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सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

परमाणु ऊर्जा नियामक परिषद

ATOMIC ENERGY REGULATORY BOARD

नियामक भवन/NIYAMAK BHAVAN,

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SECRETARY, AERB

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PRESS RELEASE

**ATOMIC ENERGY REGULATORY BOARD (AERB) RELEASES
THE ANNUAL REPORT FOR THE YEAR 2014-15**

The Annual Report for the year 2014-15 has been released by AERB in accordance with its mandate to keep the public informed on safety issues of radiological safety significance. Each year AERB publishes its Annual Report, which brings out the safety status of the nuclear and radiation facilities regulated by it and the highlights of its regulatory activities and decisions.

The Annual Report focuses on safety status of Nuclear Power Plants (NPPs), Fuel Cycle Facilities (FCFs) and Radiation Facilities monitored by AERB. The report includes the highlights of safety reviews and regulatory inspections related to commissioning of Kudankulam Nuclear Power Projects (KKNPP- 1), India's first pressurized water reactor at Kudankulam, Tamil Nadu, which culminated in the successful commissioning and subsequent regular operation for power production. The report also gives information on the safety reviews towards the commissioning of KKNPP Unit- 2, major equipment erection (last stage of construction) of 700 MWe Pressurized Heavy Water Reactor (PHWR) units under construction at Kakrapar Atomic Power Project (KAPP) and Rajasthan Atomic Power Project (RAPP), safety review of indigenously developed Prototype Fast Breeder Reactor (PFBR) at Kalpakkam, Tamil Nadu and siting consent of four units each of 700 MWe PHWR type reactors proposed to be set up at Gorakhpur, Haryana.

AERB continued to monitor the progress of safety enhancements at operating nuclear power plants post Fukushima accident and the detailed information on the safety measures already implemented in various NPPs have been given in the report. The safety statistics of NPPs and FCFs for the year 2014-15 brings out the following salient information:

- The radiation doses to occupational workers of nuclear facilities were well below the annual dose limit of 30 mSv prescribed by AERB.
- The liquid and gaseous radioactive effluents discharged to the environment from the operating NPPs were a small fraction of the limits prescribed.
- The effective dose to public around all NPP sites is only a small percentage of the annual limit of 1 mSv prescribed by AERB.
- There were 35 reportable events in the operating NPPs. These events were rated as per International Nuclear and Radiological Event Scale (INES), which rates the events at seven levels (1 to 7) depending on their safety significance. The events rated at level 4 and above are termed as 'accidents' and events rated at level 1 to 3 are called 'incidents'. Events with no safety significance are rated as level 0 or below scale. Of the 35 events reported this year from Indian NPPs, 34 were rated below scale (having no safety significance) and one event was rated at scale '1' (categorised as 'anomaly' i.e. minor problems in components).
- Over the years, with constant efforts from AERB and dedicated commitment from utilities, the industrial safety performance of DAE units has improved appreciably.

AERB hosted the Integrated Regulatory Review Service (IRRS) Mission of IAEA, the first ever international peer review of AERB by a team of

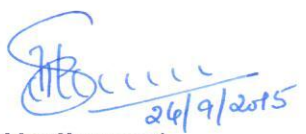
IAEA. The IRRS team visited AERB during March, 2015 for peer review of India's legal and regulatory framework for safety regulation of nuclear power plants and projects. The acknowledgement of the effectiveness of India's safety regulation in the outcome of the IRRS mission has boosted the AERB's resolve and commitment for ensuring a high level of safety in the facilities and activities. The report covers the highlights of the mission.

The report also summarizes on the progress made in the AERB's efforts towards e-governance through launch of a web-based application, 'e-Licensing of Radiation Applications (e-LORA)' with the objective to enhance the efficiency and transparency in the regulatory process by utilizing automation of regulatory processes for registration of various radiation facilities, radiation professionals and exchange of information. Subsequent to operationalizing the system, notable strides have been made in registration of diagnostic x-ray equipment. At present, e-LORA is operational for the applications of radiation including Diagnostic Radiology, Gamma Irradiation Chambers, Industrial Radiography, Nuclear Medicine, Nucleonic Gauges, Radiotherapy and Well logging.

AERB continues its efforts towards wider public outreach by issuing press releases and by conducting and supporting various conferences including press conferences, seminars and meetings in different parts of the country and these efforts have been summarized in the report.

The full version of the report can be accessed from the website of AERB (www.aerb.gov.in) at the following link:

http://www.aerb.gov.in/AERBPortal/pages/English/annrpt/annrptBody_publications.action


(S. Harikumar)