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seem NEWS

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society of
energy engineers
and managers



VIEW POINT

The dip in the number of COVID active cases however slight it is, rekindles hope along with the promising news on advances in vaccine testing. Several of the high frequency indicators of economic activity are registering growth trends. Improvement in these indicators is prompting policy bodies to moderate their gloomy predictions of GDP degrowth.

COVID crisis has been the time for introspection into ways we conduct ourselves in many areas of life, including business and economy. The world already battered by the pandemic onslaught will not be able to stand a climate disaster which is no more a distant threat. The Governments across the world are more convinced than ever on the need to usher in clean energy regime. This revelation also highly sanguine.

Here, this holds the opportunity and the challenge for energy professionals, at the same time. Industry struggling to get to its feet after having to lie low for months will need credible narrative to listen to clean energy or energy efficiency discourse. Though this is the right moment to resort to efforts in energy productivity and take steps towards sustainable energy, it will take more than reasoning to appeal to business to adopt green measures. Along with logic, emotions do play a role in decision making even in business situations. That is the challenge for energy professionals to appeal to head and heart of business leaders simultaneously.

SEEM National Energy Management Award (SNEMA) is intended and was serving this function to strike a chord with finer feelings of personnel who assiduously innovate and improvise to save joules in their sphere of activity. The tiny drops which aggregate into a mighty stream of saved energy are identified through a nationwide campaign among energy consuming organizations and are recognized and celebrated in front of peers year after year.

This year we had several rounds of deliberations how not to lose the charm of those proud moments of achievement, at the same time not contravening the pandemic protocols. Here again technology comes to our help to celebrate award function in its full glory virtually, but with increased participation. As they say there is a blessing in disguise in this tough time, many can attend the function from the comfort and confines of offices or homes and still, capture the verve of our domain. Our creative team is dreaming up the best possible near real yet virtual SNEMA2020. We need the support of all stakeholders to make this year event most memorable participating actively to dispel all the blues of a pandemic and declare our clean victory over it.

G Krishnakumar
Immediate Past National General Secretary
& Chief Operating Officer



OCTOBER 2020

CONTENTS

Panel Discussion on "Energy Storage & Electric Vehicles"

Certificate Course on High Performance Buildings

Webinar on "Energy Efficiency in MSME Sector- Challenges & Opportunities"

SEEM National Energy Management Awards 2020 (SNEMA-20)

SEEM – Chhattisgarh Chapter meeting held on 03rd October 2020.

Code of Ethics [and](#) Ethics Committee of SEEM

Office bearers of SEEM Karnataka Chapter

Webinar on Energy Master Planning and Integration

SEEM Kerala Chapter Chairman enrolled as an advocate in Kerala High Court

SEEM signs MOU with [AISECC](#)

Webinar on Energy Efficiency through ESCO route in Kerala – "Buildings & Commercial Establishments"

Webinar on "Energy Efficiency through Power Quality Assessment"

SEEM Member spoke on the World Standard Day program at Kochi

Energy Conservation Initiatives of MRCMPUL, Kozhikode

Office bearers of SEEM Kerala Chapter

Office bearers of Tamil Nadu Chapter

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

SEEM Student Chapter - Old Scheme and NEW Scheme 2020

NEWS

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REPORT

Panel Discussion on "Energy Storage & Electric Vehicles"

This was the 4th webinar in the series of webinars organising by Energy Manager Magazine and Energy Management Centre (EMC), Kerala on "Energy Storage & Electric Vehicles" on 20th October 2020 at 10:30 am to 12:00 Noon.

Panelists of the webinar were:-

DR. KALYAN BHASKAR is a faculty in the Strategic Management Area at XLRI. Dr. Kalyan Bhaskar holds PhD (Energy & Public Policy) from IIM Ahmadabad and a B.Tech degree in Electrical . Engg. from NIT Bhopal. He was one of the authors of the report "Electric Vehicle Scenarios and a Roadmap for India. Published as a part of "Promoting Low Carbon Transport in India" project of UNEP Riso Centre (Denmark). He has worked on sustainability projects for the Govt. of India, UNEP, and IFC. His current research interests are waste management (particular focus-e-waste management), and extended producer responsibility (EPR). He was earlier a faculty in the Business Sustainability Area at IIM Lucknow.

DR. RAHUL WALAWALKAR is founder and Executive Director of India Energy Storage Alliance (IESA). He served as a member of the Board of Directors of Energy Storage Association (ESA) in the US during 2009-15. He was elected as Vice Chair for Global Energy Storage Alliance (GESA) in 2014. He has functioned as chairperson of Maharashtra Electricity Regulatory Commission (MERC) and as member of national task force for integration of electricity from renewable energy sources. He holds a Ph.D in Engineering and Public Policy from Carnegie Mellon University, in Pittsburgh, Pennsylvania.

MR. MURALI ARIKARA is Director of Machani Group. He has been an entrepreneur and has had over 25 years of experience that includes business development, technology management, product engineering, marketing and power systems engineering. He holds an MS degree in Electrical Engineering from Texas A&M University and a BE degree in Electrical Power Systems from Osmania University (India)

Moderator of the webinar was:-

C M VARUGHESE is Ex-Chairman, SEEM Kerala Chapter. He is an Electrical Engineer (NIT Kozhikkod) and MBA, had over 40 Years experience in Power Electronics field.

**Panel Discussion on
Energy Storage and Electric Vehicles**

Keynote Address

**20 October 2020
10:30 AM - 12:00 PM**

Dr. Kalyan Bhaskar,
Assistant Professor, Xavier School of
Management, Jamshedpur

Presentations

**Energy storage for Industrial and
Renewable
Energy applications**

Dr. Rahul Walawalkar
President and MD,
Customized Energy Solutions

**Grid tied Hydrogen Energy
storage systems unlocking
a Renewable Energy future for
India**

Shri. Murali Arikara
Chief Technology Officer,
Racanaa Energy



REPORT

Certificate Course on High Performance Buildings

SEEM and GT Academy is launching a Certificate Course on High Performance Buildings on the 24th of October 2020.

Please find below the details of the course:

- | | |
|--------------------------------------------------|--------------------------------------------------------------------------------|
| 1. Course Name: High Performance Buildings | 7. Course Structure: Attached for your reference. |
| 2. Free Live Q&A Session - 17th October 2020 | 8. Course Flyer: Attached for your reference. |
| 3. Course Start Date: 24th October 2020 | 9. Course Teaser |
| 4. Course Duration: 12 Hours | Video: https://youtu.be/MUK_VIJ1beM |
| 5. Course Days: Weekends | 10. Free Live Q&A Session |
| 6. Course Fees: Rs. 6000/- (Early Bird Discount) | Registration: https://bit.ly/2GQHqZk |

Certificate Course on High Performance Buildings

Chapter	Learn About	Subject	Trainer
Day 1			
1	High Performance Buildings	<ul style="list-style-type: none"> ➤ High Performance Building Concept ➤ Alternative passive strategies to reduce energy consumption and minimize wastage ➤ Life Cycle Analysis of the building ➤ Four major categories – Building Design, Building Envelope, Lighting and HVAC ➤ Impacts on saving potential, cost of implementation, and the payback period ➤ Benefits in terms of lower power bills and lesser carbon dioxide emissions ➤ Incorporation of Renewable energy ➤ Carbon Neutral Buildings Concept ➤ Net Zero Buildings Concept 	Mr. Anurag B Ms. Donna D Mr. Avinash Y
Day 2			
	Energy Simulation & Analysis	<ul style="list-style-type: none"> ➤ Introduction to Energy Modeling ➤ Energy Modeling/Simulation requirements in various Green Building Rating system/Codes ➤ Sample Project Description ➤ Preparing eQuest Model ➤ eQuest Simulation with schematic wizard ➤ Performing Energy Efficiency Measures in schematic wizard ➤ eQuest Simulation with detailed design wizard ➤ Performing Energy Efficiency Measures in detailed design wizard ➤ Preparation of documentation as per ASHRAE 90.1 Appendix G for different green building rating systems ➤ Guided exercise for practice 	Ms. Donna D Mr. Jeyaraj K



CERTIFICATE COURSE ON HIGH PERFORMANCE BUILDINGS

“Become a Green Building Professional in 2 Weeks”

Course Start Date : 24th October 2020

*Early Bird Fees: Rs. 6000/-
(Offer valid until 13th October 2020)

LIVE Q & A SESSION ON 17th OCTOBER 2020

No matter if you are an engineer or an architect, our team can help you learn everything from scratch.



- DESIGN**
- Learn how to design, analyze & interpret your own high performance buildings.
- Equest Simulation & Analysis
 - Daylight Simulation & Analysis
 - Case Studies



- DOCUMENT**
- Learn how and what to document to create your high performance green building
- Overview of documentation
 - Documentation as per Rating System
 - Material Analysis
 - Case Studies



- CERTIFY**
- Learn how to achieve a green building rating for your high performance building
- Overview of rating systems
 - LEED, IGBC, GRIHA, WELL, ASSOCHAM GEM Rating systems
 - Case Studies

REGISTER NOW!

Connect with us

seemhq2011@gmail.com

+91 9446067607



REPORT

Day 3

3.	Daylight Simulation	<ul style="list-style-type: none"> ➤ Software user interface ➤ Basic settings ➤ Simple planning of an indoor space ➤ Creating rooms from a sketch ➤ Importing CAD plans (DWG, DXF) ➤ Inserting windows and doors ➤ Calculation and overview of results ➤ Guided exercise for practice 	Ms. Donna D
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Day 4

4.	Green Building Rating System	<ul style="list-style-type: none"> ➤ Indian Green Building Council (IGBC) ➤ LEED ➤ GRIHA ➤ ASSOCHAM GEM ➤ WELL ➤ Green Building Features - Sustainable Site ➤ Green Building Features - Water Efficiency ➤ Green Building Features - Materials & Resources ➤ Green Building Features - Location & Transport ➤ Green Building Features - Integrated Process ➤ Green Building Features - Energy Efficiency ➤ Green Building Features - Indoor Environmental Quality ➤ Documentation & Case Studies 	Ms. Donna D Ms. Vertika P
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Webinar on "Energy Efficiency in MSME Sector- Challenges & Opportunities"

Webinar on "Energy Efficiency in MSME Sector- Challenges & Opportunities" on being organized jointly by EESL, NTPC, CREDA & SEEM on 17th October, 2020 at 11:30 am to 1:00 pm.

Moderator: Mr. Abhishek Gupta (Cluster Head- Central; Energy Efficiency Services Limited)

Speakers:

Mr. S P Garnaik, Executive Director, Energy Efficiency Services Limited

Mr. Sanjeev Jain, Chief Engineer,, Chhattisgarh Renewable Energy Development Agency

Mr. Sanjay Verma, AGM- CEETEM; NTPC Raipur

Mr. M C Jain, President- Society of Energy Engineers & Managers

Mr. Milind Chittawar , CEO, Seetech Solutions Pvt. Ltd.

Vote of Thanks: Mr. Ved Prakash Dindore, State Head-Chhattisgarh; Energy Efficiency Services Limited

SEEM National Energy Management Awards 2020 (SNEMA-20)

It is now time to get recognized for your sustainable energy efforts!

It is a very good opportunity to highlight your effort as well as your company's effort in energy efficiency and get recognized in a national forum. Kindly encourage your organization to apply for the National Award.

Count down starts to the much awaited **SEEM National Energy Management Award 2020 (SNEMA-20)** – premiere energy management award in India, instituted by Society of Energy Engineers and Managers (SEEM) – the National Professional body of **Certified Energy Managers and Certified Energy Auditors in India.**

The awards ceremony is planned to be held during December 2020.

Award category

- Corporate business houses
- Industries (Small, Medium and Large scale in all sectors like Steel, Cement, Chemical, Textiles.....)
- Facilities (Small, Medium and Large scale in all sectors like IT/ITES, Institutions, Banking, Retail, Business malls, Hotels, Hospitals.....)
- Energy audit firms,
- Certified Energy Managers,
- Certified Energy Auditors

Award selection process

- Free online Pre registration for 1st level assessment
- Selected ones will be issued with a Unique Identification Code (UIC) and nominated for the awards selection.
- Details and supporting documents submission with necessary application fee for Jury assessment.
- Verification and evaluation by a panel of jury members.

Please follow the link below for downloading the detailed brochure and Free Online Pre-registration for 1st level assessment.

Link: <https://seemindia.org/awards>

Deadline for the submission of Pre- Registration form : 16th October 2020

If you have any queries regarding application / data submission, contact:

Ms. Saranya,

Coordinator - SNEMA 2020

Ph: 94460 67607 E-mail: awards@seemindia.org

For further details SEEM HQ - Ph 0471 2557607



REPORT

SEEM – Chhattisgarh Chapter meeting held on 03rd October 2020.

A meeting was held on 3rd October 2020 at Raipur for the SEEM - Chhattisgarh chapter. The objective of this meeting was to nominate members to execute the future activities of SEEM in Chhattisgarh. The meeting was addressed by Shri Moolchand Jain, President, SEEM & moderated under the chairmanship of Shri Sanjeev Jain, Chairman, Chhattisgarh Chapter-SEEM.

The other members of SEEM - Chhattisgarh chapter present in the meeting were:

1. Mr. Abhishek Gupta, Cluster Head, EESL, Raipur
2. Mr. Rahul Gupta, Asst. Engineer, CREDA
3. Mr. Nihar Ranjan Sahu, Project Coordinator, CREDA
4. Mr. Samrat Kundu, Project Coordinator, CREDA

The objective of the meeting was briefed by Shri Moolchand Jain, President, SEEM & members were addressed for their roles & responsibilities. Shri. Sanjeev Jain, Chairman, Chhattisgarh Chapter-SEEM discussed the future road map of activities in Chhattisgarh.

The members were nominated for different responsibilities are listed below.

Sl.N o.	Name of the Member	Nominated Position
1.	Shri V. C Vishwakarma	Vice Chairman- Thermal Power Plants
2.	Shri Manoj Shah	Vice Chairman-Industries (other than thermal power plants)
3.	Dr. Tejasvi K	Vice Chairman-Energy Efficient Equipments
4.	Shri Ramayan Prasad Namdeo	Vice Chairman-Academics
5.	Shri Sanjay Mishra	Joint Secretary- Academics
6.	Shri Abhishek Gupta	Joint Secretary- Govt. Policies
7.	Shri Nukesh Verma	Joint Secretary- Energy Efficient Equipments
8.	Shri Samrat Kundu	Joint Secretary- Energy Efficient Equipments
9.	Shri Rahul Gupta	Treasurer
10.	Shri Nihar Ranjan Sahu	Secretary

Code of Ethics and Ethics Committee of SEEM

SEEM is growing in various dimensions with all your support. The growth can bring along with all good things, concerns too. We have to be proactive to address those concerns. One of such concerns is Ethical behaviour of our members.

Our founder visionaries had foreseen such situation well in advance and so had put a Code of Ethics in place right in the formation days.

Now we are announcing formation of an Ethics committee. The Ethics committee will have following members::

Mr. U V K Rao, Immediate Past President as Chairman of the committee, Prof. P S Chandra Mohan Founder President, and Mr. C Jayaraman, Former General Secretary as members.

Any reported incidents of violation of ethics by our members will be looked into by this committee and the committee shall recommend appropriate action in such cases.

Chairman



Mr. U V K Rao

Member



Prof. P S Chandra Mohan

Member



Mr. C Jayaraman

Code of Ethics

It is the policy of the Society of Energy Engineers and Managers and its members to make the largest contribution possible to the employer, client and to the public at large through careful analysis, monitoring and management of precious energy resources; and careful design, implementation, monitoring and management of various energy efficiency improvement techniques and systems, by making available all the realm of knowledge in accordance with state and national guidelines, to be part of a global endeavour to make the world a much better place to inhabit in coexistence with all flora and fauna.

Consistent with fair business practice and service in the societal interest, members of the Society of Energy Engineers and Managers pledge:

1. Members shall uphold, defend and advance the honour and solemnity of the profession in keeping with high principles of ethical demeanour and shall use his or her knowledge and skill for the advancement of sustainable energy systems.

Contd. on the next page...



REPORT

2. Members shall carry out professional service in compliance with applicable codes, standards and laws. It is the responsibility of the member to stay updated to a degree that would be considered reasonable within the industry, with developments and changes to applicable codes, standards and laws.
3. Members shall not falsify or permit misrepresentation of their professional qualifications or achievements.
4. Members shall undertake their services and any other professional activities with proper regard for the safety, health and welfare of personnel, public and the protection of the environment.
5. Members shall present honestly the capabilities, performance and energy savings potential of various energy efficiency improvement techniques and systems.
6. Members shall be guided in all their professional relations by the highest standards of integrity, admit and accept their own errors when proven wrong and shall take appropriate action to correct the error.
7. Members shall not attempt to injure, maliciously or falsely, directly or indirectly, the professional reputation and practices of other members and not untruthfully criticize other members.
8. Members shall endeavour to expand public knowledge and appreciation of energy efficiency and its potential benefits to industry and society, actively contribute in disseminating knowledge, expanding the effectiveness of the profession by exchanging information and experience with other engineers and students and shall endeavour to provide opportunity for the professional development and advancement of energy auditors/ energy managers and all other professionals for the future of energy efficiency realm.
9. Members shall express an opinion on a subject matter only when found on adequate knowledge and honest conviction.
10. Members shall not disclose confidential information concerning the business affairs or technical processes of any present or former client or employer without consent.
11. Members shall strive to avoid a clash of interest with his employer or client, but when indispensable, he or she shall fully disclose the state of affairs to employer or client.
12. Members shall uphold the principle of appropriate and adequate compensation for those engaged in engineering work.

Office bearers of SEEM Karnataka Chapter

Chairman



Mr. Jayaprakash Narayan

Secretary



Mr. Benet George V

Treasurer



Mr. Antony Gerald P V

Vice Chairman – Industry



Mr. Suresh Y B

Vice Chairman- Academics



Mr. Rajiv Kohli

Vice Chairman- EEEM



Mr. T. Jayant Sinha

Vice Chairman-
Magazine

Mr. T Sivakumar

Vice Chairman –
Mysore Region

Mr. Anil Kumar

Webinar on Energy Master Planning and Integration

SEEM Karnataka Chapter organized a webinar on Energy Master Planning and Integration on 10th October 2020 through Zoom Meeting. The webinar was attended around 55 participants. The presenter of the webinar was Mr. Rajiv Kohli, - Leader-LNG Operations – Royal Dutch Shell and Vice Chairman – Academics, SEEM Karnataka Chapter.

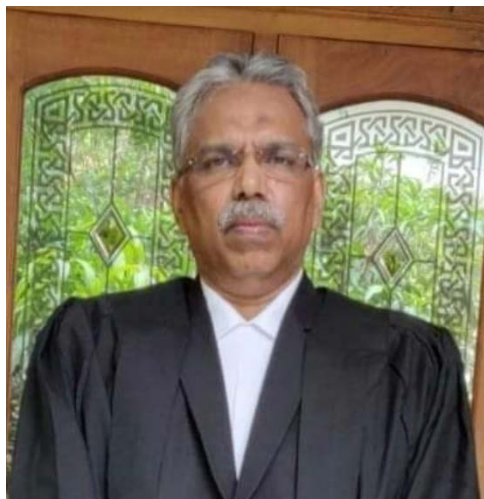
The Key takeaways of the webinar was:

- 1) To develop systems thinking for integrated energy master planning and taking auditing to a new level
- 2) Coach and develop your teams to cohesively use all energy classes of fuel, steam and power to have energy efficient and low carbon energy systems.
- 3) To listen an energy master plan eg:- which will help you to use in your organisation .



REPORT

SEEM Kerala Chapter Chairman enrolled as an advocate in Kerala High Court



Dr. Mohammed Sheriff, Chairman, SEEM Kerala Chapter enrolled as an advocate in Kerala High Court. He is a Ph.D holder in Management Studies. After his illustrious career with KSEB & retiring as Deputy Chief Engineer on a different career on another profession embarked as advocate. We wishing him all success.

SEEM signs MOU with AISECC

SEEM signs MOU with Anand Institute for Studies in Energy efficiency and Climate Change (AISECC), at DJMIT, ANAND for joint programs in energy education. National Treasurer Mr. Alpesh Pandya and Mr. Hasmukh sutaria, AISECC exchanged signed MoU copies to begin a mutually and socially beneficial journey at Anand, Gujarat.

Our former Gen Secretary, Mr. Jayaraman is a member of the governing council of the institution and was instrumental in forging this association.



Webinar on “Energy Efficiency through Power Quality Assessment”

“Quality Power is a matter of concern now a days for sustained life of most modern appliances and equipments driven by sophisticated Electronic systems commonly deployed in residential, commercial, industrial and all other sectors of developing economy. The increased penetration of Energy Efficiency and Renewable Energy to modern Power Systems through Inverter air-conditioning, Variable frequency drives, LED lighting, Energy storage, E-Mobility solutions, Power converters etc. have lead to quality and quantity deterioration of power supplied. The understanding and assessment of Power quality plays a vital role in efficiency and reliability of systems.

In the context, SEEM Kerala Chapter is organizing a webinar titled “Energy Efficiency through Power Quality Assessment” on 29th October 2020 at 10.00 AM to 1.00 PM handled by Er. R. Chandru, Manager – Product Management & Marketing, L&T Electrical & Automation and Er. Prabhakaran P V, Head – Product Management, Fluke Technologies (P) Ltd.

For Registration please click the link : <https://forms.gle/NFGBKNG5br7QbmZv8>

Webinar on Energy Efficiency through ESCO route in Kerala – “Buildings & Commercial Establishments”

A webinar on “Energy Efficiency through ESCO route in Kerala – Buildings & Commercial Establishments” organised by Energy Management Centre (EMC, Kerala) on 16th October 2020 at 2.00 PM to 4.00 PM. **SEEM Member Er. Milind Chittawar (CEO, SEE- Tech Solutions handled the webinar. He is the winner of South Asia Professional Award.**

The Key-Takeaways of the webinar were ESCO Financing Models, Building Energy Efficiency, Retrofit Solutions, and EPI reductions and benchmarking.



REPORT

Registration Fees

For Delegates from Industries : Rs.200/- per person.
For Others : Rs.500/- per person.

Payments can be made online through the following link: <https://rzp.io/l/seem-payment>

For queries and more details kindly contact:

Mr. George Varghese
Mob: 9496343102
E-mail: varghesekoippuram@gmail.com

Mr. Aneesh Rajendran
Mob: 9495191019
E-mail: aneeshrajendran85@gmail.com



POOR POWER QUALITY RESULTS IN LOWER PROFIT MARGINS

Reclaim more with enhanced power quality

WEBINAR

on **29th October 2020**
10.00 AM to 1.00 PM

// Register Now //

Partnering agencies
FLUKE **L&T Electrical & Automation** **VIDYUTHI ENERGY SERVICES**

SEEM Member spoke on the World Standard Day program at Kochi

Mr. K. M. Shanavas, Joint Director, KSPC and Vice Chairman - Kerala SEEM chapter spoke on the World Standard Day program organized by Bureau of Indian Standards, Kochi



ലോക സ്റ്റാൻഡേർഡ് ദിനം ആചരിച്ചു

കൊച്ചി > ബ്യൂറോ ഓഫ് ഇന്ത്യൻ സ്റ്റാൻഡേർഡ്സ് കൊച്ചി ഘടകത്തിന്റെ നേതൃത്വത്തിൽ 'വേംഡ് സ്റ്റാൻഡേർഡ് ഡേ' ആചരിച്ചു. ആഗോള സമ്പദ് വ്യവസ്ഥയിൽ നിലവാര രൂപവത്കരണത്തിന്റെ പ്രാധാന്യത്തെക്കുറിച്ച് വിവിധ വ്യവസായ മേഖലകൾ, ഉപഭോക്താക്കൾ എന്നിവരിൽ അവബോധമുണ്ടാക്കുക എന്നതാണ് ദിനാചരണത്തിന്റെ ലക്ഷ്യം. 'ഭൂമിയെ സംരക്ഷിക്കുന്ന മാനകങ്ങൾ' എന്നതാണ് ഐ.എസ്.ഒ. പുറത്തിറക്കിയ ഈ വർഷത്തെ പ്രമേയം.

'പരിസ്ഥിതി മാനേജ്മെന്റ്' എന്ന വിഷയത്തിൽ അവലംബം ഓർഗാനിക് കെമിക്കൽസ് എക്സിക്യൂട്ടീവ് ഡയറക്ടർ കെ.കെ. കുഞ്ഞുമോൻ പ്രഭാഷണം നടത്തി. ഓൺലൈനായി നടന്ന പരിപാടിയിൽ കേരള ഷിപ്പിങ്ങ് ആൻഡ് ഇൻലാൻഡ് നാവിഗേഷൻ കോർപ്പറേഷൻ ഡയറക്ടർ എൻ. പ്രശാന്ത് അധ്യക്ഷനായി.

കേരള മലിനീകരണ നിയന്ത്രണ ബോർഡ് ചീഫ് എൻവയൻമെന്റ് എൻജിനീയർ ബാബു രാജൻ സാങ്കേതിക പ്രഭാഷണം നടത്തി. പ്രൊഡക്ടിവിറ്റി കൗൺസിൽ ജോയിൻറ് ഡയറക്ടർ കെ.എം. ഷാനവാസ്, ബി.ഐ.എസ്. കേരള മേധാവി രാജീവ് പി., സയൻറിസ്റ്റുമാരായ ജൂനിയർ ടി.ആർ., റിനോ ജോൺ എന്നിവർ സംസാരിച്ചു.

15/10/2020 TRIPUNITHURA-MULANTHURUTHY Pg 09

Energy Conservation Initiatives of MRCMPUL, Kozhikode

We salute to MILMA to its initiative of avoiding Diesel vehicles and using the Nature Friendly Electric vehicles for loading and unloading of raw materials and packed products inside the different units of MILMA in Kerala and we are proud of Mr. K M Vijayakumaran, M D, Malabar MILMA and honourary Vice Chairman – SEEM Kerala Chapter



03.10.2020

പത്രക്കുറിപ്പ്

മലബാർ യൂണിയൻ നടത്തി വരുന്ന വിവിധ ഊർജ്ജസംരക്ഷണ പ്രവർത്തനങ്ങളുടെ ഭാഗമായി അന്തരീക്ഷ മലിനീകരണം പ്രതിരോധിക്കുന്നതിനും പാരിസ്ഥിതിക സുസ്ഥിരത ഉറപ്പാക്കാനുള്ള പ്രവർത്തനങ്ങളുടെ ഭാഗമായി മലബാർ മിൽക്ക് ഡെവലപ്മെന്റ് കോർപ്പറേഷൻ സാമഗ്രികളും മറ്റു സാധനങ്ങളും കൊണ്ടുപോകുന്നതിനായി ഉപയോഗിച്ചുകൊണ്ടിരിക്കുന്ന ഡീസൽ വാഹനങ്ങൾ ഒഴിവാക്കി പരിസ്ഥിതി സൗഹൃദമായ ഇലക്ട്രിക് വാഹനങ്ങൾ ഉപയോഗപ്പെടുത്താൻ തീരുമാനിക്കുകയുണ്ടായി. ആയതിന്റെ അടിസ്ഥാനത്തിൽ കോഴിക്കോട്, നടുവട്ടം, കണ്ണൂർ, വയനാട്, മലപ്പുറം ഡെവലപ്മെന്റ് ഇലക്ട്രിക് വാഹനങ്ങൾ വാങ്ങുകയും ആയതിന്റെ പ്രവർത്തനം ആരംഭിക്കുന്നതിന്റെ ഉദ്ദേശ്യം മലബാർ യൂണിയൻ ചെയർമാൻ ശ്രീ.കെ.എസ്. മണി വാഹനത്തിന്റെ താക്കോൽ കോഴിക്കോട് ഡെവറി സീനിയർ മാനേജർ ശ്രീ. കെ.കെ. ഷാജിമാൻ കൈമാറിക്കൊണ്ട് നിർവ്വഹിച്ചു. ഉദ്ദേശ്യസമയത്ത് അന്തരീക്ഷ മലിനീകരണ തോത് കുറയ്ക്കുന്നതിന് ഇലക്ട്രിക് വാഹനങ്ങൾ ഉപയോഗിക്കുന്നതിനുള്ള പ്രസക്തിയും അനുബന്ധമായി ഊർജ്ജ സംരക്ഷണ മേഖലയിൽ മലബാർ യൂണിയന്റെ പുതിയ കാൽവെപ്പുകളെക്കുറിച്ചും മാനേജിംഗ് ഡയറക്ടർ വിശദീകരിച്ചു. പ്രസ്തുത ചടങ്ങിൽ മലബാർ മേഖലാ യൂണിയൻ മാനേജിംഗ് ഡയറക്ടർ, ശ്രീ.കെ.എം. വിജയകുമാരൻ, പി. ആന്റ് ഐ സീനിയർ മാനേജർ, ശ്രീ. കെ. സി. ബേബിസ്, മലബാർ യൂണിയൻ എൻജി മാനേജർ, ശ്രീ. കെ. പ്രേമാനന്ദൻ എന്നിവരും പങ്കെടുത്തു. മലബാർ യൂണിയൻ തുടർച്ചയായി നടത്തി വരുന്ന ഊർജ്ജ സംരക്ഷണപ്രവർത്തനങ്ങളുടെ അംഗീകാരമായി 2017-ലെ കേരള സംസ്ഥാന ഊർജ്ജ സംരക്ഷണ അവാർഡും, 2019 ൽ SEEM നാഷണൽ എൻജി മാനേജ്മെന്റ് അവാർഡും മലബാർ യൂണിയൻ കരസ്ഥമാക്കിയിട്ടുണ്ട്. മാത്രമല്ല മലബാർ യൂണിയന്റെ ഡെവലപ്മെന്റ് ISO 14001, ISO 50001 എന്നീ സർട്ടിഫിക്കേഷൻ വഴി സമ്പന്നമായി വരുന്ന കാര്യവും വിശദീകരിച്ചു.

മാനേജിംഗ് ഡയറക്ടർ



REPORT

Office bearers of SEEM Kerala Chapter

Chairman



Dr. Mohammed Shereef

Secretary



Mr. Azeem K.

Treasurer



Mr. Ahammed Kabeer. T. A.

Vice Chairman - Academics



Mr. Mohandas T.V.

**Vice Chairman –
Industry & North Region**



Mr. Vijayakumaran K. M.

**Vice Chairman - EEE
Manufacturers &
Central Region**



Mr. Shanavaz K. M.

**Joint Secretary
- Industry &
Central Region**



Mr. George Varghese

**Joint Secretary
– Policy, Govt.
& South Region**



Mr. Aneesh Rajendran

**Joint Secretary –
EEE Manufactures &
North Region**



Mr. Janesh N. M.

**Joint Secretary –
Academics**



Mr. Richu Zachariah

Office bearers of Tamil Nadu Chapter

Chairman



Mr. P Premkumar

Secretary



Mr. P Premkumar

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REPORT

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2. Digital Substation
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6. High Performance Buildings (Green Buildings)



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COURSE DETAILS

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- **AWARDS** : Certificate of Completion



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+91 9446067607

seemhq2011@gmail.com





REPORT

SEEM Student Chapters

Who can start a SEEM Student Chapter? (Old Scheme)

- Any Engineering College / Professional College / Arts and Science College in India



What are the Benefits to the College?

- SEEM Institutional Membership
- Energy Career and Research Orientation Sessions
- Forum to discuss Project/ Research / Entrepreneurship ideas
- Industry Exposure Programmes
- One month Training cum Internship Programme-to selected candidates
- Technical Sessions on Specific Topics
- Mentoring and Guidance by SEEM Experts
- SEEM Project Internship Opportunities
- Volunteering opportunities to interact with industry professionals
- Assistance in setting up Energy Library/ Energy Lab
- SEEM Membership for Principal and Faculty-in-Charge
- SEEM E-Learning Course
- SEEM Publications

What is the Fee?

- Rs.25000 for up to 100 students
- Additional memberships at Rs. 400/-per student
- No additional fee for institutional membership
- Fee covers the entire course duration of a student
- How can the payment be made?
- Cheque/DD in favour of Society of Energy Engineers and Managers payable at Trivandrum
- Payments can be made through the link https://pages.razorpay.com/pl_EfDrYEsHEVDK7/view
- Fee for other training sessions and programs will be worked out on a case to case basis
- A refund of Rs.150/- per student , subject to a min of 50 students will be given to College chapter to fund activities

What is covered in this fee?

- Half day Energy Career Orientation session by SEEM Experts along with inauguration
- E-Certificates to student members
- Two technical sessions by SEEM Experts(virtual)
- Mentoring and Guidance by SEEM Experts
- SEEM Project Internship Opportunities
- Volunteering opportunities to interact with industry professionals

What is the structure of the Chapter?

- Faculty -in- Charge
- Student Secretary
- SEEM Mentor
- Student Members

How can a SEEM Student Chapter be initiated?

- A SEEM Student Chapter can be initiated by remitting the fee and submitting required documents to SEEM Headquarters
- Colleges can constitute department-wise sub units of the Chapter, with a faculty-in-charge for each sub unit
- Documents and Materials to be submitted:
- Name and Contact Details of Principal, Faculty-in-Charge, Student Secretary and Members in the prescribed format

How does the Chapter function?

- Quarterly Chapter Meetings in the College on the first Wednesday of every month to plan activities / guidance required / queries/ subject discussions
- SEEM Mentor answers the queries posted in advance by the students through Skype / in person / over phone during the chapter meeting
- Faculty -in - Charge approves and sends in the quarterly reports (including photographs) prepared by the Student Secretary
- SEEM Mentor / Representative and the Faculty - in - Charge schedules the Program Calendar for the Year and conducts Training / Industry Exposure Programs / Internship Programs according to the schedule
- The Chapter can invite the SEEM Mentor for a face to face session twice a year at no additional fee. The Chapter will have to meet the travel expenses for the session only
- More Technical Sessions by Experts on specific topics can be arranged upon request by the chapter and meeting the program expenses

Who is to be contacted for Queries and Assistance?

**State Chapter Vice Chairman -
Academics/ Jt. Secretary -
Academics or**

SEEM Student Services
Society of Energy Engineers and Managers
National Council Office, SEEM Bhavan, KRA A79,
Kannamoola, Trivandrum, Kerala
India - 695011
Ph: 0471 - 2557607, M:+91 944 6067607
E:seemhq2011@gmail.com
Web: www.seemindia.org



REPORT

SEEM Student Chapters

Who can start a SEEM Student Chapter-Under Special Scheme 2020-2021

- Any Engineering College / Professional College / Arts and Science College in India



What are the Benefits to the College?

- Energy Career and Research Orientation Sessions
- Forum to discuss Project/ Research / Entrepreneurship ideas
- Industry Exposure Programmes
- Opportunity for Training or Internship Programme - to selected candidates
- Technical Sessions on Specific Topics discuss with State Chapter Vice Chairman -Academic
- Mentoring and Guidance by SEEM Experts
- SEEM Project Internship Opportunities
- Volunteering opportunities to interact with industry professionals
- Assistance in setting up Energy Library/ Energy Lab
- SEEM Membership for Principal and Faculty-in-Charge
- SEEM E-Learning Course

What is the Fee?

- No upfront fee
- The students desirous of getting a student membership certificate (E-Certificate) will pay a fee of Rs. 600/- (including GST)- under special scheme, where the college is having a student chapter.
- Fee covers the entire course duration of a student
- The regular membership fee for a student otherwise is Rs.1180/(including GST)-
- The College Chapter will get a Charter certificate on payment of Rs.5000/-
- Payments can be made through the link https://pages.razorpay.com/pl_EfDrYeySHEVDK7/view or through website link.
- A refund of Rs.150/- per student, subject to a min of 50 students will be given to College chapter to fund activities

What is covered in this fee?

- Half day Energy Career and Research Orientation session by SEEM Experts along with inauguration
- Two free online technical sessions by SEEM Experts
- Mentoring and Guidance by SEEM Experts on request
- SEEM Project Internship Opportunities on request as per availability
- Volunteering opportunities to interact with industry professionals

What is the structure of the Chapter?

- Faculty -in- Charge
- Student Secretary
- SEEM Mentor
- Student Members

How can a SEEM Student Chapter be initiated?

- A SEEM Student Chapter can be initiated by sending a request to the State Chapter Secretary who in turn will coordinate with SEEM HQ for inception of a chapter.
- Colleges can constitute department-wise sub units of the Chapter, with a faculty-in-charge for each sub unit
- Documents and Materials to be submitted:
- Name and Contact Details of Principal, Faculty-in-Charge, Student Secretary and Members in the prescribed format.

How does the Chapter function?

- Quarterly Chapter Meetings in the College to plan activities / guidance required / queries/ subject discussions
- SEEM Mentor answers the queries posted in advance by the students through Skype / in person / over phone during the chapter meeting
- Faculty -in - Charge approves and sends in the quarterly reports (including photographs) prepared by the Student Secretary
- SEEM Mentor / Representative and the Faculty - in - Charge schedules the Program Calendar for the Year and conducts Training / Industry Exposure Programs / Internship Programs according to the schedule
- The Chapter can invite the SEEM Mentor/other expert for a on line session twice a year at no additional fee.
- More Technical Sessions by Experts on specific topics can be arranged upon request by the chapter and meeting the program expenses

Who is to be contacted for Queries and Assistance?

**State Chapter Vice Chairman -
Academics/Jt. Secretary -Academics
or**

SEEM Student Services
Society of Energy Engineers and Managers
National Council Office, SEEM Bhavan, KRA A79,
Kannammoola, Trivandrum, Kerala, India - 695011
Ph: 0471 - 2557607, M:+91 9446067607
E:seemhq2011@gmail.com
Website: www.seemindia.org
Web: www.enerovprofessional.in



NEWS

Delhi Govt. approves over 100 models for subsidy under new electric vehicles policy: Gahlot

New Delhi: The Delhi government has approved more than 100 models of vehicles, including 45 makes of e-rickshaw and 12 of four-wheelers, for subsidy under the new electric vehicles policy, Transport Minister Kailash Gahlot said on Friday. "Vehicles priced up to Rs 15 lakh will be eligible for the purchase incentive(subsidy), besides exemption of road tax and registration fee. Electric vehicles having a price over Rs 15 lakh will not get subsidy but will be eligible for road tax and registration fee exemptions," he told a press conference.

The minister launched a website having details of approved models, dealers, [subsidy disbursal process](#) as well as the network of 70 charging stations across the city.

The 100 approved models of electric vehicles include 45 of e-rickshaws, 14 of two-wheelers and 12 of four-wheelers.

He also said 36 manufacturers have been registered with a network of 98 dealers across the city.

Gahlot said that the whole process of subsidy payment will be online. Anyone purchasing an electric vehicle will require sales invoice of the vehicle, his aadhaar number and a cancelled cheque to claim the subsidy.

The dealer will process the [subsidy claim](#) on his end through the website.

The claims will be verified by the motor licensing officers concerned and forwarded to banks for subsidy payment.

The minister said the subsidy will be applicable from August 7, 2020 when the policy was notified. Road tax and registration fee exemptions will be applicable from October 10 and October 15, when the respective notifications were issued, he said.

At each stage of processing of subsidy claim, from the dealer to the bank, the buyers will receive updates through SMS, he said.

Under its EV policy, the Delhi government will give incentive of up to Rs 30,000 for two-wheelers, autos, e-rickshaws and goods carriers while a subsidy of Rs 1.5 lakh will be provided for purchase of electric cars, officials said.

The subsidy amount will be credited in the account of the buyer of e-vehicle within three days, they said. VIT SMN SMN.

Source: <https://energy.economictimes.indiatimes.com/news/power/delhi-govt-approves-over-100-models-for-subsidy-under-new-electric-vehicles-policy-gahlot/78827690>

Goa: Fulfil solar power target by 2022, anti-coal activists tell Govt.

Margao: Goyant Kolso Naka on Friday demanded that the government, instead of pushing for new power transmission lines by damaging Mollem forest, should concentrate on effecting a transition to solar power at the earliest to meet the energy requirements of the state. This, the forum said, would besides making the state self-sufficient in power generation and help Goa earn revenue from selling surplus power, would also generate self-employment avenues across all villages and towns in Goa for installation of solar power units.



The anti-coal protestors picked holes in the arguments advanced by power minister Nileshe Cabral in defence of the 400 kV transmission lines and accused him of misleading the people.

Abhijit Prabhudesai, referring to the Statistical Handbook of Goa 2018-19, said that the residents use only about 29% of the energy consumed, while industries consume almost twice as much. "As stated by the Union Government in the Rajya Sabha on September 15," he said, "the installed capacity for the entire state as on August 31 is only 585 MW, including 532 MW from central sector. However, Cabral has quoted highly inflated figures, such as 1,800 MW demand from residential use, to mislead the people."

Further, referring to the Union government's projections that predict a rise in peak demand by 2037 to minimum 704 MW and maximum to 1,375 MW by 2037, Prabhudesai said that "contrary to these facts, Cabral has tried to fool the people that the transmission lines are necessary due to increasing demands."

Prabhudesai said that the power transmission project was completely against public interest as it promotes burning of coal and global warming.

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



NEWS

NHPC plans to develop 600-MW ultra mega solar park in Uttar Pradesh

New Delhi: State-run hydropower major, NHPC, is planning to develop a solar park of around 600 Megawatt (MW) capacity in Deoria district of Uttar Pradesh, it said in a virtual event on Wednesday.

The proposed site is an island with Ghaghra river flowing from both its sides.

solar park of 600-MW capacity in Deoria district of Uttar Pradesh. We are actively examining cooperation with the UP government as well as [UPTCL](#) to make this solar park a reality," said A K Singh, Chief managing director, NHPC in a joint stakeholder consultation organised with the industry body National Solar Energy Federation of India.

The time required for carrying out the survey and investigation would be two months and the land will be taken on a long-term lease basis. The nearest 400 kV substations are at Kasara in Mau and Rasra in Balia, about 45 kilometre from the site, according to B P Rao, general manager, NHPC.

The company said the project is expected to be completed by the end of 2022 or beginning of 2023 and it would be developed in a joint venture with the UP government or special purpose vehicle mode. However, a final decision would be taken after assessing the viability of the project.

The grid connectivity and power evacuation would be finalised by Uttar Pradesh Power Transmission Corporation after carrying out the necessary studies, said the hydropower giant.

NHPC is planning to conduct a more detailed survey of the topography and the soil conditions and appraise the developers in the coming months.

The hydropower generator in May decided to foray into the solar power business and diversify its portfolio by developing solar projects as intermediary procurer through developers.

NHPC presently has an installation base of 7,071.2 MW from 24 power stations on ownership basis including projects taken up in joint venture.

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



Power PPAs cannot be terminated during insolvency process

New Delhi: In a breather for bankrupt power generation companies, an insolvency tribunal has ruled that going concern status of such companies have to be maintained during the entire resolution process.

The National Company Law Appellate Tribunal ([NCLAT](#)) has ruled that power distribution companies or discoms cannot terminate their power purchase agreement (PPA) with insolvent gencos during the entire corporate insolvency resolution process (CIRP).

Upholding an order passed by the Hyderabad bench of [the National Company Law Tribunal](#) (NCLT), the NCLAT said that [asset classification](#) of a power project includes the generation plant and its PPA and it should be looked together and not in isolation.

So, the moratorium rules under Insolvency and Bankruptcy Code (IBC), where all debt resolution action is suspended during CIRP, would apply to power project as well including the PPA contracts it signed with beneficiaries.

"This asset (PPA) needs to be kept intact and preserved during the process of corporate resolution and liquidation so that the liabilities of creditors and other stakeholders can be taken care of," a two member bench of the NCLAT led by Justice Jarat Kumar Jain said in their judgment on October 20.

The ruling came in the CIRP process of Lanco Infratech that is facing liquidation having failed to clear clear dues to creditors including Rs 63 crore provided by Yes Bank.

The insolvent entity had signed a PPA with Gujarat Urja Vikas Nigam Limited (GUVNL) in April, 2010 for selling power generated from its 5 mega-watt solar plant located in the state. But the company was taken insolvency due to default in payment to Yes Bank. While the CIRP process of as on, GUVNL moved to terminate the PPA which was objected by Yes Bank as it would have eroded the value of Lanco project even under liquidation.

The NCLAT order will come to rescue of several power projects that are under different stages of insolvency. Close to 15 coal fired projects with about 12,000 MW capacity are facing insolvency. Several of these projects have PPA with beneficiaries while other have limited capacity PPAs.

Source: <https://energy.economictimes.indiatimes.com/news/power/power-ppas-cannot-be-terminated-during-insolvency-process/78826076>



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.



Features of latest issue (Jul-Sep 2020) of energy^η manager magazine:

- Achieving triple bottom line with servitisation ‘
- Cooling as a service’ for farmers
Servitisation benefits for energy sector
- The functional economy



Forthcoming issue:

" Energy Efficiency - Key
to post Covid recovery of
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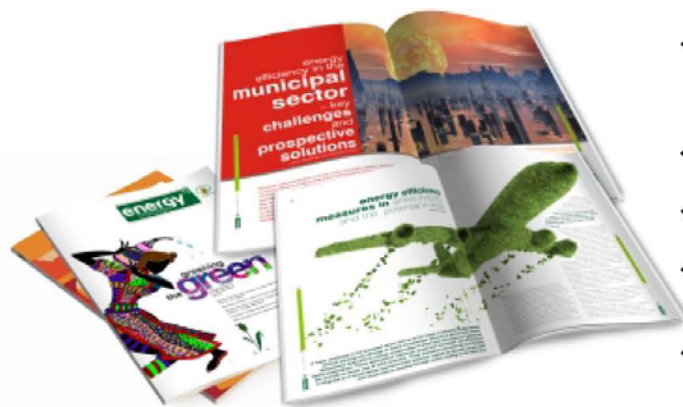
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