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seem NEWS

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society of
energy engineers
and managers



VIEW POINT

The pandemic had its effect on SEEM too. Our office had to remain closed for months during lockdown and thereafter due to declaration of containment zones. We had to suspend the publication of SEEM News. We are re starting with this issue.

SEEM was active even during these days. In June our National AGM took place on video conferencing and National Office bearers took charge under the leadership of Mr. MC Jain as President and Dr. Azad as General Secretary. The new team is introduced in this issue. The State chapters have started conducting their AGMs and electing new leadership teams.

The new national leaders of SEEM have made strategic decisions to take SEEM forward. The significant step mooted is to increase the reach of SEEM in the stake holder segments of Industry, academia, equipment manufacturers and Government. The state chapters are being revamped to realize this renewed focus of reaching out with specific responsibilities to the office bearers. A new style is being planned for our prestigious magazine 'energy manager'

COVID pandemic has brought in several detriments to business and the same has given rise to another set of opportunities too. SEEM also is gearing up to the new set of opportunities and will seek to continue to be relevant in these trying times. Alongside will continue our strides to be contributing significantly to the Nation's efforts to bounce forward to a clean future. Every forum in energy screams now that post COVID development have to be essentially an energy prudent one. This thought puts onerous responsibilities on energy professionals and at the same time opens up vistas of opportunity. SEEM calls upon all professionals to be alive to this moment of action and rise to the occasion and serve our historic role in taking the country forward.

Thus, with technology, new skills and approach we can improve the reach of energy efficiency and thus energy productivity. Only when emissions get reduced in such a scenario along with GDP growth, we can pat ourselves that we are rendering our ordained responsibility.

G Krishnakumar

Immediate Past National General Secretary
& Chief Operating Officer



CONTENTS

SEEM Annual General Body Meeting 2020

Mr. P P Mittal SEEM Past President has been selected for international Award Energy Manager of the Year by AEE

SEEM KERALA Chapter AGM on August 22, 2020

Dr. R Harikumar Assumed the position of Director-in Charge at Energy Management Centre Kerala

Mr. M C Jain President SEEM has been selected for International Award Energy Innovator of the Year

Webinar on the topic 'Industrial Electrification'.

SEEM Karnataka Chapter AGM on September 4, 2020

Online preparatory Assistance for BEE Exam for CEA/CEMs

SEEM Member Mr. Koshy John elevated for the post of Chief Electrical Engineer at PWD Kerala

SEEM Tamil Nadu Chapter AGM on September 6, 2020

SEEM Andhra Pradesh Chapter AGM on September 9th, 2020

Webinar on "ISO 50001 Energy Management Systems"

Panel Discussion on "Water – Energy Nexus"

Free Webinar on the topic on "Emerging Career Opportunities in Energy Management"

Employability Skill Certificate Course - Infra 4.0 for Fresh and Budding Engineers

NEWS

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Adviser for Asia, ADEME

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G Krishnakumar
Immediate Past National General
Secretary & Chief Operating
Officer - SEEM

SEEM Executive Council

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Mr. Mool Chand Jain

Vice- President

Mr. R. Jayakumar

General Secretary

Dr. C. S. Azad

Joint Secretary

Mr. Sunil Choudhary

Treasurer

Mr. Alpesh Pandya

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www.seemindia.org



REPORT

SEEM Annual General Body Meeting 2020

Web meeting. Dtd 28/06/2020

The AGM of Society of Energy Engineers and Managers (SEEM) was held as web meeting on 28th June. Sixty-two members attended the meeting representing all states of the country.

The President Mr. U V K Rao welcomed the audience and made the Presidential address. He highlighted the yeomen services SEEM is rendering in the energy domain. He exhorted to have operations outside India as well. He remembered the founders of SEEM and their vision with respect and gratitude.

General Secretary G Krishnakumar recollected the goals he had set for 2020 on behalf of the Executive Council. On the membership front against a target of 2020 by 2020, the membership was bang on target, including 815 professional members and 1205 student members. Another goal was to leave the treasury with Rs. 20 L for the new EC to plan for higher projects. Achievement was only a bit more than Rs.10 lakhs. On tie ups against 4 in India 2 were achieved and against 2, International tie ups targeted, only one was achieved. However on fronts of targets in magazine subscription, and ensuring a regular income source for SEEM, he admitted failure. The various events and projects carried out during last three years were already circulated to all members. General Secretary touched upon the salient projects.

Treasurer had already circulated the final accounts figures- balance sheet and income and expenditure statement. Summarising same, he explained the latest situation as of the day that against a liability of Rs. 9.00 Lakhs, bills receivable, Rs.4.5 Lakhs and bank deposits of Rs. 16.0 Lakhs. He emphasised the need of a strong executive set up to back the elected leadership to enable financial and functional success of projects of SEEM and to ensure financial sustainability of SEEM. He recollected that the first two and a half years of this EC's tenure, we did not have a Chief Operating Officer and how he persuaded General Secretary to act in dual role at the compensation approved by the executive council. He underlined the necessity of the need of the strong executive set up citing the recovery made in the financial situation towards end of the term.

The president now invited the Returning Officer and Founder Member of SEEM Mr. A P Jose to announce the outcome of election notices and the process. Mr. AP Jose explained that in absence of any nominations, the present Executive Council was asked to present a panel of new EC for AGM's approval as per convention. He read out the following names as given by present EC

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Mr. Alpesh Pandey	- Gujarat
Dr. C S. Azad	- Uttar Pradesh
Mr. Benet George	- Karnataka
Prof. Bhowmick Sapan	- North East
Mr. Gyanendra Saxena	- Madhya Pradesh
Mr. C. Jayaraman	- Energy press
Mr. Jayakumar	- SNEMA
Mr. Jayesh Darji	- Gujarat
Mr. S. Kannan	- T.N
Mr. M C Jain	- Chattisgarh
Dr. Pradeep Gupta	- Delhi
Mr. Satvinder Singh Mann	- Delhi
Mr. Sunil Choudhary	- Rajasthan
Ms. Apurva Gadre	- Goa
Mr. Varughese CM	- Kerala
Mr. UVK Rao	- Immediate Past President
Mr. G Krishnakumar	- Immediate Past General Secretary

The secretary's report, treasurer's statements and the new EC panel was put for vote.

All three polled huge majority. Among members present, all 52 exercised their votes. Only in the case of financial statement, two dissenting votes were observed.

Upon the approval of the new EC by the AGM, the incumbent President requested the new EC to declare the new Office Bearers and requested to take charge.

Accordingly, new team with Mr. MC Jain as President introduced the new team

Accordingly, new team with Mr. MC Jain as President introduced the new team



PRESIDENT

Mr. Mool Chand Jain
Managing Director
MCJ Energy Engineers (P) Ltd.
Address: 244, Chouhan Estate,
G.E. Road Supela,
Bhilai-490023 (C.G.)



VICE PRESIDENT

Mr. R. Jayakumar
Sustenergy Foundation,
277-N Pathinaruparayil
Arcade Chalukunnu
Kottayam 01, Kerala



GENERAL SECRETARY

Dr. C. S. Azad
Chartered Engineer and
Consultant
Ex P&T BWS (Electrical), Govt
of India, Ghaziabad



JOINT SECRETARY

Mr. Sunil Choudhary
Asst. Engineer,
Jodhpur DISCOM

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REPORT

**TREASURER**

Mr. Alpesh Pandya
Aatman Corporation, Shyadri
Bungalow Nr Vaibhav Hall;
N.H.No:8, Isanpur, Ahmedabad

**IMMEDIATE PAST PRESIDENT**

Mr. U V K Rao
Chief Executive & Director
UVK Susnomics Engineering Pvt. Ltd.

**IMMEDIATE PAST GENERAL
SECRETARY & CHIEF
OPERATING OFFICER**

Mr. G Krishnakumar
Consultant
International Copper Association
India

The outgoing President invited the new office bearers to address the gathering.

Dr. Azad thanked all for the confidence reposed on him. He recollected his long association with SEEM and the various roles he had successfully served during this tenure. He sought the support of all members and the EC to play his role effectively.

As for the future plans, he promised to discuss with the new team in detail and inform. He emphasised the need for a business like approach and quarterly reviews for the successful conduct of SEEM in days to come.

Mr. MC Jain recollected his earlier tenure as President and vowed to devote still more quality time to SEEM to oversee the growth of the organization. He also requested for cooperation from all members, previous and present EC.

Both the new President and Secretary stressed the need to rejuvenate the chapters and chapters taking up activities to strengthen SEEM.

The Treasurer, Mr. Alpesh Pandya stressed the necessity of cost control for efficiency in executing the projects.

The new Joint Secretary Mr. Sunil Chowdhary and Vice President Mr. Jayakumar also addressed the members.

During the open session ensued and during other occasions, members had aired their views. Mr. Jayaraman former General Secretary, presently representing Energy Press as its General Secretary and the Editor of the SEEM quarterly magazine, the publication arm of SEEM explained that Energy Press has been producing this quarterly magazine since 2018. The present subscription of the magazine is 183 only out of which SEEM members are only 80. At present there is a MoU signed by SEEM with the French Govt. Agency ADEME to bring out 8 issues of the magazine. ADEME offered partial support for distributing the magazine to 500 new potential subscribers. The ADEME support and the subscription charges received are insufficient to bring out adequate number of print copies of the magazine as the advertisements are scarce and hence personal loans are sourced and some of the payments are deferred creating liabilities. He explained about the financially precarious situation the

publishing wing is now facing. He informed that in the last AGM of Energy Press it was decided to inform SEEM that it may not be viable for Energy Press to publish the magazine as a separate entity and in view of this a formal request from the part of Energy Press will be given to SEEM to take over the operations including the determined liabilities. Mr Jayaraman assured that he will ensure that the next two issue of the magazine will be brought out under his editorship to honour the commitments given by SEEM to ADEME and wished to relinquish editorship after completing it. He also wished to record gratitude to the services of Mr Madhusoodhanan K, Dr Brahmanand Mohanty and Dr K K Sasi for their dedicated efforts and scholarly contributions and thanked all EP members, editorial and advisory committee members for their support in bringing out the magazine without interruption.

Mr. Krishnakumar explained the genesis to the larger audience not familiar with the matter that Energy Press was created to handle the publications and to insulate SEEM and its members from the potential losses a printed magazine could make. Being a flag ship product of SEEM, he requested cooperation from members to continue the magazine and with changes if necessary to increase its popular appeal and readership. Mr. Jayakumar, new Vice President and immediate past Treasurer explained the explicit loans due from Energy Press and requested for formal request for future action.

All members expressed their wishes for success to the new team. A brief formal vote of thanks was rendered by Mr. Krishnakumar, thanking all members, previous EC, new EC and also M/s Green Tree and specially Mr. Dhaval in helping to conduct the meeting seamlessly. President Mr. M C Jain thanked everyone and closed the meeting.

Mr. P P Mittal SEEM Past President has been selected for international Award Energy Manager of the Year by AEE

Congratulations to Mr. P P Mittal our past president has been selected for international Award Energy Manager of the Year by AEE (Association of Energy Engineers Atlanta USA). The Award will be presented on 22 September 2020 at AEE world Energy Confidence and Expo at the Colorado Convention Centre in Denver co. This award is for Asia Subcontinent Region





REPORT

SEEM KERALA Chapter AGM on August 22, 2020

The AGM of SEEM Kerala Chapter was held as web meeting on 22nd August. Thirty seven members attended the meeting representing the state.

The Treasurer Mr. P K Sivavandan welcomed the audience. The Chairman Mr. C M Varughese made the Presidential address. Inaugural Address was made by Er. Jayakumar R, SEEM National Vice President.

Treasurer Mr. P K Sivavandan presented the Annual Report and Accounts 2019-20. Student Chapter Activities were presented by Co-ordinators of SEEM Student Chapters.

A new Executive Committee was engaged by Kerala chapter AGM on 22nd August. The Committee has selected the following office bearers.

Chairman:	Dr. E Mohammed Shereef
Vice-Chairman – Industry & North Region:	Mr. Vijayakumaran KM
Vice-Chairman – Academics:	Mr. Mohandas TV
Vice-Chairman – EEE Manufacturers & Central Region:	Mr. Shanavaz KM
Treasurer:	Mr. Ahammed Kabeer TA
Secretary:	Mr. Azeem K
Joint Secretary – EEE Manufacturers & North Region:	Mr. Janesh NM
Joint Secretary – Industry & Central Region:	Mr. George Varghese
Joint Secretary – Policy and Government & South Region:	Mr. Aneesh Rajendran
Joint Secretary – Academics:	Mr. Richu Zachariah

They are free to expand their team by inviting other SEEM members for specific programs. All teams shall strive to make presence of SEEM felt in the concerned area. Broad scope of each area can be summarised as below.

The Committee solicits wholehearted co-operation, involvement and support of all members to make SEEM more vibrant and relevant to the energy community and society at large.

The concerned Vice Chairman and Joint Secretary together shall draw up a plan for effective intervention in the identified functional area.

Dr. R Harikumar Assumed the position of Director-in Charge at Energy Management Centre Kerala

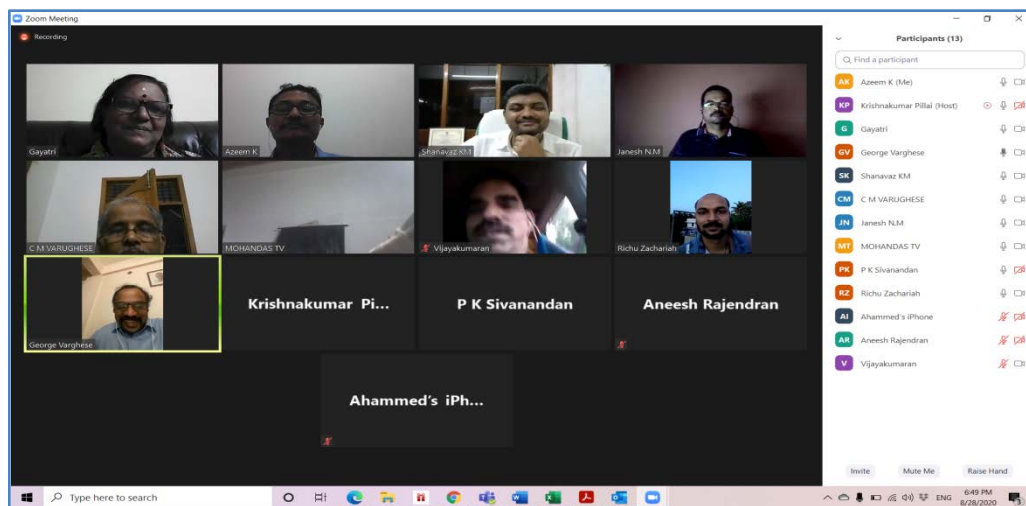


Congratulations Dr. R Harikumar on Assuming the position of Director-in Charge at Energy Management Centre Kerala the State Designated Agency of Bureau of Energy Efficiency. We respectfully remember and are proud that Dr. R. Harikumar was the founder General Secretary of SEEM.

Mr. M C Jain our President has been selected for International Award Energy Innovator of the Year



Congratulations to Mr. M C Jain our President has been selected for International Award Energy Innovator of the Year by AEE (Association of Energy Engineers Atlanta USA). The Award will be presented on 22 September at 2020 AEE World Energy Confidence and Expo at the Colorado Convention Centre in Denver co. This award is for Asia Subcontinent Region.



Sl. No	Area	Scope
1	Industry	Interact with industry, identify areas where industry expect more programs, capacity building initiatives
2	Academics	Expand student chapter network, identify areas where SEEM can help students develop professionally, promote Affiliate program for graduating students
3	Policy and Government	Improve networking with various governmental agencies including those working in climate change, sustainability, industry and related regulatory affairs
4	EE Equipment Manufacturers	Identify EE Equipment dealers and manufacturers in the state and build knowledge sharing platform

The Committee solicits wholehearted co-operation, involvement and support of all members to make SEEM more vibrant and relevant to the energy community and society at large. Er. Azeem K, EC Member presented the vote of thanks.



REPORT

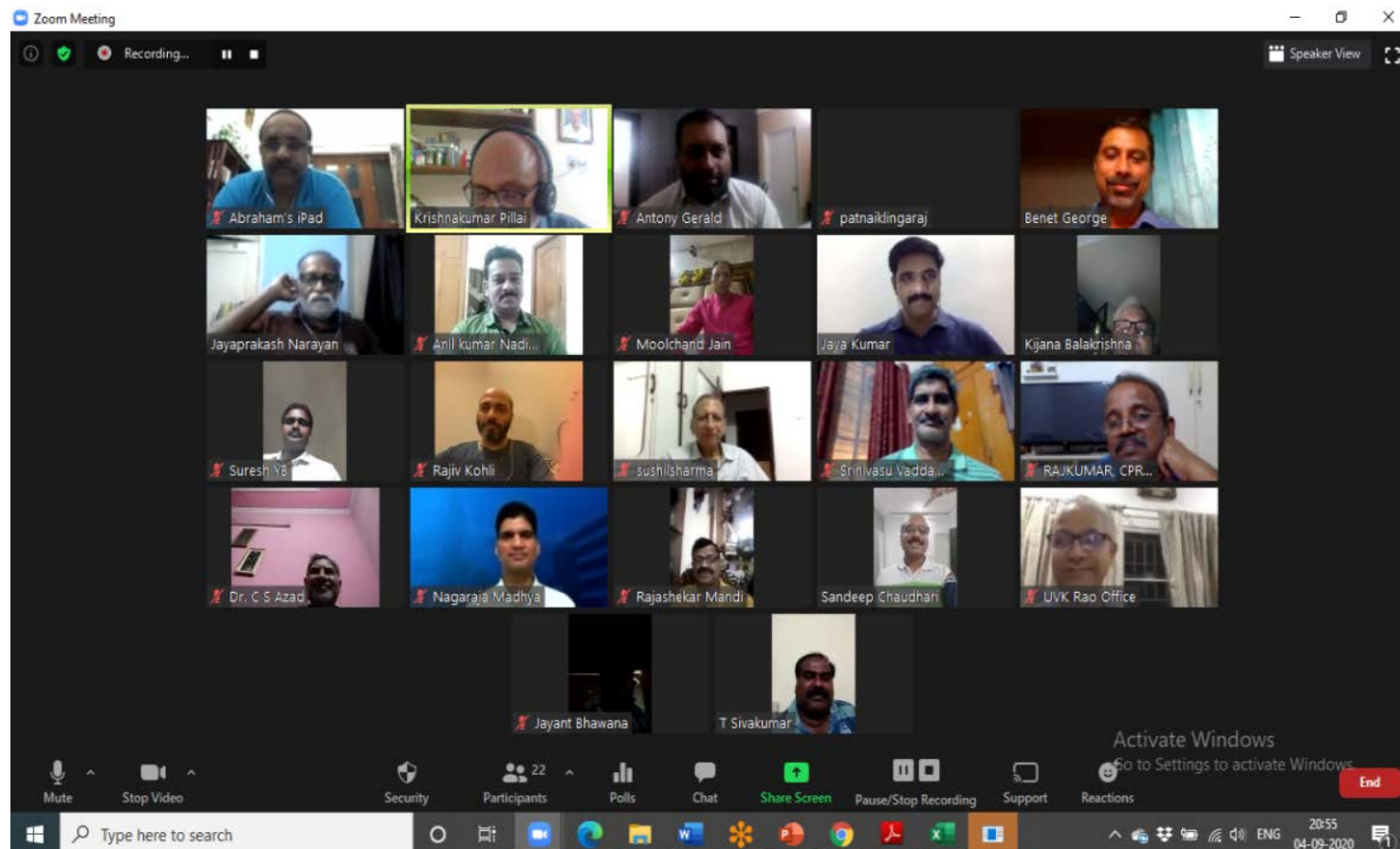
Webinar on the topic 'Industrial Electrification'.

Energy Management Centre and Energy Manager Magazine jointly organized a webinar on the topic 'Industrial Electrification' on 25th August 2020. Some of the Expert speakers were Prof. Stephane de la Rue du Can from Lawrence Berkeley National Laboratory; Shri. Prasanto Pal, Senior Fellow, Industrial Energy Efficiency Division, TERI; and Ms. Charu Lata, Lead Consultant, Electrical Mobility and Clean Energy Natural Resources Defense Council.

Some key takeaways of discussion were:

- A slew of strategies are needed for a faster transition to electricity which will reduce carbon footprints.
- Accelerating switch to electrification in industrial process' is the need of the hour-A few case studies and feasibility report for SMEs.
- India's cities are faced with the prospect of increasing congestion and high levels of air pollution, to which transport is a significant contributor.
- Major challenges for electric mobility in India are related to institutional systems and policies, charging infrastructure, supply of e-vehicles and industry opposition.

SEEM Karnataka Chapter AGM on September 4, 2020



Karnataka Chapter meeting was held on 04th September 2020, at 7.30 pm as web meeting and 21 members from Karnataka Chapter and SEEM National Leadership team attended meeting.

SEEM National executive committee member from Karnataka Mr. Benet George V, welcomed the audience. SEEM national president Mr. M C Jain inaugurated the meeting and emphasised on collaboration and planning activities in Karnataka. Mr. Jayakumar (Vice President) facilitated the occasion and give insights on activities of SEEM and future and offered all support for activities in Karnataka. Dr. C S Azad (Gen.Secretary) addressed the meeting and suggested to plan a webinar in next two months, mentoring young energy auditor and starting student chapters. He also updated some of the changes planned in Energy Manager magazine publication. Other office bearers, Mr. Alpesh Pandya, Mr. UVK Rao and Mr. H Krishna Kumar shared their views and facilitated the event.

All the chapter members introduced them selves during the meeting. Mr. Rajashekar P Mandi who was chairman of Karnataka Chapter shared his experience and agreed to guide the new team. Every one in the meeting agreed on the good experience of the members and decided to form an executive committee and all the chapter members who has joined in meeting will be member of executive committee and add other members based on EC suggestion.

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REPORT

It was also decided to conduct a webinar in two months' time and Mr. Rajiv Kohli, SEEM Member, volunteered to present the first topic.

It was decided to hold the executive committee meeting on 19-09-2020, Saturday 7.00 pm and select the office bearers on that day.

Mr. Rajiv Kohli extended the vote of thanks and meeting concluded 9.00 pm.

Online preparatory Assistance for BEE Exam for CEA/CEMs

SEEM conducted the online assistance class for BEE Exam for CEA/CEMs in association with Green Tree Global. The 1st batch class started on 18th May 2020 and its successfully completed now. Around 150 candidates participated in the first batch. The II Batch started on July 4th, 2020 and around 50 participants and concluded on 29th August .. Experts from SEEM, Green Tree and Energy Academy, Pune were the faculties of this online class

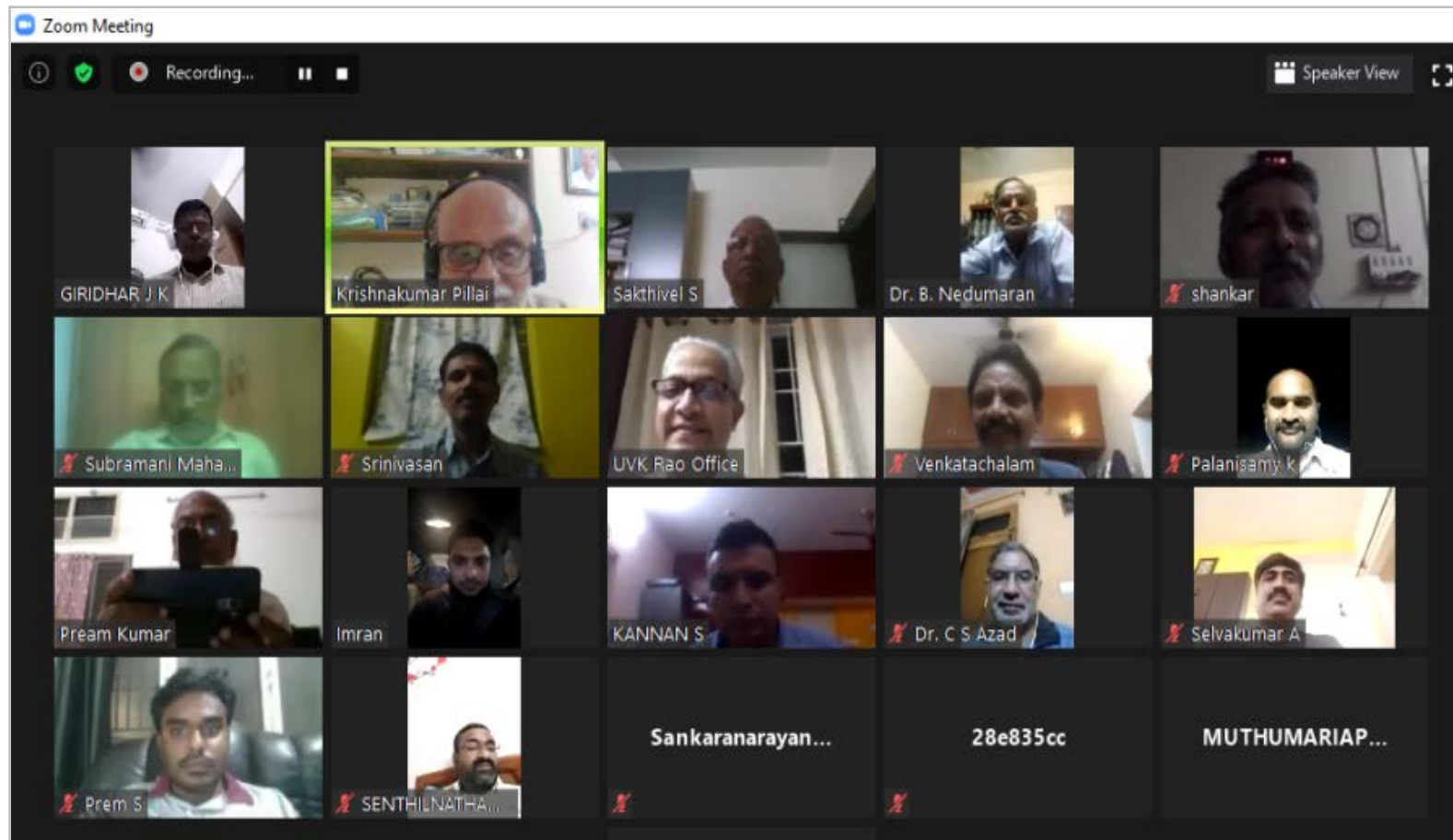
SEEM Member Mr. Koshy John elevated for the post of Chief Electrical Engineer at PWD Kerala

Congratulations Mr. Koshy John for your elevation to the post of Chief Electrical Engineer at PWD Kerala. As a SEEM Member we are proud of you and wish you all success in the new assignment.



SEEM Tamil Nadu Chapter AGM on September 6, 2020

Tamil Nadu Chapter meeting was held on 06th September 2020, at 7.30 pm as web meeting and 20 members from Tamil Nadu Chapter and SEEM National Leadership team attended meeting.



Tamil Nadu Chapter Secretary Mr S Kannan, welcomed attendees and stated the Agenda. Chapter Chairman Mr S Mahadevan, stated the achievements of Tamil Nadu Chapter in various areas. A new Executive Council was formed from the attendees from Tamil Nadu.

Mr Premkumar. P has been elected as the new Chairman and Mr .Srinivasan has been elected as the new Secretary for next Term.

The entire proceedings were recorded .



REPORT

SEEM Andhra Pradesh Chapter AGM on September 9th, 2020

Andhra Pradesh Chapter meeting was held on 09th September 2020, at 7.30 pm as web meeting.

Mr. Pravin Todkar, Member – SEEM AP Chapter welcomed the audience. After Inaugural Address and self introduction, AP – Telagana Chapter was formed with the following officials.

Chairman:	Mr. Virendra Raghuram
Vice Chairman-EE	Mr. G. Subramanyam
Patron	Mr. Gopalakrishna
Treasure	Mr. T Muthukumaran
Secretary	Mr. Pravin Todkar
Joint Secretary-EE	Mr. P V Subbarao
Joint Secretary-AC	Mr. Chelimela Srikanth
Joint Secretary-GC	Mr. V Senthil Kumar
Joint Secretary-IN	Mr. V Vikram Sena Reddy

Members:	
Mr. Nooney Mallikharjuna Swamy	Mr. Datla Venkata Lakshmi
Mr. Cheedhella Venkata Siva Naga	Mr. Narasimha Raju
Mr. KrisKrishna Kishore	Mr. V. Devi Prasad
Mr. N .Venkata Ramana	Mr. Ishwara.R.Bhat
Mr. Surathu Ramesh	Mr. Venkat Naresh Tirunagari
Mr. Akhilesh Kumar Verma	Mr. Venkata Sudhakar Mulaveesala
Mr. A. Ramachandra Murthy	Mr. Rameswara Rao Edara
Mr. K. Venkata Sai Narayana Rao	Mr. V Vikram Sena Reddy
Mr. A.V.V. Suryapratap	Mr. Vurumu Venkata Ramesh
Mr. Tippabhatla Ramakrishna	Mr. Bhaskar Rao
Mr. G N Pavankumar	Mr. Suresh Babu Kummara

The committee discussed about the activities of SEEM. Mr. Muthukumaran delivered the vote of thanks.

Webinar on “ISO 50001 Energy Management Systems”

Webinar on “ISO 50001 Energy Management Systems” was organised by Energy Management Centre (EMC), Govt. of Kerala on 18th September 2020, from 10.:30 AM to 12:30 PM which highlights the various provisions of ISO 50001 standards.

The Speaker of the webinar was Mr. G. Krishnakumar, Immediate past General Secretary of SEEM.

Key takeaways of Presentation:

- Role of Management System in an uncertain world
- Why Energy Management System
- Relevance of Energy Management System and Standard
- Overview and clauses of Energy Management Standard ISO 50001
- Implementation Steps and caution points
- Benefits of ISO 50001

Panel Discussion on “Water – Energy Nexus”

Energy Manager Magazine, a proud publication of SEEM organised a webinar in Association with Energy Management Centre (EMC), Kerala on topic “Water Energy-Nexus” on 22nd September, 2020 . Webinar had Key Note Address from Ms. Anupama Dubey, IPE Hyderabad along with discussions from international Experts.

Some key takeaways of discussion were:

- Indian Industries - Energy & Water linkages
- Indian Industrial Sector Bench Marks in terms of Energy & Water
- Best Practices for Industrial water/energy conservation

Free Webinar on the topic on “Emerging Career Opportunities in Energy Management”

SEEM and Green Tree conducted a Free Webinar on the topic on “Emerging Career Opportunities in Energy Management” on 27th June 2020 at 11 AM Powered by Energy Academy, Pune.

Dr. C S Azad, General Secretary, SEEM was the moderator . Dr . Suresh C Bajpai, RE & EM Consultant, Prof. Dr. B.K. Bhardwaj, Govt. Degree College, Gwalior, Prof. Dr. Krupesh A Chauhan, Urban Planning, SVNIT, Surat, Mr. Anurag Bajpai, Director, Green Tree and G Krishnakumar, Immediate Past General Secretary were the panelists.

It is Benefited for Faculty of Engineering, Diploma/Engineering Graduates, M.Tech/M.E./PGD/M.Sc. In Physics/Chemistry/Electronics/Energy/Renewable Energy/Environmental and others Post Graduates, Professionals in Energy Domain



REPORT

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NEWS

Centre urged to hold back funds to AP Discoms until dues cleared



The Confederation of Indian Industry (CII) has urged the central government to not release more funds to Andhra Pradesh from the Rs 90,000 crore discom liquidity package until its existing dues are cleared.

"CII requests the ministry to hold back any further disbursement under the Discoms liquidity package to the AP Discoms till the amount withheld by AP Discoms on account of above-mentioned reasons is paid in full to RE generators," the industry body said in its letter to union power and renewable energy minister RK Singh.

In May, the government had announced a Rs 90,000-crore stimulus package to bail out distressed state power distribution companies to clear their outstanding dues.

In July last year, the YS Jagan Mohan Reddy-led government in Andhra Pradesh decided to renegotiate the purchase cost of wind and solar projects already awarded, saying it would not honour power purchase agreements signed by the previous government. The high court had then issued a stay order and directed distribution companies to clear the dues owed in December after developers took the state to court.

The court had said solar developers should be paid Rs 2.44 per unit of energy and wind developers Rs. 2.43 per unit until the matter reaches a conclusion. Based on these calculations, the state government in January released Rs 2,500 crore, which is about 40 per cent of the dues.

As per CII's estimates, another Rs 1,000 crore is immediately payable to the developers. CII claims that the AP distribution companies have made "arbitrary and unexplained" deductions as part of the interim tariff.

"None of the above deductions can be considered legitimate under the incumbent regulatory or legal framework," the letter said.

Last week, the solar industry had requested intervention from the Centre, as well as Jagan, to expedite the resolution of the legal dispute over the state's move to renege from signed contracts.

Source: <https://energy.economictimes.indiatimes.com/news/power/centre-urged-to-hold-back-funds-to-ap-discoms-until-dues-cleared/77796654>

Maharashtra: No new thermal power units in state, says Raut

Nagpur: Energy minister Nitin Raut has announced that no more thermal power generation units would be set up in the state as there is a huge gap between supply and demand due to the coronavirus pandemic-induced recession.

Maharashtra State Electricity Distribution Company Limited (MSEDCL) has signed power purchase agreements (PPAs) for 35,000MW, but is purchasing only 14,500MW due to low demand.

Maharashtra Electricity Regulatory Commission (MERC) has set a target for MSEDCL of meeting 25% of its demand from renewable sources in next five years. Hence, the government has decided to promote renewable energy only.

Civil supplies minister Chhagan Bhujbal and MLAs of Deolali, Igatpuri and Amalner had met Raut urging him to replace the old units in Nashik thermal power station by a new unit of 660MW. The energy minister turned down this demand.

Earlier, deputy chief minister Ajit Pawar had rejected proposal to set up two new 660MW units at Koradi. He had told Raut to set up solar power plants instead as it is cheaper. Raut then chalked out plans to set up several solar power plants in the state in three phases.

Raut told Bhujbal that power demand had gone down by 33% and several thermal units were lying idle. However, MSEDCL had to pay fixed charges to the generation companies for these units, which was a huge burden on power consumers. He further said the generation cost of old units was very high and hence MSEDCL could not purchase power generated by these units under merit order dispatch (MOD) regime. Same was the case with new units as capital cost was very high. So, it was not possible to set up a new unit at Nashik, he said.

The MSEDCL has also an obligation to buy 8,000MW renewable energy and hence there was no question of starting new thermal units in the state.

Source: <https://energy.economictimes.indiatimes.com/news/power/maharashtra-no-new-thermal-power-units-in-state-says-raut/77795901>



NEWS

Telangana: EV industry needs more incentives

HYDERABAD: The state government will have to dole out more incentives if it intends to attract more investments in the electric vehicle space.

Speaking at the CII 'Make in Telangana' session on 'Accelerating EV manufacturing in India: Future of Electric Mobility', Naga Satyam N, executive director, Olectra Greentech Ltd, said the state government giving 20 per cent capital subsidy with a cap of Rs 30 crore is inadequate to capture large-scale manufacturing in the state.

He also said with EV manufacturers coming in the state, many ancillary units too will be set up and the government must try to ensure that the both the anchor as well as ancillary units also come up beyond Hyderabad.

He said Olectra Greentech Ltd has charted out a three-phase plan for electric bus manufacturing and plans to acquire 300-acre land for setting up its greenfield project. In the first phase, it will be spending Rs 200 crore, in the second phase, it plans to invest Rs 175 crore and Rs 250 crore in third phase.



"At present, we have a manufacturing capacity to manufacture 4-5 electric buses per day and by the end of phase-3, we intend to do 16 buses per day," he said, adding that the three phases will span over five years.

Sandeep Paidi, partner, KPMG, too added that the EV sector has been hit by the pandemic and the manufacturers are operating at reduced capacities. He added that in the meantime, the government can not only push R&D activities but also create infrastructure for EV.

Source: <https://energy.economictimes.indiatimes.com/news/power/telangana-ev-industry-needs-more-incentives/77795417>

U.N. chief urges India to quickly move to clean solar power

NEW DELHI: India should commit to carbon neutrality by ending fossil fuel subsidies and investing in clean solar power as it mobilizes trillion of dollars to recover from the coronavirus pandemic, the U.N. chief said Friday.

Secretary-General Antonio Guterres said India is at a crossroads and should speed up its shift from fossil fuels to renewable energy by committing to no new coal projects after 2020.

India's subsidies for fossil fuels are some seven times bigger than its subsidies for clean energy. Coal subsidies in the 2019-20 financial year amounted to \$2.06 billion, with overall subsidies to fossil fuels at \$11 billion.

Guterres made the remarks in a lecture delivered online. It was organized by The Energy and Resources Institute, a New Delhi-based private research group, to commemorate its founder Darbari Seth.

The U.N. chief lauded India for raising the proportion of renewable energy in its total consumption to 24% from 17% despite the pandemic. Coal-fired power use as a share of the total declined to 66% from 76%.

Investments in renewable energy generate triple the number of jobs created by investments in more polluting fossil fuels, he said.

The Indian government has committed to spending trillions of dollars on welfare and development programs to help the country weather the pandemic

With the COVID-19 pandemic threatening to push many people back into poverty, such job creation is an opportunity that can't be missed," Guterres said.

Apart from issues of job creation and concerns about pollution and climate change, coal power plants are likely to become "stranded assets," he noted.

In India, 50% of coal will be uncompetitive in 2022, reaching 85 per cent by 2025," Guterres said.

India's share of global oil and gas reserves is less than 1% each and it imports nearly 80% of its oil needs.

But the country does have coal reserves and is the second-largest producer of coal behind China, with record output at 729 million metric tonnes in 2019-20. Because of the poor quality of its coal with a high ash and moisture content, India also imported 251 metric tonnes of coal in 2019-20.

Contd. on the next page...



NEWS

Guterres acknowledged progress, noting that the number of people working in renewable energy in India had increased five-fold since 2015. Last year, its spending on solar energy surpassed spending on coal-fired power generation for the first time.

Prime Minister Narendra Modi launched the International Solar Alliance in the form of "One Sun, One World, One Grid" in 2015 with 120 nations affirming their participation for promotion of solar energy.

The country also is promoting a World Solar Bank that will mobilize \$1 trillion of investments in solar projects over the coming decade.

India has pledged to raise its renewable energy capacity to 500 gigawatts by 2030 from an initial goal set in 2015 of 175 gigawatts. It now has 37 gigawatts of installed solar electric capacity.

Some 64 million Indians still get along without access to electricity.

Source: <https://energy.economictimes.indiatimes.com/news/renewable/u-n-chief-urges-india-to-quickly-move-to-clean-solar-power/77799791>



Solar, wind energy projects of 21,142 MW capacity under construction in India

New Delhi: Solar and wind energy projects of over 21,142 Megawatt (Mw) are currently under construction in India over and above the 88,000 Mw already installed generation capacity based on the two clean resources.

Central Electricity Authority (CEA), the country's apex power sector planning body, said in a report the projects are getting built across key resource-rich states including Rajasthan, Gujarat and Andhra Pradesh and were bid out under multiple schemes.

The report also said the government had tendered projects with 31,500 Mw capacity of which 23,246 Mw capacity projects were awarded to developers.

These projects were tendered under programmes such as the Solar Energy Corporation of India's 2-GW ISTS-connected scheme, 750 MW Rajasthan projects, 150 MW grid-connected floating solar PV plants, 750 MW Kadapa solar park project, the CPSU scheme's tranche-I of 2 GW and tranche-II of 1,500 MW, and nine tranches of SECI's wind schemes.

The data of under construction renewable energy projects shared in the report also showed time over-runs across multiple projects. Mahindra Renewables' 250-MW project in Rajasthan -- to be developed in Jodhpur and bidded under the 2-GW ISTS-connected solar project scheme -- has been rescheduled to 31 January 2021 from the earlier date of 25 October 2020. Similarly, ACME's Deoghar solar project had an original scheduled completion date of 8 November, 2020, which has now been shifted to 7 January, 2022.

The report also said of the 61 solar energy projects tendered by SECI, 42 have availed timeline extension due to the COVID-19 pandemic in line with the government's earlier Order.

Many projects in the wind energy sector have also seen rescheduling of commissioning dates including three projects by Inox Wind, won under the tranche-III scheme, have been shifted from 24 November, 2019 to 8 April, 2021.

The delay in project construction is due to delays in execution of power purchase and power supply agreements; land allocation issues; delay in finalisation of ISTS substation location; and delay in readiness of power evacuation infrastructure.

CEA said the data shared in the report was collected from SECI, MNRE and RE developers.

India has set a target of adding 175 GW of renewable power in the energy mix by 2022. It has already added 86 GW. Besides, around 36 GW is under installation and about 35 GW is under bidding stage.



Source: <https://energy.economictimes.indiatimes.com/news/renewable/solar-and-wind-energy-projects-of-21142-mw-under-construction-in-india/77798337>



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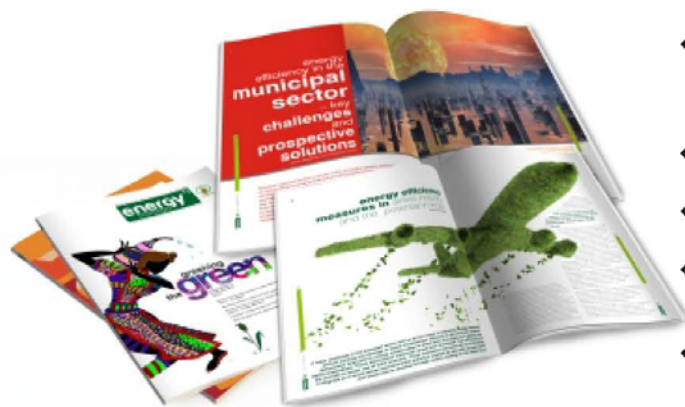
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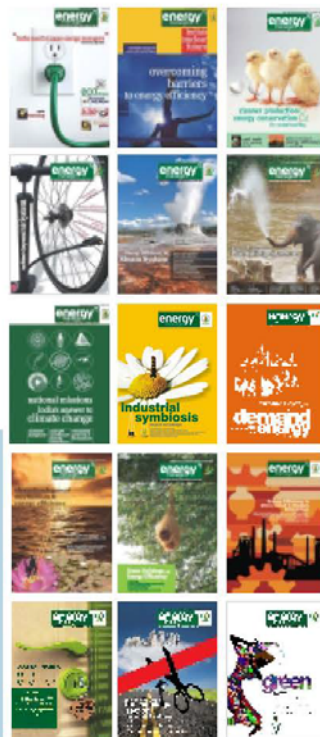
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