



**Bangladesh Atomic Energy Commission**  
**Institute of Radiation and Polymer Technology (IRPT)**  
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## **Executive Management Seminar on Industrial Application of Gamma Radiation in Bangladesh**

**Date: 11<sup>th</sup> 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

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Gamma Radiation Facility at AERE