

*A monthly newsletter of  
Indian Association of Energy Management Professionals*

# **THE URJA WATCH**

**September 2009, Vol. II/Issue 15**

*It is about “Conscience Keeping on Energy Matters”*

**IAEMP-YAHOO!  
GROUPS**

**EMPOWERING  
ENERGY  
PROFESSIONALS**

**IAEMP-YAHOO! GROUPS  
EMPOWERING ENERGY PROFESSIONALS**

**What's inside...**

❖ <b>From the Editor...</b>	
<b>Empowering Energy Professionals</b>	<b>2</b>
❖ <b>Letters to the Editor</b>	
<b>-Views on IAEMP-Yahoo! Groups</b>	<b>6</b>
❖ <b>The History of IAEMP-Yahoo! Groups</b>	<b>8</b>
❖ <b>Other IAEMP Yahoo Groups</b>	<b>32</b>
❖ <b>The Power of a watt of Power</b>	<b>33</b>
❖ <b>Upcoming Events</b>	<b>35</b>

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## **From the Editor's Desk...**

### **EMPOWERING ENERGY PROFESSIONALS**

Dear Readers,



We are entering an era that is creating new opportunities for professionals. As a result of ongoing advances in information technology, several dramatic shifts have occurred in the way we communicate. A notable shift in recent years is the creation of internet-based groups. In this issue, we discuss how such groups are empowering energy professionals.

Three years ago, a small group of energy professionals got together and launched the Indian Association of Energy Management Professionals (IAEMP). The objective of this association was to harness the talent of its members and engage in activities that would promote energy efficiency and lead to achieving energy independence for India. IAEMP is growing rapidly and in many ways, this growth can be attributed to leveraging Yahoo! Groups, a free internet-based social networking service.

What exactly is a Yahoo! Group?

A Yahoo! Group is any group — your family, friends, business associates, your professional group, and others having common interest— that uses Yahoo! Groups to privately share information, ideas, images and more — on the world wide web. The Web-based service is free, secure and spam-protected. All you need to join a group is a reliable internet access and a basic e-mail program. No special high-cost software is required.

Founded by two electrical engineering graduates Jerry Yang and David Filo, Yahoo is the acronym for "Yet Another Hierarchical Official Oracle." Some people say it also means "You Always Have Other Options." Whatever be the description, it works on the simple principle that on the internet anyone can be an information provider or an information consumer. A large amount of material can be placed on the internet to reach a single person, a handful of people, or a huge group.

Today, in the internet world, Yahoo! Groups is considered a dinosaur. Over 100 million subscribers to Yahoo! use eight million groups globally.

The IAEMP-Yahoo! partnership is connecting a highly-dispersed family of energy professionals. In the group, members can share their professional achievements, knowledge, joys and frustrations. The forum provides an excellent opportunity to learn, update information, sharpen skills, and win recognition. Through the group, one can seek advice and guidance from the seniors. It's a great place to make contacts and get the word out quickly to people who matter.

Beginning with a single Yahoo! Group, IAEMP later launched an "Expert Group on Energy Efficient Data Centers", and most recently one more Yahoo! Group on "Home Energy Management Program (HEMP)."

### **The Empowering Process**

Human beings are amazing problem solvers. They are constantly figuring out ways to improve processes. Or make them easier. They have the ability to learn from what they do and also from observing what others do. In today's highly competitive and fast-changing world, one has to unleash the inherent creative energy to continue in the path to success.

Empower means "putting power into," and it can also mean "bringing energy and enthusiasm out of." Every individual craves for self-esteem -- a sense of being important, valuable, and worthwhile. While governments are generally insensitive to this basic individual need, non-government organizations like IAEMP recognize this need and leverage it to attain their goals. Through well-planned strategies such as providing attention and appreciation, the IAEMP-Yahoo! Groups are effectively empowering and motivating members to share their expertise. A recent example of this empowerment is the staggering number of innovative energy-saving ideas put forth by energy professionals in "The Urja Watch" - June 2009.

There is profusion of government policies, agencies, and technologies that could help the country to extend the energy reach. There is also confusion caused by multiple issues. The solutions often are wide-ranging and take time to develop and implement. One quick solution, however, seems to remain constant: an empowered community of energy professionals. Why not tap the skills of this readily-available community, to accelerate energy efficiency projects and reduce the energy demand-supply gap? After all things said and done, empowered professionals are the fundamental basis of an empowered nation.

Energetically,

S. Subramanian  
Editor

# IAEMP Birth Day Wishes

Sat Sep 5, 2009 6:43 pm

Happy Birth Day!

My Best wishes for 3rd Birthday of IAEMP, I wish the IAEMP group to achieve a lot in future making the world turn around you.

Manjunath

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Sun Sep 6, 2009 8:07 am

You were born with potential.

You were born with goodness and trust.

You were born with ideals and dreams.

You were born with greatness.

You were born with wings.

You are not meant for crawling, so don't.

You have wings.

Learn to use them and fly.

The world can stop you only temporarily. The only one who can stop you permanently is yourself. So keep going.

N. Ravishankar

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IAEMP yahoo group is doing excellent job. Happy birth day.

Sivasubramanian, Chennai

# IAEMP-Yahoo! Group

By Ravindra Datar

The IAEMP-Yahoo! Group has been doing a great job! We have a great team of energy conservation professionals from diverse fields - from illumination to captive power plants and from solar heaters/lanterns to large capacity wind mills and solar power plants. The group has been very quick and responsive in a sense that a single query generates innumerable responses in less than 24 hours. I suppose this is the fastest and obviously the most economical way of accessing relevant information.

Having said this, I somehow felt that the exchanges remain inconclusive. I could never really understand if the person is satisfied with the replies. Whether the replies have been useful to him in any way, say in taking a decision or educating him. The persons replying the question really remains clueless about effectiveness and correctness of their suggestions. This at times could hamper their readiness to reply to future queries.

At times, the discussions go on endlessly for quite some time and a commoner like me loses track and interest in the topic.

I, therefore, have the following suggestions to make the discussions more meaningful for every one.

- Any one who raises a question should also take the responsibility to compile the replies and prepare a summary report.
- The report can also find a place in "The Urja Watch."
- The questioner should also inform the group if the question was answered and whether the replies were satisfactory.
- In case the questioner generates a revenue from the replies, then he may donate a token amount to IAEMP.
- There should be some moderation, albeit in a gentle way, on the quality of questions and replies.
- The moderator may also intervene if the discussion prolongs endless without any value addition to the group members.

# **My view of IAEMP-Yahoo Group**

By R. Vaidyanathan

I am Vaidyanathan. I passed the Energy Auditor Examination in 2006. At that time, I was keen on starting my practice as an Energy Auditor. I wanted to establish contacts with other Auditors to exchange ideas and mutually help each other. Fortunately for me, the IAEMP group was then formed and there were many technical discussions taking place in the group. I then became one of the founder members of this group. My knowledge in many of the areas was limited and it was here that I got to know the basics of subjects like solar energy. In one discussion on modern lighting, the limitations of LEDs were discussed. It was highly informative. I had recently queried about the energy saving opportunities in CNC lathes and the response was wonderful. This group has experts from different fields who are willing to share their knowledge with others. This is really remarkable.

Many persons who were aspiring to become Energy Auditors posted questions about the BEE examination and the method of study. Some of us seniors took it upon ourselves to encourage these youngsters and give them good advice.

Mr. Sood then brought out the Vision Document which targeted 2022 as the year by which India should become Energy Independent. He also proposed simple measures which can be taken up to save energy at home. These were good measures which captured media attention and brought popularity to the group.

In course of time an e-magazine called “The Urja Watch” was started. It published the group’s opinions and every month a different topic was covered. There was some discussion about the number of Energy Auditors being admitted as candidates. It was a predominant topic as there was practically no scope of employment for these persons who have qualified after slogging hard for months. For many of them, the subjects covered were totally different from what they had learnt previously in their academic courses. It was felt that only the implementation of the Energy Conservation Act 2001 (EC Act) would provide work for the bulk of Energy Auditors and Energy Managers. Then, vociferous members voiced out the inadequacy of BEE in taking up this task and continued blaming this organization for their inaction. I had felt that the blaming was not justified and I used to voice my opinion in favour of BEE.

But later, I understood the need for implementation of the EC Act and I myself have approached several Industrialists who have no knowledge of energy efficiency and do not bother to take up steps to reduce their energy consumption. Since the electricity companies levy a fine, they install power factor capacitors. This indicates that only the fear of punishment leads people to take up such measures. Considering this we can derive that the EC Act should be implemented and the penalties and punishments should be made strict. This is a logical conclusion. However, I still feel that it would not be correct to force people to do what is necessary. Anything done under duress leads to the failure of the system in the long run. I do not wish for that to happen.

I hold the opinion that creating awareness among the people would be a better method to inculcate the habit of energy saving in the people. Children are the future of India. If they develop an understanding of energy efficiency and sustained living, our country has a bright future. On deeper thought, we can see that the painting and other programmes of BEE would be helpful and they need not be deemed as crimes. In short, I have the feeling that BEE is slow on the implementation process but I do not subscribe to the radical opinion that many in the group hold.

However, I appreciate the free and candid technical discussions being held in the group and intellectuals like Professor Chandak, Mr. T Jayaraman, and several others contribute significantly to the development of knowledge in the energy field. I am happy that this group has now completed three years and I pray that this mission of spreading knowledge will go on from generation to generation.

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*A response to Mr. Vaidyanathan's views:*

I endorse the very well presented views of Mr. Vaidyanathan.

IAEMP Yahoo group has proved to be a very effective platform for sharing of knowledge which is immensely useful to energy managers and auditors. It will help in the long run to achieving energy conservation goals.

Awasthi S.R.  
General Manager/BHEL

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## **The History of IAEMP – Yahoo! Group**

By Sunil Sood

The IAEMP-Yahoo! Group has completed 3 years of its fruitful existence on 5<sup>th</sup> September 2009. It was initially started exclusively for members of the Indian Association of Energy Management Professionals. At that time, another group AIEAEM (All India Energy Auditors and Energy Managers) started by me on 28<sup>th</sup> January 2006 was already in existence and had many non-IAEMP members. IAEMP was formally registered on 28<sup>th</sup> August 2006. It was then decided that we will have a separate group only for IAEMP members and it would be used for learning. It would also serve as a platform for discussions related to organizational matters and decision making.

I chose an apt day of 5<sup>th</sup> September, celebrated as ‘Teacher’s Day’ to mark the birth anniversary of Dr. S. Radhakrishnan, to launch the group as I thought that the new breed of energy management professionals may need a lot of learning on the ground realities of renewable energy and energy efficiency.

Initially, the existing group AIEAEM was meant to continue as a general group but it so happened (I call it a ‘Divine Intervention’) that on 8<sup>th</sup> October’06, I suddenly deleted the AIEAEM yahoo group. The group was not heading in the right direction as I wanted it to be. My unilateral decision was not liked by many people and one of the members of the group Mr. Manu Sharma immediately formed another group “Green-India” in google and included all the members of the earlier AIEAEM yahoo group deleted by me. Not many members of the ‘Green-India’ group as it is called now know the background of its formation. The group is well moderated by Mr. Manu Sharma. I am glad that my destructive action resulted in formation of another good group!

Coming back to the present group; in the year 2007, it was selected by Yahoo! India as an example of Yahoo’ contribution in building up of online communities (See coverage in next page). At that time the group’s strength was less than 150. It is now over 2100. The group has grown over 15 times in 3 years and its strength is growing everyday. The membership is now open to all who are working in the field of energy conservation, energy efficiency and renewable energy. Members include top officials from government agencies, experienced professionals and also fresher in the field.

## CONSCIENCE KEEPERS

# This group's really shouting Yahoo after publishing a book

By MADEVIRA RAO  
madvira.raj@bavinc.com  
KARNATAKA

Think writing a book means endless hours of research, isolation and writer's block? Not if you're one of the 150 members on Sanil Kumar Sood's online group devoted to discussing energy conservation.

Founded exactly two years ago in 2006, on Republic Day, the group, a branch of 52-year-old Sood, has launched a book based on the results of correspondence in response to a single question: How Can India Achieve Energy Independence by 2022?

That also happens to be the title of the 130-page book, self-published by the members in August; about 750 copies have been distributed.

While copies have been distributed to government agencies free of cost, others pay Rs150 per copy. Group members led by Sood have pitched in Rs45,000 for printing.

Their success, in many ways, shows the innovative ways users are using Yahoo Groups, a free Web-based social networking service that provides a community build-

ing platform.

Yahoo India has seen a 60% rise in the number of users of online collaboration in India. India represents the second largest user base of Yahoo Groups after the US.

According to LM. Swaminathan, director of communica-

tion and community products, Yahoo Web Services India Pvt. Ltd, more than 100 million subscribers use eight million groups globally.

Sood, a mechanical engineer working in Bangalore-based public sector undertaking, Muzen Ltd (formerly Met-

allurgical and Engineering Consultants India Ltd), emailed 400 professionals across various industries, inviting them to participate in what he calls "a mission of energy conservation in India". Those who responded formed the "Indian Association of Energy Management Professionals (IAEMP)", or as Sood more loquaciously calls them, the "conscious keepers in nation an energy matters."

Sood started the online group matter to interact and exchange ideas. "Concrete ideas related to every aspect of the book's contents were ex-

changed online. Chapter-wise content was uploaded online on which members would brainstorm online. Even the art work and ideas for the cartoons took shape through online discussions," says Sood, president of IAEMP.

Yahoo India says it believes that this is the first time that a book has been written by pooling together ideas of members of an online group.

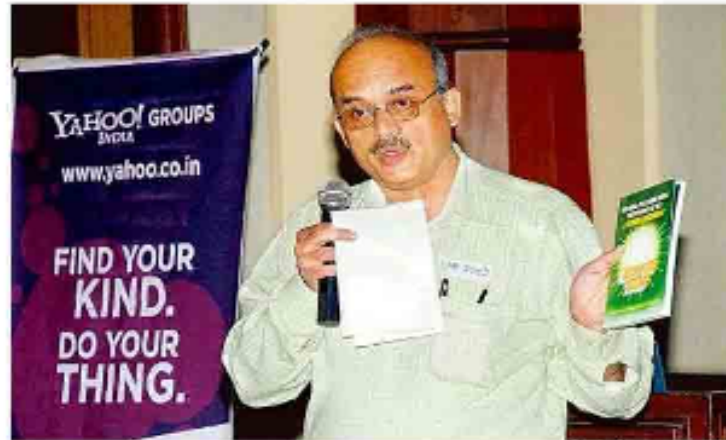
Ideas generated include a refrigerator that has both hot and cold chambers; an exercising machine that also works as a water pump or a battery charger; a pumpless desert water cooler; solar cookers in rural areas.

To brainstorm ideas on energy conservation policies, research and development road map and ways to address the country's energy requirements, members chose other tools such as Yahoo Messenger, a chat client available on Yahoo.

The group stands out as unique among the numerous online fan clubs or alma mater mailing lists.

"They have taken online collaboration very seriously to address issues such as health care, energy management, and education," says Yahoo's Swaminathan.

In India, groups are becoming highly specialized. Consider a group created by doctors to discuss rare and difficult surgery cases, one that helps people in C++ programming or even another that carries out restoration of temples.



Online collaboration: IAEMP president Sanil Kumar Sood with the book *How Can India Achieve Energy Independence by 2022?*, an outcome of ideas pooled together by members of the online group.

Apart from me, the group is now having two moderators in Mr. Suhas Khandekar, Vice President, IAEMP and Mr Ravindra Datar, Central Council Members, IAEMP. We go through each mail before approving the same for publication. Sometimes offending mails also pass through but it happens very rarely.

In the last 3 years of its existence, group members have had discussions on almost all the topics relevant to energy efficiency and renewable energy. The group is also used to help the newcomers to promote their services. Tons of information is uploaded in the files section for ready reference of the members. The group is also utilized for taking polls on some topic of relevance. We even utilized the group for conducting our elections!

The group's strength lies in its members who are ever willing to contribute. So much information which is not readily available elsewhere is sometime exchanged within a few hours. In the following paragraphs ,I am giving excerpts from some of the e-mails exchanged just to provide you an idea on how swiftly information has passed through members and the results.

## MESSAGES ON THE IAEMP VISION DOCUMENT

1. Sat Oct 14, 2006 9:23 am

Dear Friends,

I have posted IAEMP Vision Document -Chapter 1 & 2 under 'Files.' It needs refinement. You are requested to go through the same and give your comments within a week.

(S.K.Sood)

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2. Sun Oct 15, 2006 9:16 pm

Dear Mr.Sood,

I went through the Vision Document of IAEMP. I hope it would open up the visions of the persons at BEE/MOP.

I always wonder how you find time to collect so much data and write it as a well thought out and long range planning document.

I liked the wordings of yours: The words marked in blue are my thinking on the point.

1. Good rhetoric but poor economics
2. Why countries like Japan are more energy efficient than us?

My feeling is: 90% due to the positive and nationalist attitude of the Japanese, 10% only due to technological advancement

- 3.Website created awareness rather than taking action
4. The claims of the MNES can not be relied on.

I have also written about this in my book

5. Miniscule strength of BEE to handle E.C.Act.

I have my own doubts about the viability of the state level BEE'S which may clash with DA's. You are free to work out your plan in your way.

P.Balasubramanian, B.E.M.Sc. (Heat Power Engg). F.I.E.(India)  
Chairman and Managing Director  
Separation Engineers Private Limited

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**3.** Sun Oct 15, 2006 4:42 pm

Dear Mr. Sood,

Thanks for mailing the Vision Document. I have gone through the contents of the document.

India cannot achieve 'Energy Independence' unless it develops technologies indigenously for which a major thrust on R & D is needed. I, therefore, suggest the following subject as an addition to the caption "Suggested Road Map". You can modify it, if required.

"MAJOR THRUST ON RESEARCH & DEVELOPMENT IN ENERGY SECTOR"

To meet energy requirement presently India imports about 75% of oil and 20% of coal. As India's fossil fuels reserves are limited, the imports are likely to increase further for sustaining growth. Moreover, increased use of fossil fuels will enhance the emission of green house gases causing global warming. India has to have, therefore, major thrust on R & D for developing technologies for the renewable sources of energy like solar energy , wind energy ,wave & tidal energy ,bioenergy , biofuels , thorium based nuclear reactors , nuclear fusion technology , use of hydrogen as fuel and energy efficient equipments & appliances for reducing energy intensity .

M.P. Sinha

**4.** Mon Oct 16, 2006 11:11 pm

Dear Mr. Sinha

Nice to hear about thrust on R & D for Energy Security.

I am not an expert on this subject. I read about Integrated Coal Gasification Combined Cycle power plant achieving success for commercial exploitation in the near future, and Reliance Energy also having plans to venture full scale into this. In spite of high ash content in Indian coal, an IGCC power plant could prove helpful to us, even if it

generates lot of fly ash. Fly ash mitigation is being taken care in new national building codes as it is used in siporex blocks in place of burnt bricks.

Construction industry is showing phenomenal growth rate. Hence an IGCC plant generating electricity and also producing fly ash could prove beneficial for the buildings and real estate sector. It also reduces dependency on portland cement or pozzolana cement.

This approach will reduce some amount of energy consumption by cement industries which are power intensive, help IGCC plants to reach commercialization and also make good use of Indian coal and also the unwanted baby - FLY ASH.

However, cement industries could see this as a potential threat to their existence.

Vikas Apte  
Managing Committee Member - IAEMP, Mumbai

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**5.** Tue Oct 17, 2006 12:48 pm

Dear Mr. Vikas Apte,

NTPC & BHEL are jointly setting up an IGCC demonstration plant with 100 MW capacity costing around Rs. 800 Crores at Auraiya. The objective of this Project is to develop a coal based Integrated Gasification Combined Cycle (IGCC) plant to demonstrate electric power generation on a clean coal technology platform, specially suited for high ash Indian coals.

The Project is a 125MW (nominal) coal based Integrated Gasification Combined Cycle Demonstration Plant to generate power by producing coal gas in a pressurised fluidized bed coal gasifier and firing the low calorific value coal gas in a high efficiency combined cycle plant.

B Satyanarayana, Sr.Manager/GT Engg

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**6.** Sat Oct 21, 2006 1:41 pm

Dear Mr. Sunil,

- It is a well reasoned document prepared by you, with weighty logistics and lot of focused thoughts. It will help raise the aspirations of the people in profession.
- I am giving some points on the vision document, in different colours and keeping the option of matching wherever found suitable.
- One of the points I liked is your novel discovery about the present strength of the BEE's office with only 12 persons for countrywide implementation of EC Act, 2001. It clearly shows to what extent they are concerned since March 2002. The country will have to wait for many years for something distinct to happen.

G.G. Dalal

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7. Tue Oct 24, 2006 11:58 am

Dear Friends,

First 2 Chapters have already been posted under Files Section. Mr. Dalal, Prof. Chandak, Mr. Sinha, Mr. Balasubramanian, Mr Vikas Apte, and Mr Satyanarayana have given their useful comments and suggestions which will be incorporated while finalizing the Vision Document.

I have now posted 2 more chapters under the files section for comments and suggestions

There will be 3 more chapters providing recommendations for:

- Rational use of Energy & Demand Management
- Human Resources Development
- Time Bound Action Plan & Monitoring Mechanism

Kindly note that the vision document will mainly focus on managing demand by applications of Energy Efficiency and Renewable Energy.

Regarding new ways of utilising fossil fuels, new discoveries, exploration and others, we will add the views of our Honourable President only. The supply side is already having too many GOD FATHERS. They don't need and won't heed our advice! We will attempt to reach the Independence by our route and let them follow their route. Let us see who reaches first.

The order of chapters will be decided later.

I request all to give your suggestions/comments.

(S.K.Sood)

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8. Sat Oct 25, 2006 3:09 pm

Dear Mr. Sood,

Please find my comments on Chapters 3 & 4.

Many ideas are innovative, I appreciate. We can do few projects on our own even if government agencies do not take proper cognizance. We can directly talk to housing finance schemes, IREDA etc.

Prof. Ajay Chandak.

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9. Thu Oct 26, 2006 8:49 am

Dear Mr.Sood

Your term "**God father**" has really given a punch to your letter. These things were missing for a month in your letters. May be you were busy with the vision document. As you rightly put, these "**know all men**" will not do any work on their own but will prevent others also stating that they do not know anything. That is India.

Please give me 2 days to present my views. You have talked about R& D. I have to do some R&D also before I open my mouth.

P. Balasubramanian

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10. Krishna Murty Mode <mode\_krishna@rediffmail.com> wrote:

Dear Sri S.K. Sood,

I am very glad to read A Vision Document DRAFT-1. I herewith convey my congratulations to you and your team.

I am much inspired to read Mahatmas writing on success. I am a retired man of age 60 years. I wish to see the real heroes on the stage instead of puppets. I expect it to become true in my life period.

Wish you all success in leading IAEMP.

M.Krishna Murty, C.E (Retd), APEPDCL. Energy Manager

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**11.** Sat Nov 4, 2006 12:58 pm

Hello every body,

I am Sunil Biswal, CEA from Orissa. I have been seeing the messages and am bit apprehensive about the state of things. After a long time of launching the Energy Conservation Act (5 years) things should have settled and taken a definite shape. I have experienced that the SDAs are not well informed about the implementation part and as confused as the Munna Bhai CEAs. Most of them might have a feeling that this is not going to be any different than inspecting a regular electrical installation and giving statutory approval. But the reality is a paradigm shift in attitude.

I have to see a lot and learn a lot from the whole group. Looking forward to an educative and rewarding experience

Sunil Biswal

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**12.** Message from Sunil Jadhav

Dear All,

Although Mr. Sood and Mr. Sharma were constantly following with me for joining yahoo group. I was not able to do so due to poor connectivity. I must congratulate all of you to be so active in the field of energy conservation and also am really happy to join the group.

The activity and the knowledge sharing messages are really good. This is a test message and request to all IAEMPians to accept me as new join for this group.

Sunil Jadhav  
CEA, GM (E)  
IPCL- MGCCC

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## MESSAGES ON KEEPING POWER BILLS DOWN

**13.** Dear friends,

Kudos to Mr. Sood for keeping his power bills down. I do have some exposure to the field of lighting & I am giving below my comments –

1. There is a popular misconception that CFLs can replace tube lights. In fact, the comparison of CFL is only with GLS lamps. The lumens per watt of CFL and a conventional tube light is almost the same. Hi- lumen tubes are also available in the market, costing about Rs. 75.00, which have 30% more lumen output than a conventional tube light. Before deciding on whether to use a tube light or a CFL, it is necessary to find out how much light is required at that particular place.

2. CFL emits higher amount of light per unit area of its surface as compared to a tube light. You can notice this especially when you try to look at 18/23 W CFL directly.

3. We require about 250 - 300 lux for reading. However if you check in your offices/ residences, you might find the lux level of 150 or even 100. We are so used to reading in this light that we do not realise that it is inadequate. Apparently this lower amount of light is not making any difference. It however makes a difference in the long run.

4. Electronic chokes definitely reduce the power consumption. However they have been failures in the areas where there is a wide fluctuation in the voltages. Maharashtra Government had asked for suggestions regarding usage of electronic chokes. At the end of this message, I am reproducing the suggestions given by me to the government.

5. There are further developments like T5 lights with electronic ballasts which are more efficient, but can not withstand severe voltage fluctuations.

6. LEDs are going to make a significant impact in the future because of their high lumen output per watt and a high life. Presently, I am using them as night lamp. LED lamp is available at Nagpur for Rs. 40.00, & has a consumption of about 1 Watt. The so called zero Watt lamps actually consume about 15 W.

My suggestions are as follows-

- If you want to replace a GLS lamp with CFL please go ahead.

- If you want to replace tube light with a CFL, please check whether the light output will be adequate at that place.
- If you are using CFLs, (especially above 8 W), better use them with lighting fixtures & reflectors so that the lamp is not directly visible to the naked eye.
- If you use a night lamp regularly, switch over to LED lamp. The extra cost is recovered within 2-3 months.

Ajay Chandak,Dhule

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**14. Letter to MERC:** *Comments on draft proposal for energy efficiency demonstration projects*

Maharashtra Electricity Regulatory Commission  
World Trade Centre,  
Centre No. 1, 13<sup>th</sup> floor  
Cuffe Parade, Colaba  
Mumbai 400005

Ref: Notice No. MERC/ Case No. 20 of 2006/1524 dated 18.07.2006

Dear Sirs,

Before presenting our comments on the above proposal, we wish to take the liberty to briefly introduce ourselves.

We are a contractor and consultant for electrical works based at Nagpur. The undersigned i.e. the proprietor is a graduate electrical engineer & also a BEE certified Energy Manager.

Coming to the proposal for replacing the conventional chokes with electronic ones, we agree that there is a tremendous potential for saving energy. However before implementing it, the following aspects need to be looked into.

At present there is no IS standard for the electronic chokes. In the absence of this the selection of choke is a difficult task. Till an IS standard is developed in India, it is necessary to have a selection based on some parameters. In our opinion, the following need to be taken care of.

1. Wattage loss – it is necessary to put an upper ceiling on the allowable wattage loss in the choke at a specific range of voltage & frequency.
2. Harmonic generation – Electronic chokes inject harmonics in the system, & it can lead to detrimental performance of other equipments, capacitors and overheating of wiring. There has to be a ceiling on the allowable total harmonic distortion (THD), as well as the individual lower harmonics.
3. Protection against high/low voltage – I have used the presently available electronic chokes in some of the installations, but have found the failure rate to be very high. On carrying out an investigation, it was found that there was an abnormal variation in the supply voltage from MSEB, resulting in damage to the electronic choke. This is especially true of the rural areas.
4. Since the initial trials are to take place in Mumbai, I do not expect a high failure rate, as the voltage levels in Mumbai are reasonably well maintained. However it is necessary to have a cheap & easily replaceable component in the choke to protect it against variation in voltage.
5. Protection against fused tube - A protection is needed in the electronic chokes so that they do not blow off if the tube rod is fused.
6. Standardization of size – The sizes of electronic chokes presently available in the market are different, due to which there is no interchangeability. The size has to be standardized, so that a customer not satisfied with one particular make has the choice of using an alternate make.
7. Possibility of dimming – the energy consumed in a tube light can be reduced by reducing the voltage. If dimming through electronic chokes is possible, it can further add to the energy saved.

Lastly, I would like to add that in case the chokes are going to be used in areas where the Electricity is supplied by MSEDCL, it would be necessary to persuade them to limit the voltage variations.

Thanking you

Yours faithfully

For Spark Engineers

S. Khandekar

15. Sun Mar 11, 2007 5:36 pm

Dear friends,

Further to what I had reported regarding my Home Energy Audit, I am giving the data for power consumption of Havell's ES-50 Energy Saving Fan purchased by me. It is a 1200mm (48") Fan.

It was first connected to a resistance type regulator (Khaitan make) the readings were 45w, 48w, 51w, 54w in the four speeds.

Then I changed the regulator to 'Cona' make Step Fan Regulator. The readings were 18, 30, 38 and 54 watts in the four speeds.

The full speed consumption is same in case of both regulators.

The Fan cost: Rs. 1290/-

The regulator cost: Rs. 170/-

Fixing Charges: Rs. 100/- (For Both Fan & Regulator)

Total Cost Rs. 1560/-

The air quantity in first speed with 'Cona' regulator was little less than the 'Khaitan' regulator but for other speeds it is almost same.

Considering Bangalore summer is not severe, I am able to do with running the fan in the lowest speed.i.e. 18w consumption. So it is great saving. Much less than 50 w claimed even by Havell.I wonder why they are not able to cash on this aspect? Mostly we can manage on 2nd or 3rd speed.

The power consumption in full speed however is 4 w more (perhaps losses in regulator) But it is seldom required to run the fan on full speed. It is certainly a great energy saving fan. Since other models consume more than 70 watts.

So, a good energy efficient fan can save still more with a good regulator. I request all to take note of this sincerely and publicize this fact.

(SK Sood)

President,

Indian Association of Energy management Professionals

Mobile: 09901911910

## ON DEMOCRATIC PARTICIPATION

16. Sat Dec 2, 2006 10:01 pm

Dear Mr. Venkatraman,

I think your assessment of why people are reluctant to join IAEMP is correct. I however beg to differ on the opinion that our office bearers do not have time or patience to address these problems.

I may not be very active in the group, but I read all the mails and give my opinion on things that I have some knowledge about. Primarily, we have three members who are trying to fight it out with BEE for implementation of the EC Act. They are Mr. Vikas Apte, Mr. Dalal & of course Mr. Sunil Sood. I however refuse to believe that they are doing it out for any personal gain. It is a social work they are doing, with or without any support from others, & I find that their approach of striking at the roots is the right one. I have spent about 10 years in a public sector & have found that the goody-goody approach does not yield any results.

As regards your suggestion about democracy is concerned, please note that democracy in its present form is a failure everywhere. The true meaning of democracy, I think, means giving right to every person to express his opinion & that his opinion should not be held against him. If the members show any disagreement on any matter, it need not be treated as infighting. The decision has to be taken by a single person or a small elite group. Decisions on the basis of majority are rarely found to be correct. **If majority had always been right, earth would still be considered as flat.** We know today that earth is round just because a few people dared to challenge the establishment. One of them (I think his name was Bruno) was burnt at stakes, but still those few did not give up.

Today IAEMP may not have the strength of members, yet it is able to make some government departments to sit up & notice. This is our strength, & this is what the nation needs today.

I joined this group not because I expected it to make bread & butter for me. I observed a colossal wastage of precious energy everywhere & instead of trying to reduce this; everyone is just harping on additional generating plants. The Transmission & Distribution (T & D) losses in Maharashtra State today are a whopping 40%. The annual target for reduction of these last year was just 2% & even that could not be achieved.

I joined this group because here I could find some people who genuinely cared for the betterment of the energy scenario. Any group in which

strong willed persons exist is bound to see difference of opinions on various matters.

As far as I can see, our group does not need people who see only what benefits they could get out of the group's activities. Never mind if the group remains small. We can still be effective.

S. Khandekar

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## **ELECTION OF OFFICE BEARERS**

### **17. Thanks for appointment as Returning Officer**

Wed Jan 10, 2007 6:33 pm

Dear All,

This is to inform about the acceptance of my appointment as the 'Returning Officer' of the central council elections of the group. I have already given the acceptance on 5th inst. to Mr.Sunil Sood.

I thank all the members of the noble association for exhibiting the confidence. I promise to carry out my duties as the Returning officer to best of ability.I also seek the necessary co-operation from all members for smooth conduct and success of elections .

I need immediate help from Mr.R.A.Sharma, President, for the followings:

- 1. Office address of the Registrar of the societies, for sending the copy of the election programme.**
- 2. IAEMP seal,required to be put on all ballot papers.**

*Since this seal will be also required in Hyderabad, from time to time, I suggest that a copy of seal may be scanned and sent immediately to the undersigned so that a new seal may be made. My mailing address is as follows:*

*Mr.Prakash Magal  
No. 417,41st Cross, 5th Block,  
Jayanagar,  
BANGALORE -560041*

I intend to announce the elections on 14th inst. and therefore request Mr.Sharma to immediately do the needful as above.

Prakash Magal

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### **ON SUPPORTING CANDIDATES FOR CEA**

**18.** Thu Mar 8, 2007 12:53 am

Dear Shri Sood and Shri Dalal,

We at Dahanu who had applied for supplementary EA viva exams have received letters from NPC along with the DD, stating that Viva has been abolished and certificates for Certified Energy Auditor will be dispatched shortly.

We were surprised, to say the least, and owe it to your untiring efforts and the platform of IAEMP, which has given us a collective voice.

We thank you, and support you, in all future endeavours, to benefit Energians as well as the Nation.

Thanks & Regards,

Dahanu Energians

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### **ON RULES FOR NET MEETING**

**19.** Mon Mar 5, 2007 9:50 pm

Dear Apte,

It is nice to read that IAEMP is going to hold its first central council meeting electronically on 31st March. Before we log on in the net, I feel that we have to follow some decorum for a successful net meeting.

The points that come to my mind are jotted below for further improvement and circulate among the central council members as "RULES FOR NET MEETING OF CENTRAL COUNCIL MEMBERS OF IAEMP"

After framing the rules, the same may be circulated. The doubt in the minds of the members will be cleared.

After that we may conduct a 'trial net meeting' to enable the members to be familiar with the rules of the net meeting.

1. Find out whether all the central council members have net facility and yahoo messenger access.

2. Discipline in the net. i.e. how to behave in the net.

Normally the meeting will be presided by the president.

President should invite all the members for the group chatting.

President will co-ordinate the meeting.

During the meeting, the members should be in invisible mode to all their other yahoo messenger contacts.

Late comers should report to President and president only invite them to join the group, not other members.

All members should chat only to the president as per the call of the president and chatting between the members is not permitted.

In case of different opinion, president will call for a voting in the chat itself.

All the members should follow the time schedule strictly.

All members should chat succinctly to the point.

The secretary should circulate the notice for central council meeting as per the bye-law along with agenda and timing for discussion of each point in the agenda.

Log in time shall be 8 to 8.10pm. By 8.10pm, if the quorum is not there as per bye-law, president will adjourn the meeting.

The meeting will start with a brief address of the president and end with vote of thanks from the secretary.

The meeting will be wound up by 9.00pm sharp.

You can also add any other point which you feel necessary for the net discipline and frame a rule.

Venkitaraman. A.R.

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### **ON ENERGY AUDIT**

**20.** Sun Mar 25, 2007 4:02 pm

Dear Energy Professionals,

#### **Mandatory Energy Audit cannot start until next three years**

- EC Act, 2001, it appears will be enjoying the status of martyr again for next three to five years, due to industry's satiety for cheap



- power & that of farm sector for free power. This will continue unless wisdom dawns on societies, which are in deep slumber.
- Billions of Rupees are being pumped into expansion of industries but nothing is done to tackle power shortage, since last two decades. Why can not a mis-happening be pre-empted?
  - Why the nation waits for such catastrophe of perennial power scarcity every where & every day before taking righteous actions.
  - Many industries are benefiting unfairly as they know about the closely guarded secrecy, about which professionals are ignorant.
  - Power utilities are unable to rein in power thefts & Political Governments are wedded to below cost tariff for farm sector, presenting a most impractical & dismal picture.
  - Power shortage is short-circuiting economic growth and is behind rising inflation in the country. Much talked about economic growth surge is therefore seen as unsustainable.

Reasons, why "energy audit" will not take off before next three years:

- As per section 26, of EC Act, 2001, no person shall be liable to pay penalty within five years from the date of commencement of the act, since initial phase of 5 years was treated as promotional & creating infrastructure for implementation of Act. On dated: 1st March 2007, penalty could not be imposed even after completion of five years as there is no appellate tribunal established as yet due to remarkable inefficiency of MOP/BEE. Also there are no adjudicating officers appointed by State ERC for holding an enquiry in connection with the penalty imposed.
- Section 14 (c) can not be applied for another two years, for prohibiting manufacture or sale or purchase or import of equipments as specified in 14 (b) unless such equipments conforms to energy consumption standards and no such notification can be issued within two years from the date of notifications issued under clause (a) of section 14 by which Central Govt in consultation with BEE were supposed to specify norms & energy consumption standards for equipment which consumes, generates transmit or supplies energy, which they miserably failed to issue.
- The greatest loophole introduced in enforcement of the Act is: the Act shall come into force on such date as the Central Government by notification in the official gazette, appoint different dates for different provisions of the Act and any such provision to the commencement of the Act shall be construed as a reference to the "coming into force" of that provision.

- So far, no notification is issued on any of the important provisions of the EC Act, 2001, so one can predict when the EC Act will be implemented in letter & spirit. It will be illusion or deceitful mirage for eagerly waiting energy auditors to believe that high conversations about energy saving will soon get transformed into real energy conservation as quickest & cheapest remedy for solving India's acute energy scarcity crises.

G.G.Dalal

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### HAPPY NEWS FROM EMT WEB SITE

**21.** Fri Apr 13, 2007 12:29 am

Dear Friends,

I am happy to inform that following message has been posted in BEE web site [www.energymanagertraining.com](http://www.energymanagertraining.com).

May be this will be the beginning of a new relationship!

(SK Sood)

<b>An Invitation to join</b>
<b>"Indian Association of Energy Management Professionals"</b> For details, please visit Web site <a href="http://iaempenergy.googlepages.com">http://iaempenergy.googlepages.com</a>
<a href="#">"Be a Home Energy Manager - An easy and interesting way to reduce your home energy bill"</a>
<a href="#">"Arrogance of a Switch"</a>
and write to : <b>Shri S.K.Sood</b> , President, IAEMP, E-mail: <a href="mailto:sunilsolar@yahoo.co.in">sunilsolar@yahoo.co.in</a> , Mobile: 099019-11910

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### ON TRAINING AND UTILISING CEAs

**22.** Fri Mar 16, 2007 4:15 pm

Re: CEAs employed with Govt. or Govt. Undertakings

Dear Shri Bhupal Singh,

I see that the issue raised by you to utilisation of CEA employed in Govt.

Dep't, as presented, may be modified in view of the availability of these personnel for the particular energy audits.

At the same time it should not be in violation of CCS Rules, because you may agree that once a Govt Employee is inducted for carrying out energy audits by taking leave with prior sanction from the dep't, he may have to share the audit fees that he gets. Their role could be further magnified not only by taking up the energy audits in their own establishments but also indirectly by framing codes, standards, guidelines for implementation of the EC Act and provide necessary facilitation for energy audit management as per the principles of ISO 9001:2000, which will give an extra weightage to the personnel and also in other area.

I would like to discuss the issue of WATER AND ENERGY with you before submitting my views in this matter.

S.K.Gupta  
Director(Water Resources), Bureau Of Indian Standards  
9, B.S. Zafar Marg, New Delhi-110002

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**23.** In [iaemp@yahoogroups.com](mailto:iaemp@yahoogroups.com), "Bhupal Singh" <singh.bhupal@...> wrote:

Dear all,

I invite to start a discussion on above subject: My input is:

Utilisation of CEAs employed with Govt & Govt undertakings

Proposal: This proposal is in view of persons employed in an organisation where there is no assignment for Energy Auditing. Examples: (1) Mr SK Gupta, BIS (2) Mr Pradeep Kumar (Member applicant) working with Central Vigilance Commission and many more not known yet. To allow practice Energy Auditing while on job by taking leave as in case of study leave. This way they will sustain their knowledge.

Benefits:

The scarcity of CEAs will be made up to some extent

The time, energy & money invested by the CEAs will be utilised

Bhupal Singh

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**24.** Mar 16, 2007 8:28 am

Re: [iaemp] CEAs employed with Govt. or Govt. Undertakings

Dear Bhupal Singh,

They shall do or at least organize the energy audit of Govt. buildings to start with. Doing energy audit at design stage is another opportunity for people like me who are into design, engineering or consultancy.

B. Satynarayana

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**ON SCAMS**

**25.** Letter to BEE

**Subject:** Franchisee Scam by ACE, Vadodara

Dear Sir,

I am reproducing a message received from one of the accredited energy audit firm who is diluting the very purpose of accreditation by offering franchiseeship. I have earlier complained BEE about it but no action has been taken yet.

I request you to kindly clarify BEE guidelines in this regard.

(SK Sood),  
President ,IAEMP

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**26.** Franchisee Scam by ACE, Vadodara-Reply by BEE

From: "BEE" <energymanage1-10@energymanagertraining.com>  
To: <sunilsolar@yahoo.co.in>  
CC: "Ajay Mathur" <dg-bee@nic.in>  
Subject: Franchisee Scam by ACE,Vadodara  
Date: Fri, 9 Mar 2007 17:45:53 +0530

Dear Shri Sood,

Thanks for your feedback. Bureau is looking into the procedures on the basis of which accreditation was granted to such auditors. Perhaps, this situation was not visualized at the time of granting temporary

accreditation in the first phase. We are now planning to again scrutinize the institutional and energy auditing capabilities of temporary accredited energy auditors of 1<sup>st</sup> phase, before their accreditation is revalidated by the Accreditation Committee.

We will inform to you the decision taken by the BEE in order to stop unfair mean practices by the accredited energy auditors.

K.K.Chakarvarti

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### **ON RETURN OF CERTIFICATES**

**27.** Mon May 14, 2007 9:15 pm

Dear Friends,

This is to inform to you all that I have sent my CEA certificate to Honourable President Dr Kalam in protest against the way the EC Act,2001 is being treated by BEE/MoP/GOI.

(SK Sood)

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**28.** May 15, 2007 7:45 am

Dear Mr Sood,

I will do it tomorrow

Best Regards  
Bhupal Singh

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**29.** Tue May 15, 2007 5:49 pm

Dear Mr Sood

I received my certificate from you today only. Thank you very much for your ready response. I will send the certificate to Dr Kalam President after two days .

R.V.RAMANA RAO  
VIZAG

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**30.** Tue May 15, 2007 4:20 pm

Dear Sri Sunil,

I am very painful to read your letter addressed to the Honorable president of India. After 60 years of independence a qualified , capable, learned and responsible engineer wrote such letter means I am doubting about our independence.

No doubt capable and sacred people brought our independence. But it is found to be driven by incompetent and power mongers. With an excuse all the above is my personal opinion only. Let us go on Gandhian way only as per your earlier letters.

I have kept ready my letter to the president simply replacing your name and placing energy manager in place of energy auditor. Soon after the receipt of my certificate I will send it by speed post.

With high regards,

M.KRISHNA MURTY, ENERGY MANAGER EA-2442

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**CORRESPONDENCE WITH BEE**

**31.** Fri Dec 7, 2007 10:09 pm

To,  
M/s.Bureau of Energy Efficiency  
4th Floor, SEWA Bhavan, R.K.Puram  
New Delhi – 110 066.

Kind Attn : Shri Ajay Mathur, DG

Dear Sir,

- 1) Your goodself is aware that in the Balance Sheet every organisation has to declare the work done on Energy Conservation which at the moment is just a ritual. We do not find any seriousness except from very exceptional organizations. We would like to suggest that such statements to be made mandatory for verification & signature by a Certified / Accredited Energy Auditor. BEE has created large number of Certified Energy Auditors, but it is regretted that their services are not being utilized despite consistent requests from various corners.

- 2) I have written dozens of letters to your goodself, but your office has no courtesy even to reply, I do not know whether your office may have some time to reply to this letter / email also.
- 3) You are also aware that the Accounts, Balance Sheet etc, are mandatorily signed by the Chartered Accountant in the similar way, why not the Energy Conservation Statement to be signed by a Certified / Accredited Energy Auditor. We feel, you are our National guardian and Custodian for Energy and hence you can take up suitably with the Government and bring Notification / Act.
4. May we request for a line in reply.

Thanking You,

Yours faithfully,  
for MASTER CONSULTANCY & PRODUCTIVITY PVT.LTD

(R.A.SHARMA)

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Friends, these were some of the messages exchanged during the early months of iaemp yahoo group. In the later months discussions on several technical topics took place which helped the members grasp the subject better. To end with I would like to reproduce a message which I had posted sometimes in June'07. (This is just a hint to what is expected from members!)

### **"LET'S GIVE MORE"**

Friends,

'Yeh Dil Mange More'. ; 'Karo zyada ka Irada' .Everyone seems to believing in this modern day philosophy. Everybody out there wants more, grab more and accumulate more. Rarely, I have come across people who want to give more . But is it really so? I could find some people who are actually interested in giving more. A politician – who is willing to give more....false promises, a media person who would go to any extent to give more coverage to all sorts of item nos. including sensational news items, a bureaucrat who is always ready to offer more ... excuses for his non-performance.

There are people who believe in following middle path. I have a friend who says 'Give More' philosophy doesn't appeal me. I believe in 'Give and

Take' relationships. That is “ You give and I Take” , you give more I take more!!

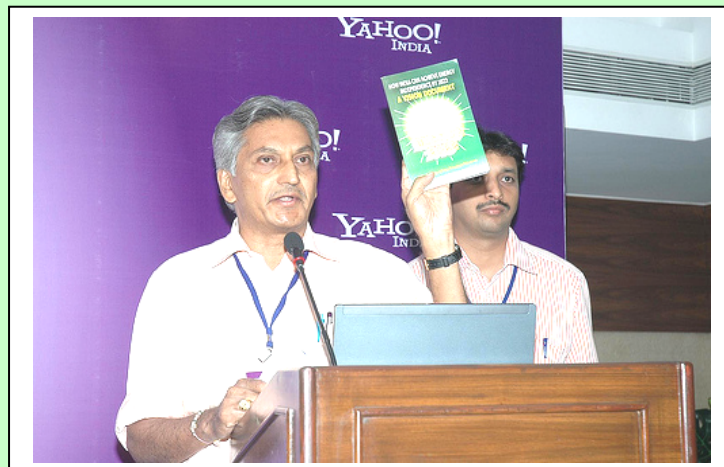
Seriously speaking there is no scarcity of people who want to give more. Only problem is that they don't know what to give and to whom. But in iaemp yahoo group; every member wants to genuinely give more and also knows what needs to be given and to whom.

Friends, when we say 'let's give more' the question arises what exactly is meant by that. It may mean different things to different persons. ; I have a few suggestions:

- \* Show more gratitude towards your mother land, Mother Earth and the God who created you and sustained you. Spend quality time with the God.
- \* Get associated with some genuine socio-economic or a professional association and donate valuable time of yours to promote their cause.
- \* Give more of your time to keep a watch on functioning of Government departments.
- \* Work as 'Conscience keeper' .Write letters to the editors; write to officials not only for registering complaints but also for appreciating any good work done.
- \* Most importantly spend time to discover yourself, your inner strengths

Believe me; giving is as much enjoyable as receiving. A giver is always on higher position. Just observe the position of your hand in both situations. Giving also helps in relieving you of extra burden you are carrying with, while taking may only increase your burden.

Mr G.G.Dalal and  
Mr Vikas Apte  
represented  
IAEMP yahoo  
group in the  
Moderator's meet  
at held at Mumbai  
in June'2008





## **Other IAEMP Yahoo Groups**

### **Expert Group on Energy Efficient Data Centers**

iaemp\_data\_centers@yahoogroups.com

Data Centers consume nearly 1.5% of energy produced globally.

There exists considerable knowledge on the need for energy efficiency in Data Centers, given widely encountered challenges related to infrastructure sizing, redundancies required and the demanding nature of IT loads. On the other hand, building construction norms are recognizing the need for green approaches through established certification programs.

The Expert Group on Energy Efficient Data Centers is a forum for designers, builders, owners, operators and users of Data Centers to share issues, innovations, best practices, standards, cases and opinions on the use of energy in Data Centers, and other green topics.

This group, under IAEMP, is convened by *SCHNABEL DC Consultants India* since 2008.

### **Home Energy Management Programme**

iaemp-hemp@yahoogroups.com

The objective of the pilot project is to create a cadre of trained manpower for providing a single point solution on awareness creation and implementation of energy saving measures with verifiable results for the target group of energy consumers in domestic sector. Finally, it is aimed that the trained manpower will be able to fulfill the following broad objectives:

#### **Primary Objectives**

- Energy and Water Conservation & Efficiency
- Efficient Use of resources
- Increased use of renewable energy

## **“THE POWER OF A WATT OF POWER”**

The average monthly electricity consumption in Indian households varies from a low of 40 units for a lower income group to as high as 2000 units or even more for very high income group. Considering the population of different income groups, the national average on lower side will work out to about 150 units per month per household.

Assuming the energy consumption spread over 24 hours, this translates into a connected load of :

$$\begin{array}{l} 150 \times 1000 \text{ Whrs} \\ \text{-----} = 208.33 \text{ watts say } 200 \text{ watts} \\ 24 \text{ Hrs} \times 30 \text{ Days} \end{array}$$

It effectively means that we are having a load of 200 watts continuously ON for 24 Hrs. In actual practice it will be much higher. Maximum Demand will vary considerably during the 24 hours period.

Now if we decide to reduce even 1 Watt load (0.5 % of our load)

What this much reduction can do? Let us see:

### **1. It can light a home for 5 Hours!**

$$1 \text{ Watt} \times 24 \text{ Hrs} \times 365 \text{ Days} = 8760 \text{ Whrs} = 8.76 \text{ units of electricity per year}$$

For how many hours this much energy can light an un-electrified home with the help of 5w CFL/LED Lamps?

$$8760 / 5 \text{ w} \times 365 \text{ (no of days)} = 4.8 \text{ Hours Say } 5 \text{ Hours}$$

This light will illuminate their homes much better and avoid use of Kerosene Lamps for 5 hours resulting in corresponding reduction in emissions. So if there is a mechanism by which we save in this manner and donate the saved energy to an un-electrified home what additional investment will be required to create transmission and distribution of donated energy? How best it can be done.

If we save more say 10%; which is also easily possible then 20 Homes can be provided with light. How many of us be willing to donate in this manner? I think all of us will be happy to do that. But practically it might be difficult to achieve due to lack of a system in place and laying of distribution lines and billing difficulties.

## **2. It can help avoiding of power cuts for 2 days**

For a moment let us forget about donating saved electricity to villagers and think about how reduction of 1 watt load can help us in avoiding power cuts due to higher demand? Assuming lower average of 150 units per month, the daily consumption works out to 5 units. Thus 8.76 units saved in a year can help in avoiding power cuts for  $8.76 / 5 = 1.75$  days or say 24 days or 48 Hrs in a year. For how many hours we have power cuts in our cities? Imagine how we can totally avoid power cuts in this manner. So let us help ourselves.

## **3. It will help growth of business and improve country's economy.**

By making electricity available in the un-electrified homes, we will be actually helping ourselves! With availability of electricity, the working hours will increase and demand for electrical and electronic goods in villages will grow. This will lead to indirect increase in demand of Steel, Aluminum, Copper, cement etc having a cascade effect. Thus, effectively creating a huge market helping the country's economy leading to increased income for all of us!

### **How to realize the maximum savings?**

I am sure that by now you would have got convinced about 'The power of a watt of power'. Just imagine the potential savings of hundreds of watts which can reduce your consumption by as much as 20-50 %.. But the basic questions remain. What exactly needs to be done to realize this saving?

The answer in a single line is-

Join IAEMP's "Home Energy Management Programme (HEMP) and just follow the practical guidelines.

Through HEMP, we are creating a 'Demand Chain' to promote conservation, efficiency and renewable energy though soon to be launched a "Domestic Energy Savings Incentive Scheme'.

For more details about IAEMP and Home Energy Management Programme please visit: [www.iaemp.org](http://www.iaemp.org).  
For participation terms and conditions please write to:

**Indian Association of Energy Management Professionals**  
Golden Square, 102, Eden Park,  
20, Vittal Mallya Road, Bangalore-560001  
e-mail: [sunilsolar@yahoo.co.in](mailto:sunilsolar@yahoo.co.in)

## UPCOMING EVENTS

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### **U.S. Energy Efficiency Trade Mission to India November 16-20, 2009**

For details, visit the U.S. Commercial Service web page at  
<http://www.buyusa.gov/india/en/reetm.html>.

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### **India Energy 2009**

**Mumbai**

**November 13-15, 2009**

Organizer: UBM India Pvt. Ltd, Mumbai, India

[www.indiaenergy.net](http://www.indiaenergy.net)

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### **Energy Tech India 2009    New Delhi**

**December 11-14, 2009**

**Organizer** India Trade Promotion Organization, New Delhi, India

[www.energytechindia.com](http://www.energytechindia.com)

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## **Share your experience**

Do you have an area of expertise in energy management? Have you solved a difficult problem or have an interesting case study? Do you want to share a joke with others? Or just have a word of appreciation for this issue. Share your knowledge with others and promote yourself too, by writing to **The Urja Watch**.

You may also tell us about upcoming energy-related events in your area. Be sure to mention the title of the event, organizers, dates, venue, city, and contact information to get more details of the event.

Please note the following points while making your submissions:

- ❖ Articles must be original, in electronic version, 500 words or less. If you are using material from external sources, please acknowledge them.
- ❖ Please include contact information (full name, title/organization, phone numbers, and email ID) with your submission.
- ❖ Articles should be in MS word, single spaced, with easily readable font, preferably Arial size 12. Photos should be of high resolution.
- ❖ Please e-mail your submissions to The Editor, “The Urja Watch” at [tellsubi@gmail.com](mailto:tellsubi@gmail.com)
- ❖ There are no deadlines for submissions. You may submit articles anytime.
- ❖ We reserve the right to edit, rewrite or reject any article.

### **We Need Your Feedback Too!**

Please write your views and suggestions to the editor at: [tellsubi@gmail.com](mailto:tellsubi@gmail.com) or send by post to:

### **Indian Association of Energy Management Professionals**

Golden Square, 102, Eden Park,  
20, Vittal Mallya Road, Bangalore-560001

Letters must include the writer’s name, address, phone and email ID.

We appreciate your feedback and thank you for your support.

*Disclaimer: This newsletter is published by the Indian Association of Energy Management Professionals (IAEMP). It is intended for IAEMP’s existing and potential members who are interested in energy management and IAEMP’s activities. It does not imply endorsement of the activities, individuals or organizations listed within. Views expressed in this newsletter are entirely those of the authors and not necessarily that of IAEMP or the editorial board. Editor does not accept responsibility for the views expressed in the articles published.*