



# National Conference on Regulatory Interface

Mumbai, 28-30 November, 2017

Organised by  
AERB, Mumbai



## Safety of NPPs

Regulatory Interface with Licensees of Nuclear Power  
Plants and their Vendors

**November 28-29, 2017**

Venue: Multi-Purpose Hall, Training School Hostel  
Anushaktinagar, Mumbai – 400094

## Safety of Radiation Facilities

Regulatory Interface with Professional Associations,  
Consultants, Suppliers of Radiation Facilities

**November 30, 2017**

Venue: Niyamak Bhavan, AERB, Anushaktinagar,  
Mumbai-400094

**Introduction:**

Nuclear power is an important component of India's energy mix with the potential to provide energy security for the country in the long term. Government has plans to significantly expand the share of nuclear power generating capacity in the country in the near term, with plans of setting up a number of plants of both indigenous and imported designs.

There has been a significant growth in the use of radiation in the industry and medical applications, in the country and it is expected the trend to continue further.

The Atomic Energy Regulatory Board (AERB) is mandated with the regulation of nuclear and radiation facilities in the country. The mission of AERB is to ensure that use of ionising radiation and nuclear energy in India does not cause undue risk to the health of people and the environment.

To fulfil its mandate, AERB has issued a number of safety codes which has to be complied by the Nuclear and radiation facilities. Besides compliance to the requirements of the safety codes, the Nuclear and radiation facilities should have good safety culture and quality culture to ensure safety. The same is applicable to other stakeholders viz. Consultants, manufacturers, vendors, suppliers, contractors and service providers, who significantly influence the safety of Nuclear and Radiation facilities.

Currently AERB is interfacing with its licensees. Considering the important role of the stakeholders including manufacturers, vendors and suppliers of nuclear and radiation facilities in achieving and enhancing nuclear and radiation safety, it is important to provide platforms where the licensees and key stakeholders can interact and give their feedback to AERB. AERB considers that this kind of engagement with the licensees and stakeholders will be beneficial to strengthen both nuclear and radiation safety.

With this objective, AERB is organising a National Conference on Regulatory Interface (NCRI), in November 2017. The purpose of the NCRI is to provide a forum to take the AERB engagement beyond the licensees. This year the conference aims to bring together the licensees of nuclear power plants and radiation facilities, their vendors/suppliers and AERB, to exchange information and provide feedback on the current regulatory requirements, issues / challenges faced by the licensees in fulfilling the requirements, current issues of nuclear and radiation safety in nuclear and radiation facilities, regulatory aspects in India and worldwide, emerging trends in design and manufacturing, challenges in supply chain and effectiveness of QA programs.

### **About the Conference:**

The first edition of the Conference, NCRI 2017 will be held in Mumbai, from November 28-30, 2017.

This conference is intended to highlight the vital role that designers, equipment manufacturers, construction agencies, operators, and regulators can play in enhancing the safety of Nuclear and Radiation facilities.

NCRI 2017 will be held in two segments. The first segment will be on 'Safety of Nuclear Power Plants' (November 28 & 29, 2017) and the second on 'Safety of Radiation Facilities (November 30, 2017)'. The first segment is intended for the licensees of Nuclear Power Plants (NPPs), manufacturers, suppliers and vendors of equipment / components of NPPs. The second segment of NCRI-2017 is intended for the licensees of Radiation Facilities (RFs) and their suppliers / vendors.

The key areas for discussion are as follows:

#### ***Segment-1 – Nuclear safety (28-29 November, 2017)***

- Regulatory framework / requirements for nuclear safety
- Regulatory Requirements
- Consenting Process for NPPs
- Safety Assessment for Siting of NPPs
- Ensuring Nuclear Safety in fleet mode of Indian PHWRs
- Ensuring Nuclear Safety in fleet mode of imported Reactors
- Ensuring Quality of Nuclear Components
- Leadership and Management for Safety: Fostering safety and quality culture

#### ***Segment-2 – Safety of radiation facilities (30 November, 2017)***

- Regulatory framework and issues for radiation facilities
- Challenges in regulatory activities in radiation facilities
- Feedback from User/Manufacturer/Supplier (Medical)
- Feedback from User/Manufacturer/Supplier (Industrial)
- Issues related to occupational and patient radiation exposures
- Issues of manpower and awareness

***AERB intends to suitably utilize the feedback from this conference to further improve its future regulatory programs***

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**Registration / Participation:**

Participation in NCRI 2017 is open by invitation to the following:

- Delegates from Licensees, manufacturers, suppliers, vendors of equipment & components and service providers of NPPs and Radiation facilities.
- Organisations and associations related to Nuclear and Radiation Facilities;
- Technical Support Organisations and Consultants of AERB

Registration for the Conference is free of charge.

After receiving the invitation, interested participants may register through [ncri@aerb.gov.in](mailto:ncri@aerb.gov.in). Registration will be confirmed by e-mail to the participants.

**Important Dates:**

|   |                   |
|---|-------------------|
| Last date for Registration for NCRI, 2017 | November 10, 2017 |
| Confirmation of Registration              | November 15, 2017 |

**Venue:****Segment-1**

Regulatory Interface with Licensees of NPPs and their Vendors, November 28 & 29, 2017,

**Multi-Purpose Hall (MPH),  
Training School Hostel (TSH),  
Anushaktinagar, Mumbai – 400094**

**Segment-2**

Regulatory Interface with Licensees of Radiation Facilities (RFs) and its Suppliers, November 30, 2017,

**Niyamak Bhavan,  
Atomic Energy Regulatory Board  
Anushaktinagar, Mumbai-400094**

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