

# **ASHRAE PUNE CHAPTER ACTIVITIES YEAR 2010-11**

## **Chapter Number 186**

### **1. Installation of ASHRAE Pune Chapter BOG**

Date 10<sup>th</sup> July 2010

Venue Hotel Le Meridian

The installation Program was arranged at Hotel Le Meridian.

ASHRAE RAL (Region At Large) Sub-Region D, Chair Sudhir Sinha, installed the BOG of the chapter. ASHRAE Pune Chapter Founder President Krishna Jog in his speech covered various activities conducted in foundation year 2010-11 Sudhir Sinha presented 'Know ASHRAE', and was highly appreciated. The newly Installed President Prof. Ashish Kadam assured audience of Quality Technical Programs for the new ASHRAE Year.

M/S. Emerson Climate Control was the event partner. The Hand Book on Cold Room Design, written by R. P. Paranjpey, Fellow Life ASHRAE member was published. The handbook was sponsored by Emerson.

The program ended with Vote of Thanks from Prof. R. S. Kulkarni President Elect of ASHRAE Pune Chapter. He thanked the partner Emerson Climate Controls, members of ASHRAE & AWESOME, special invited guests and the Le Meridien staff for excellent arrangements.

### **2. Workshop on 'Ammonia Refrigeration Plant Design'**

Date 31<sup>st</sup> July & 1<sup>st</sup> August 2010

Venue Hotel Orbit

Presented by Ramesh P. Paranjpey, Prof. Ashish Kadam & Haresh Rupchandani

Duration 2 Days.

The workshop was conducted by Ramesh P. Paranjpey, Prof. Ashish Kadam & Haresh Rupchandani

More 40 participants all over India attended the workshop. The main topics covered under work were design consideration for Ammonia plant, Selection of suitable system, design of Pump overfeed system etc.

### **3. Workshop on 'ASHRAE Standard 90.1 & 189.1**

Date 18<sup>th</sup> and 19<sup>th</sup> September 2010

Venue Hotel Orbit

Presented by Mr. R. S.Kulkarni & Gajanan Khot

Duration 2 Days

The expert speaker for this program were renowned HVACR consultants Mr. Ravindra Kulkarni ASHRAE Fellow and Gajanan Khot, LEED AP, who has very long experience in the design of industrial refrigeration and air- conditioning systems for different applications. 30 Participants attended the program.

#### 4. Visit to Chill Venta

11<sup>th</sup> Oct to 18<sup>th</sup> Oct 2010

ASHRAE Pune Chapter organized visit to Chill Venta Exhibition at Nuremberg. 15 members participated in program. During the visit ASHRAE Pune chapter also had meeting with IIAR and Euromon officials.

#### 5. Full Day Seminar PARC

Pune Airconditioning & Refrigeration Conference 2010

Date 19/20<sup>th</sup> Nov. 2010

Venue Hotel Le Meridian

The for the Seminar was '**Energy Efficient Green Systems & Buildings**'

**Mr. Rajendra Shende, Head Ozone Action Branch, United Nation Environmental Program was Chief Guest and Dr. R. K. Shevgaonkar Vice Chancellor Pune University was Guest of Honour.**

The program was inaugurated by Dr. Rajendra Shende and Dr. Shevgaonkar.

The program was supported by Academics With Excellence Spectrum Of Maintenance Engineers (AWESOME), Indian Plumbing Association (IPA), Indian Society of Heating Refrigeration and Air Conditioning Engineers, Pune Chapter (ISHRAE) and Architects, Engineers and Surveyors' Association, Pune (AESAs).

Emerson, K-flex, System air were gold partners for the event along with Armacell, DRI, Victaulic, George Fischer were Silver Partners for the event.

The program was attended by 160 delegates from architects, builders, promoters, Data Center owners, Automobile manufacturers, system integrators, MEP & RAC consultants, contractors. The eminent speakers from Industry delivered their speech. These includes

Sr. No.	Topic	Speaker
1	Building the future : Energy Efficient Solutions for Sustainable Buildings	Dr Rajendra Shende
2	Dedicated Outdoor Air Systems - Emerging Trends	Mr. Rahul Aeron & Mr. Varun Pahwa
3	Feasibility of District Cooling Systems in India	P. K. Goel - York

4	Alternative Refrigerants & Global Environmental Policies	Dr. Sukumar Devotta
5	Complete Insulation Systems	Jagdeep Singh
6	Architects Perspective-Green Buildings	Prof. Purva Kesakar
7	New Trends In Industrial Ventilation & Airconditioning	Shailesh Phatak
8	Under floor HVACR Solution	Paul Adcock
9	Systems & Controls for Energy Saving	Ramesh Paranjpey
10	Green Building in Indian Scenario	Rajeev Raje
11	Air Curtains Range, Installation Systems & Case Studies	Jan Svallingson
12	Challenges to Green Movement	Ashish Rakheja
13	New trends Piping System for Chilled Water Application	Ravindra Deshpande
14	ASHRAE Standard 90.1	Gajanan Khot
15	Energy Efficient Solutions for Green Buildings	Varun Pahwa
16	Living Building Challenges	Rakesh Bhatia
17	Energy Modeling of Building	Rohan Rawte

## 6. Membership Promotion Night

Date 19<sup>th</sup> Nov. 2010

Venue Hotel Le Meridian

Along with the PARC Seminar, membership renewal and promotion program was conducted on 19<sup>th</sup> Nov 2011. Membership promotion Chair Jayant Joshi made presentation on ASHRAE and ASHRAE Publications. In this program 12 members were added and 20 renewals were completed. The renewal activity helped to reduce delinquency.

## 7. International Work on "Ammonia refrigeration plant design..safety issues...food preservation" by ASHRAE distinguished lecturer Dr. Apichit Lumlertpongpana.

Date Saturday, 16 April 2011

Venue 'O Hotel'

ASHRAE Pune chapter had arranged first Distinguished Lecturer Workshop on 'How to Design Ammonia System Safe & Safe? & Industrial Refrigeration for Food Preservation'. The ASHRAE Distinguished Lecturer is [Dr. Apichit Lumlertpongpana](#) is well known expert in South East Asia and has got ASHRAE Technology Award.. This was a full day workshop. Various points covered in this program are Refrigeration system design and calculations for flow diagrams such as single stage, high stage booster, two stage compound, cascade with system, ASHRAE Standard-15 and IAR Standard -2 for safety purpose, Liquid hammer, hot gas propel liquid and liquid expansion. The program was attended by more than 170 Delegates across the country.

The event was supported by Kiloskar Pneumatic Ltd as Lead Partner and by Metalex Cryogenics, Manik Engineers, Dhiren Engineers, Super Refrigeration, Hydrodyne Pumps, Uma Engineers, and Alfa Laval.

#### **8. Presentation on ASHRAE Technology Award by Dr. Apichit**

Date Saturday, 16 April 2011

Venue 'O Hotel'

Attendance 178 Nos.

Dr. Apichit made presentation about ASHRAE Technology Award and his project

**“Refrigeration system and low temperature air conditioning for poultry slaughter and further processing plant”** which won First Place Award Winner, Category IV, Industrial Facilities or Processes – New.

Innovative Energy Conserving Features and Systems :

- Low pressure drop induce draft stainless steel Evaporative Condenser.
- Utilize liquid head gain to achieve maximum liquid sub-cooling.
- Dry suction vapor from freezer instead of common wet return.
- Low internal static air pressure drop design Spiral Freezer.
- Sequential defrost, variable wide fin spacing and top feed design Evaporator.
- 50% perimeter surface reduced inside Freezer and with re-circulation CIP Cleaning System.
- High, medium, low risk pressurized zoning ventilation.
- Reduction of Co2 Emission 1,900 Metric Ton / year.
- Reduction 23 Metric Ton of Ammonia refrigerant.

#### **9. Visit to China Refrigeration Shanghai**

Date 5<sup>th</sup> April to 11<sup>th</sup> April 2011

ASHRAE Pune Chapter along with RATA Mumbai has organized visit of its members to China Refrigeration Show at Shanghai. 40 Members joined the group.

#### **10. Paper Presentation at IIR Conference**

Date 19<sup>th</sup> April 2011

Ramesh Paranjapey, Fellow life ASHRAE member presented paper at IIR conference at Macedonia on Energy Saving in Ammonia Plant for Fish Processing using Reciprocating Compressors.