



*Let there be Light*

NEWSLETTER

VOL. III

JULY 2017

**Mr. Jayaram Upadhya**  
Executive Director – Technical  
RenewSys India Pvt. Ltd.



## Director's Message

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Dear Friends,

'Renewable Energy' frontiers in India, especially the solar segment are on an upswing. The Solar Power sector is moving at a fast pace, with our Government targeting 100 Gigawatt capacity by the year 2022.

The future of solar technology in India is bright, but it is facing a double edged sword. On one hand there is the '100 Gigawatt' target, which appears lucrative for domestic manufacturers like us. On the other hand, we have the spectre of dumping looming over us.

Additionally, simply focussing on the rate per unit dropping to a low of INR 2.64 will not help; India needs to protect its domestic manufacturers. Amidst this, the writing on the wall for RenewSys is loud and clear. To survive in the prevailing competitive market place, we will have to work together, and intelligently!

RenewSys too, is making steady progress, with well thought out moves, to ensure that the foundation of our company stands firm and reliable as we scale up. Deft moves and agile strategy are, in my opinion, essential to endure the frenzy and ravages of a fast paced industry like ours. This calls for the establishment of sound processes. We must continually update ourselves and incorporate new technology and innovative & entrepreneurial ideas in our work. At the organisational level, focussing on the ever-changing cost economy, on employee productivity, capacity utilization and continuing to keep new product development as a core interest area will help us overcome the challenges that come our way.

Lastly, my dear senior colleagues, these challenging times call for exemplary leadership, my advice is to guide your teams with sagacity, understanding and empathy. We have had a whole host of reasons to celebrate last year and I'm confident that our committed collaboration towards a common vision will help us surge ahead this year.

# Snippets from Around the Globe

## The Solar Show Africa '17 (South Africa)



**28<sup>th</sup> – 29<sup>th</sup> Mar, 2017 -** South Africa is one of the most attractive emerging markets for solar power. The Solar Show Africa '17 is an annual Exhibition & Conference held in Johannesburg, South Africa. It is aimed at showcasing the leading solutions in solar to prospective customers and raising awareness about the sector as a whole.

## RenewX Hyderabad '17 (India)



**7<sup>th</sup> – 8<sup>th</sup> Apr, 2017 -** India is on its way to becoming one of the largest solar power markets in the world. RenewX Hyderabad '17 explored the regional opportunities. RenewSys has a manufacturing base at Hyderabad and was a key exhibitor at the event.

## 4<sup>th</sup> Solar Africa '17 (Kenya)



**11<sup>th</sup> – 13<sup>th</sup> Apr, 2017 -** Kenya is a lucrative solar market in Africa. Solar power accounts for less than one per cent of the electricity, presenting a huge market for investors as the country switches focus to green energy sources. The 4<sup>th</sup> Solar Africa Exhibition was focused on bringing investors one step closer to manufacturers and suppliers of solar equipment.

## Intersolar Europe '17 (Germany)



**31<sup>st</sup> May – 2<sup>nd</sup> Jun, 2017 -** Intersolar Europe is one of the most prestigious solar events of the world. With the European energy sector's rising demand for quality PV equipment, Indian manufacturers have an excellent growth opportunity. RenewSys was one of the noteworthy Indian manufacturers exhibiting at the event, who benefited from this platform.

## World Environment Day



RenewSys celebrated World Environment Day on June 5, 2017. Our team at the **Bengaluru** manufacturing facility carried a plantation drive in order to commemorate the day.

## Solar Smiles

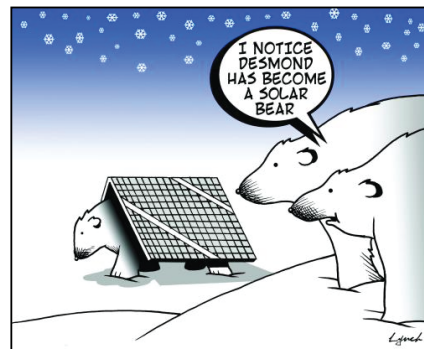


Image Credit:  
Whitewall energy

## Congratulations

**Ms. Hema N S**, D/O of Mr. Nagaraj S S, Security Officer, for excellent performance in SSC.

**Ms. Shivani Jawale**, D/O of Mr. Umesh Jawale, IT Manager, for excellent performance in HSC.

**Ms. Sanika Jawale**, D/O of Mr. Umesh Jawale, IT Manager, for excellent performance in SSC.

**Mr. Simran Aswani**, Executive-Exports, for excellent performance in 1<sup>st</sup> Semester-MBA.

**Srinidhi**, D/O Padmaja Akkinepally for her performance in SSC.

**Kundan Lakshna**, D/O Venkatesham Kundan, for her performance in SSC.

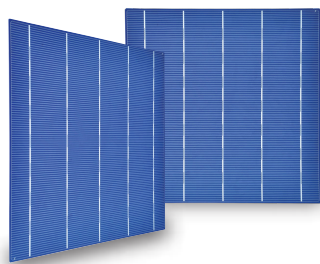
**Shashank**, S/O Ramanarsaiah Arra, for his performance in Intermediate.

**M Dheeraj**, S/O Sreedhar M, for his performance in Intermediate.

**Anudeep Reddy**, S/O Vijaya Somasekhar Reddy N, for his performance in Intermediate.

**Priyanka**, D/O Vijay V Subraveti, for her performance in AP EAMCET & TS EAMCET.

## 5 BB Cell



5 BB Solar PV Cell

**RenewSys** became the first Indian company to launch the production of **five Bus Bar (BB)** Solar Photovoltaic (PV) Cells. The 5 BB cells, part of **RenewSys RESERV®** range of solar PV cells, will be manufactured using world class European PV cell equipment.

Increasing the number of Bus Bars (BBs) in a photovoltaic cell lowers the series resistance and thus increases the current. Eventually, the PV cell power increases, which improves the overall module performance. Apart from the advanced technologies such as PERC, PERT and IBC, increasing the number of Bus Bars, is an attractive technology development to produce solar panels with higher efficiency.

## POE

**RenewSys** has become the **first Indian company** to receive UL approval and commercialize its **Polyolefin Elastomeric (POE) Encapsulant**. This product, available under the brand name '**CONSERV E (POE)**', has been specially developed for use in Glass-to-Glass modules.

The choice of encapsulant film impacts the efficiency of modules. As the front runner in product development, **RenewSys** chose to address the challenges faced by 'Glass-to-Glass' module manufacturers and thus **CONSERV E (POE)** was developed. This encapsulant does not produce corrosive elements like acetic acid, which are generally produced by EVA in Glass-to-Backsheet modules, affecting their efficiency.

On the contrary, POE-based encapsulants exhibit virtually zero **Potential Induced Degradation (PID)**. The encapsulant material resistant to PID helps in reducing power losses in the solar power plants when PV panels with high voltage stress face hot and humid climatic conditions. The above properties of **POE Encapsulant** enable the generation of more electricity, owing to longer service life and gradual linear degradation during its life time.



POE

## RenewSys ISO and OHSAS certified

We are happy to announce that we have received the '**ISO 9001:2015 & OHSAS 18001:2007**' IMS Certification without any Non Conformances for the '**Design, Manufacture and Supply of Crystalline Silicon Solar Photovoltaic (PV) Cells & Modules**' in the audit conducted by **TUV NORD** at our Hyderabad Division.

We would like to congratulate and thank the team for their combined efforts that made this possible.



Auditors from TUV NORD with team RenewSys

## Updates from the Factory Floor - Training

Training on Chemical Safety – RenewSys Bengaluru Division – **2<sup>nd</sup> May '17**

Training on GST - RenewSys Bengaluru Division – **13<sup>th</sup> Jun '17**

Advance Excel Training – RenewSys Bengaluru Division – **5<sup>th</sup> – 6<sup>th</sup> Jun '17**

Work Life Enrichment for Workmen Session I – RenewSys Hyderabad Division – **27<sup>th</sup> Apr '17**

Work Life Enrichment for Workmen Session II – RenewSys Hyderabad Division – **1<sup>st</sup> Jun '17**

1<sup>st</sup> Module on Basic Managerial Skills for Engineer & Above Staff – RenewSys Hyderabad Division – **1<sup>st</sup> Jun '17**



## Other Business News/Announcements

RenewSys won the Solar Cells Manufacturer and Solar Backsheet Company of the Year Awards at **India Solar Week 2017**.

View here:  
[www.renewsysworld.com//Media.html](http://www.renewsysworld.com//Media.html)



Managing Director, **Mr. Avinash Hiranandani** discusses the 'Indian Solar PV Manufacturing' scenario and 'Anti Dumping Duty' with PV Tech magazine.

Read the article here:  
<http://www.renewsysworld.com/About-Us/Press-Release.html>



## First in Solar

A series celebrating landmarks in Solar

The first car powered by solar energy was introduced in the year 1912. **Dr. Charles Alexander Escoffery**, the car's inventor developed and demonstrated the solar – powered car: a **1912 Baker electric** with **10,640 silicon cells** arrayed on the roof that converted sunlight to electricity. According to Escoffery, on a full charge the car could run for 3 hours at the top speed of **20 miles** per hour. This invention came 51 years before the world was introduced to the first Push Button phone, with added extension buttons for office use!



The car was a project of the International Rectifier Corporation to publicise their photocells and although power output of the cells was only **100 W**, it attracted world-wide attention with people believing Gasoline (petrol) would no longer be needed to power their automobiles.



The car was demonstrated in Chicago, New York City, Rome, Copenhagen, Amsterdam and London.

Credit: Blogspot, CNN

## Boosters

"We have been procuring Solar PV Modules from RenewSys India since May 2016, and we are completely satisfied with the performance of the Modules. The RenewSys team is highly responsive with quotes and quick to support our tight schedules with on time deliveries."

- **NORDIC (INDIA) SOLUTIONS PVT. LTD.**

## Contact Us



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