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VIEW POINT

WEO 2019 and call of energy efficiency professionals

International Energy Agency has brought out the World Energy Outlook (WEO 2019) for the year 2019 last week. This annual study of past present and future energy consumption trends in the context of the climate change risks staring at us give enough clues to the professionals and laymen alike.

The WEO 2019 describes many trends, which warrants the attention of different stakeholders like professionals, policy makers, authorities, professionals and public. As energy efficiency professionals, one or two of them appears to be deserving priority attention from us.

The WEO 2019 goes on to narrate many dark clouds that hover marring our aspirations of sustainable development like, yet to be served millions of our brethren, geopolitical tensions affecting energy security, the unrelenting gap between the required abatement of emissions and actual achievement, the renewable energy falling short of expectations and so on.

The report airs deep concern regarding the slow down in the momentum of energy efficiency improvements. The rate of reduction in energy intensity achieved in 2018, of 1.2% witnessed a drastic reduction to half of rate which was achieved since 2010. The report also recognizes that if you single out one measure which can lead the world towards sustainable development, that is drastic improvements in energy efficiency. Studies put forth that a holistic approach of resource efficiency can achieve an annual rate of three percent improvement of energy intensity. This bestows the energy efficiency professionals many opportunities and at the same time entitles them with a host of responsibilities too.

The responsibilities include expanding the horizons of knowledge and expertise to meet the challenges of tomorrow. These frontiers go beyond pure technicalities of energy handling to energy management tools, understanding of human behaviour, newer tools of data acquisition and interpretation and a clear understanding of the impact our actions are affecting the context. The other side of the coin of these responsibilities are the opportunities that beckon the energy efficiency professionals who rise to the occasion equipping themselves with the required insights to these developments.

Bureau of Energy Efficiency has aptly designed a refresher course for the certified energy professionals giving them a peek into many of the above portends giving the professionals an indication to what is in store for them. SEEM is proud to team up with M/s Green Tree to organize these workshops, countrywide. I appeal to those who are undertaking these courses to build on the inputs from the courses, explore and enhance your potential to usher in a green sustainable world.

Let that be the inspiration, let us give our best shot and be the silver lining amid so many dark clouds of unfinished tasks. Along with renewable energy resource efficiency can lead the way. SEEM as ever dedicate itself to this cause and seek support from all of you.

G Krishnakumar
National General Secretary



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REPORT

KREEPA GREEN POWER EXPO 2019

KREEPA (Kerala Renewable Energy Entrepreneurs and Promoters Association) organized the 4th edition of KREEPA Green Power Expo 2019 during 1-3 November 2019 at Bolgatty Event Centre Kochi, Kerala. The event was conducted in association with MSME, ANERT and EMC. The Expo focused mainly on “Green Energy Ideas for Homes and Business”. The main highlights of the event included technology seminars on ‘Green Energy for Smart Living’ in which national and international speakers participated. The three day event included an exhibition of products and services on new technologies in Renewable Energy. The Expo, which offered a platform for B2B as well as B2C interactions and business opportunities, attracted potential customers and RE service providers.



SEEM EC Member & EP General Secretary Mr. C Jayaraman speaks during KREEPA Green Power Expo 2019.



SEEM Founder General Secretary and Jt. Director-EMC Kerala, Dr. Harikumar, receiving the KREEPA Exhibition Souvenir, released by Hon. MLA Sri.S.Sharma



SEEM National General Secretary Mr. G. Krishnakumar speaks during KREEPA Green Power Expo 2019,



SEEM Kerala Chapter Chairman Mr. C M Varughese speaks during KREEPA Green Power Expo 2019,

The Expo and Seminar was felicitated by dignitaries including Mr. M.M Mani, Electricity Minister, Govt. of Kerala; Mr. Hibi Eden, Member of Parliament, Ernakulam; Mr. S. Sharma, MLA, Vypin; Mrs. Viji Shaji, President, Mulavukadu Panchayat; Mr. Preman Dinarajan, Chairman, KSERC; Dr. B Ashok IAS, Secretary, Power, Govt of Kerala; Mr.K M Daresan Unnithan, Director, EMC ; Mr. P Chandrashekar, G.M, ANERT and other officials from KSERC, MSME, ANERT, EMC, CIAL, KMA, BAI, KEWSA, REES, C-DAC, KETA, etc.

The technical session on Skill Development for O&M of RE equipments was opened by Mr. G Krishnakumar Secretary, SEEM. The technical presentation on “Future of Solar PV Systems for Kerala” was made by Mr. Jayaraman C, Energy Specialist and Co-founder of SEEM.

SEEM General Secretary Mr. G. Krishnakumar (middle) with SEEM Member Mr. Praveen Todkar (on the right) and the new prospective Member Mr. Ravi Paradkar(on the left)



REPORT

Program on "Energy Efficient Technologies & Best Practices in Coir Industry"

One day program on "Energy Efficient Technologies & Best Practices in Coir Industry" was organised by FICCI in association with BEE & EMC at Alappuzha on 30th October 2019. SEEM Member and Energy Expert Mr. Janesh Mohan was one of the Speakers at and had a 30 minute session on the topic "Energy Efficient Technologies & Best Practices in Coir Industry".



SEEM fellow member Mr. Janesh addressing the gathering

Program on "Energy Efficiency Financing"

One day program on "Energy Efficiency Financing" was organised by FICCI in association with BEE & EMC at Kochi on 29th October 2019. SEEM Member and Chief Manager, BPCL Mr. K M Madhu was one of the Speakers and had a 30 minute session on the topic "Energy Efficient Technologies & Best Practices in Coir Industry".



SEEM Member and Chief Manager BPCL Mr. K M Madhu address the gathering

Program in Efficient use of Energy & Electrical Safety in Residence

Energy Management Centre, Kerala in Association with NITCAA, Trivandrum Chapter organised an one day program in Efficient use of Energy & Electrical Safety in Residence on 16th November 2019. SEEM Member Mr. Sudheendran is one of the speakers.



Haryana Govt. awarded SEEM Former President & Member Dr.P.P.Mittal

Haryana Govt awarded SEEM Former President & Member Dr.P.P.Mittal with Rs.3 lakhs and Certificate of Merit as outstanding Entrepreneurship in MSME Service sector for the year 2015-16. Shri. Devender Singh IAS Additional Chief Secretary to Govt of Haryana Industries and Commerce Deptt. gave away the prize on 18th November 2019 at Chandigarh.





NEWS

Haryana power regulator seeks advice

CHANDIGARH: Haryana Electricity Regulation Commission (HERC) has invited various stakeholders to share their comments on draft Single Point Supply Regulations 2019.

The stakeholders can submit their comments before November 28.

Sharing more information in this regard, an official spokesman said HERC chairman D S Dhesi has sought comments/suggestions on the draft regulations from various stakeholders.

He said the single point supply regulations were for the first time notified in 2013. These regulations covered only residential colonies of employers, group housing societies and residential or residential-cum-commercial complexes of developers.



"However, now considering the demand of various consumers, HERC has added various other consumers like commercial complexes, shopping malls, industrial estates, IT parks, universities, hospitals and jail, police and paramilitary establishments in the new draft regulations," the spokesperson said.

He said the draft regulations mandate creation of user's association for taking single point supply connection, which shall perform the function of metering, billing and connection of charges for supply of electricity to the usual consumers. He said the entities were also permitted to install solar PV system of minimum 25% of connected load of contract demand.

Source: <https://energy.economictimes.indiatimes.com/news/power/haryana-power-regulator-seeks-advice/72048477>

84% people in MP paid less than Rs 400 as power bill in September

BHOPAL: Nearly 84% residents of Madhya Pradesh are paying less than Rs 400 as their monthly power bills, thanks to a 'smart subsidy' scheme that encourages low power consumption.

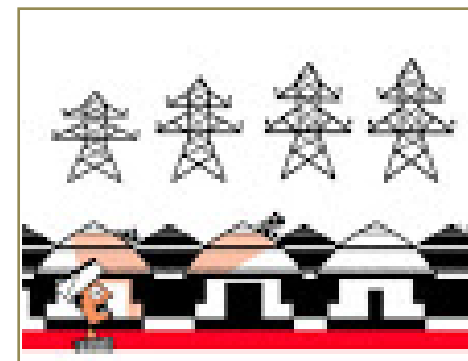
Close to 1 crore consumers are now covered by Indira Griha Jyoti Yojana — under which those who use 150 units of power or less a month pay only Re 1 for the first 100 units, and the rest is billed as per the tariff prescribed by Madhya Pradesh Electricity Regulatory Commission (MPERC). The government reimburses what's left of the dues for the first 100 units. The maximum subsidy a consumer gets is Rs 531 per month in urban areas, and Rs 521 per month in villages.

It has translated into big savings in a state that has one of the highest power tariffs in the country. The scheme has, however, drained the coffers of Rs 350 crore in the first month of implementation. At this scale, it will cost the government Rs 4,000 crore a year.

The erstwhile BJP government had rolled out two power schemes in June-July 2018 — one for waiver of dues and the other, named Saral Bijli Bill Scheme, for providing power at a flat rate of Rs 200 per month to unorganized sector workers. Both came into effect six months ahead of the assembly polls. With a change of guard in the state, the Congress government announced in the first week of February that it would fulfill its poll promise by cutting power bills by 50% and that beneficiaries will need to pay only Rs 100 for 100 units of power. If they exceed 100 units, consumers will have to bear the rest of the cost, it said.

A couple of weeks later, the government changed the rules and said that beneficiaries will get power at Rs 100 for 100 units and for consumption above 100 units, they will need to pay a maximum of Rs 200. In September this year, the scheme was again changed to include "anyone who consumes less than 150 units of power".

As per data available with TOI, in the first month of the scheme, 84% consumers of the state — or a whopping 97.42 lakh of them — benefited from the scheme. Thus, eight out of 10 power consumers of MP paid a maximum bill of Rs 395 only. Those who used less than 150 units, paid even less.



Sources said that earlier, several high-end consumers — even those using over 500 units of power per month — enrolled themselves as labourers of the unorganized sector to avail of the scheme meant for the

poor, say sources. The capping at 150 units has now reduced such misuse to negligible limits, but it has increased financial implications. Earlier, the burden of subsidy was around Rs 180 crore a month, now it is Rs 350 crore.



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Asked about this, additional chief secretary-energy Mohammad Suleman said, "It's just the first month of implementation of the scheme and the results are positive. Actual evaluation of the scheme could only be done after some time. Exact costs cannot be evaluated in a month's time. For instance, there was prolonged monsoon this time, reducing consumption of power and making more people eligible for benefits."

<https://energy.economictimes.indiatimes.com/news/power/84-people-in-mp-paid-less-than-rs-400-as-power-bill-in-september/72038779>

Adani Green Energy Q2 profit at Rs 102 crore

New Delhi: Adani Green Energy on Wednesday posted a consolidated net profit of Rs 102 crore for the September quarter of 2019-20.

The company reported a loss of Rs 188 crore in the year-ago period, a BSE filing said.

Total income rose to Rs 711.96 crore in the second quarter from Rs 458.89 crore a year ago.

"Adani Green Energy continues to expand and invest in the renewables spectrum following the government's mission to be the world's largest renewable energy expansion programme of 175GW till 2022. The company will continue to provide reliable, sustainable, round the clock green power for India's growing power demands and needs," Chairman Gautam Adani said in a statement.

CEO Jayant Parimal said the company commissioned 450 MW of new renewable capacity in April-September of this fiscal, taking total operational portfolio to 2.4 GW.

"With a further 2.9 GW currently under construction, we will reach 5.3 GW capacity progressively over the next 2 years, contributing to the renewable energy targets of the country," Parimal added.

Shares of Adani Green were trading at Rs 96 per scrip, up 2.56 per cent, on the BSE.

Source: <https://energy.economictimes.indiatimes.com/news/renewable/britains-renewable-electricity-capacity-overtakes-fossil-fuels/66526089>



As Delhi chokes, power plants are set to miss emissions deadline

New Delhi: Ten coal-fired power plants near New Delhi are poised to miss a December deadline to install pollution control devices that would have curbed premature deaths linked to toxic emissions.

Eight of the plants, whose operators include Vedanta Ltd., Larsen & Toubro Ltd. and Uttar Pradesh Power Corp., have yet to order the required flue-gas desulfurization units, according to the Central Electricity Authority. The units can take as long as three years to secure and install, and it's unclear if the operators will be penalized by authorities if they miss the deadline.

Air pollution levels in India's capital reached near record levels this month, forcing schools to shut and keeping residents indoors. If the emissions standards were implemented nationwide, India could avoid more than 3,00,000 premature deaths through 2030, according to a study by the Bengaluru-based Center for Study of Science, Technology & Policy.

"Non-compliance will come at the cost of human health," said Sunil Dahiya, an analyst at Greenpeace India.

Indian power producers are under financial stress and having difficulty securing financing for the units that can



cost as much as Rs one crore per megawatt, according to M.S. Unnikrishnan, the chief executive officer at Thermax Ltd., which installs the devices. Officials from Vedanta, Larsen & Toubro, Uttar Pradesh Power and the other generators poised to miss the deadlines, didn't respond to queries seeking comment.

The "monetized health benefits" outweigh the costs of installing the pollution control devices within the first few years, according to the CSTEP report. India's power and environment ministries didn't respond to requests for comment.

The air quality index, or AQI, was at 599 at some areas in New Delhi at 11:52 a.m. on Monday after breaching 1,000 earlier this month, according to website AirVisual, which monitors air pollution around the world. Readings above 300 are considered hazardous and anything below 50 is the safe level.



NEWS

Coal-fired plants are one of the major sources of air pollution in the country, along with other factors such as emissions from vehicles, construction dust and burning of farm stubble. Flue-gas desulfurization units can reduce sulfur dioxide emissions.

India's environment ministry first issued guidelines to thermal power plants in December 2015 to reduce emissions. But after the industry raised concerns over cost of the equipment and other issues, the deadline was extended by as long as five years until Dec. 2022.

<https://energy.economictimes.indiatimes.com/news/power/as-delhi-chokes-power-plants-are-set-to-miss-emissions-deadline/72004104>

TERI offers to find ways to provide cheap energy in AP

Vijayawada: The Energy Resource Institute (TERI) has offered to conduct a study to find ways to provide affordable power supply to key sectors like agriculture and industries in AP.

Speaking at international conference, International Symposium to Promote Innovation and Research in Energy Efficiency (INSPIRE 2019), Mumbai, TERI director general Ajay Mathur said they would examine ways to provide low-cost solar power to discoms at a rate of around Rs 3 per unit to supply agriculture pump sets if the state government was keen and it is subject to APERC approval.

On other hand, Energy Efficiency Services Ltd (EESL) will examine the proposal to take up replacement of old rural water pump sets with energy efficient pump sets without any financial burden on AP government. The EESL MD said it would look into the proposal of taking up this project if government agrees to the business model.

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<https://energy.economictimes.indiatimes.com/news/renewable/teri-offers-to-find-ways-to-provide-cheap-energy-in-ap/72031839>

UP: Domestic consumers can clear power dues in installments

BAREILLY/MEERUT: Domestic power consumers can now pay pending electricity bills in easy installments in 12 and 24 months depending on whether they live in urban or rural areas.

Under the scheme, launched on Monday by Uttar Pradesh Power Corporation Limited (UPPCL), domestic power consumers in urban areas with a load up to 4kw will be able to pay their dues in 12 months while all domestic users in rural areas can clear their dues in 24 months.

To avail the benefit, consumers will have to complete their registration by December 31.

UP energy minister Shrikant Sharma, while tweeting about the scheme through his official Twitter handle, said, "The scheme has been introduced to tackle the problem of electricity dues which is a major issue in the state. Consumers will initially have to pay 5% of the dues or minimum Rs 1,500 as first installment with the regular October bill."

Speaking with TOI in Bareilly, Madhyanchal Vidyut Vitran Nigam Limited (MVVNL) executive engineer Ranjeet Chaudhry said, "Through the scheme, LMV-1 category power consumers (domestic light, fan and power), domestic power consumers in urban areas (having a load of up to 4 KW) and all rural consumers can avail of the scheme by simply paying 5% of the dues or minimum Rs 1,500 as first installment with their regular October bill. Domestic consumers of rural areas will have the benefit to pay entire dues in 24 monthly installments and during the period, penalty on the dues till October 31 will be waived."

Launching the scheme in Meerut, Paschimanchal Vidyut Vitaran Nigam Limited (PVVNL) MD Arvind Mallappa Bangari said, "It is mandatory to pay the particular month's bill along with minimum Rs 1,500 out of the total pending dues. However, if a person misses paying that particular month's electricity bill, he/she will have to pay two months' bill and two instalments in the next months or else he will not be counted as beneficiary of the scheme and his registration will be cancelled."

Source: <https://energy.economictimes.indiatimes.com/news/renewable/feature-power-ahoy-floating-solar-panels-buoy-access-to-clean-energy-in-asia/66519218>





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5.	Student Membership	Rs. 500	Rs. 500	Rs. 1180

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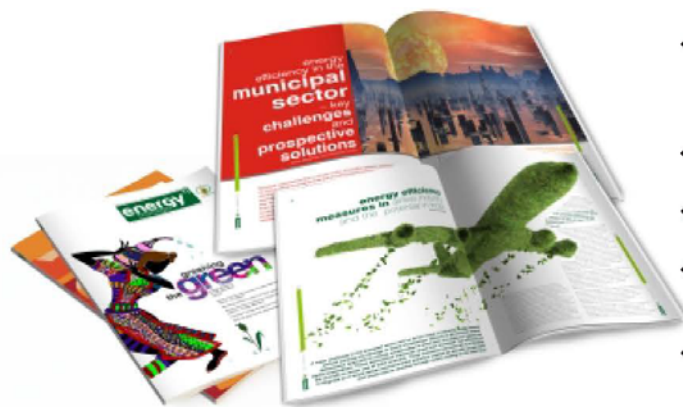
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