

End to End Solutions

DRY OR GREEN



DCI (Delhi Chapter of ISHRAE)
Indian Society of Heating Refrigerating Air Conditioning Engineers

twitter

Vol : II Issue : I Edition : 06/10 Editor : Ashwini Mehra

ENERGY EFFICIENCY ISSUE

Bry-Air

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Dehumidifiers FFB



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Heat Recovery Wheel

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- Paper and Pulp Plants
- Server Rooms

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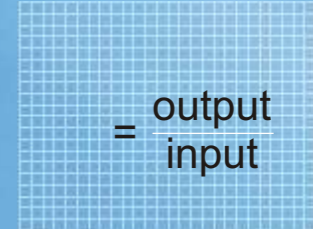
Bry-Air Inventors of Rotary Silica Gel Dehumidifiers

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Learning energy efficiency from birds.

Birds inspired man to fly. And birds are inspiring us to save energy by flying in flocks. Flying in flocks helps birds reduce the energy needed. Many large birds fly in a V-formation and individual energy savings have been estimated to be immense.

Energy efficiency is using less energy by means of a more efficient technology or process, to provide the same level of energy service. In our HVAC industry we can give an example that by insulating the room we can reduce the cooling load on the Air conditioner during summers.

Energy conservation is broader in scope than energy efficiency. It additionally covers the use of less energy to achieve a lesser level of energy service. eg. Opt to use a Fan instead of an A.C.

FB/3A/1036/CA1



Presidential Twitter

ISHRAE has gained significant momentum and accomplished remarkable milestones over the last few years.

Our Delhi Chapter - DCI - has made a significant contribution to ISHRAE's growth and still remains the largest Chapter with 1321 members on roll, and being rated as the best performing Chapter for 3 years in a row. As the new Chapter Working Committee (CWC) took charge in April 2010, our prime objective is to serve the society members and others stakeholders in accordance with HQs guidelines. We request members to write back to us giving suggestions on what more they would expect from the committee in the coming year.

This year's main event would be the holding of ACREX 2011 at Pragati Maidan, New Delhi. All efforts are being put in to make this a grand event.

We welcome members who are keen to serve the society to come forward and join the extended committees which have been setup to do specific jobs in the promotion of ISHRAE objectives.

Thanks and keep tweeting!
Mukesh Puri

DCI COMMITTEE 2010-11

Profile of the members of chapter working committee

Office bearers



Mr. Mukesh Puri, Mechanical Engineer
GM (Services) in Omaxe, Ltd.
Associated with ISHRAE for the last 6 years,
Served society at various positions.
Having around 26 years of work-experience in the
field of Building Services, out of which 18 years in U.A.E

President



Mr. Udayan Chaudhari,
Bachelor's Degree in Mechanical Engineering
Managing Director of UDAYAN CHAUDHARI & ASSOCIATES Pvt. Ltd.
Served society at various positions.
31 years of rich experience in HVAC&R industry.

President - elect



Mr. Sachin Maheshwari
B.Tech in Mechanical Engg & MBA in Finance
Managing Director of Nicotra India Pvt. Ltd & Director with Caryaire
Group of Companies
Part of Delhi Chapter Core Working Committee since FY 2005-06 and
President DCI 2009-10. Presently Regional Director - North

Immediate
past President



Mr. Ashwini Mehra
Engineering graduate with Management education.
Resident Director of Nutech group, Mumbai.
Member of CWC of Delhi Chapter for last three years.
40 years of rich and varied experience.

Secretary



Ms. Yesha Choudhury
Business Management Graduate from IILM.
Director- Blowtech Air Devices Pvt. Ltd.
DCI CWC from 2007-2008 to 2009-10 and Chair K-12 during 2009-10.
Also an Associate member of ASHRAE.

Treasurer

Other members



Mr. Sunil Kher, Mechanical Engineer
Founder of Sevcon India Pvt. Ltd., has more than 27 years experience
in the industry.
He holds position of Chair ECC & Member Membership Promotion in
AIC and CWC Member in DCI and Regional Chair for Programmes in
ISHRAE.



Mr. Sanjay Gupta, B. Com (Hons)
Managing Director of A.C. Humidin Air Systems. Served society at
various positions.
Around 27 years of experience.



Mr. Harpreet Singh,
Managing Director of M/s Elite Air Techniques Pvt. Ltd.
Served as CWC Member in 2009-10.
Having 12 years of experience.



Mr. Ashwani Jain, Director of Air Flow Pvt. Ltd
CWC Member of ISHRAE and BOG Member of ASHRAE
9 years of experience.



Mr. Nalin Singhal, Graduate from Delhi University
A graduate in Mechanical Engineering Presently working with Spectral
Services Consultants Pvt. Ltd.
Has approx 15 years of experience in HVAC industry.



Mr. Rajesh Nagari, A graduate in Mechanical Engineering
Presently working with Hitachi Home & Life Solutions India Ltd. as
General Manager head of North Region.
Has approx 16 years of experience in HVAC industry.

Dr Ajay Mathur

The energy efficiency guru



This issue of Twitter focuses attention on Energy Efficiency & to get a fix on the subject, the Editor Twitter spent time with Dr. Ajay Mathur, Director General Bureau of Energy Efficiency (BEE) on May 28, in his office. Some impressions left by the interview are given below

The Bureau of Energy Efficiency is a statutory body under the Ministry of Power, Govt. of India. It was setup in 2001 by a Central Govt. notification to implement the Energy Conservation Act. It is based in Delhi, and has a staff strength of only 20 which is expected to soon double up. The BEE Logo says it all 'Energy is life, Conserve it.'

a. 5 Star Rating Systems: These days one observes 0 to 5 stars marked on electric gadgets like ACs, Washing machines. This system evolved by BEE indicates the level of energy consumption for products in its class (5 star for lowest consumption). This has brought about a change in our buying habits and energy efficiency has become a criteria for selection.

b. Energy Efficiency: At a national level it is defined as the total energy used per unit of GDP expressed in Dollars or Rupees. This means for a growing economy to remain energy efficient its rate of growth of consumption of energy, must be below that of GDP growth. India has been lucky as service sector (IT/ITES) has largely contributed to GDP growth and this is not energy intensive like say, Cement/Steel.

India's energy efficiency is comparable to France, but falls short of achievement by USA and Japan.

c. Energy Savings: In cricket, "runs saved are runs scored" & in Energy field "energy saved is energy generated." Energy savings through energy efficiency is a low-cost option to generate additional energy to meet

growing demand. Last year, we saved 2600 MW of energy (third party validated figures) when the total additional generation was 9500 MW viz 27% extra was made available through energy savings.

d. Green is not enough: BEE has evaluated & rated 110 buildings purely on the basis of energy efficiency which in this case is defined as total energy consumed in kwh / square meter/ year. The buildings were rated on a scale of 0 to 5, with different metrics for : office building, BPOs, Malls & making adequate provisions for climate zones, humidity levels.

It was found that many highly rated Green buildings didn't fare well on the basis of energy efficiency.

e. Start right, stay trim: BEE promotes two concepts on a nation-wide basis.

1. In rural electrification programmes &/or others that consume power, it is better to start straightaway with energy efficient solutions say, use of CFLs or LEDs rather than start with incandescent bulbs & then progress to CFLs to LEDs.

2. In all Industrial & Business enterprises, first aim is to reduce energy consumption from the present level, regardless of what it is, and then move towards reaching the ideal power consumption level norms established by BEE on industry specific basis.

To promote this, BEE is setting up a JV as an Energy Efficiency Service Co. which will work on commercial lines.

AJAY, THE MAN BEHIND BEE

Dr. Ajay Mathur is a chemical engineer from Roorkee in 1979. He is happily married with two daughters, and his wife teaches "Transportation Engineering" at IIT Delhi.

He follows a busy schedule and is invariably in office till 7.30 pm. His hectic travel schedule also includes a lot of international travel as he is in India's Core Committee for negotiations on Climate Change.

f. ISHRAE Partnership: Dr. Ajay Mathur in his inaugural address at ISHRAE's Acreconf 2010, had promised greater cooperation with ISHRAE in areas where both organization can work jointly like ECBC. Already BEE is working with ISHRAE on weather data files.

AM Meets AM



Dr. Ajay Mathur relaxing with Ashwini Mehra Editor - Twitter after the interview.

INSTALLATION CEREMONY

The new Chapter Working Committee for 2010-11 led by Mr. Mukesh Puri took oath of office in a glittering ceremony in presence of National President Mr. Pankaj Shah on 3rd April' 2010. The vision of incoming President focused on continuity of good work done by his predecessors and to have an eventful society year ahead.



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Student Chapter Activity

Prof. A.K. Saluja



Dr. A.K Saluja a Ph.D in Mechanical Engineering from IIT Delhi has over 43 years of Teaching Experience and a long association with ISHRAE. He has been very active in the development of Student Chapters and has held senior position in ISHRAE as President DCI, Treasurer Headquarters and Course Director and Trustee IIE.

After his retirement from Delhi College of Engineering in 2003 as Professor and Head Deptt. of Training & Placement, he is now the Advisor of Sachdeva Institute of Technology, Mathura.

He has guided faculty and students in the field of Thermodynamics and also a PhD student, on Alternative Refrigerants, during his tenure with Delhi College of Engineering.

With his efforts, ISHRAE is planning a placement programme to help students associated with ISHRAE Student Chapters to be selected for employment by the Industry.

Orientation Programme

An orientation programme was conducted by Mr. Sachin Maheshwari, Regional Director North, for the committee members of DCI. The programme was held on 13 May at K43 Kailash Colony office and was well attended. This programme is designed to inform the incoming CWC of the protocol followed by ISHRAE in conducting the meetings and the systems and procedures for organising the various activities of DCI. It also serves as a guidance for all CWC members on how to interact with the national chairs and ISHRAE Headquarters Office bearers and participate in national BOGs. The system of performance based evaluation through CAFE points scoring system was explained. The programme generated tremendous interest which was evident from the extensive questions raised by the DCI CWC.

Chartering of Lingaya's Student Chapter:

The 1st Student chapter (8th overall) of Delhi Chapter for 2010-11 was chartered by the founder member and father figure of ISHRAE Dr. Prem C. Jain during the CWC Installation Ceremony. 20 student members of "Lingaya's Institute of Management and Technology" comprise this student chapter. This is a very enthusiastic group.



Dr. Prem C. Jain, Mr. Pankaj Shah and Mr. Mukesh Puri together with the students.

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Feb 24 - 26, 2011
Pragati Maidan, New Delhi



ABOUT ACREX INDIA 2011

ACREX India is the largest International Exposition held annually which caters to the Air Conditioning, Refrigeration, Heating, Ventilation and Building Services Industry. Last exposition held at Delhi in 2006 attracted more than 250 exhibitors and over 30,000 visitors. ACREX India 2011 now returns to Delhi with a promise to surpass all previous expectations. Acrex India 2011 is being held from February 24 to 26, 2011 at India's finest exposition address - Pragati Maidan, New Delhi. This Exposition is being organized by Indian society of Heating, Refrigerating, Air conditioning Engineers (ISHRAE), and supported by large number of professional societies from India and abroad. The Exhibition will provide an ideal platform for exchange of ideas between professionals and to showcase the latest products and innovations.

ACREX INDIA SECRETARIAT

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IIE News

ISHRAE INSTITUTE OF EXCELLENCE, Delhi announces starting of 10th batch for Six Months Job Oriented Advance Diploma Course starting from August 2010. Admissions are open. Placement assured for successful candidates. For details please contact undersigned.

Admissions are also open for Distance Learning Programme Module I & II for working professionals.

Mr. V K Seth, Coordinator

011-46012930 / 26602642

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ISHRAE publications are now available ex-stock from ISHRAE secretariat at Laxmi Nagar, Tel: 011-43001814, E-mail : ishrae@airtelmail.in

S. No.	Publication Name	Price (Rs.)
1	ISHRAE Handbook HVAC	400
2	ISHRAE Handbook Refrigeration	400
3	ISHRAE Handbook Ventilation	400
4	Installation Guide	500
5	Fundamentals of Refrigeration	90
6	Fundamentals of Air-conditioning	90
7	Fundamentals of Fan Engineering	90
8	Fundamentals of Cold Storages	90
9	ACREDEX Directory 2009 CD (V-1.0)	500
10	AHU's (Air Handling Units)	90

Technical Workshops



IIE Delhi has conducted a Technical Workshop on 24-April-10 at India International Centre on "Energy Audit Procedure, A Case Study and Retro Commissioning Benefits" by Mr. G.C. Modgil, Past President of ISHRAE and ASHRAE India. It was very well attended by senior members of Industry.



ISHRAE INSTITUTE OF EXCELLENCE, Delhi conducted a technical workshop on Building Engineering Services in commercial buildings. It was widely attended by around 30 senior engineers from industry and workshop was conducted by Mr. R.K. Kohli, GM - Technical, Pacific Mall & an ISHRAE member. The workshop was inaugurated by Mr. Ashwini Mehra, Secretary, Delhi chapter of ISHRAE. The programme was highly appreciated by all the participants.

Presentation by Oventrop

A product presentation was organized by Delhi Chapter of ISHRAE on 20th May' 2010 at India Habitat Centre, New Delhi. It was a successful program and appreciated by all the participants.

Benefits of Joining ISHRAE

Membership Promotion and Advocacy

DCI Committee for 2010-11 has set-up a very ambitious target for Membership promotion this year and this would call for a strong Advocacy of ISHRAE. Both Membership Promotion and Advocacy are inter-linked as one leads to the other. To help Membership Promotion we give below the "Benefits of Joining ISHRAE" which can be used by all ISHRAE members in the Advocacy to get new members.

1. Increased Awareness: - You get to know more about the industry you work in. You get to know major players in the HVAC&R industry. You also get to know the names/ titles of who is who in the Industry. ISHRAE also opens the window to the outside world-International awareness.

2. Sense of Belonging: - It gives you a sense of belonging to an Industry from where you earn your Bread & Butter and in many cases Jam & Honey. You get an Identity- Member ISHRAE. This enhances your status in society. For employed persons, the Bio-data gets embellished as member of a professional body.

3. Source of Information & learning opportunity: - There are several ISHRAE Publications/ Software which provide a world of information on a variety of subjects. There is also the ISHRAE Institute of Excellence (IIE) to upgrade knowledge. The ISHRAE Journal has articles/ quiz of interest, & is very informative. Participation in Workshops/ Training Programs/ Seminars Product Presentations helps to increase your information/ knowledge.

4. Networking: - ISHRAE meetings provide an opportunity to network with same Industry professionals. It also gives a rare opportunity to meet in an informal setting, the busy and difficult Senior Executives or Consultants. How often can you, normally, fix appointments with say Mr. Udayan Chaudhari or Mr. Ashish Rakheja? The dividend possibility from this networking is enormous. You may even meet International suppliers/ HVAC Consultants/ Professors/ officials from Government Organizations.

ISHRAE Membership has been centralized and all applications are processed by Membership Services cell at HQs secretariat and is handled by Mr. Girish Sachar. The completed membership application alongwith payment of Rs. 4,500/- favoring "ISHRAE HEADQUARTER" may be sent to the secretariat.



5. Competition Interaction: - In most cases you rarely get to meet your competitors, unless it is at some tender negotiation meeting and the competitor is cool & frosty on that occasion.

In ISHRAE get-together over drinks you may get to know the other person better. Sometimes discussion on bad or late paymasters, prevailing price lines, discount levels come up. In foreign countries where contact with competition is governed by law, here is a forum to know the human beings behind the competition.

6. Platform for Self development: - Each one of us has tremendous potential in one field or another. This society provides an opportunity to share your experience and to make a contribution. If you have organizational ability you may be considered to join the DCI Committee and be involved in various activities. It helps flower your leadership qualities, and encourages the individual to take steps in a friendly environment to hone his leadership ability.

7. Good for business: - You never know who can give you an enquiry at an ISHRAE night. The small investment of Rs. 4,500/- pays for itself, its not even equivalent to a 5 star dinner for you.

Get ready with your Nominations for the

6th

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