The fourth Regional Training Course on Physical Protection of Nuclear Materials and Facilities was organized jointly by the Department of Atomic Energy, Government of India and the International Atomic Energy Agency (IAEA) during 16 – 27 April, 2007 at Hotel Sea Princess, Juhu, Mumbai. The course was inaugurated by Mr S.S. Bajaj, Senior Executive Director (Safety), Nuclear Power Corporation of India Limited (NPCIL) and concluding session was chaired by Mr H.S. Kushwaha, Director, HS&E Group, BARC. This two week course was organized with 37 lecture sessions and 10 workgroup sessions, a plenary session and a field visit to KAPS.

Wide ranging topics under nuclear security like nuclear fuel cycle activities and their physical protection concern, Design Basis Threat (DBT), design and evaluation of physical protection system, international physical protection regime, IAEA activities in nuclear security, security technologies, security and control of radioactive sources etc. were covered in depth during this course. It also included several emerging areas of nuclear security like safety-security interface, interface between nuclear material control, accounting and security etc. Working group exercises were carefully designed, to cover different aspects of designing of physical protection systems for...
nuclear facilities including designing of sub-systems, evaluation and upgradation of design.

There were 34 course participants, 19 foreign participants; 7 from Indonesia, 3 each from China and Bangladesh, 2 each from Thailand and Vietnam, one each from Malaysia and Korea. There were 15 participants from India. Among the Indian participants, 3 were from BARC, 2 from AERB and 1 each from NPCIL Mumbai, NAPS, MAPS, TAPS, MHA Delhi, AMD Hyderabad, NFC Hyderabad, BRIT Mumbai, ECIL Hyderabad and IGCAR, Kalpakkam. A total of 17 faculty members were involved in deliberations of the 37 lecture sessions. Among these 17 faculty members, 2 were from SNL, USA, one from IAEA, one each from Russia and Spain and 12 faculty members from India were involved.

Three volumes of course material containing more than 700 pages of handouts of the presentations as well as detailed lecture notes and a CD containing all the lecture notes and other related documents provided by IAEA, was prepared for this course. The course was very well received by all participants and feedback from them was very encouraging. Agency members were extremely satisfied with the course organization, course material and the faculty.