

**Theme Meeting on 'New Dose Limits For Eye Lens-Measurement, Monitoring And Regulation' held at Niyamak Bhavan-A auditorium on March 18, 2016**

As per the existing AERB directive, occupational exposure of any workers shall be so controlled that the equivalent dose to the eye lens should not exceeds 150 mSv in a year. However, for occupational exposure in planned exposure situations, International Commission on Radiological Protection (ICRP) recommends an equivalent dose limit for the lens of the eye as 20 mSv in a year, averaged over defined period of 5 years, with no single year exceeding 50 mSv.



**Theme Meeting On 'New Dose Limits For Eye Lens -Measurement, Monitoring And Regulation' in progress**

*(L to R : Shri P.R.Krishnamurthy, Director, OPSD, AERB addressing the gathering, Shri S.K.Pawar, OPSD, Shri D. K.Shukla, ED, AERB and Dr. K.S. Pradeep Kumar, AD, HSE Group, BARC)*

AERB prescribes the occupational dose limits after a detailed review of dose limits as prescribed by ICRP and IAEA. In view of obtaining feedback from NPPs, AERB, BARC, IGCAR and other DAE units on the new guidelines for eye lens dose limits, a discussion meet was organised at Niyamak Bhawan (AERB), Mumbai on March 18, 2016. Around 80 participants from various units of DAE had attended the meeting.

Eminent speakers from BARC, AERB, IGCAR and other organizations delivered the lectures on relevant topics such as biological effects of radiation on the lens of eyes, Dose measurement and regulation of eye lens dose, Monitoring of Eye Lens Dose-current development in India & International Practice, Radiation in interventional radiology, measurement of eye lens dose during medical application of radiation, relationship of cumulative low-level dose of ionizing radiation on human eye lens and occurrence of Cataract etc. After detailed discussion, based on the views expressed by speakers and feedback from participants it was concluded that “revised dose limits to the lens of eye” can be implemented in coming years.