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SEPTEMBER 2022

society of
energy engineers
and managers

Message from President

It was hugely satisfying to note the successful culmination of SEEM awards function in Delhi during last week. The event has scaled up in numbers and technology and grandeur over the years. Big business house names were among the award winners. This year we added a new segment of innovative products in the award section. This we believe will be a win win situation to all stakeholders namely the industry, consultants a, product manufacturers and innovators. We wish to promote this segment in our future journey to the advantage of all stakeholders. We could also introduce the concepts of carbon trading and new instrumentation and automation possibilities in energy management. We are happy to note all round appreciation of the content and conduct of the event. Let me appreciate the efforts put in by our team to make this a success.

We do not intend to rest on our laurels, but keep will keep reinventing ourselves to bring passion, innovation and recognition to the domain. As we all know our domain will be in the forefront of discussions and economic and technical actions in the coming decade. I call upon all energy professionals to be alive to the situation, actively participate, keep yourself updated to catch the opportunities ahead. Give an hour a week to SEEM activities to reach out to thousands of industries, lakhs of students and professionals to enthuse them to think and live an energy prudent life. As always SEEM will be there to back you up in your efforts. This way you will grow, SEEM will grow and our Nation will stride effortlessly towards our goal of Net Zero.

Jai hind!

Dr. M.C. Jain
National President, SEEM



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EESL installs 30 lakh smart meters in Bihar, UP, others under Smart Meter National Programme

Adani Green Energy forms 3 new step down subsidiary companies for renewable energy business

India rejects Environment Performance Index 2022 that ranked it lowest among 180 countries

Patron

Dr. Brahmanand Mohanty,
Adviser for Asia, ADEME

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National General Secretary

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Mr. G. Krishnakumar
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View Point

Bracing up for a new world order

Till recently many were describing our world as VUCA- Volatile, Uncertain, Complex and Ambiguous. This framework helped us to keep watch on the trends around us and interpret them, use them to cope with the trends and even take advantage of them if possible. For about last twenty years or so business advisors used this framework to understand the world around and take anticipatory actions and strategies.

COVID -19 pandemic posed many questions which made VUCA framework look insufficient to understand or describe the situation. Thus came about the need for a more apt framework to explain the chaos around. That is how Jamais Cascio of Institute of the Future suggested a new frame work to look to the future. He proposed this new frame work with an acronym "BANI" .

B- Brittle denoting that it is susceptible to a total failure or shatter. This arises from a mindless pursuit to maximize efficiencies. We saw how fragile the world is and what havoc a virus can cause t the entire world. Even a single point of weakness can bring disaster to a system which was working fine and looking stable so far. A disruptive change can occur in the form of a competitor who changes the logic of the market altogether.

A- Anxious. By and large people have started fearing about making wrong choices. They have become anxious about not being updated about happenings. They fear about missing out. These apprehensions lead to a state of unsettled anxiety and decisions under anxiety can be disastrous. The decisions in response to challenges have to be fast and decisions marred with anxiety are not wise. This situation can lead to a state of inaction too which is also equally dangerous.

N-Nonlinear. The cause effect relations become less obvious and they defy connections in terms of proportion, time and perception. In non linear environment, small elements of causes or decisions can have multiple outcomes displaced in time location and proportion. Sometimes the effect can reinforce the cause and have a spiraling effect too. This can lead to a total misunderstanding of the start or end of a phenomenon.

I-Incomprehensible. The above characteristics of the situation make it extremely difficult to understand. It will be futile to trying to decipher all answers before making decisions. This kind of situation requires an approach which is contextual and adaptable. This situation needs to be approached with as much openness as possible to cope with events, people and technology. Organizations can resort to technologies of big data, artificial intelligence and deploy effectively with a dash of intuition to sift through data to arrive at sensible decisions.

These classifications VUCA or BANI help organizations to think through the challenges. Indeed, we are faced with the challenge of addressing challenges. This will call for more transparency, resilience, adaptability and open approaches which may characterize the organizations which tide over the situation successfully. Moreover, the challenges of climate change have posed new threats for the business and we have to gear up ourselves to face it. Energy efficiency, distributed renewable energy sources will surely empower us to meet these challenges to continuity of business.

G Krishnakumar
Immediate Past National General
Secretary & Chief Operating Officer





Five days TRAINING

On

WATER AUDIT

10 – 14 October 2022

10.00 am to 5.00pm

Venue :

ABK AOTS DOSOKAI

Nelson Manickam road, Chennai

Organized by



Society of

ENERGY ENGINEERS AND MANAGERS

Website: <http://seemindia.org>

Certificate will be issued on
successful completion of Training

Key takeaways from the Course

- 💧 Causes, Effects and Control of Non-revenue water (NRW)
- 💧 Wastewater Treatment Methods
- 💧 Recycling and Reuse of Wastewater
- 💧 Zero Liquid Discharge – Methods
- 💧 Water Audit – Types, Procedure for conducting water audit
- 💧 Water Conservation
- 💧 Instrumentation :
Smart Flow Meters & Pressure Control Valves
- 💧 Economic analysis and Payback Period

Course Fee (including GST)

General Rs.12500/-
(Early Bid Discount of Rs. 2500 for those
registering on or before Oct 5th)

SEEM Members Rs.9000/-
Students / Faculty Rs.9000/-

Registration

Link : <https://forms.gle/79smHzB4r2cvNoFD7>

About the Key Trainer



Dr. R.Pannirselvam,

Dr.R.Pannirselvam, born on 10th June 1941, is a retired Deputy Chief Engineer from Tamil Nadu Water Supply and Drainage Board and currently Guest faculty at Centre for Environmental Studies, Anna University. He is also Freelance Environmental Engineering Consultant with specialization in Wastewater Treatment.

He has a total of 58 years of experiences in planning, designing, implementing, operating and maintaining water supply and sewerage projects, preparation of Environmental Impact Assessment and teaching Environmental Engineering Subjects at Anna University.

He has B.E degree in Civil Engineering (Madras University), M.E. degree in Public Health Engineering (Madras University) and Ph.D. degree in Civil Engineering (Anna University).

He is a Life Fellow of Indian Water Works Association and Life Fellow of Institute of Public Health Engineers. He has authored and published eight books in different topics of Environmental Engineering. He is regularly delivering lectures in different topics in different Refresher Courses of field Engineers in number of Training Centers.



Other Trainers:

Dr.S.Amalraj,
Professor, Anna University
Er.S.V. Raja,
Lehry Valves
Mr. C.Sripathy,
ICCW, IIT, Chennai

Aim of Water Audit

1. To assess the level of Non-revenue water (NRW) in the facility
2. To evolve Bench mark for different uses
3. To suggest measures to reduce NRW and ensure efficient water uses
4. Economics – To arrive at the payback period

Course coverage

Day 1

Over view of Water Supply System and its components Causes, effects and control of Non-revenue water Overview of Wastewater Treatment methods

Day 2

Recycling and Reuse of Wastewater and Approaches to zero Liquid Discharge Water Audit - Types - Procedure for Conducting Audit Water Conservation and Methods for Preventing NRW

Day 3

Instrumentation - Smart flow meters Valves - Pressure Reducing Valves and Level control valves Cost Aspects of Water Supply and control measures Economic Analysis and Payback period

Day 4

Case Studies - Industrial Water Audit
Case Studies – Water Audit for Apartment Complex
Field visit to Wastewater Treatment Plant and Tertiary Treatment Plant

Day 5

Water Audit Reports Tutorial – Design of pipes - Design of pumps -Economic analysis and Payback period – Evaluation and Feed back

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SEEM

Society of Energy Engineers and Managers (SEEM) India is the National Professional body of Certifies Energy Managers, Auditors and Energy Professionals in the country launched in the year 2005 and registered under the Charitable Societies Act 1955. We are a non-governmental/non-profitable Organization with 15 chapters and 7 centres spread over 22 States and engaged in delivering networking and skill development opportunities to the members by organizing training programs, workshops etc.

Address :

Society of Energy Engineers and Managers

**SEEM Bhavan, KRAA79,
Kannammoola Medical College P.O.
Trivandrum, Kerala, India – 695011**

E-mail: seemhq2011@gmail.com

Website:<https://seemindia.org>



Electronic Leak detection Equipment





PROGRAM

Webinar on “Behavioural Nudge Techniques for Enhancing Energy Efficiency”.

Society of Energy Engineers and Managers, SEEM Karnataka Chapter welcomes you to join a webinar on “Behavioural Nudge Techniques for Enhancing Energy Efficiency”.

Date: *08-10-2022, Saturday

Time: 7.30 pm – 8.30 pm IST

Registration Link :

<https://forms.gle/vVw1KJx3fmbV15gL8>

Behaviour plays a crucial role in promoting energy efficiency, and understanding the causes and patterns behind behaviour is the key to successful energy efficiency programs. The role of behaviour is in many occasions hard to determine as there is relatively little information available on the actual effectiveness of different types of behavioural interventions implemented under energy efficiency programs.

The proposed webinar is a step towards bringing in desired results through sharing in-house challenges and developing specific measures for improvement. Practical nudge techniques are planned for developing the conversation and further to tweak as appropriately as possible in order to influence behaviour among different stakeholders.

Contact:

Mr. Benet George

Secretary

SEEM Karnataka Chapter

Mob: 09611800893 E-mail: seemkarnataka@gmail.com

Presenter



Dr. LN Vemuri- Independent Researcher on Role of Behavioural Economics and Nudging in Energy Conservation Practices. He holds M.Tech from JNTU and PhD from IIT Kharagpur. He worked as Associate Professor UPES and also worked with East India Granites, Granules India.

SEEM Fellow Member Passed Away

Sri. K K George (90), Life Fellow, SEEM Kerala Chapter passed away on 03rd October 2022.

He retired from Hindalco, and was a senior member of KSPC. He was Office bearer for many professional organisations including Institution of Engineers, HT&EHT, SEEM, ECS etc.



Heartfelt condolences to the bereaved family. May the Lord bless his family abundantly to bear the irreparable and irreplaceable loss. May his noble Soul rest in eternal peace.





REPORT

Webinar on "Energy Efficiency.... The First Fuel"

SEEM Karnataka Chapter organised a webinar on "Energy Efficiency.... The First Fuel" on 10th September 2022 at 07:30pm to 08:10 pm. This webinar explained a context on India's current energy scenario, how energy for the country is balanced, latest policies, trends and the efforts towards improving energy efficiency in the country.

Shri. I Thanumoorthi Head – Energy efficiency Centre of Excellence- Enzen Global was the presenter of this webinar. He leads Enzen's Energy Efficiency Centre of Excellence. He is an accredited energy auditor under Bureau of Energy Efficiency (BEE), Ministry of Power, India.



CREDA Awarded as Star SDA in SEEM National Energy Management Awards 2021



SEEM honoured Chhattisgarh state SDA Chhattisgarh Renewable Energy Development Agency (CREDA) as the Star SDA in the 7th edition of SEEM National Energy Management Awards 2021 on 16th September 2021 at India Islamic cultural Centre, New Delhi for exemplary performance in the Energy Conservation and Efficiency Activities in Chhattisgarh State under Energy Conservation Act 2001. Dr. Ashok Kumar, Deputy Director General - Bureau of Energy Efficiency has handed over the Certificate and Memento. Award received by Shri. Alok Katiyar IFS, CEO, CREDA, Mr. Rajeev Gyani, Superintending Engineer, CREDA and Member SEEM, and Mr. Sanjeev Jain, Chief Engineer, CREDA, Member-SEEM.

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ehitavada.com

CREDA awarded as Star SDA at national level

■ Staff Reporter
RAIPUR, Sept 18

SOCIETY of Energy Engineers and Managers (SEEM) honoured Chhattisgarh State Renewable Development Agency (CREDA) as Star State Designated Agency of Bureau of Energy Efficiency for Exemplary performance in the Energy Conservation and Efficiency activities in Chhattisgarh State under Energy Conservation Act 2001. This national level SEEM Star Performance Award 2021 was received by Alok Katiyar, CEO CREDA from Dr. Ashok Kumar, Deputy Director General, Bureau of Energy Efficiency, Government of India in New Delhi.

special function organized in New Delhi on 16th September. SEEM is a National Level non-profit organization based out in Trivandrum, Kerala. SEEM has been functioning proactively in the field of energy conservation and energy efficiency for the last 10 years. SEEMs has been organizing

national level award programmes to honor the best performing various industries, manufacturing units and institutions who have

(Contd on page 6)




हरिभूमि
रायपुर, सोमवार 19 सितंबर 2022

ऊर्जा संरक्षण में उत्कृष्ट प्रदर्शन क्रेडा को स्टार परफॉर्मेंस अवार्ड

हरिभूमि न्यूज ॥ रायपुर

छत्तीसगढ़ राज्य अक्षय ऊर्जा विकास अभिकरण (क्रेडा) को सोसाइटी ऑफ एनर्जी इंजीनियर्स एंड मैनेजर्स की ओर से राष्ट्रीय स्तर पर पुरस्कृत किया गया। ब्यूरो ऑफ एनर्जी एफिशिएंसी भारत शासन के

ग्रामीण क्षेत्र में ऊर्जा दक्षता को दिया बढ़ावा

उल्लेखनीय है कि क्रेडा ने विगत 10 वर्षों में प्रदेश में ऊर्जा संरक्षण एवं ऊर्जा दक्षता के क्षेत्र में महत्वपूर्ण उपलब्धियां हासिल की हैं। ब्यूरो ऑफ एनर्जी एफिशिएंसी भारत शासन के



REPORT

BEE Refresher Course in Kochi & Tamil Nadu

Society for Energy Engineers & Managers (SEEM) organised a BEE refresher course in Kochi on 3rd and 4th September 2022 at Institution of Engineers India Hall, Kochi. It is the 11 program in this series. Around 20 participants attended the course. Experts in our SEEM Members were the faculties of the program. The program ended with the assessment test conducted by NPC.



Course going on at IEI Hall, Kochi



Participants of Kochi Refresher Course

SEEM organised its 12th BEE refresher course in Chennai on 10th and 11th September 2022 at National Productivity Council Hall, Chennai.. Around 22 participants attended the course. Mr. P. Premkumar, Chairman, SEEM Tamil Nadu Chapter coordinated the program. Experts in our SEEM Members were the faculties of the program. The program ended with the assessment test conducted by NPC.



Participants of Chennai Refresher Course



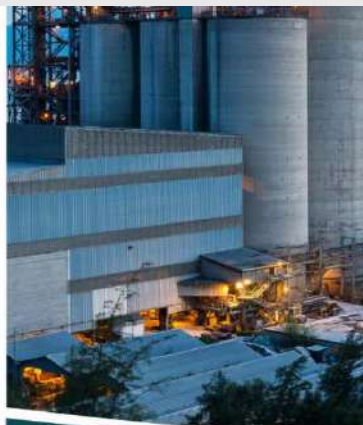
Course going on at NPC Hall, Chennai

NEWS

PROUD TO BE SELECTED
FOR 3RD TIME IN A ROW

BEE REFRESHER COURSE PROGRAM

FOR CERTIFIED
ENERGY AUDITOR &
ENERGY MANAGER



ABOUT

Bureau of Energy Efficiency (BEE) issues certificate to the qualified Energy Managers/ Energy Auditors. Under Regulation 8 of the Bureau of Energy Efficiency (Certification Procedures for Energy Managers), 2010, this certificate has to be renewed after every five years, by attending a refresher training course conducted by the Bureau or approved institute or organization.

THE FEATURES



80+ training programs to be conducted pan India



Mandatory training program for certified EA EM for renewal of certification



2-day intensive program followed by assessment by NPC and BEE

CHECK YOUR ELIGIBILITY

http://refreshercourse.in/Ref_Application5.aspx

ADDITIONAL INFO



TRAINING LOCATIONS

Mumbai, Pune, Jaipur, NCR, Chandigarh, Ahmedabad, Bangalore, Chennai, Kolkata, Hyderabad, Trivandrum, Baroda, Kochi, Guwahati & more.



QUALIFYING CRITERIA

All EA EM candidates, who have passed the National Certification Examination of BEE between 1st to 16th Exam are required to attend the refresher course program

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REPORT



16 SEPTEMBER 2022

SEEM Award Event

Award video Link:

<https://youtu.be/2Jl6eHV7MBM>

REPORT

SNEMA 2021 Highlights...





REPORT



SEEM

INDIA ENERGY CONCLAVE & AWARDS 2021

Indian Energy Conclave 2022 was organized as part of SEEM National Energy Management Awards 2021 on 16th September 2022 at India Islamic Cultural Centre, New Delhi. Around 200 energy professionals attended the conclave. India Energy Conclave 2022 started with a silent prayer. Dr. C.S. Azad, General Secretary-SEEM, delivered the welcome address. The presidential address was delivered by Dr. M.C. Jain, National President, SEEM. Mr. K. K. Chakarvarti, Former Energy Economist, Bureau of Energy Efficiency, Govt. of India inaugurated the event by watering a sapling along with other dignitaries and felicitated the function. Certificate awarded to the Life Fellows by Mr. K. K. Chakarvathi. This was followed by the technical sessions.

1st session was on the "Adoption of industry 4.0 in MSMEs" presented by Dr. Rene Van Berkel, Head UNIDO India. Presentation on Safety in Electrical circuits, instrumentation and Energy monitoring was done by Mr. Shyam Ravindran, Managing Director - M/s Sonel Instruments India Pvt. Ltd. Mr. Samrat Singh Gupta, Representative of M/s Enking Energy Services Limited shared his presentation on Carbon Trading a tool towards net zero. Mr. Sudhakaran, Chairman, M/s Sanpar Industries Pvt. Ltd shared his presentation on Compressor Management System through virtually. Mr. S. P. Garnaik, Head - Energy Efficiency, Green Finance Specialist of Global Green Growth Institutes shared his thoughts on "Energy efficiency financing". Mr. Chil Prakash, Managing Director of M/s Chilton refrigeration pvt. Ltd. presented his patented innovative, energy saving "Hot water air conditioners". Mr. Amit, Managing Director M/s Amalgamated Industrial Composites Pvt. Ltd. explained his innovative carbon fiber shaft revolutionizing pumps. Mr. Hari Balasubramanian, Director India and Middle East for M/s. Janitza Electronics shared details of advanced instruments which can automate your energy management. Mr. R. Jayakumar, Vice President- SEEM offered the vote of thanks.





REPORT



SEEM National Energy Management Awards (SNEMA) 2021 was held on 16th September 2022 at Indian Islamic Cultural Centre, New Delhi. The grand function was attended by many energy professionals from the different sectors. Dr. Ashok Kumar - Deputy Director General - Bureau of Energy Efficiency was the Chief Guest of the award function. Mr. K. K. Chakarvarti, Former Energy Economist, Mr. S.P. Garnaik, Head Energy Efficiency, Green Finance Specialist of Global Green growth Institutes were the Special Guests. Platinum, Gold, Silver and Star Performance awards in various sectors of different categories like industries, facilities, corporate and individuals were conferred on the winners selected by the national jury appointed by SEEM. This has been the 7th version of SNEMA; in the previous year the award function was a virtual event. A number much higher than that of the previous years won the awards this time; more than 150+ nominations were received for SNEMA 2021.

The programme started around 02:00pm with the welcome speech by Dr. C. S. Azad, General Secretary – SEEM. Dr. M. C. Jain, President – SEEM delivered the presidential address. Mr. G. Krishnakumar, Chairman – SNEMA 2021, in his address presented the selection process and highlighted the efforts to recognize quality and merit. Dr. Ashok Kumar, Deputy Director General- BEE was inaugurated the event by watering a sapling along with other dignitaries and felicitated the function.





REPORT

In the inaugural session, we had a message from the gifted actor of many accolades Padmabhooshan Bharat Mohanlal. In addition to being a great actor he takes active interest in socio cultural activities. Viswashanti foundation, the cultural organisation founded by Shri. Mohanlal, is into many environmental uplift activities. Recently they have embarked on an initiative to make schools in Kerala green by adopting energy saving measures. Shri Mohanlal wished SEEM Award all success and congratulate all the award winners. This was followed by the Award distribution.



Individual Awards

Exemplary contribution award was conferred on **Ms. Mili Majumdar**, Managing Director, GBCI India, Senior Vice President, U.S Green Building Council



Founder Architect Award was conferred to **Mr. R. Jayakumar**, Former Chairman SEEM awards, Vice President-SEEM.



SEEM Contribution Award received by **Ms. Mini B.J.**, Deputy Manager & **Ms. Saranya Mohan I.**, Assistant Manager of SEEM



Star SDA Award received by **Chhattisgarh Renewable Energy Development Agency (CREDA)**



Star SEEM Chapter Award received by **Karnataka Chapter.**



Star Performance Award in Certified Energy Manager category received by **Mr. Manoj Dhirajlaal Pippalia**



Innovative Products of the year received by **Free Hot water - Air conditioner** by **M/s Chilton refrigeration Pvt. Ltd.** and **Energy saving vertical Pump shaft** by **M/s Amalgamated Industrial Composites Pvt. Ltd.**





REPORT

SEEM Platinum Awards received by Ipca Laboratories Limited, Madhya Pradesh, Dr. Reddys laboratories limited (FTO-3), Delphi-TVS Technologies Ltd, Kancheepuram, Tamil Nadu, Hanon Automotive Systems India Pvt. Ltd, Tamil Nadu, JSW Energy Ltd. Ratnagiri, Maharashtra, CPP 1215-Vedanta limited, Jharsuguda, Odisha, Jindal Stainless (Hisar) Limited, Haryana, Godawari Power & Ispat Limited, Raipur, Apollo Tyres Limited, Perambra, Kerala, JK Tyre & Industries Ltd, Chennai Tyre Plant, Tamil Nadu, Shree Digvijay Cement Company Ltd, Jamnagar, Gujarat, Orient Cement Limited, Devapur, Telangana, Nuvoco Vistas Corporation Limited, Chittorgarh, Rajasthan, KEC International Limited, Jaipur, Rajasthan, BILT Graphic Paper Products Ltd, Ballarpur Unit, Maharashtra, United Breweries Limited, Odisha, ITC Limited Agri Business Division, Chirala, Andhra Pradesh, Vedanta Limited, Smelter-1, Jharsuguda, odisha, Allianz Services Pvt Ltd, Trivandrum, Kerala, The Leela Palace Udaipur, Rajasthan.

SEEM Gold Awards received by Carborundum Universal Limited, Ernakulam, Kerala, Dodla Dairy Limited, Palamaner, Andhra Pradesh, Apollo Tyres Limited, Kalamassery, Kerala, Birla Century, Gujarat, Raymond Limited, Chhindwara, Madhya Pradesh, Godrej Consumer Products Limited, Madhya Pradesh, JSW Steel Coated Products Limited, Boisar, Maharashtra, KEC International Limited – Nagpur, Schneider Electric India, Hyderabad, MSP Steel & Power Ltd, Raigarh, Ashok Leyland-Foundry Division, Sriperumbudur, Tamil Nadu, JSW Energy Ltd, Bellary, Karnataka, Vedanta limited, Smelter # 2 Special Economic Zone, Jharsuguda, Orient Cement Limited, Chittapur, Sree Jayajothi Cements Pvt Ltd, Andhra Pradesh, Birla corporation Limited Chittorgarh, J K Cement Works, Haryana, Ashok Leyland Limited, Pantangar, Uttarakhand, TATA Coffee Limited, TamilNadu, Bajaj Energy Limited, Uttar Pradesh, Quest Global Engineering Services Pvt Ltd, Kerala, Allianz Technology SE, Pune, Maharashtra, RM Education Solutions India Pvt. Ltd, Kerala, ICICI Bank, Ambattur, Tamil Nadu, ICICI Bank, Cenotaph Tower, Tamil Nadu, ICICI Bank, Mythri Tower, Karnataka, The Leela Palace, Chennai, Rajagiri hospital, Kerala, Adani Ahmedabad international airport limited, Taj Club House, Tamil Nadu, VSL Prayag Energy Systems & Services, Tamil Nadu.

SEEM Silver Awards received by Centum Electronics Limited, Bangalore, Karnataka, Centum Electronics Limited, SEBU division, Bangalore, Karnataka, The Metal Powder Company Limited, Tamil Nadu, Nitta Gelatin India Limited, Kerala, JSW Steel Coated Products Limited, Vasind, Thane, Maharashtra, Vedanta Limited 4x600 MW TPP, Jharsuguda, Odisha, RCCPL Pvt Ltd, Maihar, Madhya Pradesh, Skanem India Pvt. Ltd, Maljipada, Maharashtra, Baby Marine International, Kerala, Param Renewable Energy Private Limited, Bangalore, Karnataka, Blue Craft Agro Pvt Ltd, Haryana, ICICI Bank Ltd, Trichy, Tamil Nadu, ICICI Bank Ltd, Erode, Tamil Nadu, ICICI Bank Ltd, Ootey, Tamil Nadu, ICICI BANK Ltd, Bendoor, Karnataka, ICICI BANK Ltd, Koramangala, Karnataka, ICICI BANK Ltd, Kundrathur, Kancheepuram, Tamil Nadu, ICICI BANK Ltd, Chengelpet, Tamil Nadu, VISAT ENGINEERING COLLEGE, Kerala, Greenleaf Green Solutions Private Limited, Bangalore, Geoliv Infrastructure And Realty, Kerala.

Award winners were present to receive the awards proves the relevance and acceptability of SEEM Awards. The India Islamic Cultural Centre was filled by winners and guests. Student volunteers of Delhi Technological University and Amity University conducted the function with enthusiasm. Mr. G.Krishnakumar, Chairman – SNEMA 2021 offered the vote of thanks.



National Award Secretariat

C/o Dr. Azad, General Secretary - SEEM,
Engineers Bhawan, Institution of Engineers, ITO, New Delhi.

Call for queries : Ms. Saranya : +91 944 606 7607

Email : awards@seemindia.org



Opportunities in SEEM

1. Become SEEM Member
2. Get updated professionally and on sustainability
3. Show case your passionate self as Faculty in SEEM programs
4. Get elected as a leader – State and National Levels
5. Write for SEEM's Energy Manager Magazine. Be on editorial forum
6. For a creative media person, SEEM is the right place
7. If you a PR person for sustainability – SEEM is your hometown !
8. Be an ambassador for the right organisation to win SEEM Awards
9. Be a member of delegation on international exchange programs
10. Work on international programs as a team member, leader
11. Work as Energy Auditor, lend your instruments, resource persons
12. Work for energy surveys, policy studies
13. Work on chapter and membership development
14. Work for student chapters – existing and create new ones
15. Create new state and international chapters
16. Collaborate with SEEM for professional programs, studies



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Become a part of the SEEM tree which is growing to make the earth green....



"Energy manager" magazine



SEEM is for...

SEEM's aim is to provide a clean and green earth by integrating energy efficiency and conservation of natural resources into activities

- Foster energy efficiency in all sectors of the economy
- Immense & distinctive initiatives
- Students to establish & flourish their skills in the Energy sector
- Create opportunities for industry professionals, consultants, entrepreneurs, experts
- To create skill development opportunities to members
- Organizing training programs, workshops
- Organizing technical digest service
- For Certified Energy Managers
- For Auditors and energy professionals
- Organize energy related research
- Energy Equipment Manufacturers, Distributors, Marketing Agencies

Present Network of SEEM



- More than 2567 energy industry professionals
- A network with International / national energy agencies; state designated / nodal agencies and non-government organizations
- Building a network of student chapters



2567 Energy Professionals



National Presence
22 states



15 Chapters &
7 Centers



13 Student Chapters



NEWS

Puducherry electricity dept staff detained for protesting against privatisation plans

Puducherry: Over 300 striking staff of Puducherry government's electricity department were taken into custody when they held a demonstration at the head office here to oppose the dispensation's move to privatise power distribution. A group of employees gathered at the main entrance of the head office in Uppalam late on Sunday night raising slogans. Police intervened and initially made appeals to the staff to disperse.

But the staff continued the agitation and police detained all the employees by lodging them in a community hall on the precincts of state-run JIPMER last night.

The Union Territory administration had earlier on Sunday declared as 'illegal' the ongoing strike by electricity department staff.



Home and Electricity Minister A Namassivayam had warned the staff that the government would take stern action if the staff persisted in the strike.

The administration has reasoned that the proposal to privatise power distribution was "to increase efficiency and consumer satisfaction".

Twenty-four staff of the central power grid have been requisitioned to ensure that power supply was not disrupted anywhere in the UT.

The government also requisitioned paramilitary forces and deployed the personnel at various centres, including power installations, to prevent any disruption.

Power supply which was hit on Saturday night across Puducherry region was restored in a phased manner much to the relief of the residents.

Lieutenant Governor Tamilisai Soundararajan, who reviewed the situation by holding discussions with officials of the electricity department, had warned the striking staff that the government would not hesitate to invoke provisions of the Essential Services Maintenance Act (ESMA) in the larger interest of the public.

Opposition Congress legislator M Vaithianathan, who held road roko agitation along with residents of his constituency on Saturday, told reporters on Sunday that the staff should not cause hardship to the people with frequent power outages.

"We are against privatisation of the power sector. But the staff should not hold the people to ransom through disruption in power supply," he said.

The staff have been on strike since September 28 protesting the move to open up power distribution to private discoms.

Source: <https://energy.economictimes.indiatimes.com/news/power/puducherry-electricity-dept-staff-detained-for-protesting-against-privatisation-plans/94616444>

EESL installs 30 lakh smart meters in Bihar, UP, others under Smart Meter National Programme

State-owned [Energy Efficiency Services Limited](#) (EESL) on Monday announced it has installed over 30 lakh smart prepaid meters across five states and union territory Andaman and Nicobar under its [Smart Meter National Programme](#). EESL has completed the installation of over 10.5 lakh smart meters in Bihar, 11.57 lakh smart meters in [Uttar Pradesh](#), 1.24 lakh in Rajasthan, 5.3 lakh in Haryana, around 64,000 in [NDMC](#) area of Delhi and 74,000 smart meters in Andaman and Nicobar, the company said in a statement.



NEWS

"The company has agreements with the state-designated agencies and utilities in these regions for the large-scale deployment of smart meters. EESL further aims to install a total of over 47 lakh smart meters by December 2023," it said.

These smart meters optimise the operational performance of power distribution companies (DISCOMs) by increasing the billing and collection efficiency, reducing the operation and maintenance cost, and enhancing the quality of service, EESL said.

"EESL is deploying India's first large-scale smart metering project under the Smart Meter National Programme (SMNP), in states of Uttar Pradesh, Bihar, Haryana, New Delhi and Andaman. EESL has taken IoT services from BSNL, Jio and Vodafone Idea for the network connectivity in DISCOMs. We are also working in association with Larsen & Toubro Ltd (L&T), Robert Bosch and EDF energy, which provide unique system integration solutions," Arun Kumar Mishra, CEO of EESL, said.

According to its website, Smart Meter National Programme aims to replace 25 crore conventional meters with smart meters in India.

A smart meter is connected through a web-based monitoring system which will help to reduce commercial losses of utilities, enhance revenues and serve as an important tool in power sector reforms.

EESL is a joint venture of four power sector public sector undertakings NTPC Limited, Power Finance Corporation Limited, REC Limited and POWERGRID Corporation of India Limited. It focuses on solution-driven innovations in the power sector.

Source:
<https://energy.economictimes.indiatimes.com/news/power/eesl-installs-30-lakh-smart-meters-in-bihar-up-others-under-smart-meter-national-programme/94630974>



Adani Green Energy forms 3 new step down subsidiary companies for renewable energy business

New Delhi: Adani Renewable Energy Holding Four Limited has incorporated three new subsidiary companies for renewable energy business. In a statement on Monday, Adani Green Energy Ltd (AGEL) said Adani Renewable Energy Holding Four Limited is its own subsidiary and the newly incorporated entities are its step-down subsidiaries.

"Adani Renewable Energy Holding Four Limited has incorporated 3 new subsidiaries. The main objective of the new subsidiaries is to generate, develop, transform, distribute, transmit, sale, supply any kind of power or electrical energy using wind energy, solar energy or other renewable sources of energy," it said.

The names of three new subsidiary companies are Adani Renewable Energy Thirty Six, Adani Renewable Energy Forty Limited and Adani Renewable Energy Forty Seven Limited.

The subsidiaries were incorporated and registered with the Registrar of Companies, Gujarat at Ahmedabad on October 3, 2022 and are yet to commence its business operations.

Source:
<https://energy.economictimes.indiatimes.com/news/renewable/adani-green-energy-forms-3-new-step-down-subcompany-companies-for-renewable-energy-business/94630532>





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India rejects Environment Performance Index 2022 that ranked it lowest among 180 countries

New Delhi: The environment ministry on Wednesday rebutted the Environmental Performance Index 2022, which ranked India at the bottom of a list of 180 countries, saying some of the indicators it used are extrapolated and based on surmises and unscientific methods.

The index published recently by the Yale Center for Environmental Law and Policy and the Center for International Earth Science Information Network, Columbia University, used 40 performance indicators across 11 categories to judge countries on climate change performance, environmental health and ecosystem vitality.

The Environmental Performance Index (EPI) 2022 released recently has many indicators based on unfounded assumptions. Some of these indicators used for assessing performance are extrapolated and based on surmises and unscientific methods, the ministry said in a statement.

A new indicator in the climate policy objective is 'projected GHG emissions levels in 2050'. This is computed based on the average rate of change in emission of the last 10 years instead of modelling that takes into account a longer time period, extent of renewable energy capacity and use, additional carbon sinks, energy efficiency etc. of respective countries, the ministry said.

Forests and wetlands of the country are crucial carbon sinks but have not been factored in while computing the projected GHG emissions trajectory up to 2050 given by EPI 2022. Historical data on the lowest emission trajectory has been ignored in the computation, it said while rejecting the analysis.

The ministry said the weight of the indicators in which India performed well has been reduced and the reasons for such change have not been explained in the report.

For example, for black carbon growth rate indicator, India's score has improved to 100 in 2022 from 32 in 2020, whereas the overall weight of the indicator is reduced to 0.0038 in 2022 from 0.018 in 2020, it said.

"No indicator talks about renewable energy, energy efficiency and process optimisation. The selection of indicators is biased and incomplete...Per capita GHG emissions contribute only a miniscule 2.6 per cent weight overall in the index," it said.

The principle of equity is given very low weightage in the form of indicators like GHG emission per capita and GHG Emission intensity trend. The CBDR-RC principle is also barely reflected in the composition of the index, the ministry said.

Common but Differentiated Responsibilities and Respective Capabilities (CBDR RC) acknowledges the different capabilities and differing responsibilities of individual countries in addressing climate change.

The indicators on water quality, water use efficiency, waste generation per capita which are closely linked to sustainable consumption and production are not included in the Index, the ministry said.

The index emphasises on the extent of protected areas rather than the quality of protection that they afford. Management, effectiveness and evaluation of protected areas and eco-sensitive regions is not factored into the computation of biodiversity indices, it said.

The index computes the extent of ecosystems but not their condition or productivity. It did not include indicators like agro biodiversity, soil health, food loss and waste even though they are important for developing countries with large agrarian populations.



Source: <https://energy.economictimes.indiatimes.com/news/renewable/kkr-backed-virescent-in-final-discussion-to-acquire-100mw-solar-assets-from-jakson-group/93950767>



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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

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