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seem NEWS

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society of
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and managers

VIEW POINT

New year greetings to all!

The tidings in the New Year seem to augur well right now. Vaccinations against the COVID pandemic are underway. The new US President Joe Biden has restored America's commitment to Paris Treaty. These important steps give a boost to the economic recovery and sentiments of the green enthusiasts.

The emission gap analysis report brought out by UNEP, late last year, was not at all comforting. In 2019 the GHG emissions continued to rise in the third consecutive year.

Due to COVID, a reduction of about 7% in carbon emissions is expected in 2020. But as non CO2 GHG emissions are not that much affected because of COVID, a lesser reduction is expected in non CO2 GHG emissions. We can not draw any solace from COVID induced reductions as their contribution, towards required reductions by 2030, are not going to be significant. But if the nations seize it as an opportunity and steer the post COVID recovery through serious decarbonization programs, with renewed emission targets, then it can hold high hopes to reach Paris targets by 2030.

Some nations have already taken up this challenge and are framing policies and firm commitments to reach net zero emissions by mid century. Notable examples are Japan, UK, France and some other countries of European Union. More countries are seen declaring intentions to legislate to this effect. This is a definite welcome sign. Such measures, along with US now reiterating its commitment to green cause, give us enough reason to be sanguine about the future.

G20 members are expected to overachieve their modest 2020 Cancun Pledges, but that is not enough to match their collective NDC goals, which again raises concern.

In nutshell, the current NDC targets seem seriously inadequate to reach the climate goals of Paris Agreement. So, the situation calls for more concerted efforts with higher targets by most of the nations to reach closer to Paris goals.

The emissions due to international aviation and shipping, which are presently not addressed in the NDCs of the nations, also need to be considered as these emissions contribute about 5% of total GHG emissions.

The UNEP gap report advocates life style changes supporting the less emissions. This can be brought about by a combination of measures in policy, awareness and social and cultural interventions.

Thus the new year poses challenges and keeps hopes at the same time. The energy and resource efficiency professionals will have many opportunities if these concerns are driven by renewed action. Let us hope that such action shall lead us to a more reasonable scenario where we are closer to net zero state.

G KrishnakumarImmediate Past National General Secretary &
Chief Operating Officer

CONTENTS

SEEM in association with GT Academy announces Online Crash Course for BEE National Certification Exam.

Webinar on "Power Quality Challenges and Opportunities" held on 09th January 2021

SEEM Tamil Nadu chapter meeting held on 8th Jan 2021

SEEM Odisha Chapter formed on 10th January 2021

Webinar on "Benefits of ISO 50001 implementation"

SEEM Member got Special Certificate as part of Kerala State Akshaya Energy Awards 2019 by ANERT

Zypp plans 5k battery swapping stations in 100 cities in 3 years

SCR commissions 106km-long electric traction railway line

Power demand touches all-time high of 185.82 GW, says Secretary S N Sahai

Budget 2021-22: Decentralized Renewable Energy sector is the key for clean energy

World's largest single-site solar power plant in Abu Dhabi

Madhya Pradesh sets up maximum solar pumps under government scheme: Minister

31st Annual State Faculty Convention of ISTE Kerala Section

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Brought out by Energy Press for Society of Energy Engineers and Managers
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REPORT

SEEM in association with GT Academy announces Online Crash Course for BEE National Certification Exam.

SEEM in association with GT Academy proudly announces the launch of online Interactive Crash Course for BEE EA/EM Exam 2021 for Energy professionals to get certified as energy auditor/manager by BEE. Classes to start on 7th February 2021.



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Who should apply:

- Architects / Engineers/ Science Post Graduates who want to get certified as Energy Professionals from Govt. of India
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REPORT

Webinar on “Power Quality Challenges and Opportunities” held on 09th January 2021

Society of Energy Engineers and Managers, Karnataka Chapter conducted a webinar on “Power Quality Challenges and Opportunities” on 09th January 2021 at 07:30pm to 08:30pm.

The takeaways are:

1. Common power Quality issues, causes and remedial measures
2. Relate the common problems with respect to the respective production processes

**SOCIETY OF
ENERGY ENGINEERS AND MANAGERS
Karnataka Chapter**



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www.seemindia.org

Society of Energy Engineers and Managers, Karnataka Chapter welcomes you to join a webinar on “**Power Quality Challenges and Opportunities**”



January 09, 2021



Time 7.30 pm – 8.30 pm IST

Power Quality issues are on the rise and creating havoc in electrical networks. Unless detected in time and remedial actions are taken, such issues like harmonics, transients, voltage fluctuations etc. can lead to dramatic situations like break downs, production losses, equipment failures, asset management issues, energy wastages etc. At the same time, if remedial measures are taken, majority of the issues can be taken care off and can lead to energy and monetary savings.

This webinar gives understanding of common power quality issues in Electrical Network, its impacts, remedies. Relate the common problems with respect to the respective production processes

Presenter



Abraham Varughese - Energy Management Professional with more than 30 years experience in energy audit, EMS, Power Quality and training. He is an accredited Energy auditor by BEE. Worked with PHD Chamber of commerce and Industries, Conzerv Systems and Schneider Electric India.

He carried out more than 750 detailed energy audits in India and abroad.

Registration Link <https://forms.gle/AW2zUk89S1yjdWTu6>

For any Support:

Benet George, Secretary, SEEM Karnataka Chapter
+91 9611800893, seemkarnataka@gmail.com

SEEM Tamil Nadu chapter meeting held on 8th Jan 2021

SEEM Tamil Nadu chapter meeting held on 8th Jan 2021. Around 20 Members were participated in the Meeting and discussed on various activities of the Chapter. Also discussed the role of the Chapter in the growth of SEEM, bringing more Memberships from Chapter, conducting Seminars/Programs, Contributing Articles/Case Studies to the Magazine Energy Manager, Finding more industries for participating in SEEM National Energy Management Awards etc.

SEEM Odisha Chapter formed on 10th January 2021

SEEM Odisha Chapter formed on 10th January 2021 with a mission to provide energy related services in the state of Odisha. The existing members of the SEEM Sri Ashit Kumar Ray, invited the electrical engineers and energy professionals and had a detailed discussion on the various activities of the SEEM. The following power professionals have attended the meeting:

- | | |
|----------------------------|--------------------------|
| 1. Sri Deba Prasad Das | 5. Sri Golak Bihari Sahu |
| 2. Sri Surendra Kumar Rout | 6. Sri Bibhu Prasad Dash |
| 3. Sri Durga Prasad Mishra | 7. Sri Ashit Kumar Ray |
| 4. Sri Lingaraj Behera | |

During this pandemic situation, some of the members were unable to attend the meeting. Following members have been selected as office bearers for the Year 2021-22 of SEEM Odisha Chapter:



Sri Durga Prasad Mishra
Vice Chairman



Sri Deba Prasad Das
Chairman



Sri Ashit Kumar Ray
Secretary

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REPORT



Sri Surendra Kumar Rout,
Jt. Secretary



Sri Golak Bihari Sahu
Treasurer

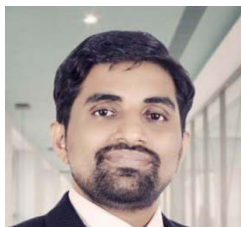
The meeting ended with the vote of thanks by Sri Lingaraj Behera



During the meeting

SEEM Member got Special Certificate as part of Kerala State Akshaya Energy Awards 2019 by ANERT

Congratulations to Dr. Nikhil P G for securing Special Certificate as part of Kerala State Akshaya Energy Awards 2019 by ANERT for 'Individual' contribution to Renewable Energy Sector. Dr. Nikhil P G is a Life Member of SEEM.



Webinar on “Benefits of ISO 50001 implementation”



SEEM Tamil Nadu Chapter organised a webinar on “Benefits of ISO 50001 implementation” on 23rd January 2021, at 07:30pm.

Topics:-

Introduction to ISO HL Standards
Clausewise Illustration
Implementation Challenges and Benefits
Documentation Requirements
Integration with other ISO Standards
Experience Sharing

Key takeaways:-

1. Understanding the structure of ISO 50001
2. Benefits of implementation of the standard
3. Integrating ISO 50001 with other standard

Presenter



S. Giritharan, M.com., M.B.A., Dip.in Salesmanship - BEST RESOURCES - Proprietor
Management System Consulting & Training

Certifications:

- a) Lead Auditor in ISO 9001/14001/45001/50001/27001/13485
- b) Sig Sigma Black Belt
- c) Certification in Information Security and Audit.

Experience:

- Formally and Professionally Trained as a Trainer by Junior Chamber International.
- Conducted more than 300 programs on various topics such as Personality Development, Training, TQH etc.,
- Started his company in 2006 and has more than 30 International & National clients.

Joining Link: <https://us02web.zoom.us/j/8128332934?pwd=RVU1OUhqWG5VcG1KOTkMRkR1T2FIQT09>

Meeting ID: 812 8332 9347
Passcode: SEEMTN

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NEWS

Zypp plans 5k battery swapping stations in 100 cities in 3 years

startup Zypp plans to set up 5,000 battery swapping stations for two-wheelers and three-wheelers across the nation over the next three years. The last-mile delivery company, now operational in six cities, has set up 50 battery swapping stations across Delhi NCR, and Jaipur.

In 2021 the company will expand to 30 cities including Mumbai, Pune, Hyderabad, Chennai, Bengaluru, Chandigarh, Lucknow, Meerut, Indore, Bhopal and several other Tier-2 cities, said Akash Gupta, co-founder and CEO of Zypp Electric.

In 2021 the company will expand to 30 cities including Mumbai, Pune, Hyderabad, Chennai, From 30 cities, we plan to expand to 100 cities in the next three years," he said.

The Gurugram-based startup will be investing INR 50 crore over the defined time in setting up these stations. A two-wheeler battery swapping and charging station will cost INR1 lakh to the company, Gupta said.

The company, which works with 350 business-to-business (B2B) merchants to carry out last-mile deliveries for them, currently has about 1,000 electric scooters on its platform.

"We've got 1,000 electric scooters, and we are growing quite rapidly into expanding this to 10,000 over the next 12-14 months. In terms of growth, the business has grown almost 6X compared to pre-COVID-19 period both in terms of revenue and number of shipments that we deliver," Gupta said.

On an average, the riders who usually spend INR 300 to INR 500 on fuel, can rent the e-scooter for INR 109 per day to INR 3,600 per month. On one charge the electric scooter can go up to 75 km, and the rider can swap the battery at INR 10 from the swapping station. It has partnered with DMRC and local authorities for the parking of e-scooters.

Source: <https://energy.economictimes.indiatimes.com/news/power/zypp-plans-5k-battery-swapping-stations-in-100-cities-in-3-years/80397668>



SCR commissions 106km-long electric traction railway line

Vijayawada: South Central Railway (SCR) completed and commissioned 106km-long electric traction of the railway line between Vijayawada-Uppaluru-Bhimavaram sections under Vijayawada railway division on Thursday.

According to railway officials, the newly-commissioned electrified section includes single line with electric traction from Vijayawada to Uppaluru for a length of 18 kilometres and double line with electric traction from Uppaluru to Bhimavaram town for a length of 88 kilometres. The total length of electric traction in terms of track kilometres in the section is 226 kilometres.

The electrification project is expected to significantly strengthen rail transport infrastructure for seamless movement of freight and passenger traffic. The new double rail line is expected to save energy and reduce fuel expenditure and reduce carbon footprint.

The railway safety commissioner inspected the electric traction between Vijayawada-Uppaluru single line and the double line section between Uppaluru-Bhimavaram town recently before authorising the zone to run passenger and freight trains on the section.

Source: <https://energy.economictimes.indiatimes.com/news/power/scr-commissions-106km-long-electric-traction-railway-line/80397541>



Photograph showing view of Arch across river (13.12.2019)



NEWS

Power demand touches all-time high of 185.82 GW, says Secretary S N Sahai



New Delhi: All-India power demand on Wednesday morning touched a record high of 185.82 gigawatts (GW), said Power Secretary S N Sahai.

"Power demand continues to surge. Yet another record - all India demand : 185.82 GW ie 185, 822 MW at 09:35hrs today ie 20/01/21. It has crossed previous all India demand of 182.89 GW i.e. 182, 888 MW on 30th December, 2020", Sahai said in a tweet.

On December 30, 2020, all-India power demand had touched 182.89 GW.

According to data from the power ministry, the peak power demand met (the highest supply in a day) during January last year stood at 170.97 GW.

The rising power demand shows perk up in economic activities leading to higher commercial and industrial demand which was affected due to the coronavirus pandemic.

The government had imposed a nationwide lockdown on March 25, 2020 to contain the spread of COVID-19.

Peak power demand met recorded negative growth from April to August last year, due to the pandemic.

Power demand started declining from April as economic activities were disrupted in the country due to COVID-19. The pandemic had affected power demand for five months in a row from April to August 2020.

The power demand recovered from September 2020 onwards. Peak power demand met grew at 1.7 per cent in September, 3.4 per cent in October, 3.5 per cent in November and 7.3 per cent in December.

Source: <https://energy.economictimes.indiatimes.com/news/power/power-demand-touches-all-time-high-of-185-82-gw-says-secretary-s-n-sahai/80363844>

Budget 2021-22: Decentralized Renewable Energy sector is the key for clean energy

New Delhi: The Union Budget 2021-22 is going to be presented at a critical time in India's history where the country, along with the rest of the world, is reeling under the economic and healthcare crisis caused by the COVID-19 pandemic. As Finance Minister Nirmala Sitharaman aptly described a few days ago, this Budget is expected to be a never-seen-before one.

The power sector is a critical facilitator of all economic activities and business operations. As the countdown for the Union Budget 2021-22 begins, the sector will be expecting increased financial and policy support to enhance access to reliable, clean, and sustainable energy for the last mile. Rural India has availed increased socio-economic opportunities because of the access to reliable electricity. This can be further strengthened if India, building on its past achievements, focusses strategically on mitigating energy poverty to create a resilient and sustainable socio-economic model.

In the absence of reliable grid-connected power in rural areas, alternative and localized energy models or Decentralized Renewable Energy (DRE) such as mini-grids have played a crucial role in addressing energy needs of people, especially that of the micro-enterprises that often get left out under the larger grid narrative. However, despite the contributions that the DRE sector has made it is still awaiting its due in terms of policy and financial support. The time is opportune for the sector to highlight its expectations and initiate relevant conversations recognising its criticality in achieving India's SDG 2030 targets.

The Budget could focus on the following areas:

Easy Access to Capital: The Energy Service Providers often find it difficult to raise enough capital for their day-to-day operations, despite being a major enabler for last mile energy supply. In India, despite there being enough credit lines such as MFIs, NBFCs and commercial banks available for renewable energy projects, investor sentiments are grim. The Reserve Bank of India has also added renewable projects to its priority lending category. The COVID-19 pandemic has further aggravated the situation where in recent months, the sector has witnessed a major dip in demand for electricity, leading to a fall in their revenues.

The Union Budget 2021-22 could create relevant provisions to address the situation by providing for increased strategic fund allocation, availability of cheap capital and means of integration with DISCOMs. This will in turn improve the investor sentiment towards the sector, attract patient capital and thus, advance the government's continued efforts to provide reliable, clean, and sustainable power to the rural communities.

Policy and Regulatory Support: An enabling policy environment that promotes and recognizes DRE sector, will help in complementing the grid-based energy supply model and advance the

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NEWS

government's rural electrification efforts. The existing State and Central government policies and regulations need to be streamlined into a more cohesive and unified structure to ensure support for DRE projects.

DRE sector holds immense potential to help meet India's growing energy needs, especially for millions of rural households and enterprises. For example, under the Atmanirbhar Bharat initiative, the central government has taken steps to encourage domestic manufacturing of solar cells and modules. While this is expected to result in an increased demand for domestic solar cells, a clearly-defined roadmap backed by strong policies will help the industry benefit from the initiative and further, encourage local manufacturing and reduce India's dependence on imports.

Improved Customer Focus: A customer-centric approach is critical to ensure the financial viability of DREs and generate adequate demand for power among rural communities. The government has already recognized the need for increased focus on customers and their rights. This is expected to serve the twin purpose of addressing the consumer grievances in a time-bound manner and helping power distributors improve the quality of power delivery. A customer-centric approach will not only improve the service provider's financial performance but will also lead to enhanced service delivery, power reliability and demand.

The Union Budget 2021-22 needs to set apart resources to raise awareness among existing and prospective power consumers to create adequate demand. An increase in power demand and productive use will gradually help rural communities improve the standard of living and create better economic opportunities.

As the Sustainable Development Goals (SDG) 2030 stare at us, it is imperative that we make the best use of the abundant renewable energy sources available in the country to provide access to reliable, sustainable and clean power for all.



Source:

<https://energy.economictimes.indiatimes.com/news/renewable/budget-2021-22-decentralized-renewable-energy-sector-is-the-key-for-clean-energy/80401293>

World's largest single-site solar power plant in Abu Dhabi

Abu Dhabi: An hour's drive southeast of Abu Dhabi is the world's largest single-site solar plant. Located at Sweihan in Abu Dhabi, Noor Abu Dhabi (which means 'light' in Arabic) features 3.2 million solar panels. The clean, renewable energy produced here will power the daily lives of 90,000 families in the emirate.



A video released on Wednesday by Abu Dhabi Media Office offers a stunning look at the plant that will eventually replace existing conventional gas-fired power plants, the Khaleej Times reported.

With the capacity to reduce Abu Dhabi's Co2 emissions by one million tonne, the plant will be looking at an environmental impact equivalent to taking 2,00,000 cars off the roads.

The UAE is diversifying its energy mix and aiming to meet 44 per cent of its needs through clean energy by 2050.

"It's actually interesting to have a solar power plant in a country that's rich with oil and natural resources like gas," said an official associated with the project. "Solar energy is the future and that's how we see it," he said.

In July last year, Abu Dhabi announced the construction of yet another solar power plant intended to surpass the Noor Abu Dhabi project.

Source: <https://energy.economictimes.indiatimes.com/news/renewable/worlds-largest-single-site-solar-power-plant-in-abu-dhabi/80378200>



NEWS

Madhya Pradesh sets up maximum solar pumps under government scheme: Minister

BHOPAL: Madhya Pradesh has set up largest number of solar pumps in the country under the Pradhan Mantri Garib Kalyan Rojgar Abhiyan, state New and Renewable Energy Minister Hardeep Singh Dang said on Wednesday.

The scheme was launched by the central government last year for providing employment to migrant labourers who came back to their native places during COVID-19 lockdown, he said.

"A total of 3,224 solar pumps were set up against the target of 3,490 in 24 districts of the state to achieve 92.4 per cent success under the scheme, which is maximum in the country," an official release quoting Dang said.

Under the scheme, migrant labourers in 116 districts of six states Madhya Pradesh, Rajasthan, Uttar Pradesh, Bihar, Odisha and Jharkhand - were identified for providing them employment.

In MP, 24 districts were included in the scheme, under which setting up of solar pumps, construction of community toilets, anganwadis, wells, rural mandis, domestic animal sheds, panchayat buildings and tree plantation activities were taken up for providing jobs to migrant labourers, Dang said.

Source: <https://energy.economictimes.indiatimes.com/news/renewable/madhya-pradesh-sets-up-maximum-solar-pumps-under-government-scheme-minister/80378183>

Attractive LNG prices to boost India's plan on gas-based economy

New Delhi: India's efforts to build a gas based economy is set to get a boost from the falling spot LNG prices that had skyrocketed to over \$30/mmbtu (from \$2 a few months ago on the back of the winter demand and supply constraints).

According to an estimate made by Emkay Global Financial Services, Asian spot LNG prices have started cooling off now with the latest deals happening at sub-\$ 10 level for March delivery.

This should consolidate at \$ 5-6/mmbtu due to seasonality and resolution of supply issues, offering higher volumes for the Indian LNG players, the brokerage said in its report.

Indian spot LNG demand (20 per cent of consumption) is likely to be affected in January and February months but, thereafter supplies are expected to recover on the back of sub \$ 10/mmBtu prices. This should also better avenues for entries such as GSPL, PLNG.

Indian deals (for spot LNG) have happened at the rate of up to \$ 14-15/mmbtu recently. Out of 95mmscmd of Indian RLNG demand, 50-55mmscmd is long term, 10-15mmscmd is short term and remaining 30mmscmd is spot.



Source:

<https://energy.economictimes.indiatimes.com/news/renewable/madhya-pradesh-sets-up-maximum-solar-pumps-under-government-scheme-minister/80378183>

31st Annual State Faculty Convention of ISTE Kerala Section

Mr. G Krishnakumar, Former General Secretary, SEEM is a speaker of 31st Annual State Faculty Convention ISTE Kerala Section



31st ANNUAL STATE FACULTY CONVENTION OF ISTE KERALA SECTION

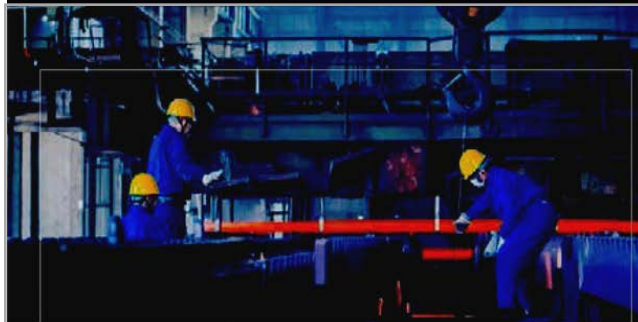


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NEWS

SEEM NATIONAL ENERGY MANAGEMENT AWARDS 2020



Inspiring Energy Efficiency

Instituted in 2014, SEEM National Energy Management Awards recognize and support best efforts taken by various sectors for improving energy efficiency, thereby supporting India's journey towards climate change mitigation and sustainable development

SEEM National Executive Council invites applications for the prestigious SNEMA 2020

Unlike other awards, SNEMA do not focus on the percentage of energy saving achieved during the assessment year. Instead, systematic actions towards sustainable energy performance are considered for recognition. This approach ensures that assessment does not get skewed based on production levels.

Who Can Apply?

Applications are sought for the following categories

Individuals

- Certified Energy Manager
- Certified Energy Auditor

Award Category Best Performance Awards

Applications in the category of individuals should be made separately irrespective of the application submitted by organisations in the other categories

ENCON Promoters

- Energy Service Companies
- NGOs
- Government agencies
- Registered trusts
- Energy audit firms etc.

Award Category Best Performance Awards

Who Can Apply?

Production, Manufacturing & Service Sector

INDUSTRIES

- | | |
|------------------------|------------------|
| • Aluminium | • Cement |
| • Chlor Alkali | • Pharma |
| • Fertilizers | • Petrochemicals |
| • Steel | • Chemicals |
| • Textile | • Glass |
| • Automobile | • Tea |
| • Consumer goods | • Tyre |
| • Food processing | • All others |
| • Pulp & paper | |
| • Refinery | |
| • Sponge iron | |
| • Thermal power plants | |

Award Category Silver / Gold / Platinum

Any industry / facility can apply in this category irrespective of size / service / product

Who Can Apply?

Production, Manufacturing & Service Sector

FACILITIES

- Banking
- Airlines
- Railways
- IT/ITES
- Hotels
- Hospitals
- Malls
- Educational Institutions
- Business Centers
- Prints/Visual Media etc.

Award Category Silver / Gold / Platinum

Any industry / facility can apply in this category irrespective of size / service / product

Corporate Houses

- All Corporate or business houses in manufacturing / Services sectors

Award Category Best Performance Awards

SEEM NATIONAL ENERGY MANAGEMENT AWARDS 2020

Please **CLICK HERE** to register



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SEEM NATIONAL ENERGY MANAGEMENT AWARDS 2020

How to Apply

To apply for the awards please register in the pre-registration link for the 1st Level Assessment.

🔗 <https://forms.gle/SNEMA2020>

After PRE-REGISTRATION FOR 1st LEVEL ASSESSMENT, selected participants will be asked to submit the details for evaluation and a Unique Identification Code (UIC) will be issued

Upon receipt of the UID participants can submit all relevant documents along with application fee.

Fee

Corporate Houses	Rs. 30,000	+18% GST
Industries & Facilities	Rs. 12500	+18% GST
ENCON Promoters/ Energy Audit Firms	Rs. 5,000	+18% GST
Individuals	Rs. 2,000*	+18% GST

* 50% special discount in individual category for SEEM members

Application will be considered as complete only when the application form along with mandatory enclosures and fee are received at National award secretariat



Ms. Saranya Mohan

Coordinator - SNEMA 2020

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✉ awards@seemindia.org

Society of Energy Engineers and Managers
National Award Secretariat - SNEMA 2020
Dr. Azad, General Secretary
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🌐 www.seemindia.org

How to Apply

Mode of Payment

- Online payment through our website
🔗 <https://rzp.io/l/seem-payment>
- NEFT / RTGS Transfer to

Acc. Name : Society of Energy Engineers and Managers

Bank Name : State Bank of India

Branch Name : Kannammoola

A/c No. : 37048528759

IFSC Code. : SBIN0008293

Branch Code : 8293

Processing of Applications

- Processing of the applications will be start Soon
- Applications will be reviewed by a jury comprised of eminent experts in the Indian Energy Sector.
- Clarifications / Validations by the jury could be part of the review process.

All queries can mailed to :

✉ awards@seemindia.org

addressing Mr. Jayakumar Nair (Chairman - SNEMA & Vice president-SEEM - SEEM)



SNEMA Highlights

<https://youtu.be/rcxKpwgjiyw>



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SEEM NATIONAL ENERGY MANAGEMENT AWARDS 2020

Society of Energy Engineers and Managers (SEEM) is a national network of energy professionals in India, established in 2005 as a not-for-profit society to support and inspire the cause of energy efficiency in various sectors. SEEM network is spread across 22 Indian states with 15 chapters and 7 units, and more than 800 members. Since its inception, SEEM has been carrying forward its objective through international, national and state level programs, publications including exclusive technical magazine "energy manager", monthly e-newsletter "SEEM News", and other initiatives.

SEEM proposes to organize its 6th edition of SEEM National Energy Management Awards 2020 Ceremony in New Delhi during September 2020

The award ceremony will be attended by about **500-600 energy auditors and managers** from across the country, representatives from large/small industries and government agencies like SDAs, DCs and other working energy professionals from various industries.

This event is being held as part of the efforts to encourage and motivate Certified Energy Auditors, Certified Energy Managers, Energy audit firms, Industries and facilities who have made remarkable initiatives to promote energy conservation in Indian organizations during the year 2019 - 2020

SEEM India is organizing a training cum exposition program in tandem with the National Energy Management Awards Ceremony to familiarize genuine service/equipment system providers to an interested group of energy industry professionals. It is a felt need assessed by energy auditing fraternity that many genuine energy saving equipments, services and measurement devices and monitoring systems still remain unexposed to a large sections of energy professionals who still grope in dark or play into hands of black sheep.

We will be giving opportunity to 15-20 selected Energy Efficient Equipment /Energy Monitoring Equipment/ Energy Service provider during this function to present their product after an initial scrutiny of experts. Those who are willing to undergo this process of endorsement will be given an opportunity to show case their product through various Forums of SEEM (Such as Print Magazine, Web, Monthly news letter etc.) other than the venue where presence of more than 300 experts are assured, at a very reasonable cost.

SNEMA Highlights

<https://youtu.be/rcxKpwwgiiyw>

We request you to be a part of the SEEM National Energy Management Award function by availing various sponsorship options as per the details given in the website and register.

We are keen to work out best option for your organisation, once we receive your preference at the earliest as to how you would like to exploit this opportunity. For leveraging branding, sponsorship and exhibition opportunities, write to awards@seemindia.org or call at 9446067607 / 0471-2557607.

For more details and register for sponsorship please click the link

<http://seemindia.org/sponsorship/>





SEEM Individual Memberships Fee & Benefits

Sl.No	Membership Category	Membership Fee	Annual Fee	Total Amount (Including tax)
1.	Annual Membership / Annual Associate Membership	Rs. 2500	Rs. 500	Rs. 3540
2.	Annual Fellowship	Rs. 3000	Rs. 1000	Rs. 4720
3.	Life Membership	Rs. 6750	Not Applicable	Rs. 7965
4.	Life Fellowship	Rs. 12,000	Not Applicable	Rs. 14160
5.	Student Membership	Rs. 500	Rs. 500	Rs. 1180

Who can join SEEM?

- BEE Certified Energy Auditor
- BEE Certified Energy Manager
- Engineers working in energy related field holding a position of high responsibility with minimum 20 years experience
- Any Degree/ Diploma holders working in the field of Energy Efficiency/ Energy Conservation/ Renewable Energy for the last two years
- Engineering students and students who would like to do research or undertake projects in the energy sector

Benefits to Members

- Opportunities to get your case studies published in SEEM print magazine "Energy Manager"
- Opportunities to publicize your efficiency initiatives in the monthly e-newsletter SEEM News
- Speaking / Presentation opportunities at various forums
- Opportunities to constructively participate in various discussions in the energy sector
- Opportunities to become a SEEM Trainer / Expert Faculty
- Opportunities to become a SEEM Mentor for Student Chapters
- Leadership and participation opportunities in various SEEM programmes
- Networking opportunities with many energy professionals from across the country
- Knowledge enhancement platform in the energy sector
- Right to cast vote at the SEEM Annual General body Meeting
- All communications, which includes: notices about meetings, invitation to events, announcements about the SEEM activities.
- Priority to participate in funded projects carried out by SEEM in the energy sector, on the terms and conditions appropriate to such projects
- Support for addressing relevant grievances

- An opportunity for cross-fertilization of ideas with access to lessons learnt by others

Discounts available to SEEM Members:

- Upto 50% discount on registration fee for seminars / workshops and other training events conducted by SEEM.
- Opportunity to attend workshops and trainings by third parties at special rates offered to SEEM Members
- A discount of 50% on priced publications brought out by SEEM
- Upto 50% discount on applications to SEEM National Energy Management Awards every year
- Discounts on any other programmes/ products or services offered by SEEM

Your membership kit includes:

- SEEM membership ID card
- SEEM Membership Certificate
- Subscription to SEEM print magazine Energy Manager
- Subscription to monthly e-newsletter SEEM News

Membership Categories & Eligibility

Category	Eligibility
Member	Energy Manager / Energy Auditor certified by Bureau of Energy Efficiency
Associate Member	Any diploma / degree holder who is working in the field of energy efficiency/conservation/ renewables for the last two years.
Fellow	Engineers working in energy related field holding a 'position of high responsibility' with minimum 20 years experience and who have been certified as Energy Managers or Energy Auditors by the Bureau of Energy Efficiency, Ministry of Power.
Honorary Fellow	Persons who are qualified to be Fellows invited to join SEEM as Honorary Fellows, subject to the approval of the Executive Council.
Student Member	Engineering students or students who would like to do research or undertake projects/studies in energy related fields.



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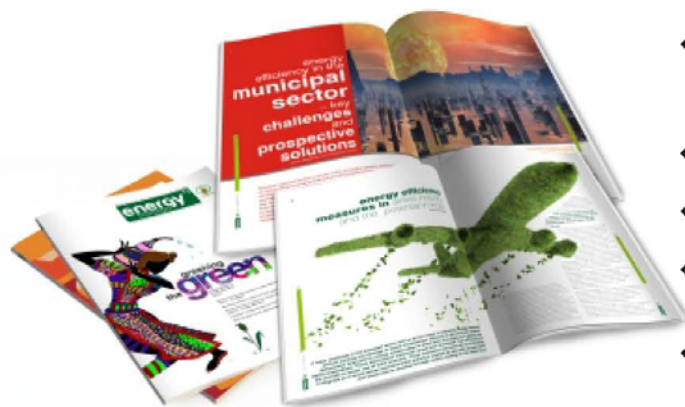
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Subscription Price

Term	Issues	Individuals		Institutions		Special Offer rate
		INR	USD	INR	USD	INR
1 year	4	1000	45	1500	70	500
3 years	12	2500	115	4000	180	1250



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- ♦ energyⁿ manager is the only magazine in India that exclusively focuses on energy efficiency
- ♦ The right blend of high quality articles that appeal to the industry and academia, presented in a layout of exceptional standards
- ♦ Cover feature in each issue focus on one most appropriate contemporary topic on energy efficiency
- ♦ Guest editorial by renowned domain experts
- ♦ Articles contributed by leading personalities in the energy sector
- ♦ Published since January 2008 and circulated in print to more than 5000 readers
- ♦ Brought out by Energy Press, the publishing wing of the Society of Energy Engineers and Managers (SEEM), India

Readership Profile

- ♦ Accredited ESCOs & Energy Consultants
- ♦ Certified Energy Professionals
- ♦ Consultants, Planners and Architects
- ♦ Distributors and Marketing Agencies
- ♦ EE & RE Equipment Manufacturers
- ♦ Energy Intensive Industries (DCs)
- ♦ Engineering & Technical Institutions
- ♦ International Organizations
- ♦ Political & Executive decision makers
- ♦ Policy Bodies, NGOs

Editorial Profile

- ♦ Energy management
- ♦ Energy audit
- ♦ Energy financing
- ♦ Research and Innovation
- ♦ Best practices
- ♦ Case Studies
- ♦ Renewable energy
- ♦ Sustainable Living
- ♦ Global focus
- ♦ Focus India
- ♦ Events, and others

DATA

Title: energyⁿ manager
Language: English
Pages: 64, 213 GSM
Frequency: Quarterly
Print: Four Colour, 8" X 11"
Circulation: 5000
Market: International


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Options	Size	Published rate (Rs.)	Special discounted rates
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