Message from the President’s Desk:

10th March 2015

With recent 44th National Safety Day & Week celebrations, safety professionals have possibly been able to harness some additional energy for the body, mind and soul and also been able set their sight towards a brighter future with greener pastures.

As we progress in our journey, it is paramount to keep fulfilling our professional commitments in an ethical and transparent framework. While we derive professional satisfaction and happiness whenever our work is recognized and our competence is acknowledged, we need to keep in mind the expectation to perform our role in a forthright, fearless and unbiased manner, without any prejudice. With this background, we need to prepare ourselves to be an effective and successful catalyst in safety cultural transformation, all the time, at every level.

We have a long way to go, in taking safety to the next level in various spheres of our lives. This requires our proactive role not only in promoting safety and health at work, but also for spreading safety awareness to the public in general.

As per one international study, an average 15 to 20% of beds in any multispecialty hospital get occupied by injury victims and a large number of them are due to non-occupational accidents. This number is likely to rise in future unless appropriate measures are taken to stop the trend. Road accident and road safety are another areas where we need to focus as these are increasingly becoming reasons for mortality and morbidity in the society.

Let us rededicate ourselves for the cause of safety and garner support from all stakeholders in taking forward our mission of protecting people, property and the environment.

Best Wishes,

Krishna Nirmalya Sen,
President, ASSE India Chapter

Editor's Corner:

Dear Reader,

We are presenting the 13th Issue of ASSE India Chapter Newsletter.

Recently on 4th March ASSE India Chapter has completed its 3 years of colorful journey. The movement of “Protecting People, Property and Environment” is spreading its wing with several new independent Sections and Chapters in the country. With the same tempo this newsletter is also moving ahead steadily with all members' well wishes and supports.

Like all previous issues I have tried to make this issue interesting and informative. The issue is furnished with an article on Organization's HSE Program, information on forthcoming events, glimpse on how National Safety Day has been celebrated at different esteemed organizations, information on forthcoming important days in SHE calendar and the history or background of those days. And of-course, your favorite quiz contest.

Let me share a scoop with all of you. To encourage the SHE professional, those who are contributing article in this newsletter, ASSE India Chapter's Executive Committee is reviewing the suggestion of selecting “Best Article of the Year”. Hope soon we will able to share the good news.

So, do keeps on sending interesting articles on OH&S for publication.

Warm Regards to all our Readers,

Sandip Mukherjee,
Chair – Newsletter (ASSE India Chapter)
While designing the HSE program following should be taken into consideration –

- integration of men-machine-material-environment and management,
- consultation & communication protocol (HSE meetings at all levels, HSE training program (on the job, off the job, online), HSE sampling, HSE tour, HSE tool box talk / briefings, HSE walk round, HSE statistics reporting, HSE alert & bulletin, HSE promotional activities (such as promotional banners, posters, rewards system, HSE events, road show / campaign, exhibition, workshop), HSE inspections, HSE audits (1st, 2nd, 3rd party), hazards identification techniques / job hazards analysis / job safety analysis, Permit to work, SIMPOS procedure)
- hazardous material / substance management, waste management,
- area classification & various fixtures fitting
- formation of HSE committee,
- hygiene surveys (noise, Illumination, vibration, chemical exposure, operating parameters like temperature, pressure, humidity, work station design & work conditions), Pre-employment medical health checkups, intermittent medical checkups, incident management,
- access control & security management,
- HR related procedures such as recruitment, trailing, human rights, non-discrimination policy, work place violation, conflict management, conflict of interest, etc.
- human attitude & aptitude,
- stress & fatigue management,
- work place design & accessibility,
- scope of work,
- duty of care,
- past incident records,
- HSE performance monitoring mechanism,
- Indicators such as leading & lagging with cost of accident, environmental monitoring reports, regulatory return, compliance register, action tracking & close out register, regulatory citation / notice may give insight of the organization’s HSE level of compliance & off course feedback of human working for the organization and contractors, suppliers & clients.
- ALARP (as low as reasonably practical) principle may be adopted where factual data’s are not available.
- HSE function must be embedded in organization’s culture like value not as priority because priority may change at any point of time and organization’s senior management should walk & talk by setting examples to demonstrated commitment towards HSE.

Similar to any development, effective HSE implementation also required to have continual development approach, not continuous. Below charts may clarify the both terminology,
For sustainable development, organization should put more emphasis on continual improvement. To achieve sustainable growth P-D-C-A cycle come to aid.

To facilitate the organization’s sustainable growth,

One should be familiar with Organization’s HSE Management Program.

A Tribute to National Safety Day

ONLY ONE LIFE!

I am taught always to try
I am convinced never to cry
I am advised never be naughty
I always try to know a bit of “Safety”

I feel pity, when a man gets hurt
I go closer to him for wiping blood & dirt
I share tips to keep him fit & fine
I start enjoying his smile & shine

I feel for injured, I really feel sad
I try make them understand, never to craze & mad
I wish to enjoy Life, but not me alone
I always try to hold others hand, together to reach home.

One hand cannot clap, one leg cannot walk
Please be safe, least depend on luck
Take a little more time, think a bit more
Life is only one, safely enjoy more.

By: Bhaskar Chakraborty
Area HSE Manager (J3 Project, Jamnagar)
e-mail: bchakraborty_9@rediffmail.com

Glimpses of National Safety Day Celebration

Indian Oil Corporation Limited (IOCL) Fire & Safety Department of Paradip Refinery Project observed National Safety Week from 4th to 11th March 2015 involving various stake holders within projects and from society. A report –

Program overview –

<table>
<thead>
<tr>
<th>DATE &amp; DAY</th>
<th>ACTIVITY &amp; PROGRAMME</th>
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<tbody>
<tr>
<td>04.03.2015</td>
<td>Display of Safety Banners &amp; Posters at strategic locations, Pinning of Safety Badges.</td>
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<td></td>
<td>Inaugural Function of 47th NSO/Safety Week 2015 at 10.30 AM</td>
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<td>Hosting of Safety Flag in front of South Fire Station by ED (c)</td>
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<td></td>
<td>Administration of Safety Pledge</td>
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<td>Release of special issue of e-Safety Bulletin</td>
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<td>Opening of on-line Safety Quiz &amp; Safety slogan competition</td>
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<td>Exhibition of Firefighting, Safety &amp; Rescue equipment</td>
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<td>05.03.2015</td>
<td>Mass Awareness Programme on &quot;Safety during Communion&quot; at AVU, CPP, SRU &amp; RSID &amp; On the spot safety quiz competition for Contractor employees</td>
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<tr>
<td>06.03.2015</td>
<td>Fire Safety Day event in association with OMC on &quot;Fire safety during Communion&quot; at CPP, AVU, CPP, DCC, SRU &amp; RSID</td>
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<tr>
<td>07.03.2015</td>
<td>Mass Awareness Programme for School Children (Theme: Make Safe Your Way of Life) at Delhi Public School. (Open for dependent children of other projects also)</td>
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<tr>
<td>08.03.2015</td>
<td>Mass Awareness Programme on &quot;Safety during Communion&quot; at AVU, CPP, SRU &amp; RSID</td>
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<tr>
<td>09.03.2015</td>
<td>Fire Station Event associated with OMC on &quot;Fire safety during Communion&quot; at CPP, AVU, CPP, DCC, SRU &amp; RSID</td>
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<tr>
<td>10.03.2015</td>
<td>Mass Awareness Programme for Women Employees of PDRP in association with WIPF at Training Centre</td>
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<tr>
<td>11.03.2015</td>
<td>On-site Disaster Drill as a part of ERMP of PDRP, participation of Mutual AI Industries at Local Authorities</td>
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<tr>
<td>12.03.2015</td>
<td>Mass Awareness Programme on &quot;Fire safety during Communion&quot; at AVU, CPP, SRU &amp; RSID &amp; On the spot safety quiz competition for Contractor employees</td>
</tr>
<tr>
<td>13.03.2015</td>
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<td>14.03.2015</td>
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<tr>
<td>15.03.2015</td>
<td>Mass Awareness Programme for Women Employees of PDRP in association with WIPF at Training Centre</td>
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<tr>
<td>16.03.2015</td>
<td>On-site Disaster Drill as a part of ERMP of PDRP, participation of Mutual AI Industries at Local Authorities</td>
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<tr>
<td>17.03.2015</td>
<td>Mass Awareness Programme on &quot;Fire safety during Communion&quot; at CPP, AVU, CPP, DCC, SRU &amp; RSID</td>
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<tr>
<td>18.03.2015</td>
<td>Mass Awareness Programme for School Children (Theme: Make Safe Your Way of Life) at Delhi Public School. (Open for dependent children of other projects also)</td>
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<tr>
<td>19.03.2015</td>
<td>Mass Awareness Programme on &quot;Safety during Communion&quot; at AVU, CPP, SRU &amp; RSID</td>
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<tr>
<td>20.03.2015</td>
<td>Mass Awareness Programme for Women Employees of PDRP in association with WIPF at Training Centre</td>
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<td>21.03.2015</td>
<td>On-site Disaster Drill as a part of ERMP of PDRP, participation of Mutual AI Industries at Local Authorities</td>
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<tr>
<td>22.03.2015</td>
<td>Mass Awareness Programme on &quot;Fire safety during Communion&quot; at CPP, AVU, CPP, DCC, SRU &amp; RSID</td>
</tr>
<tr>
<td>23.03.2015</td>
<td>Mass Awareness Programme for School Children (Theme: Make Safe Your Way of Life) at Delhi Public School. (Open for dependent children of other projects also)</td>
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<tr>
<td>24.03.2015</td>
<td>Mass Awareness Programme on &quot;Safety during Communion&quot; at AVU, CPP, SRU &amp; RSID</td>
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<tr>
<td>25.03.2015</td>
<td>Mass Awareness Programme for Women Employees of PDRP in association with WIPF at Training Centre</td>
</tr>
<tr>
<td>26.03.2015</td>
<td>On-site Disaster Drill as a part of ERMP of PDRP, participation of Mutual AI Industries at Local Authorities</td>
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</tbody>
</table>
Inaugural moments –
The 44th National Safety Day was inaugurated on 4th March '2015 at Paradip Refinery with the theme “Build a Safety Culture for Sustainable Supply Chain”. Shri Ramjee Ram, Executive Director (I/c) inaugurated the National Safety Day and the Safety Week by hoisting the Safety flag in the presence of Shri V. K. Shukla, Executive Director (CG), Shri G. S. Singh, Executive Director (T) - Designate, senior officials, AC (CISF) and employees at the Refinery South Fire Station.

FLAG HOISTING, GUARD OF HONOUR & WELCOME ADDRESS

Shri Ramjee Ram, Executive Director (I/c) hoisting the Safety Flag at South Fire Station

Shri B. K. Panda, CM(F&S) presenting the Welcome Address

SAFETY PLEDGE
Safety pledge was administered in Odia, Hindi & English by Shri Ramjee Ram, ED(I/c), Shri V. K. Shukla, ED(CG) and Shri G. S. Singh, ED(T)-Designate respectively.

ADDRESS SPEECH & VOTE OF THANKS
In his inaugural address, Shri Ramjee Ram, ED (I/c) congratulated on completion of 50 Million safe man hours. He emphasized on the need to be more vigilant during the present transient phase from construction to commissioning. He urged all for repeatedly educate the work force on hazard associated with commissioning and the need to adhere to correct procedures and operations.

DEMONSTRATION OF PPEs & SAFETY EQUIPMENTS

Shri Ramjee Ram, ED(I/c) released the special issue of “SURKSHA PRAKASH”. Shri V. K. Shukla, launched the Online Safety Quiz Contest on the Intranet. The online safety slogan contest was inaugurated by Shri G. S. Singh, ED(T) – Designate.
Forthcoming Events

Safety India 2015

ASSE invites those interested in presenting at its Safety India 2015 Professional Development Conference and Exposition to submit a proposal for review by the Conference Planning Committee. Safety India 2015 will provide a forum for occupational safety and health (OSH) professionals to:

- Identify key issues facing OSH professionals
- Expand their knowledge and professional skills
- Prepare for the challenges in the OSH fields
- Engage in the discourse concerning the profession
- Identify emerging issues relevant to the profession

# Early Bird Registration Open till 15th March 2015
# Paper Submission Deadline 15th May 2015

For Detail please visit: www.safetyindia2015.org
E-mail: safetyindia2015@mci-group.com

Annual Conference of ASSE India Chapter

It may be a matter of happiness to note that ASSE India Chapter is completing 3rd year on 4th March 2015. It is bit nostalgic as it is a long way since we started preparing for this launch sometimes during middle of 2011 and there were many people who came forward to support with positive energy and made this a very successful event.

Going forward, 3rd Annual Day celebration of ASSE India Chapter has been planned in a befitting manner during 28-29th April 2015 (to coincide with Word Day for Safety and Health at Work) in Kolkata and hope many of you will be able to participate in the same. Taking a moment to extend our invitation, more details will be notified soon.

Venue: Pride Hotel; Kolkata
Date: 28th and 29th April 2015
This conference covers technical sessions on SHE for various industries.

N.B.: Special privilege for ASSE Members and Students

For further detail, contact: Mr. K N Sen (President, ASSE India Chapter. E-mail: knsen@intecc.com

Organized by: ASSE India Chapter
Protecting People, Property and Environment

31st International Congress on Occupational Health

Motto:
Global Harmony for Occupational Health: Bridge the World

- Date : Sunday May 31 - Friday June 5, 2015
- Venue : COEX Convention Center, Seoul
- Organizers : International Commission on Occupational Health (ICOH)
Korea Occupational Safety and Health Agency (KOSHA)
Korean Society of Occupational and Environmental Medicine (KSOEM)

Congress Objectives

- Contributing to academic development by sharing state of the art researches, knowledge, and experience in the OSH field
- Reinforcing mutual cooperation by bolstering the solidarity of the global OSH professionals
- Laying a platform to advance practical knowledge in the OSH field

For Program details and Registration:
E-mail: info@icoh2015.org

Few other important days of Safety, Health and Environmental calendar in April 2015

World Health Day

The World Health Day is a global health awareness day celebrated every year on 7 April, under the sponsorship of the World Health Organization (WHO).

In 1948, the WHO held the First World Health Assembly. The Assembly decided to celebrate 7 April of each year, with effect from 1950, as the World Health Day. The World Health Day is held to mark WHO’s founding, and is seen as an opportunity by the organization to draw worldwide attention to a subject of major importance to global health each year. The WHO organizes international, regional and local events on the Day related to a particular theme. Resources provided continue beyond 7 April, that is, the designated day for celebrating the World Health Day.

World Health Day is acknowledged by various governments and non-governmental organizations with interests in public health issues, who also organize activities and highlight their support in media reports, such as through press releases issued in recent years by US Secretary of State Hillary Clinton and the Global Health Council.

World Health Day Theme 2015

FOOD SAFETY

Background
Unsafe food is linked to the deaths of an estimated 2 million people annually – including many children. Food containing harmful bacteria, viruses, parasites or chemical substances is responsible for more than 200 diseases, ranging from diarrhea to cancers.

New threats to food safety are constantly emerging. Changes in food production, distribution and consumption; changes to the environment; new and emerging pathogens; antimicrobial resistance - all pose challenges to national food safety systems. Increases in travel and trade enhance the likelihood that contamination can spread internationally.
As our food supply becomes increasingly globalized, the need to strengthen food safety systems in and between all countries is becoming more and more evident. That is why the WHO is promoting efforts to improve food safety, from farm to plate (and everywhere in between) on World Health Day, 7 April 2015.

WHO helps countries prevent, detect and respond to foodborne disease outbreaks - in line with the Codex Alimentarius, a collection of international food standards, guidelines and codes of practice covering all the main foods and processes. Together with the UN Food and Agriculture Organization (FAO), WHO alerts countries to food safety emergencies through an international information network.

Five keys to safer food

Food safety is a shared responsibility. It is important to work all along the food production chain – from farmers and manufacturers to vendors and consumers. For example, WHO’s Five keys to safer food offer practical guidance to vendors and consumers for handling and preparing food:

- Key 1: Keep clean
- Key 2: Separate raw and cooked food
- Key 3: Cook food thoroughly
- Key 4: Keep food at safe temperatures
- Key 5: Use safe water and raw materials.

World Health Day 2015 is an opportunity to alert people working in different government sectors, farmers, manufacturers, retailers, health practitioners – as well as consumers – about the importance of food safety, and the part each can play in ensuring that everyone can feel confident that the food on their plate is safe to eat.

Source: www.who.int

Earth Day

Earth Day is an annual event, celebrated on April 22, on which day events worldwide are held to demonstrate support for environmental protection. It was first celebrated in 1970, and is now coordinated globally by the Earth Day Network and celebrated in more than 192 countries each year.

In 1969 at a UNESCO Conference in San Francisco, peace activist John McConnell proposed a day to honor the Earth and the concept of peace, to first be celebrated on March 21, 1970, the first day of spring in the northern hemisphere. This day of nature’s equipoise was later sanctioned in a Proclamation written by McConnell and signed by Secretary General U Thant at the United Nations. A month later a separate Earth Day was founded by United States Senator Gaylord Nelson as an environmental teach-in first held on April 22, 1970. Nelson was later awarded the Presidential Medal of Freedom Award in recognition of his work. While this April 22 Earth Day was focused on the United States, an organization launched by Denis Hayes, who was the original national coordinator in 1970, took it international in 1990 and organized events in 141 nations. Numerous communities celebrate Earth Week, an entire week of activities focused on environmental issues.

Source: www.earthday.org

World Day of Safety and Health at Work

The theme of the campaign for 2015 is:

Join in building a culture of prevention on OSH

The World Day for Safety and Health at Work is an annual international campaign to promote safe, healthy and decent work. It is held on 28 April and has been observed by the International Labor Organization (ILO) since 2003.

28 April has also for long been associated with the world’s trade union movement’s commemoration of the victims of occupational accidents and diseases.

A national occupational safety and health culture is one in which the right to a safe and healthy working environment is respected at all levels, where governments, employers and workers actively participate in securing a safe and healthy working environment through a system of defined rights, responsibilities and duties, and where the highest priority is accorded to the principle of prevention.

This year, we will improve the Safe Day web page with new and user-friendly information to design your own campaign. You will be able to download a number of other key documents including the trilingual poster. However there will not be a report as in previous years. We invite you to visit our interactive web page as from March 2015. Please keep us informed on the activities that you will develop in this context.

The ILO celebrates the World Day for Safety and Health at Work on the 28 April to promote the prevention of occupational accidents and diseases globally. It is an awareness-raising campaign intended to focus international attention on emerging trends in the field of occupational safety and health and on the magnitude of work-related injuries, diseases and fatalities worldwide.

The 28th of April is also a day in which the world’s trade union movement holds its international Commemoration Day for Dead and injured Workers to honor the memory of victims of occupational accidents and diseases and organize worldwide mobilizations and campaigns on this date.

With the celebration of the World Day for Safety and Health at Work, the ILO promotes the creation of a global preventative safety and health culture involving ILO constituents and all key stakeholders in this field. In many parts of the world, national authorities, trade unions, employers’ organizations and safety and health practitioners organize activities to celebrate this date. We invite you to join us in celebrating this significant day and share with us the activities you organize.

Source: www.ilo.org
Fire Service Day / Week

The Fire Service Week (FSW) is observed nation-wide under the guidance of the Fire Adviser, Ministry of Home Affairs, Govt. of India during April 14 - 20. This is in remembrance of the lives lost in the devastating fire that erupted and the explosions that followed on 14th April, 1944 at the Victoria Dock in the Bombay Port and also to prevent fire in all industries.

Request all OHS Professional to use word “Observe” and not “Celebrate” as we pay homage to the fire fighters and conduct awareness program to avert such situations in timely manner.

History of Fire Safety Day / Week

At 16:40 hours on 14th April 1944, Mumbai was rocked by the catastrophic explosions in a vessel S.S. "Fort Stikine" berthed at No.1, Victoria Dock. The ship contained nearly 1,200 tons of explosives, cotton bales and oil drums. The destruction was appalling. Prince's and Victoria Docks, were full of blazing and drifting ships, while other sank near the littered which they had been-moored. The approach channels the docks were littered with obstruction, and a vast land area of various types of buildings, roads and railways were utterly devastated. Beyond this area fires raged caused by the wide dispersal of incendiary material from fatal ship. The disaster involved heavy loss of human life.

The magnitude of the explosion could be judged from the fact that a ship lying at the adjacent No.2 berth - Victoria Dock, 400 feet long and dropped on land with the midship section across the quay and the bow was overhanging the water. All building and ships in Prince's and Victoria Docks were set on Fire. An area of 100 acres adjacent to the docks was gutted. Fire engines disappeared from the face of the earth. Steel-framed buildings collapsed into tangled masses of fused steelwork and debris. Bulk grain stores continued to burn and smolder for four months. Fragments of mangled steel weighing up to 100 tons travelled laterally at incredible velocities passing through whatever was in their paths. The bridges over the dock entrance were irreparably damaged. Hydraulic operating gear for dock gates bridges were buried beneath masses of cotton and debris. In Victoria Dock, 500 ton ship was sunk at the inner end of the entrance and a 300-ton water boat was submerged just outside. Masses of the superstructure, such as masts and rigging, completely blocked the entrance to the Dock. The water surface of both docks was solidly covered by a mass of floating cotton, damaged cargo, debris and corpses. It took three weeks to clear the debris. Small crafts such as tugs, lighters, water boats had sunk. Transit sheds; warehouses, dock buildings, offices and other structures were razed to the ground and reduced to tangled heaps of rubble, steel and ashes which completely blocked all roads and railways. The railway tracks were irreparably damaged. Electric sub-stations were gutted. Hydraulic, electric and fresh water mains, sewers and storm water drains were damaged by the tremendous earth tremor caused by the explosions.

The actual seat of the explosions revealed two huge craters and hundreds of feet of shattered quay wall forming a vast beach reaching far out below the water in the dock. Ashore as the sun set the wind swept the flames towards the center of the city in raging inferno visible for miles. As dawn of the 15th April approached what was left of the Firemen was to arrest the wrought and havoc that devastated the area. The authorities in power ordered about Fire lane" to be dynamited through the center of the City and everything on the dock side to be concede to the flames. This was an unbearable pain added to the injuries already caused by the explosion to the Firemen. The Officer Fire Services Mr. Norman Coombs who had enormous faith and confidence in his gallant Firemen vehemently refused to budge and the Firemen stood to their post so that the fire did not cross the 'Fire lane'. The heroism and devotion to duty of these Firemen were thus proved. For weeks the fires burned in the devastated area but never crossed that 'lane' for the brave Firemen stood to their stead with no relief whatsoever ungrudgingly for days together 'Mumbai was saved'.

No exact toll of dead or injured will ever be known except for those 66 gallant personnel of Fire Service who laid down their lives and it is for their great act of bravery and devotion to duty that our great National salutes them to this day "14th April" every year and years to come. For those who gave their lives on duty died a glorious death. 'Death or Glory' was the motto of these gallant men, and their sacrifice shall remain in memory forever. They brought honors and glory to the Bombay Fire Service. The services rendered by the Brigade will go down in the history in golden letters.

The officers and men did not die in an emotional heat of battle but laid down their lives in the cause of safety, welfare and prosperity of the citizens and the community at large of the city. In recognition, the citizens of Mumbai erected a Memorial Column at the Fire Brigade Headquarters at Byculla and the Government of India declared 14th April as "Fire Services Day" to be observed nation-wide every year. Thus, the city and the nation took pride in the Brigade, which established a memorable example for other Fire Services to emulate.

Source: www.citehr.com

ASSE INDIA CHAPTER is happy to announce that the ASP/CSP workshop will be conducted

In Chennai on March 20, 21 and 22 (Friday, Saturday and Sunday) 2015

By: Mr. P K Mukhopadhyay (ASP/CSP Workshop Faculty).

Contact for further Information: pkm.otsf@gmail.com

M: +91 9825406332

Mar/2015

ASSE - India
HSE Quiz

1. In-case the servicing and/or maintenance is performed by a group of employees, who is responsible for executing the tagout /lockout procedure?
   A  A single authorized employee  
   B  Each employee working on the machine  
   C  The employer  
   D  A designated employee chosen by vote

2. Before implementing energy control procedures or performing maintenance and/or servicing operations, we should know?
   A  The sources of hazardous energy  
   B  The magnitude and type of hazardous energy sources at the workplace  
   C  The procedures that control hazardous energy  
   D  All of the above

3. What does the acronym NIHL stand for, with respect to hearing conservation?
   A  Northern India Hockey League  
   B  Noise Induced Humming Level  
   C  Noise Induced Hearing Loss  
   D  None of the above

4. Continuous exposure to noise levels at ____ decibels (dB) or above can cause hearing loss....
   A  85  
   B  80  
   C  90  
   D  75

5. To what does the acronym SLM refer?
   A  Short Laser Monitor  
   B  Sound Level Meter  
   C  Service Level Management  
   D  Silent Language Management

Watch out the next issue for correct answer
Answers from last issue’s (February / 2015) Quiz: 1 (C); 2 (D); 3 (C); 4 (C); 5 (D)

You are welcome to send your inputs to: Sandip Mukherjee; e-mail: smukherjee1971@yahoo.co.in; Phone: +91 9829600067
Selected articles shall be published in next publication

Become an ASSE member today & avail a world of professional opportunities....

ASSE offers its members many opportunities for networking, professional development, global media outreach, government affairs programs, standards development, publications and other resources. For further details, please contact:

Mr. K. N Sen, President; email: knsen@Intecc.com; Phone - +91 9444399208

Mr. V Janardhanam, Secretary; email: vjana05@gmail.com; Phone: +91 9500079757

For more information please visit our website - http://india.asse.org

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