

# SESI Newsletter

A Monthly Newsletter of Solar Energy Society of India

September, 2015

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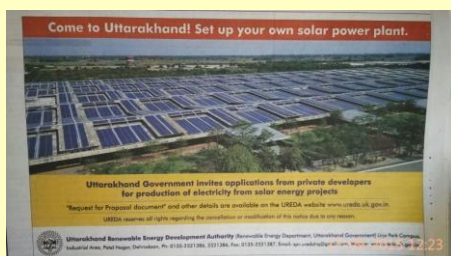
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Designed & Printed by:  
SESI Secretariat



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Disclaimer: The information presented in this newsletter has been gathered from various original and public sources.

## SESI Organizes Round Table Conference to Discuss “Draft Delhi Solar Energy Policy 2015”



A Meeting was called on 26/09/2015 as a Round Table Conference to discuss and debate on the Draft Solar Energy Policy 2015 of Govt. of Delhi so that the points evolved out of the discussions are sent to Govt. of Delhi as suggestion from SESI.

All the members present [Mr. Ajay Prakash Shrivastava, Mr. Rajinder Kumar Kaura, Mr. V.S. Verma, Mr. Prafulla Pathak, Mr. K.K. Gupta, Mr. Inder Singh, Dr. Ranjana Jha and Mr. Ashok Chadda (SESI Member)] deliberated at length on each and every point of the policy and after a thread bear and penetrated conclusion, the following points came up as suggestions to be sent to Delhi Government.

1. Delhi Government should arrange capital by way of reasonable rate
2. Rebate in property tax / house (to incentivize installation of rooftop Solar)
3. Differential tariff for make in India
4. In Net Metering, domestic connection, GIB is to be for 5 years
5. 10 Kw GBI should be capped at 15000 Kwh instead of 1500 Kwh for 5 years
6. GBI should be applicable to DCR only cell & modules incentives
7. Policy lacks clear actions about finances & technical implementation

The detailed recommendations are being made on the above points and will be sent to Govt. of Delhi.

## Solar Icon 2016 “Organising Committee Meeting”



Shri Rajinder Kumar Kaura, Vice President (SESI) & Chairman Solar Icon Organising Committee has been showing keen interest in Solar Icon 2016 and to quickly lay down

milestones and monitor the progress for the success of the Conference, a meeting of Organizing Committee was called on 19<sup>th</sup> September, 2015. All the members of the committee were passionate about Solar iCon 2016 (28-30 January, 2016) and therefore, were focused for the success of the Icon and a time line was framed to meet the deadline.

**President SESI  
Vice President,  
and Secretary  
General  
represents SESI  
in Renewable Energy  
India Expo 2015**



SESI represented itself in the 9th Renewable Energy India Expo 2015 organized by UBM India on 23rd September at India Expo Centre, Greater NOIDA. The Renewable Energy India Expo is an annual event, which is considered to be the epicentre for deliberations on mainstreaming of renewable energy in India. The mega event hosted business matching, workshops, and knowledge based conference sessions.

SESI showcased the huge potential of Solar Energy of India and how it will touch the life of every citizen as it cascades economic benefits to society at large while transforming India as a global contributor to the well being humanity. The President, Vice President and Secretary General, SESI circulated the information about Solar Icon through a letter and also by word of mouth during interactions with eminent delegates from India and abroad. The effort was quite fruitful as a lot many delegates took keen interest in Solar Icon 2016.

**GC Meetings for Approval of Accounts  
of SESI for the FY 2014-15**



The Balance Sheet and financial statement of SESI for the year ending 31<sup>st</sup> March, 2015 have been prepared and audited by a professional auditor namely M/s. Arun Deepak & Company, engaged by SESI in terms of Bye laws 43 of SESI. The financial statements are required to be approved by Governing Council before filing Income Tax Return with Income Tax Department. The GC meeting was called to approve the financial statements.



**Delhi Government is Committed to Making the  
National Capital a Solar City**



To achieve the goal of making the national capital a Solar City, the Delhi government has decided to start the work from Delhi Secretariat itself. Accordingly, Delhi Government in association with Ministry of New & Renewable Energy (MNRE).

Government of India, is setting up a 3 MW ground based Solar Power Plant will at the vacant land of Indraprastha Power Station.

This Solar power plant will be a showcase power plant that will supply power directly to Delhi Secretariat for the next 25 years. This will make Delhi Secretariat, the first State Secretariat of the country running completely on the renewable and green energy making it an environment friendly green building. The work at site has already started.

Delhi Government is also taking up steps to convert Delhi Secretariat into most energy efficient building by adopting various energy efficiency measures.

Delhi Secretariat project is being handled by Solar Energy Corporation of India (SECI). Efforts are to commission 1MW capacity in October itself. *Source: SESI whatsapp group*

**Solar Panels for India's Power Has 40 bn Dolor  
Potential: Expert**

As India moves forward in realizing the target of 100 GW of power generation through solar energy by 2022, around 40 GW is envisaged from rooftop panels, estimated at a market potential of Rs. 2,60,000 crore (\$40 billion), an expert in the field has said.

Referring to the revised target set by Prime Minister Narendra Modi in June for the National Solar Mission, Adarsh Das, CEO and co-founder of SunSource Energy - a US and India-based solar project developer - said the front-runner states for this will be Gujarat, Madhya Pradesh, Andhra Pradesh, Telangana Punjab and Maharashtra.

"The beauty of this is large residential societies and commercial establishments that set up solar projects on their rooftops, can feed the electricity generated to the grid. In the process, while they are able to generate at a very low cost, they get paid around Rs.7 per unit," he said.

**Hindustan Clean Energy to issue bonds for Gujarat  
solar projects**

The clean energy arm of Hindustan Powerprojects Ltd has become the first and largest Indian solar power player to enter the credit enhanced bond market having the issue fully underwritten by Yes Bank Ltd.

With this, the clean energy arm is set to issue secured, rated, listed, and partially guaranteed debentures of Rs. 370 crore on a private placement basis to Yes Bank for three of its AA+ SO rated projects at Porbandar in Gujarat. The successful placement of these credit bonds would help in releasing of long term debt from the books of the developers into bonds thereby aid in infusing financial inflow into the sector, according to a company statement here on Thursday.

These debentures will be listed on the wholesale debt market segment of the National Stock Exchange of India Ltd pursuant to and in accordance with the Securities and Exchange Board of India (Issue and Listing of Debt Securities) Regulations, 2008 (as amended).

**SECI invites bidding for 50MW PV plant in Kerala**



The Solar Energy Corporation of India (SECI) has issued an invitation for bidders to develop a 50MW solar power plant in Kerala.

The tender is for the design, EPC, erection, testing, commissioning and operations and maintenance of the plant over 10 years. The plant will be located at Kasargod Solar park, Ambalathara, Kasargod. SECI has issued the invitation on behalf of the Indian

Renewable Energy Development Agency (IREDA)

## From The Desk of Secretary General

The Solar Policy of Delhi Government in draft format brought in front of the professionals and people in general in the field of Solar Energy to offer their comments. Most of the States in India are coming up with respective State Solar Policy. The Solar Energy field which was mainly mentioned in MW term seems to be now termed in KW terminology. The Roof Solar Policy and Net Metering will bring in Indian middle class or higher middle class to get connected to solar field.



In recent past, SESI Secretariat sensed the enhancement in enquiries' from the stakeholders or by even common people throughout the country intending to enter in the field of Solar Energy.

The "talks on Solar Energy" has moved from conferences, seminars in specialized areas to Roof Tops and part of masses have called SESI Secretariat through phone calls or emails. Earlier 1 to 2% of people were thinking, talking, trying to get in Solar field have raised to 10 to 15% of population.

The more and more people come in the field, more and more are in need of authentic and confident guidance Centers. SESI has been looked in as oldest Society, full of scholars in the field with hands on and rich experience in the field. We have to strengthen this and rise to occasion and make our position more strong. SESI role in guiding the people of India at this juncture is very vital and pivotal.

## India Could Extend NTPC's Payment Security To Solar Power Producers



The National Thermal Power Corporation — India's largest thermal power producer — is responsible for meeting a fourth of the country's base load. Its revenues are protected by a tripartite agreement between the Reserve Bank of India, the Central Government, and the state governments.

Per this agreement, if any state electricity board (SEB) were to default on its dues owed to the National Thermal Power Corporation (NTPC), the respective state risks a deduction from the annual financial support flowing in from the centre. So far, this clause has not been invoked, as the threat of a deduction has ensured timely payments by SEBs, in spite of the fact that the SEBs are weighed down by a cumulative loss of over \$50 billion NTPC's safety net was set to lapse in October 2016. However, the Financial Express has now reported that the deal is set to be extended for another 15 years. As per media reports, the payment security is likely to be extended so as to also protect the solar companies

that sell power to NTPC Vidyut Vitaran Nigam (NVVN) — the power trading arm of the NTPC.

If this happens, the reduced risks due to guaranteed payments would further catalyse competition among solar project developers.

As part of the country's National Solar Mission, the Government of India has approved 15 GW of solar projects which will be routed through the NTPC/NVVN over three phases. In the first phase, 3,000 MW of solar power will be bundled and sold with coal power. Bundling of solar power with coal helps to sell it to the distribution companies, who on account of their poor financial health would otherwise be unwilling to buy the expensive (compared to coal) solar power.

It is estimated that implementation of Tranche-I of this scheme will entail a total investment of over \$3 billion, most of which will come from private investors. The government has also planned for a payment security mechanism in the form of a working capital fund with an estimated corpus of about \$350 million to ensure bankability of power purchase agreements and timely payment to project developers.

Solar tariffs have been falling in India quite spectacularly for some time now. For example in Madhya Pradesh and Telangana. Some experts have however raised questions on the viability of these projects.

## Railways to tap solar power to lower cost

New Delhi: After Prime Minister Narendra Modi unveiled an ambitious Rs 6 lakh crore solar power mission, the country's largest utility Indian Railways is set to make a head start in tapping the new energy source to cut cost and reduce carbon footprint.

Sources told Bloomberg TV India the Railways will invite bids for the first public-private partnership solar power project of 50 MW within a month. "The bid will be worth Rs 300 crore," an official said.

As part of the PPP agreement, the Railways will provide land for the project and buy the power produced from the solar plant. While the solar power may look costly as compared with fossil fuel, it will even out in the coming years. "Railways will pay fixed price for the solar power for 25 years," the official said.

Over a long term, Railways is planning to invest Rs 7,000 crore to ramp up solar power capacity to 1,000 MW. With this, the Railways are looking to cut fuel bill by Rs 100 crore in five years. At present, Railways spend Rs 12,000 crore for buying electricity. Indian Power Sector.com.

## NLC plans to set up 4000 MW Solar Power plants



Neyveli. NLC is planning to establish, 4000 MW Solar Power Projects in Southern States, in line with the National Solar Mission announced by the Government of India, said B Surender Mohan, CMD, NLC, while inaugurating 10 MW Solar Power Project at Neyveli, the 1st Renewable Energy project of the company. NLC has established a 10 MW Solar Photo Volatic project at Neyveli, at a cost of Rs.74.60 Crores. This is the 1st Renewable Energy Project, commissioned by NLC.

## Glimpses of the Events supported by SESI in August – September 2015



8TH EDITION  
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Contact : 011-41403164/65/67/68  
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3<sup>rd</sup> – 6<sup>th</sup> September 2015  
Goa Marriott Resort & Spa, Goa

The Epochal Shift in the Idea of India: Meeting Aspirations?

For more details: Iqbal Kaur +91 9582229844 | iqbal@ippaimail.org | www.ippairetreat.com



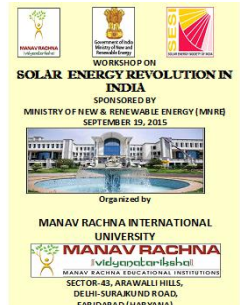
**GURGAON FIRST**  
RECHARGE REFLECT RESOLVE



Date: September 16, 2015

Venue: Lynx 1&2,  
Epicentre, Aparrel House,  
Sector 44, Gurgaon


Time: 9:30 am  
(concluding with lunch)



WORKSHOP ON  
**SOLAR ENERGY REVOLUTION IN INDIA**

SPONSORED BY  
MINISTRY OF NEW & RENEWABLE ENERGY (MNRE)  
SEPTEMBER 19, 2015

Organized by  
MANAV RACHNA INTERNATIONAL UNIVERSITY  
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**Renewable Energy India Expo**  
A UBM Event

23-25 SEPTEMBER, 2015  
India Expo Centre, Greater Noida, India

## New rules for compulsory solar rooftops in 3 months

They entail a marginal increase in overall cost for builders and consumers

The Tamil Nadu government is likely to come up with rules for implementing mandatory solar power installations in high rise buildings and group development projects in the next two to three months.



*on solar energy said a solar power system would entail only a marginal increase in overall costs for Chief Minister Jayalalithaa said in the Assembly on Tuesday that solar power installations would be made compulsory for high rise housing projects.*

### Amendment to regulations

*“We are working on the amendment to the regulations. It will be done in two to three months. We will also work with the Tangedco to work out detailed guidelines and see how much energy can be fed into the grid,” Housing and Urban Development Secretary, Dharmendra Pratap Yadav, told The Hindu .*

*Mr.Yadav said the size of the solar plants, the space available on the roofs and evacuation facility available will be taken into consideration while framing the rules. The planning permission for multi-storeyed and group development projects will make solar power mandatory from the date of amendment to the rules, he said, adding presently there was no plan to retrospectively enforce solar power generation in high rise buildings.*

### An expert builders and consumers.

*“For a Rs.200 crore project, installing a 100 KWh solar plant would entail, may be around Rs.70 lakh. This is miniscule. However, for smaller projects, the cost might be higher and house owners might not get enough savings from solar,” he said.*

*Also, solar power plants in residences generate power only during the day time, when most people won't be at home, he said. “So, there needs to be a mechanism to use that power, for example, a battery back up or a banking arrangement. They can evacuate the power during day time and probably take power from the grid in the evening,” he added.*

### Good option

*Ajit Chordia, President of Confederation of Real Estate Developers Association of India, Chennai, said, “Solar rooftops are a good option and more viable for commercial purposes. When it comes to residential you can only do it at high rise buildings. Technically it is not possible in smaller buildings. Usually third parties are hired to install it and the cost is shared.”*

*Solar power system would entail only a marginal increase in overall costs for builders and consumers, says an expert.*