

Two-day Workshop on
PROCESS SAFETY AND SECURITY

on
27 & 28 August 2015

at
Seminar Hall
Bangalore Institute of Technology
K. R. Road, V. V. Puram
Bangalore – 560 004

Organised by



ICC
Indian Chemical Council



Jointly with



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
KARNATAKA STATE POLLUTION CONTROL BOARD

CRDFGLOBAL
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OUR COMMITMENT TO SUSTAINABILITY

CIR: 27/ F: 95

24 JULY 2015

TO: ALL MEMBERS OF THE COUNCIL

**SUB: TWO-DAY WORKSHOP ON "PROCESS SAFETY & SECURITY" ON 27 – 28 AUGUST 2015
AT BANGALORE**

Dear Sir / Madam,

We are happy to inform you that **Indian Chemical Council (ICC)** jointly with **Academy of Certified Hazardous Materials Managers (ACHMM)-India Chapter** supported by **Karnataka State Pollution Control Board, Sandia National Laboratories' International Chemical Threat Reduction (ICTR), American Chemistry Council (ACC) & CRDF GLOBAL of USA** organizing a **Two-day Workshop on "PROCESS SAFETY & SECURITY"** on 27 & 28 August 2015 at Seminar Hall, 2nd Floor, Bangalore Institute of Technology, K. R. Road, V. V. Puram, Bangalore – 560 004 (Tel : 080 22615865 / 22613237 / Fax : 080 26526796 / E-mail : r.gc@rediffmail.com).

Dr. Ayi Vaman N. Acharya, Chairman, Karnataka State Pollution Control Board has consented to be the Chief Guest and will inaugurate the workshop and **Mrs. Kiran Mazumdar-Shaw**, Chairperson, BIOCON has agreed to attend the opening session of the workshop and will Address the delegates.

Mr. Daniel Roczniak, Senior Director, Responsible Care®, American Chemistry Council and **Ms. Susan A. Caskey**, Principal Member Technical Staff, Sandia National Laboratories are specially coming from USA to share their views regarding Process Safety & Security.

BRIEF ABOUT ORGANIZERS:

INDIAN CHEMICAL COUNCIL (ICC), established in the year 1938, is the apex national body representing all sections of Chemical Industry in India. Members include both Indian companies with a global presence, and multinational companies operating in India.

ICC's membership is spread all over the country and represent all segments of chemical industry such as Organic & Inorganic Chemicals, Fertilizers, Pesticides, Dyes, Drugs & Pharmaceuticals, Paints, Speciality & Fine Chemicals, Petrochemicals & Petroleum Refining etc.

ICC vigorously propagate the principle of RESPONSIBLE CARE®, an international initiative wherein the companies voluntarily demonstrate their commitment to improve all aspects of performance, which relate to protection of Environment, Safety and Health. ICC's latest initiative is the Nicer Globe Project, again a Responsible Care initiative, where Chemical companies, Logistic Service Providers, Disaster Management Authorities, Emergency Responders and Industry Associations are brought together for fulfillment of Responsible Care objectives of safe transportation of hazardous chemicals and improving capabilities for emergency response.

ICC has its national Headquarters in Mumbai, and regional offices at New Delhi, Kolkata, Chennai and Chapter offices at: Vadodara, Hyderabad and Vashi (Navi Mumbai).

ACADEMY OF CERTIFIED HAZARDOUS MATERIALS MANAGERS (ACHMM) is a professional membership organization founded by Environmental Professionals and Certified Hazardous Material Managers to foster fellowship, offer networking opportunities and balanced educational program for professional development in Hazardous Material Management. ACHMM is a recognized leader and resource for those practicing Environmental, Health, Safety and Management. The ACHMM-India Chapter was inaugurated on February 6, 2006 with over

200 Indian dignitaries and a team of distinguished CHMM's from the USA. The main objective of the ACHMM-India Chapter is to bring together regulatory agencies, academia and industry to interact and initiate discussions on problems related to Hazardous Material and Environmental Pollution Control issues.

The BANGALORE INSTITUTE OF TECHNOLOGY (BIT) came into existence in August, 1979 under the auspices of Vokkaligara Sangha, Bangalore. The institute offered the Bachelor of Engineering (B.E.) Degree in Civil, Mechanical, Electrical and Electronics, Electronics and Communication, Computer Science, Instrumentation Technology, Telecommunication, Information Science and Engineering and Industrial Engineering and Management.

THE KARNATAKA STATE POLLUTION CONTROL BOARD for Prevention and Control of Water Pollution was constituted by the Government of Karnataka on The Twenty First of September Nineteen Seventy Four (21.9.1974) in pursuance of the Water (Prevention & Control of Pollution) Act, 1974. The members of Karnataka State Pollution Control Board are nominated by the State Government. The Board has its Central Office at Bangalore. The enforcement of the above stated Acts and Rules are being implemented through forty four Regional Offices.

CRDF GLOBAL is an independent nonprofit organization that promotes international scientific and technical collaboration through grants, technical resources, training and services. CRDF Global is based in Arlington, Virginia. CRDF Global is proudly supported by more than 20 government agencies, private foundations and corporations, as well as individual donors. CRDF Global engages global innovators to address the critical challenges of our time—from health and the environment, to security and education. Their work of developing and managing scientific programs provides a valuable resource for government, corporate and research communities in the United States and around the world.

SANDIA NATIONAL LABORATORIES is operated and managed by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation. For more than 60 years, Sandia has delivered essential science and technology to resolve the nation's most challenging security issues. Sandia Corporation operates Sandia National Laboratories as a contractor for the U.S. Department of Energy's National Nuclear Security Administration (NNSA) and supports numerous federal, state, and local government agencies, companies, and organizations. As a Federally Funded Research and Development Center (FFRDC), Sandia may perform work for industry responding to certain types of federal government solicitations.

THE AMERICAN CHEMISTRY COUNCIL (ACC), formerly known as the Manufacturing Chemists' Association (at its founding in 1872) and then as the Chemical Manufacturers' Association (from 1978 until 2000), is an industry trade association for American chemical companies, based in Washington, D.C. The mission of the American Chemistry Council is to promote the interests of companies engaged in the business of chemistry. The ACC implemented the Responsible Care program in 1988. At least 52 countries have implemented this initiative. It is managed at a global level by the International Council of Chemical Associations.

ORGANIZING COMMITTEE:

The organizing Committee for arranging this two-day workshop includes:

1. **Prof. Dr. A G Nataraj**, Principal, Bangalore Institute of Technology, K.R. Road, Bangalore
2. **Dr. M. U. Aswath**, Prof. & Head of the Dept. of Civil Engg., Bangalore Institute of Technology, K.R. Road, Bangalore
3. **Sri. Nandakumar**, Chief Environment Officer, Karnataka State Pollution Control Board, "Parisara Bhavan", #49,4th & 5th Floor, Church Street, Bangalore-560001

4. **Dr. B. S. Jai Prakash**, Vice President, ACHMM-India Chapter, Director, Institute of Environment and Hazardous Materials Management (IEHMM), Off: V V Pura College of Science, K.R. Road, Bangalore-560004
5. **Mr. H. S. Karangle**, Director General & **Mr. R R Gokhale**, Secretary General, Indian Chemical Council, Sir Vithaldas Chambers, 6th Floor, 16 Mumbai Samachar Marg, Mumbai - 400 001

OBJECTIVE:

This workshop will incorporate the international best practices and standards for the implementation of chemical safety and security. The objectives of this event are:

- Create awareness about Process Safety and its relevance for safe manufacturing
- Create awareness of the need for chemical risk management cultural building within academic programs;
- Establish a framework and norms for what chemical risk management should encompass:
 - ✓ Risk Analysis,
 - ✓ Implementation of Risk Reduction Measures and
 - ✓ Performance Effectiveness
- Provide a clear understanding of support tools and
- Provide teach-back materials to enable participants to incorporate lessons learned from this workshop into their own curriculum.

PROGRAM:

On first day, during Pre-Lunch Session there will be 4 presentations from Indian Experts and during Post-Lunch Session and on second day, presentations will be made by experts from Sandia National Laboratories, U.S.A.

Detailed program is enclosed for your reference. Apart from Sandia National Laboratories, experts from companies like BASF India Limited, AKZO NOBEL INDIA LTD, THE SANMAR GROUP, HIKAL LTD., THIRUMALAI CHEMICALS LTD. will participate and make presentations.

WHO SHOULD ATTEND:

Workshop is highly recommended for Entrepreneurs, CEOs, HSE Chiefs, Senior Safety Executives, Safety Professionals of Cos etc.

REGISTRATION FEES (including Service Tax):

To defray the expenses, the registration fees will be Rs.11,400/- per delegate.

SPONSORSHIP:

We request members to consider sponsoring the Workshop. Sponsorship details are given below:

| | | |
|------------------------|---------------|------------------------------|
| Platinum Sponsor | Rs.3,00,000/- | 6 Complimentary Registration |
| Gold Sponsor | Rs.2,00,000/- | 4 Complimentary Registration |
| Silver Sponsor | Rs.1,00,000/- | 2 Complimentary Registration |
| Lunch / Dinner Sponsor | Rs. 50,000/- | 1 Complimentary Registration |

Organizers will acknowledge Sponsorship support by displaying an appropriate banner at the venue of the Workshop and also on Workshop material.

We request all members to attend this important Workshop and take advantage of the same. Please confirm registration as per the format enclosed and send it to ICC Mumbai Office or Bangalore Institute of Technology, Bangalore to reach on or before Monday, 24 August 2015.

Kindly draw the Cheque in favour of

"Indian Chemical Council"

Or

Demand Draft in favour of

"ACHMM-India Chapter, Bangalore, Payable at Bangalore".

Thanking you,

Yours faithfully,



R. R. GOKHALE
Secretary General

Encl: as above

Two-day Workshop on
PROCESS SAFETY & SECURITY
 27-28 August 2015 ♦ Bangalore Institute of Technology, Bangalore

PROGRAM

DAY-1: THURSDAY, 27 AUGUST 2015

09.00 a.m.– 09.30 a.m. **REGISTRATION**

INAUGURAL SESSION

| | | |
|---------------------------|---|--|
| 09.30 a.m.- 10.15 a.m. | Welcome Address | |
| | Inaugural Address by Chief Guest: Dr. Ayi Vaman N. Acharya , Chairman, Karnataka State Pollution Control Board | |
| | Address by: Mrs. Kiran Mazumdar-Shaw , Chairperson, BIOCON | |
| | Introduction by: Mr. Daniel Rocznik , Senior Director, Responsible Care [®] , American Chemistry Council & Ms. Susan A. Caskey , Principal Member Technical Staff, Sandia National Laboratories | |
| Vote of Thanks | | |

10.15 a.m.- 10.30 a.m. **TEA / COFFEE BREAK**

| | | |
|----------------------------|---|--|
| 10.30 a.m.- 10.55 a.m. | Enhancing Security Code Credibility at the Local Level Through Common Industry Reporting Milestones | Mr. Daniel Rocznik Senior Director, Responsible Care [®] American Chemistry Council |
| 10.55 a.m.- 11.20 a.m. | Tools for Assessing Security Vulnerabilities at Low-Risk facilities | Representative of ACC |
| 11.20 a.m.- 11.45 a.m. | Process Safety as practiced in SHELL | Mr. Cheluvakumar, Shell India |
| 11.45 a.m.- 12.10 p.m. | Process Safety as practiced in BASF | Mr. Saurav Mittra BASF India Limited |
| 12.10 p.m.- 12.35 p.m. | Process Safety as practiced in AKZO NOBEL | Representative of Akzo Nobel India Ltd. <i>(Invited)</i> |
| 12.35 p.m.- 01.00 p.m. | Process Safety as practiced in Sanmar Group | Mr. Manoharan President – Safety, The Sanmar Group |
| 01.00 p.m.- 01.25 p.m. | Process Safety as practiced in Hikal Limited | Mr. Ashok Moza Corporate Head – EHS, Hikal Ltd |
| 01.25 p.m. – 01.50 p.m. | Process safety as practiced in Thirumalai Chemicals Ltd. | Representative of Thirumalai Chemicals Ltd. |

01.50 p.m.- 02.30 p.m. **LUNCH BREAK**

OVERVIEW OF CHEMICAL RISKS AND CHEMICAL RISK MANAGEMENT

| | | |
|---------------------------|---|-----------------------------------|
| 02.30 p.m.- 04.45 p.m. | Chemical Risk Prioritization (Safety and Security) | Sandia National Laboratories, USA |
|---------------------------|---|-----------------------------------|

04.45 p.m.- 05.00 p.m. **TEA / COFFEE BREAK**

05.00 p.m.- 05.30 p.m. **REVIEW & WRAP UP OF THE DAY**

DAY-2: FRIDAY, 28 AUGUST 2015

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|---------------------------|-------------------------------|-----------------------------------|
| 09.00 a.m.- 10.00 a.m. | Chemical Inventory Management | Sandia National Laboratories, USA |
|---------------------------|-------------------------------|-----------------------------------|

| | | |
|---------------------------|--|-----------------------------------|
| 10.00 a.m.- 11.30 a.m. | Physical Protection of Chemicals and the Evaluation of Physical Security | Sandia National Laboratories, USA |
|---------------------------|--|-----------------------------------|

11.30 a.m.- 12.00 noon **TEA / COFFEE BREAK**

| | | |
|--------------------------|---|-----------------------------------|
| 12.00 noon 01.00 p.m. | Personnel Management regarding Chemical Risks | Sandia National Laboratories, USA |
|--------------------------|---|-----------------------------------|

01.00 p.m.- 02.00 p.m. **LUNCH BREAK**

| | | |
|---------------------------|-------------------------------|-----------------------------------|
| 02.00 p.m.- 03.00 p.m. | Chemical Transport Management | Sandia National Laboratories, USA |
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|---------------------------|--|-----------------------------------|
| 03.00 p.m.- 03.45 p.m. | Cyber Security Impacts to Chemical Risk Management | Sandia National Laboratories, USA |
|---------------------------|--|-----------------------------------|

03.45 p.m.- 04.00 p.m. **TEA / COFFEE BREAK**

| | | |
|--------------------------|----------------------------------|-----------------------------------|
| 04.00 p.m. 04.30 p.m. | Chemical Risk Management Summary | Sandia National Laboratories, USA |
|--------------------------|----------------------------------|-----------------------------------|

04.30 p.m. - 05.00 p.m. **REVIEW & WRAP UP OF THE DAY**

**Two-day Workshop on
PROCESS SAFETY & SECURITY
27 – 28 August 2015 ♦ Bangalore Institute of Technology, K. R. Road, V. V. Puram, Bangalore**

REGISTRATION FORM

Date: _____

To:

The Secretary General
Indian chemical council
Sir Vithaldas Chambers, 6th Floor
16 Mumbai Samachar Marg
Mumbai – 400 001
Tel: 22047649 / 22048043 / 22846852
Fax: 22048057
Email: iccmumbai@iccmail.in;
events@iccmail.in

Prof. G. C. Ranganath
Dept. of Civil Engineering
Bangalore Institute of Technology
K R Road, V V Puram
Bengaluru, Karnataka 560004
Email: principalbit4@gmail.com
principal@bit-bangalore.edu.in
Phone: +91-080-26615865, 26613237
Fax: +91-080-22426796

Dear Sir,

With reference to the above, we are deputing following representative/s from our organization to attend the Workshop:

| Sl. No. | Name of Participant | Designation | Contact details (Mobile / Email) |
|---------|---------------------|-------------|----------------------------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

Registration Charges Rs.11,400/- per delegate (inclusive Service Tax)

We are enclosing herewith our Cheque/DD No: _____ dated _____ for ` _____ being the Registration Fee.

Name : _____
Designation : _____
Name of Company : _____
Address : _____
Tel. Nos. : _____
Fax Nos. : _____
Email : _____

**Kindly draw the Cheque in favour of "Indian Chemical Council" or
Demand Draft in favour of "ACHMM-India Chapter, Bangalore, Payable at Bangalore".**