



Bangladesh Atomic Energy Commission
Institute of Radiation and Polymer Technology (IRPT)
AERE, Savar, P. O. Box-3787, Dhaka-1000, Bangladesh
Phone-7789343; Fax: 02-7788245, E-mail:gb.irpt@gmail.com
Web site : aere.org.bd



Executive Management Seminar on Industrial Application of Gamma Radiation in Bangladesh

Date: 11th December 2011, Sunday

Time: 9.30 am

**Place: Auditorium, Institute of Nuclear Science and
Technology (INST), Atomic Energy
Research Establishment, Ganakbari, Savar**



Background

Bangladesh Atomic Energy Commission (BAEC) is one of the largest Research and Development (R&D) organizations of Bangladesh with the principal objective of promoting peaceful uses of nuclear energy for the welfare and socioeconomic development of the people. Recently BAEC has setup a Gamma Radiation Plant named GAMMA BIKIRON in the Institute of Radiation and Polymer Technology (IRPT), Atomic Energy Research Establishment (AERE), Savar, Dhaka. This Radiation plant comprises of large scale irradiation facilities and is designed for commercial and R&D purposes. This plant is fully automatic and computer controlled, equipped with 16 hangers where 250cft or more than 6 ton materials could be irradiated in a single batch. At present, the principal industrial applications of gamma radiation are sterilization of healthcare products including pharmaceuticals, family planning kits, food and agricultural products (for various objectives, such as shelf life extension, sprout inhibition, pest control, sterilization), dry & frozen fish, modification of polymeric materials, crosslinking of wire & cables, gemstone colorization etc.

Objectives

The main objects of the seminar are to

- Motivate the concerned industrialists about gamma radiation
- Diminish the misconception about induced/residual radioactivity.
- Encourage the use of modern gamma radiation facility.
- Promote R&D activities

Contact:

Director
Institute of Radiation Polymer Technology
Atomic Energy Research Establishment (AERE),
P. O. Dhaka EPZ, Ganakbari, Savar, Dhaka
Telephone: +880 2 7789343, Fax: +880 2 7788425
Cell phone: 01819252292
Email: gb.irpt@gmail.com



Gamma Radiation Facility at AERE