

## PATRONS

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Secretary, DAE

**Shri Vivek Bhasin**  
Director, BARC

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Controller, BARC

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Director, HS&EG, BARC

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Director, RG, BARC

**Smt. Smitha Manohar**  
Director, NRG, BARC

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Director, ChEG, BARC

**Shri Umesh Dani**  
CE, NRB

**Shri K. Srinivas**  
Director, ESG, BARC

**Dr.(Smt.) Archana Sharma**  
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Executive Director, AERB

**Shri D. K. Shukla**  
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**Shri Anurag Kumar**  
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**Shri Pradip Mukherjee**  
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**Shri Satyakumar S.**  
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**Shri K. V. Sureshkumar**  
CMD, BHAVINI

**Dr. S. V. Nakhe**  
Director, RRCAT

**Dr. Sumit Som**  
Director, VECC

## National Organizing Committee

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Head, RSSD

**Shri Alok Srivastava**  
Head, IHSS

**Dr. M. S. Kulkarni**  
Head, HPD

**Dr. (Smt.) B. K. Sapra**  
Head, RP&AD

**Shri N. S. Joshi**  
Head, BSCS

**Dr. A. Vinod Kumar**  
Head, EMAD

**Dr. G. Sugilal**  
Head, FRD

**Dr.(Smt.) S. U. Nadkarni**  
Head, MD

**Dr. S. K. Jha**  
Head, RPS(NF), HPD

**Shri J. Koley**  
Head, OPSD, AERB

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**Shri N. N. Pisharody**  
CE (IS&H), NPCIL

**Shri V. V. Mahesh Kumar**  
Dy. CE (Safety HPU  
TLD & HR),NFC

## Local Organizing Committee

**Dr. R. B. Oza** RSSD

**Shri Amit Jain** RSSD

**Dr.(Smt.) Anjali Godse** MD

**Shri Saurabh Garg** EMAD

**Shri Manish Mishra** EMAD

**Shri Sridhar Sahu** RP&AD

**Shri N. S. Rawat** RP&AD

**Shri Gopal Verma** HPD

**Shri T V Dinesh** FSS

**Dr. Diptendu Das** AERB

**Dr. Vyom Saxena** IHSS

**Dr. Munish Kumar** IHSS

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**Shri J. D. Sharma** IHSS

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**Smt. Garima Singh** IHSS

**Shri Kailash H Gharat** IHSS

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**Shri Praveen Dubey** IHSS

**Smt. Pallavee Vitti K** IHSS

**Shri Ankur Chauhan** IHSS

**Shri Dharmendra S Singh** IHSS

**Smt. G L N Padmavathi** IHSS

**Shri Nitin V Choughule** IHSS

**Smt. Aparna R Sawatkar** IHSS

**Shri Mahesh Kamble** IHSS

**Shri Surendra Prasad** IHSS



For more details, please visit

**www.indshiv-2024.in**

**Email id: indshiv@barc.gov.in**

## CONFERENCE CONVENERS

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## CONFERENCE SECRETARY

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# DAE-BRNS NATIONAL CONFERENCE on Industrial Safety & Hygiene - Zero Incident Vision (IndSHIV-2024)

**January 18-20, 2024**

**DAE Convention Centre  
Anushaktinagar, Mumbai**





## ABOUT THE CONFERENCE

Safety of employees is an important aspect for smooth and successful functioning of any institution, industry or organisation. It is a decisive factor in organizational effectiveness. Organisations must incline towards achieving high OH&S performance as they do for the other key objectives of their business activities. Safety of workers has a positive impact on productivity, economic and social development. Against this background, Industrial Hygiene and Safety Section, HS&E Group of BARC is organizing the

### “Industrial Safety & Hygiene- Zero Incident Vision” IndSHIV-2024

at DAE Convention Centre, Anushaktinagar Mumbai  
**January 18- 20, 2024**

The main focus of the conference will be on the following areas:- Excellence in Employee Health & Safety at workplace, Effective compliance in an era of evolving Regulatory Landscape, Evolving trends in Risk & Incident Management, Implementing effective Behaviour Based Safety Programme to enhance organisational culture, Process Safety Management essentials to ensure inherent Plant Safety, 5S: Achieving a more organized and safer workspace, Promoting Holistic Health & Wellbeing, Leveraging Technology & Digitization for Excellence in SHE Management System.

## CONFERENCE SCOPE

### ❑ Vision for Zero Incident

- Role of Safety Culture
- Behavior Based Safety (BBS) Management
- Role of National and International Safety Legislations

### ❑ Occupational Health & Safety (OHS) Performance

- Integrated Safety Management Systems
- Leadership & Sustainable Safety Management
- Micro Hazard Mapping and Bow-tie Management

### ❑ Workers Safety Initiatives

- Human Error Assessment and Management
- Addressing Safety Issues using Accident Prevention
- Contractor Safety Management
- Safety Observations, Audits and Investigations

### ❑ Accident Prevention through Design

- Work System Design and Safety
- Quantitative Risk Assessment of Design Elements
- Design Out Hazards through Hazard Identification and Risk Assessment



### ❑ Human Factors and Industrial Ergonomics

- Occupational Health and Wellness at Work
- Human Factors and Man-Machine Interface
- Cognitive Ergonomics and Human Sensing Technologies

### ❑ Safety Analytics

- Smart action and reactions towards Safety
- Leading and Lagging Indicators & Economics of safety
- Safety Networking and Information Sharing

### ❑ Technology in Industrial Safety

- Advanced Methods for Safety Initiatives
- Safety of cyber-physical systems
- Future of AI and ML in Industrial Safety

### ❑ Physical and Chemical Agents at Workplace

- Evolution and optimization of Threshold Limit Values (TLVs) for chemical's toxicity
- Advances in measurement techniques in industrial hygiene and safety
- Chemical leak detection & management

### ❑ Safety Considerations

- Evolving trends in Risk and Incident Management
- Chemical versus radiological risk and associated philosophy
- Safety considerations during handling of hazardous substances

### ❑ Stress Risk Assessment

- Risk assessment approach to stress and its management
- Job Stress and its Management

### ❑ Ionizing and Non-Ionizing Radiations

- Radiation Safety and Protection in Nuclear Facilities
- Medical and industrial application of Non-Ionizing Radiations
- Safety during transportation of Hazardous substances

### ❑ Miscellaneous

- Case Studies

## STALLS & EXHIBITION

There will be a technical exhibition of various safety systems and safety products by reputed vendors. For stalls and exhibition related details, contact conference organisers.

## ACCOMMODATION

Accommodation to outstation participants will be made available in limited numbers on **chargeable basis**. Prior intimation will be required for this and stay will be arranged on first come first serve basis.



## IMPORTANT DATES

Abstract submission	<b>November 5, 2023</b>
Abstract acceptance notification	<b>November 15, 2023</b>
Registration starts	<b>November 15, 2023</b>
Full paper submission	<b>November 30, 2023</b>
Last date of Registration	<b>December 15, 2023</b>

**Conference language:** The conference presentations and deliberations will be in English.

## CALL FOR ABSTRACT

Authors should submit an original, unpublished abstract not exceeding 300 words. Figures and Tables, if necessary, may be included in the abstract. The abstract and full paper format can be downloaded from the conference website.

The abstract and full paper must be submitted via conference e-mail id ([indshiv@barc.gov.in](mailto:indshiv@barc.gov.in)). The full-length accepted manuscripts from registered participants will be published in the conference proceedings and IHSS e-Magazine. Best papers will be selected and awarded with the certificate.

## REGISTRATION

Registration fee (Non refundable) should be paid by cheque or through online transfer to conference account. The transaction details are to be submitted through e-mail ([indshiv@barc.gov.in](mailto:indshiv@barc.gov.in)). Registration fee includes conference kit, Lunch and tea / snacks.

Registration form can be downloaded from the conference website: <https://indshiv-2024.in>

### REGISTRATION FEE :

Faculty / Scientists / Participants	₹3000/-
Student / Research Scholars	₹2000/-

## ACCOUNT DETAILS

Account Name	: <b>INDSHIV 2024</b>
Account No.	: <b>42329662744</b>
Bank	: <b>SBI, BARC Branch</b>
IFSC code	: <b>SBIN0001268</b>