

## **Theme Meeting on 'Nuclear Energy & Radiation Applications and Safety Regulations: Emerging Aspects'**

India stated during in CoP 26 summit at Glasgow to achieve 500 GW non-fossil energy capacity by 2030, to meet 50% of its energy requirements from renewable energy by 2030, to reduce the total projected carbon emissions by one billion tonnes from now onwards till 2030, to reduce the carbon intensity of its economy to less than 45% by 2030 and to achieve the target of Net Zero by 2070.

Taking into account the limitations of renewable sources such as solar and wind for meeting electrical power requirements, nuclear energy is the most suited option for large deployment, as base load power option for the de-carbonization of energy sector. The government has expressed its intent for taking up steps for deployment of nuclear energy with large, medium and also small Nuclear Power Plants (NPPs) including SMRs to fulfill its commitment to clean energy transition.

India is one of the leading producers of radioisotopes. The radioisotopes are produced in the research reactors, accelerators and various nuclear power plants. Various DAE units are engaged in the development of radiation technologies and their applications in the areas of health, agriculture, industry and research.

AERB is organizing a Theme Meeting on **'Nuclear Energy & Radiation Applications and Safety Regulations: Emerging Aspects'** on December 29, 2022 (AN). The theme meeting will be conducted in physical and online mode from **Niyamak Bhavan-A auditorium, AERB Mumbai**.

## PROGRAM

<b>Theme Meeting on 'Nuclear Energy &amp; Radiation Applications and Safety Regulations: Emerging Aspects'</b>	
<b>Date</b>	December 29, 2022 (Thursday)
<b>Mode</b>	Physical & Online Mode
<b>Venue &amp; Timing</b>	Niyamak Bhavan-A, AERB, 14:30Hrs. onwards
<b>Welcome Address (1430 – 1445 Hrs)</b>	
<b>Shri S. B. Chafle</b> Executive Director, AERB	
<b>Technical Session (1445 – 1645 Hrs)</b>	
<b>'Nuclear Energy &amp; Radiation Applications and Safety Regulations: Emerging Aspects'</b>	
<ul style="list-style-type: none"><li>• New Build Nuclear Energy Oversight, Enhanced Safety Based Regulatory Strategy: Shri Avinash J Gaikwad, <b>Head, Emerging Regulatory Strategy Division, AERB</b></li><li>• Talk by Shri Atul Bhandarkar, <b>Director Technical, NPCIL</b></li><li>• Talk from, <b>BARC Expert</b></li><li>• Talk by Shri B. C. Pathak <b>CMD, NPCIL</b></li><li>• Nuclear Safety Regulation: Challenges in Regulation of Radiation Applications by Shri D. K. Shukla, <b>Chairman Designate, AERB</b></li><li>• Closing Remarks by Shri G. Nageswara Rao <b>Chairman, AERB</b></li></ul>	

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