



# 2011 YEAR IN REVIEW





## INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

The International Association of Plumbing and Mechanical Officials (IAPMO) was founded on May 17, 1926 with the mandate "to advance the latest and most improved methods of sanitation; to promote the welfare of and harmony between the owner, the builder, and the craftsman; to accomplish a uniformity in the application of the provisions of the ordinances; and to promulgate the mutual benefit of the members." The IAPMO Group focuses its comprehensive capabilities in the technical aspects of the plumbing and mechanical industries through its extensive knowledge base, which includes regulators, professional contractors and manufacturers.

Comprised additionally of six different business units, The IAPMO Group is truly the one-stop shop for all plumbing and mechanical code and product compliance.



## INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS – INDIA

The International Association of Plumbing and Mechanical Officials (IAPMO) have a strong cooperative presence in the nation of India and partnered with the Indian Plumbing Association (IPA) to develop a Uniform Plumbing Code for the nation.

The registrar of companies of India approved the establishment of IAPMO Plumbing Codes and Standards India Private Limited, to be known as IAPMO-India. IAPMO and the IPA, both members of the World Plumbing Council (WPC), agreed upon a comprehensive plan to work together to establish a model code of plumbing installation and maintenance for all of India, the Uniform Plumbing Code – India. The IPA Code Committee worked with IAPMO staff in creating a document that recognized and utilized proven international concepts, always taking into consideration the proven plumbing practices within India.

IAPMO, the IPA and the Indian Institute of Plumbing (IIP) formed a partnership agreement to provide plumbing training and education throughout India. The agreement identifies three distinct target markets: existing and emerging Engineers; Plumbing Contractors, Construction Managers/ Supervisors; Plumbing Systems Installers and Repairers. A joint committee of the organizations has been appointed and is already working on the curriculum for each of the three components of the project and development of the training and educational materials.



# THE INDIAN PLUMBING ASSOCIATION

The Indian Plumbing Association (IPA), established in 1993, is the apex body of plumbing professionals in the country. Set up with an objective to promote advancements in plumbing and the building service industry, IPA has successfully created a forum for exchange of ideas and dissemination of information amongst its members. As a member of the World Plumbing Council, it encourages its members to achieve and maintain high standards of workmanship.

IPA's membership includes architects, builders, plumbing consultants, plumbing contractors, plumbing product manufacturers, traders and planners. IPA also conducts conferences and exhibitions throughout India and publishes the monthly magazine Indian Plumbing Today. The idea is to make local plumbing professionals aware of issues, problems and prospects in the industry. IPA has succeeded in creating awareness about the need for safe plumbing, and is now ready to assist the Indian professionals with improving their skills and expertise.



# Allen Inlow

## Senior Director, IAPMO



## THE NEXT BIG STEP FORWARD,

that is what this Year in Review represents and I welcome you to it. For a long time many of you have discussed the need for a publication or communication vehicle of some kind with me. A Year in Review followed by newsletter that will let everyone know what we are doing in IAPMO India, the current status of projects, how the activities of IAPMO India, IPA and the industry relate to the Country and in fact the World. We look forward to all of this and much more being included in future issues of newsletter.

This Year in Review probably should have been created sooner, but the crunch of time due to the sheer volume of needed projects and their deadlines literally meant that everyone was busy and the Year in Review had to wait until the time was right. The right time is now, and IAPMO India looks forward to something of a hybrid cross between an electronic magazine and a summary or synopsis of events, moving between the two in the best, most efficient

manner to provide you with relevant, meaningful and useable information.

Although IAPMO India will move into the newsletter with a precise plan, issuing quarterly publications in future, one huge advantage an electronic publication offers is the ability to provide you immediate access to information nearly as quickly as it arises. IAPMO India does make that commitment to you, if an issue deserves your immediate attention we will publish a special issue and transmit it to you as quickly as we can.

So it is my pleasure to welcome you to THE NEXT BIG STEP FORWARD for IAPMO India in its service to you. I am positive it will improve industry communications as it grows and improves, and becomes an asset to you throughout a future we will share together. It will be a brilliant future indeed!

# **Sudhakaran Nair**

## President, Indian Plumbing Association



I am pleased to know that

## IAPMO-India

plans to publish its Year in Review and first Newsletter shortly. Although formally established in India only in 2007, IAPMO's work in India in partnership with the Indian Plumbing Association started in 2006.

The accomplishment of this partnership in a short period of five years proves what two like-minded organizations, working together towards a common goal, can achieve.

The work that IAPMO-India does in synergy with IPA is focused on ensuring health and safety of the Indian citizens by propagating safe plumbing practices. These efforts deserve to be highlighted to all those who matter. I am sure that the Year in Review and the Newsletter will be an important medium towards accomplishment of this objective.

# Megan Lehtonen

Director, Business Development, IAPMO



## Greetings from the IAPMO Group!

I would personally like to welcome you all to IAPMO India's inaugural Year in Review. We are excited to bring you all of the latest news and developments right to your inbox every quarter!

Since its inception in 2007, IAPMO India has worked extensively to lay the groundwork necessary to become one of the most respected and reputable organizations in the industry. The relationships made through the development of codes and training for the plumbing and mechanical industry has driven IAPMO India into the perfect position to offer elite services for the better of the industry, and the better of India at large. As much as ever before, we take our hats off to the Indian Plumbing Association (IPA,) led by Sudhakaran Nair, for their unprecedented dedication and passion that continues to keep India at the forefront of the industry around the globe. With our

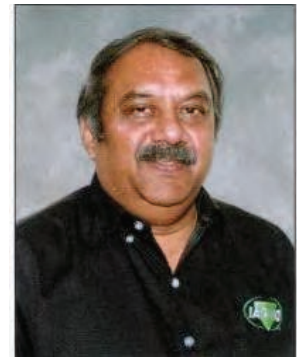
recent partnership with Intertek – IAPMO India's Conformity Assessment business is ready to change the plumbing marketplace throughout the country by focusing on the health and safety of plumbing products. Manufacturers will finally have third party testing available to ensure their products are tested and certified to international standards for the health and safety of all throughout India. IAPMO India continues to build relationships and partner with top government and key industry people to open doors for new opportunities including grant and government funded projects and consultancy proposals at all levels.

It's been an exciting year thus far, and we are thrilled to share it with you. Be sure to take a look through and see what exciting things we have been up to!

# Sree Kumar

Director, General, IAPMO India

## IT IS A MOMENT OF PRIDE FOR ME



and the entire IAPMO team to bring out the first IAPMO India Year in Review. IAPMO India established in 2007, with intimate support from IPA has taken great strides in field of plumbing with the motto "Better Plumbing for Global Health for safety", health and welfare of society.

In Plumbing we have brought in codes and standards of International level to suit Indian Environments and been indulging in evolving training modules and conducting training capsules to meet the skill gap in Indian industry. In an historic event the Uniform Swimming Pool Code- India (USPC-I) was released during Plumbex at Mumbai, first of its kind in our country.

Today the nation faces a challenge of suitably trained plumbers in construction and infrastructure industry which is growing at a fast pace. We are dedicated to meet this challenge.

In the field of Mechanical, we are in the process of evolving the Uniform Mechanical Code India soon and there after we shall be addressing the skill development in solar discipline.

We are happy that in our stride we have great organizations like ISHRAE, IGBC, INTERTEK, FSAI, IIEC, BAI and CSE moving along encouraging us in our dedicated effort.

Through this Year in Review we sincerely intend to make our presence felt to like-minded people and organizations to join us in the good cause of Nation Building. May I request the indulgence of the readers to bear with us for the volume, this being the first of its kind. We have taken a retrospective view. We promise to be lean and thin in future with our quarterly E-News Letter.

# Abdul Matheen

Director–Mechanical, IAPMO India



I am extremely delighted to be part of

## IAPMO India's first ever Year in Review

developed by our team. My congratulations to all of IAPMO India and USA staff and my greetings to all the members of IPA, ISHRAE, FSAI and Technical Committee members for their support and cooperation to IAPMO India, which resulted in rapid expansion of IAPMO India in such a short span.

I am glad that ISHRAE & FSAI has signed MoU with IAPMO India. This association will strengthen and further our objective of promoting best practices in India through bringing in uniform code knowledge which IAPMO brings in through its global exposure and capability. The Uniform Mechanical Code- India (2012 UMC-I) that we are set to jointly develop will thus be an

invaluable combination of our globally gathered expertise and the knowledge of India's best and most seasoned Heating Refrigeration and Airconditioning Engineers and Fire & Safety professionals. Indeed a fruitful relationship which would go a long way in furthering sharing of knowledge for creating better standards and professionals who would ultimately work for the benefit of the society.

This Year in Review is a welcome initiative of International Association of Plumbing and Mechanical Officials- India; MY CONGRATULATIONS!



# Subhash Deshpande

Director Plumbing, IAPMO India

I am glad to  
approach the readers



of this very first Year in Review of IAPMO India. Through this media, we will regularly update the readers on the news, events and happenings globally and particularly in the Indian scenario, in the fields of Plumbing and Mechanical fields.

Within a short span since establishing the IAPMO India in 2007, we have accomplished many things in the most crucial but neglected field – Plumbing! This was possible only due to our partnership with Indian Plumbing Association (IPA). Together, we have developed many codes and code based education and training courses specially designed for India. Soon, strong stakeholders such as CPWD, BAI, MSBTE, IIEC-I along with many education partners all across the country also joined us in this endeavor.

This is just a beginning and much still remains to be achieved. I am sure that this Year in Review will help us develop a continued mutual bond between our partners, stakeholders, trainers, students and Green Plumbers. Your responses and feedback will help us in carrying our mission – ‘Propagating good plumbing through codes, education and training’ to protect health of people while conserving water and energy and saving planet earth.

# PLUMBING EDUCATION to **EMPLOYMENT PROGRAM**

## *Program Overview:*

The goal of the IPA-IAPMO Plumbing Education to Employment Program can best be met through joint ventures and collaboration with established educational institutions throughout India. The program seeks to partner with Indian Universities, Colleges, and Vocational Institutions who can provide quality instruction that will meet the goals of the program.

The Program serves three audience groups. Each group has a unique relationship to the Uniform Plumbing Code -India and the national plumbing industry at large, requiring educational objectives and curriculum of varying focus. The audience groups are: Engineers, Contractors/Construction Managers/Supervisors, and Plumbing Systems Installers and Repairers.

## **IAPMO INDIA ACADEMIC CERTIFICATION PROGRAMS:**

### **Plumbing System Design Certificate Program**

Plumbing systems are one of the most important and vital parts of an overall building design. Through this 1-year course of study, an individual will gain an understanding of the basic and advanced principles and code requirements of typical plumbing systems and the ability to design and review plumbing systems.

Students: Engineers

For detailed information about this program of study click [here](#)

### **Plumbing Construction Management Certificate Program**

Construction managers coordinate and supervise the work at construction sites from early start to final stop. Through this 1-year course of study, an individual will gain an understanding of the basic principles of managing code-compliant construction projects, an understanding of the basic principles and code requirements of typical plumbing systems, and the ability to review plumbing systems.

Students: Contractors, Construction Managers, and Supervisors.

For detailed information about this program of study click [here](#)

### **Plumbing Technology Certificate Program**

The Plumbing Technology program is a comprehensive 2-year program designed to provide individuals with the skill to apply a broad range of plumbing principles. Through this course of study, an individual will gain an understanding of plumbing principles necessary- to install, repair and maintain a variety of piping systems, plumbing fixtures and other equipment generally associated with water distribution and wastewater disposal; and an understanding of the basic principles and code requirements of typical plumbing systems.

Students: Plumbing systems Installers and Repairers.

For detailed information about this program of study click [here](#)

### **[Click here to download the Academic Certificate Program brochure](#)**

**[• Partner Institutions - Become a Partner Institution](#)**

## EXAMINATION CERTIFICATION PROGRAM:

The IPA-IAPMO comprehensive testing program plays a critical role in assessing knowledge of the Uniform Plumbing Code-India as an indicator of proficiency in the use of the code and referenced standards. Each certification in the program will be based on the job domain study and job task analysis.

Certification is achieved by successful completion of an examination in a controlled, proctored setting. After passing a required examination, the candidate will receive a certification document and a wallet card indicating the title and scope of the certification, the date of issue and the date of expiration. Each certification document will display signatures of IAPMO, IPA, and IIP personnel or members who monitor the certification program's integrity are responsible for the continued credibility and reputation of the program.

## CERTIFICATIONS

### Certified Plumbing Systems Engineer - C.P.S.E

Engineers will use this certification to attest their knowledge of the code requirements for plumbing systems and to demonstrate their ability to design and review plumbing systems.

### Certified Plumbing Supervisor - C.P.S

Contractors, construction managers, and supervisors will use this certification to demonstrate their knowledge of code requirements relating to basic plumbing principles and plumbing systems.

### Certified Plumber - C.P

Plumbing installers and repairers will use this certification to validate their capability to install, repair, and maintain piping systems, fixtures and equipment in compliance with the code requirements.

### Certified Master Plumber - C.M.P

Plumbing installers and repairers will use this certification to prove their experience level and overall ability to apply code requirements with a variety of installations associated with water distribution and waste water disposal.

[Click here to download the Examination Certification Program brochure](#)

# PLUMBING TECHNOLOGY PROGRAMME

# PTTP

The Plumbing Technology Programme is a comprehensive programme designed to provide individuals with the skills to apply a broad range of plumbing principles. Through this course of study, an individual will learn how to install, repair and maintain a variety of piping systems, plumbing fixtures and other equipment generally associated with water distribution and waste water disposal; and learn the basic principles and code requirements of typical plumbing systems.

The programme is most suitable to the practicing plumbers to upgrade their knowledge and skills by attending part time training, while they continue their earnings. It is also suitable for aspiring plumbers who want to join the main stream of plumbing. The programme will be offered by Vocational training institutes, Industrial Training Institutes, Polytechnics, In-house training facilities of Developers, Builders and other Construction Organizations, and NGOs.

The Plumbing Technology Programme is divided into eight separate and distinct modules. After accomplishing each module, a certificate will be issued to the student. This will allow working plumbers to become more proficient at specified tasks as they progress through the entire programme. It also allows them to enter the programme at any time, pay for the programme in stages and be able to exit early, if necessary, with some level of skill and knowledge.

# PLUMBING APPRENTICE

# PAP

## PROGRAMME COURSE CODE

The Plumbing Apprentice Programme (PAP) is a foundation programme in plumbing to provide individuals with the basic plumbing skills. Through this course of study, an individual will learn practical aspects of the installation, repair and maintenance of a variety of piping systems, plumbing fixtures and other equipment generally associated with water distribution and waste water disposal; and be introduced to some of the basic principles and code requirements of typical plumbing systems.

The three month full time program is divided in three modules each of one month duration. The program will be offered by vocational training institutes such as Industrial Training Institutes, and NGOs.

The programme is also suitable to carry out livelihood projects in the area of plumbing sector. The livelihood project for Skill Development is undertaken with the support of Swarnajayanti Gram Swarozgar Yojana (SGSY) (meaning Golden Jubilee Village Self-wage Project) under the Ministry of Rural Development or any other similar scheme of Government of India. The aim is to impart skills to the youths below poverty line (BPL) in various rural areas of the Country and also link them with wage employment.

# PLUMBEX 2011

PlumbexIndia, an international exhibition of plumbing and allied products, never fails to excite people from the trade and industry as it offers an opportunity to look at the latest and the best in the world of plumbing products, processes and technology.

PlumbexIndia 2011 was held at Bombay Exhibition Centre in Goregaon, Mumbai, between 11-13, February 2011. Conceived as a unique platform to showcase the latest products, processes and technologies in plumbing and related sectors, this mega event was jointly organised by the Indian Plumbing Association (IPA) and AIM Expositions Private Limited (AIMEX).

The show was inaugurated by Mr. Sudhakaran Nair, the dynamic President of the IPA. Among the other dignitaries present on this occasion were Mr. BSA Narayan, Mr. M K Gupta, Dr. P C Jain, Mr. Gurmit Singh Arora, Mr. C S Gupta, Mr. H R Ranganath, Mr. R K Somany, Ms. Megan Lehtonen, Lt. General (Retd) Sree Kumar, Mr. Subhash Deshpande, Mr. Deepak Daiya, Mr. Vinay Gupta, Mr. Gajendra Ganla, Mr. Nitish Phansalkar, Mr. Sharat Rao and Mr. Lukas Kaiser.

The target visitors included plumbing consultants and contractors, architects and interior designers, hoteliers and hospital administrators, fire service officials and bureaucrats, urban planners and project managers, real estate developers and contractors, utility owners and property managers, manufacturers and distributors, dealers and traders and many more.



*IAPMO India Stall at Plumbex 2011 at Mumbai*



*L to R: Mr. Sree Kumar, Ms. Megan Lehtonen, Ms. Radhika Deolekar & Mr. Subhash Deshpande.*

# UNIFORM SWIMMING POOL CODE - INDIA RELEASED



Uniform Swimming Pool Code – India (USPC – I) was also released by Mr. Sudhakaran Nair and Ar. Sanjay Puri. The Uniform Swimming Pool Code – India (USPC-I), the only such code in existence in India, is a compilation and revision of IAPMO’s Uniform Swimming Pool, Spa and Hot Tub Code.

## MoU WITH **INTERTEK**

IAPMO Research & Testing (R&T) and Intertek signed a Memorandum of Understanding (MoU) on March 10, 2011 establishing a groundbreaking partnership to jointly provide product testing and certification services to plumbing and mechanical product manufacturers throughout the Indian subcontinent and the Middle East.

The MoU was signed on World Plumbing Day by GP Russ Chaney, CEO of The IAPMO Group and Frank Pan, President of Intertek Commercial & Electrical Asia Pacific, and co-signed by Jin Luo, Senior Director of Asia Pacific Operations of IAPMO R&T and Richard Adams, Vice President of Global Engineering & Certification for Intertek Commercial & Electrical. Chief witness of the signing was Sudhakaran Nair, President of the Indian Plumbing Association and Executive Board

member of World Plumbing Council. Under the terms of the MoU, the agreement will continue through Jan. 1, 2016.

IAPMO R&T and Intertek together maintain worldwide accreditations to ISO Guide 65 and ISO 17025. Both organizations operate offices within India and the Middle East region and thus are ideally situated to support and promote these services locally. Follow up inspections are provided to ensure ongoing compliance.





# WORLD PLUMBING DAY

## CELEBRATION AT IAPMO INDIA



Every single person on this planet is affected by the availability of clean drinking water and basic sanitation. 11 March has been designated by the World Plumbing Council (WPC) in the year 2010 and this was second “World Plumbing Day” that was celebrated all over the world.

IAPMO India conducted a painting competition at Pune at two respective schools Jnanada Pratishthan, Pune and Vidya Valley School.

## IAPMO INDIA CELEBRATES 2ND WORLD PLUMBING DAY

On the occasion of celebrating the 2nd World Plumbing Day (WPD) on March 11, 2011, the International Association of Plumbing Mechanical Officials-India (IAPMO India) team conducted a poster drawing competition at 2 schools in Pune, India. The Drawing competitions were held as per the guidelines of World Plumbing Council (WPC). Mr. Subhash Deshpande and Ms. Radhika Deolekar of IAPMO India’s Pune office took the initiative.

“It is difficult to change habits after certain age. It is difficult to understand and follow the methods to conserve water, once you are used to a certain life style. Young children between the age group of





7 to 10 years are receptive to new ideas and concepts and are willing to implement them in their daily life, by installing good plumbing leading to ensured good health and water conservation”, said Mr. Subhash Deshpande, Director Plumbing, IAPMO India. ‘The idea is to remember the importance of plumbing in our daily life on Every March 11th”, He said. A drawing competition was held in Jnanada Nutan Bal Vikas Mandir, Pune where more than 100 students of standard 1 to 4 participated. These children came from the families Below Poverty Line (BPL), typically stayed in slum areas, studied in Marathi as the language of instructions. Their education is supported by Government Initiatives.

More than 500 students from standard 1 to 4 of Vidya Valley School, Pune also participated in the same competition. Typically, students came from well to do families, in nice clean uniforms and studied in English language.

The contrasting background however did not deprive both the student groups from brilliant ideas, smart concepts and bright colour schemes, as seen in their drawings. They were equally enthusiastic, both during the Power Point Presentation (PPT) and the interactive section thereafter. Some of the ideas, concepts, drawing skills and coloring competence are beyond our expectations. They all seemed to be aware of the need for good plumbing, water conservation and ways of Rain Water Harvesting.

IAPMO-I offered prizes for the best drawing from each class and ‘best of the best’ from each school. Concluding, with the initiative of WPC, active participation of IAPMO India and the support from Indian Plumbing Association (IPA) has thus resulted in creating awareness about the importance of plumbing to a large young group of India.

# WATER EFFICIENT PRODUCTS – INDIA (WEP-I)



WEP-I released at the worthy hands of BSA Narayan, Sudhakaran Nair and Lt. Gen. Sree Kumar in presence of IPA National Executive Committee.

*Sitting (L-R): R K Somany, BSA Narayan, Sudhakaran Nair, Lt. Gen. Sree Kumar, Priyanka and Kamal Khokhani.*

*Standing (L-R): SK Duggal, MK Gupta, Manoj Dhar, HR Ranganath, Sandeep Goel, K Venugopal, P Ramachandran, Gurmit Singh, Sharat Rao, Manish Jain, Guruprasad Mantravadi, CS Gupta, Manoj Mathur, Kamal Harpalani, John Joseph, Rahul Dhadphale, Nitish Phansalkar, Vinay Gupta and Dinesh Shah.*

A compilation of rating system for sustainable plumbing in India – Water Efficient Products- India was released by IPA President, Mr. Sudhakaran Nair in presence of IPA National Executive Committee and Director General of IAPMO India, Lt. General Sree Kumar at Bangalore on July 2, 2011.

WEP-I is a Rating System for Sustainable Plumbing in India. WEP-I is a set of recommendations to all those who are involved in the design, engineering, manufacturing, selection, installation and maintenance of water efficient plumbing products for domestic and commercial applications in India. The use of WEP-I is intended to encourage use of water efficient products with uniformity in the performance of products.

WEP-I will seek to provide credible information on water – efficient products and practices. It will help to raise awareness about the importance of water efficiency and recommend water-efficient products besides, providing aid to consumers in making informed choice of products that conserve water.

# IAPMO INDIA'S Mechanical Initiatives



L-R: Pankaj Shah, Natinal President ISHRAE (2009-10), M P Agarwal, Past President ISHRAE. G Ramesh Kumar, General Secratery ISHRAE & Abdul Matheen, Director Mechnaical IAPMO India.

IAPMO India and ISHRAE join hands to work on and create awareness on Mechanical Industry's role in protecting the environment and conservation of natural resources.

## UNIFORM MECHANICAL CODES

Air conditioning consumes nearly 25% to 30% of world's total energy and a major contribution can be made by this industry towards reducing global warming. The world today is talking about moving from green buildings to zero energy buildings or carbon neutral buildings. Even though India has set the tone for this second green revolution by introduction of mandatory EIA (Environmental Impact Assessment) studies for large projects initiatives by BEE (Bureau of Energy Efficiency), it is important to leverage the collective involvement of India's one billion strong population and lead the world in addressing the issue of Global Warming.



IAPMO India has initiated answers to the Global warming wakeup call by introducing Uniform Plumbing Code of practices for use in India. Recently IAPMO-India's efforts have reached a significant milestone through initiation of work on India-specific codes and standards in the field of Mechanical Engineering, in association with Indian Society for Heating Refrigeration and Air-conditioning Engineers (ISHRAE).

Optimistic about ISHRAE's association with IAPMO-India, Mr. Pankaj Shah, National President ISHRAE said "This association will strengthen and further our objective of promoting best practices in India through bringing in uniform code knowledge which IAPMO brings in through its global exposure and capability" Drawing on their years of experience from working on systems across the world, IAPMO members have contributed to the development of the Uniform Mechanical Code (UMC), which will now be customized to India through technical support from ISHRAE.

The Mechanical standards which will be prescribed by IAPMO India will include and cover Energy efficient Heating, ventilation, cooling and refrigeration systems. A dedicated green Mechanical Code Supplement- focused on imparting systems with enhanced levels of energy efficiency and eco-sustainability.

## FIRST MECHANICAL STEERING COMMITTEE MEETING FOR LAUNCH OF UNIFORM MECHANICAL CODE – INDIA

Consortium of Indian Mechanical Industry experts join hands with IAPMO India for development of historic document known as Uniform Mechanical Code for use in India:



L-R: Pankaj Shah, Past President ISHRAE. S P Sree Kumar, Director General IAPMO India & Abdul Matheen, Director Mechanical IAPMO India.

IAPMO India in association with galaxy of experts representing various Indian societies & organizations join hands to work together to launch the 2012 Uniform Mechanical Code-India, during a historic beginning of Technical experts committee meeting held at Richmond Hotel, Bangalore. The changes in the Uniform Mechanical Code and Uniform Solar Code will focus on achievable goals that reduce waste and conserve precious resources, while still enabling contractors to build affordable buildings with more efficient construction products and practices.

# IAPMO INDIA AND FIRE AND SECURITY ASSOCIATION OF INDIA (FSAI) JOIN HANDS TO WORK ON CREATION OF MECHANICAL CODE FOR USE IN INDIA



IAPMO-India's efforts have reached a significant milestone through initiation of work on India-specific codes and standards in the field of Mechanical Engineering, in association with Fire and Security Association of India (FSAI)

Optimistic about FSAI's association with IAPMO-India, Mr. N S Narendra, National President FSAI said "This association will strengthen and further our objective of promoting best practices in India through bringing in uniform code knowledge which IAPMO brings in through its global exposure and capability" Drawing on their years of experience from working on systems across the world, IAPMO members have contributed to the development of the Uniform Mechanical Code (UMC), which will now be customized to India through technical support from FSAI.

Commenting on the significance of the association with FSAI, Lt. Gen (Retd) S P Sree Kumar, Director General, IAPMO India opined "It gives us a great opportunity to be associated with FSAI- one among India's most respected and best professional societies. The Uniform Mechanical Code- India that we are set to jointly develop will thus be an invaluable combination of our globally gathered expertise and the knowledge of India's best and most seasoned Fire and Safety professionals. Indeed a fruitful relationship which would go a long way in furthering sharing of knowledge for creating better standards and professionals who would ultimately work for the benefit of the society".



**GreenPlumbers®**

CREATING SUSTAINABLE COMMUNITIES

पर्यावरणदक्ष समाजकी निर्मिती

The GreenPlumbers program began in Australia in 2000 in collaboration between the government, plumbers/contractors and the Master Mechanical Plumbers Services Association of Australia (MMPSAA). It all began when the country was in the midst of a decade long drought that has continued in the country till this day.

GreenPlumbers India is a national training and accreditation program of IAPMO India and IPA. After Australia and USA, India is the third major country in the world to promote GreenPlumbers Initiative.

GreenPlumbers India program was launched on February 5, 2010 during IPA conference and Plumbex'2010 at Mumbai.



*IPA and IAPMO India Conducted Train the Trainer Workshop between December 9-12, 2009, at Bengaluru.*



IPA and IAPMO India Conducted second Train the Trainer Workshop between March 13-16, 2010, at Pune

GreenPlumbers India training and accreditation workshops are designed to assist plumbing professionals in understanding their role in relation to Environmental & Public Health issues and to provide their customers with up-to-date information and advice on:

- Latest technology and energy saving appliances.
- Practical applications & installation knowledge.
- Environmental impacts of plumbing services, appliances and household practices.
- Energy/water/cost savings.



## WHO CAN ATTEND?

All individuals, students, professionals, manufacturers, plumbers, contractors, project managers, engineers, architects, developers, municipal and government authorities, academicians .... anyone having passion towards plumbing and environment and willingness to contribute towards sustainable

development through Green Plumbing can attend this workshop.

Check for the next Green Plumbers India Training & accreditation workshop in your city  
Contact your local IPA chapter or write to us at [greenplumbersindia@iapmo.org](mailto:greenplumbersindia@iapmo.org)



# 'PLUMB-ACHARYA'



Institute Management Committee (IMC) of ITI (Industrial Training Institute) Velhe has signed the Memorandum of Understanding for Plumbing Technology Programme (PTP) on July 5, 2011 jointly with IPA and IAPMO Pune.

## MoU WITH STERLING & WILSON

M/s Sterling and Wilson Limited is a reputed contracting organization from Mumbai working in the construction field for over 80 years. Sterling and Wilson (S&W), an associate company of Shapoorji Pallonji & Co. Ltd., is one of India's leading turnkey MEP service providers with a varied range of systems from Electrical, HVAC, Plumbing, Fire Fighting, DG Sets to Control Panels.

Sterling and Wilson has signed the MoU for Plumbing Construction Management (PCM) course for Plumbing In-house Training (PIT). The MoU was signed on July 21, 2011 during the inauguration of Train the Trainer session at Pune in the presence of the august gathering of trainers. The MoU was signed by Mr. Ajoy Menon, President and Mr. Bill Pramod, General Manager of S&W along with Mr. Deepak Daiya of IPA Mumbai Chapter and Subhash Deshpande of IAPMO India. Mr. Prakash Patnaik, Corporate Human Resource, S&W coordinated the event.





(L2R) Radhika Deolekar, Deepak Daiya, Ajoy Menon, Bill Pramod and Subhash Deshpande on signing the MoU



## TRAIN THE TRAINERS CONTINUES

Under the IAPMO India-IPA's flagship of Plumbing Education to Employment Programme (PEEP), Train the Trainer (TTT) programmes continued at Pune. Total 27 plumbing professionals from the following Education and Training Institutions participated in the training held at Hotel Le Royce during July 21-26, 2011.

- Sterling and Wilson Limited, Mumbai,
- B.G. Shirke Construction Tech. Pvt. Ltd., Pune,
- Dhanush Engineering Services India Pvt. Ltd., Hyderabad, and
- IMC of ITI Velhe, Pune



Mr. Subhash Deshpande is Director Plumbing, IAPMO-India. He is past Chairman, IPA Pune Chapter and past Trustee, Indian Institute of Plumbing (IIP). Since joining IAPMO, he has been instrumental in developing and implementing various plumbing education and training courses in India. Considering his passion, devotion and the training experience in India and abroad, Subhash Deshpande is popularly known as 'Plumb-Acharya'. He can be contacted at: [subhash.deshpande@iapmo.org](mailto:subhash.deshpande@iapmo.org)



# WORKSHOP ON **UPC-I** **AWARENESS**



Many individuals wish to study and learn the good plumbing practices as elaborated in the Uniform Plumbing Code - India (UPC-I) but are unable to find time and patience for the self-study of UPC-I. These individuals from plumbing and building industry, young entrepreneurs and green plumbers have shown keen interest in attending IAPMO's training workshops on UPC-I conducted by the International Association of Plumbing and Mechanical Officials (IAPMO) India jointly with the Indian Plumbing Association (IPA).

Many have also acknowledged the need to learn basic plumbing, with UPC-I as a reference document, to strengthen their ability to learn and practice green plumbing.

Understanding this need, IPA and IAPMO-I have now offered an opportunity to those individuals, to gain knowledge of UPC-I in a short duration.

Any individual who wishes to learn the provisions of UPC-I and upgrade knowledge can attend workshop of 2 days at Pune followed by a visit to the Plumbing Lab on the third day.

The workshop shall be conducted by IAPMO-I's Head Trainer Mr. Subhash Deshpande.

The training workshops are offered to the individuals at a nominal fee of Rs. 25,000. A special discount of 10% is offered to IPA members and max. 20% discount to the GPATS and GPIAS. Those who have a copy of UPC-I get a further discount of Rs. 3,000. The fee is to be paid in advance by a cheque in the name of 'IAPMO Plumbing Codes and Standards India Private Limited' payable at Bengaluru.

The workshop will be conducted only on reaching the minimum strength of 20 delegates. They will receive a copy of UPC-I and ITM along with the Instructors' Guide as part of the training material. The individuals will bear the expenses for travel to Pune, food and stay. At the end of the workshop, they will receive a certificate of attendance. However, the CDs containing power points designed for 'the PEEP instructors' will not be offered.



For more details, contact your local IPA Chapter or:

**Mr.Subhash Deshpande**

Director, Plumbing,  
IAPMO India Email:

[subhash.deshpande@iapmo.org](mailto:subhash.deshpande@iapmo.org)



## **RATING SYSTEM FOR SUSTAINABLE PLUMBING IN INDIA**

### **WATER EFFICIENT PRODUCTS – INDIA (WEP-I):**

This publication: Water Efficient Products- India (WEP-I) is also the result of the joint effort of the Indian Plumbing Association (IPA) and the International Association of Plumbing & Mechanical Officials (IAPMO- India).

WEP-I is a Rating System for Sustainable Plumbing in India. WEP-I is a set of recommendations to all those who are involved in the design, engineering, manufacturing, selection, installation and maintenance of water efficient plumbing products for domestic and commercial applications in India.

The use of WEP-I is intended to encourage use of water efficient products with uniformity in the performance.

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THE UNIFORM PLUMBING CODE – INDIA (UPC-I) is the first ever plumbing code developed by the Indian Plumbing Industry itself, to achieve its mission – “Better Plumbing for Better Living”.

IAPMO-India and the IPA together have published 2008 Uniform Plumbing Code – India. It is a model code of design, installation and maintenance of plumbing systems in India.

GREEN PLUMBING CODE SUPPLEMENT INDIA (GPCS-I) is the most comprehensive document on sustainable plumbing systems. It offers guidelines on design, selection, installation and maintenance of water and energy saving plumbing products and systems while reducing the GHG emissions.

This code was published in February 2010.

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**Call @ 080 3071 4500**

# DID YOU KNOW?



The word “plumber” dates all the way back to the Roman Empire. In Rome, pipes were originally made from lead, which is “plumbum” in Latin. People who worked with lead were called Plumbarius, which was eventually shortened to the word we use today.



**Send your suggestions, pictures, photos, posters, cartoons of interest! to [news@iapmoindia.org](mailto:news@iapmoindia.org)**



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