 10-14 MAR'18 GREATER NOIDA

Ujaas participated at the biggest showcase of the world of electricity, ELECRAMA which brings together the complete spectrum of solutions that powers the planet. Featuring not just equipment & technology, but peerless thought leadership platforms for everything electric – from technical conferences to industry summits. It was organised by IEEMA and was held at the India Expo Mart, Greater Noida, India, 10-14 MARCH 2018.





INDUSTRY  
UPDATES



## OPPORTUNITY FOR SOLAR ASSET MANAGEMENT

The word opportunity brings about lots of hopes, positive thoughts & new ideas in our mind. Opportunities are short lived, who understand & grab it timely tend to win. Like Sunrise, if you wait too long, you miss it.

Indian Solar industries is at a point after completion of 20 GW of installation where it saw many types of challenges but still every day we come across new challenge. Now after huge installation & next target of 5x up to 2022, its time to focus on Asset management or in simple words Operation & Maintenance.

Electricity is related to country's infrastructure & we should take Solar plants as national asset. As the capacity increase, country dependency on RE will also increase & so as our

cont.



responsibility increases to maintain its reliability for complete tenure i.e. 25 yrs & take maximum output from it.

Every opportunity comes with some challenges. Are we prepared to take these challenges? Do we have enough quality skilled man power? Do we have enough testing laboratories or calibration centers who can provide services at competitive rates? Do we have pro-Solar Electricity boards & long term govt policies to create confidence in investors?

### **First, we come to opportunities which are as below,**

1. As in other service industry, there may be many global & local players in the market to provide solution but looking to longer life, Organized service provider will take a lead. Best example is LIC, where trust leads the marketing.
2. Long term O&M contracts will be win-win situation for plant owner & service provider. It will create trust, mutual coordination & permanent solution in terms of predictive, Preventive & corrective actions.
3. Massive scope for support services like security agencies, IT companies, skill development agencies, Local man power suppliers, companies involved in R&D of various services like cleaning, plant health diagnosis, insurance companies etc.

### **Now, come to the challenges,**

1. RE viability & sustainability depends mainly on govt policies due to its high CAPEX & estimation on RoC as per present policies. Frequent change in policy deter to invest in RE & its govt responsibility to boost confidence in them.
2. Treatment of Discom like a competitor is also creating adverse effect on performance. It is the local authority who needs to take generators along with.
3. Local administration should take RE complaints on RoW & theft on priority & create safe environment to work. Govt can give direction & make some monitoring mechanism in this regard. Theft will be bigger challenge going forward looking to plant area in acres & as modules will be reqd now for Residential & agri solar & other purpose so chances of theft & selling at other places will increase.

**4.** Generation guarantee has been given based on historical data & uncertain weather condition will challenge design estimation. We cannot expect same irradiance throughout tenure of 25 yrs. But any major change will create problem in longer run.

**5.** Major part, around 60% of O&M expenses will be because of salaries & wages & most of it is for unskilled, semi-skilled & skilled labors. Unexpected hike in labor wages creates a big problem in maintaining cash flow.

**6.** Later, it will require safe disposal of scrap modules. We need to think in that direction from today itself.

**7.** Innovation in technology creates challenge in maintaining spares for complete tenure specially for inverter. Today we are talking about 1500 Volts DC voltage which will obsolete existing 1000 Volts system. If we need to replace inverter in due course, then it will require redesigning of complete system due to change in voltage.

Success comes where opportunity meets preparation. It needs commitment, timely & effective services, reporting up to customer satisfaction, technical team training.

Both Discom & service provider can join hands together to make country's vision of Green energy a reality for its complete tenure.

## ACHIEVEMENTS



### UJAAS ENERGY LIMITED

is proud to announce that our JMD

**Mr. Vikalp Mundra**

has been selected as the  
Chairman of ELECRAMA 2020



Our Independent Director

**MR. RAJIVA KUMAR SRIVASTAVA**

won the

**SAURYA VIBHUSHAN AWARD**



LATEST  
BLOG



## INDIA'S NO.1\* ROOFTOP SOLAR COMPANY

Having a rooftop solar system for electricity generation for your house or office is a caring gesture towards mother earth as well as your wallet because the solar systems compensate for their own cost and start making profit in just a few years. The cost of these systems has also fallen significantly.

[Read more...](#)

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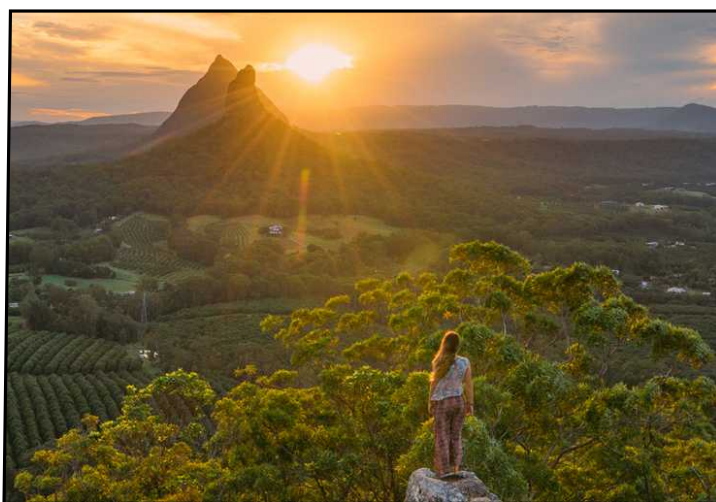


### EMPLOYEE SECTION



## SUN FOR LIFE

Life as we know it would not be possible without the heat and light of the sun. The sun is such a constant, reliable sight that few of us rarely acknowledge its existence. Energy from the sun is very important to the earth. The sun warms our planet, heating the surface, the oceans and the atmosphere. This energy to the atmosphere is one of the primary drivers of our weather.



The sun is the one of the primary reasons that life exists on earth. It has hidden benefits that prove it is a lot more than a gigantic lamp that lights your daily activities. It is a living, breathing organism. Here are some ways in which the sun signifies its role in our lives.

**1. Happiness: SEASONAL Affective Disorder (SAD):** or the winter blues - is a depression specifically caused by lack of sunlight. There have been studies that show that depression occurs in people during the change of seasons. As winter approaches and the earth tilts away from the sun, the days become shorter. This means less sunlight is available for our use. Many people find themselves depressed at this time of year. Sunlight stimulates the pineal gland deep in the brain. This gland regulates our sleep/wake cycles and triggers our bodies to activity or restful sleep.

**2. Food Energy:** Plants have specific organs in their cells that convert sunlight to food energy through a process known as photosynthesis. A plant will capture the sun's rays in a chloroplast through a chemical reaction and this conversion gives plants the ability to supply calories to all life. In this way, sunlight provides the source of food for all life on earth.

**3. Vitamin D:** One of the amazing things sunlight provides for us is Vitamin D. It is absorbed through the skin and converted to a state that the body can use. It usually requires about thirty minutes of sunlight a day to acquire a minimum dose. Vitamin D is important for the creation and maintenance of bones. It is involved in the use of calcium in the body and performs many other important jobs.

**4. Light:** It takes the light of the sun a little over eight minutes to reach us, and still it is only a fraction of the powerful heat generated by our star. Yes, it is the obvious perk of having a sun, but we would have nothing if there was no light. We use it to plant our crops, find shelter from the predators of the night, and to pursue the things we enjoy most.

**5. Precipitation:** The sun evaporates the water off the bodies of water that creates rain and snowfall. The water that is turned to moist air rises into the atmosphere where it is affected by temperature to fall as the precipitation the temperature dictates. In the absence of sun, there would be droughts and most of the world would be a barren desert.

The next time you are outside pull up your sleeves to catch some Vitamin D, hug a plant, and look around at the illuminated world created by our multifunctional sun.

Contributed By:

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