



Sri Lanka Atomic Energy Act No. 40 of 2014
SRI LANKA ATOMIC ENERGY REGULATORY COUNCIL



Application for Licencing of Sterilization, Food Preservation and Blood Irradiation Using Ionizing Radiation

(This form can be used for new facility which requires licence for the first time)

Sources Covered by this application: Dry storage or pool type irradiation facility

Maximum Validity Period of the Licence–One year

1. General Information: *(provision of the all information requested below is compulsory)*

Details of the applicant		
Name with initials of the Applicant* (Licencee)		
Designation of the Applicant (If applicant is a person)		
Name and Address of the Institute		
Telephone No./ Fax No.		
E-mail address		
Business registration No. (only for private entities). Please attach a copy of registration		
Address where the source/equipment are used (if different from the above address)		
Telephone No./ Fax No.		
E-mail address		
Purpose of Use		
Important Requirement: Application for licence of food preservation shall accompany with a letter from Health Ministry giving approval for foods to be irradiated.		
Details of the Head of Institute(If not the licensee)		
Name with initials		
Designation		
Telephone No./Fax No.		
E-mail address		

*Head of the institute or his representative, applicant may be either institute or a person

(2) Information of users to be authorized:

2.1. Details of personnel to be authorized to operate the irradiation facility (if space is not adequate, use additional papers with same format to provide all information)

Name with initials	Date of Birth	National ID Number (Compulsory)	Designation	Qualification & experiences in the relevant field *	Details of radiation protection trainings received (title of training, organizer, year, training code etc.) *

** Attach certificates*

2.2 Details of personnel to be authorized to work in control areas (if space is not adequate, use additional papers with same format to provide all information)

Name with initials	Date of Birth	National ID Number (Compulsory)	Designation	Qualifications & experience in the relevant field	Details of radiation protection trainings received (title of training, organizer, year, training code etc.)

(3) Details of irradiator, source and facility:**3.1 Details of the irradiator and facility:**

Model/type, identification number of the irradiator	
Radionuclide used	
Name and address of the manufacturer of the irradiator	
Supplier/s and manufacturer/s of the sources	
Approved Room plan number and date of irradiator	

3.2 Details of radioactive sources:

Source serial number	Source installation date	Rack No.	Module No.	Current activity with date		Import authorization number
				Activity (MBq/Ci)	Date	

3.2.1 Provide a summary of sources in the irradiators: *(if space is not adequate, use additional papers with same format to provide all information)*

Total No. of racks	Total No of modules	Total No. of sources	Total activity (MBq/Ci)

3.3 Details of other source used (calibration source):

Radio nuclide	Initial activity with date	Source serial No.	Purpose of use	Status of the source	Import authorization number
Eg. Cs-137	185MBq(5mCi) 2000.12.05	65276	Test source	In use	AERC/IMP/A1/01

4. Radiation protection & monitoring programme:

4.1. Details of Radiation Protection Officer;

Name with initials		
Mobile No.		
Telephone and Fax Nos.		
Qualifications *		
Radiation Protection training received: (Title of the training course, training institute, year, training code, etc.)*		
Experience		

*** Attach certificates**

4.2. Radiation monitoring equipment: Description of radiation monitoring equipment available (survey meters & contamination monitors)

Type of equipment	Brand name	Measuring energy range	Model No.	Serial No.	Date of last calibration	Calibration report No.	Status of the equipment

4.3. Emergency equipment and accessories accessible in the plant: List personnel protective equipment/emergency equipment available

Name of equipment / Tool	Type / Model	No. of units available	Purpose of use

if space is not adequate, use additional papers with same format to provide all information

4.4. Attach emergency procedures and response plan and describe procedures for management of the following emergencies;

- 4.4.1. Malfunction or deliberate defeat of the safety interlock system and access control systems
- 4.4.2. Fire or explosion inside the radiation room
- 4.4.3. Jamming of automatic conveyor systems
- 4.4.4. Natural Phenomena, including earthquakes tornadoes floods or other phenomena as appropriate for the location of the facility
- 4.4.5. Stuck Source rack in an unshielded position
- 4.4.6. Radiation alarm from the product exit port monitor or the radiation monitor for the storage pool water
- 4.4.7. Detection of leaking radioactive sources or contamination of the source storage pool, or an alarm caused by contamination of pool water.
- 4.4.8. Abnormal (low or high) water level indicator, an abnormal water loss or leakage from the source storage pool
- 4.4.9. Prolonged loss of electrical power
- 4.4.10. An accident during transport of a source

4.5. Emergency contact numbers: Persons to be contacted and their contact numbers

4.5.1. Head of the Institute

4.5.2. Radiation Protection Officer and an alternative person

4.5.3. The supplier and service agent

4.6. Radiation protection and management system:

In an attachment to the application, provide information for followings;

4.6.1. Quality Assurance (QA) programme: Attach copy of the established written QA Programme, which should include;

- i. Arrangements for periodic testing and maintenance of safety system,
- ii. Name/s of personnel responsible for the QA Programme and details of their training and experience in QA.

4.6.2. Local Rules (Protection of workers and the public): Attach a copy of the written local rules related to;

- i. Medical surveillance of workers
- ii. Investigation of accidental exposures of workers
- iii. Ensuring protection of workers and general public, employing pregnant female workers, classifications of areas including instructions and warning provided
- iv. Periodic radiation surveys and maintenance of records and
- v. Management procedures for the followings
 - Over exposure of a person
 - Contamination of persons & areas

4.6.3. Educational and training programmes:

Details of educational and training programmes established for new workers and periodic refresher training for existing workers on Radiation Protection and Quality Assurance.

4.6.4. Measurement of exposure of workers and dose reports:

Describe arrangements made for measurement of exposure of workers and maintenance of records and review of doses and for actions to be taken if doses are exceeded levels established by the regulatory authority.

4.6.5. Security of the radiation sources:

Attach site security plan and provide details of physical security arrangements made to prevent the following scenarios;

i) Unauthorized access or damage to and for loss, theft or unauthorized transfer of radioactive sources.

ii) Any malicious act involving a radioactive sources.

iii) Lost or theft of the source during a transport of the sources.

4.6.6. Safety and security review: Describe your program of periodically review procedures, assessment of the quality of main safety equipment and physical security system.

4.6.7. Design features for preventing contamination: What are the special features provided to the facility to limit the spread of surface and airborne contamination by radioactive material?

5. Management of radioactive waste:

Describe procedure for management of sealed radioactive sources when become unusable, arrangement made for repartition to the supplier/manufacture of spent sources.

6. Declaration:

I hereby declare that the all the information submitted is correct to the best of my knowledge and belief. In case, it is found, at any stage, that the information provided by me is false and/or not authentic, then I hereby accept that appropriate regulatory actions may be initiated against me and my institution, in accordance with the provisions of the Atomic Energy Act No. 40 of 2014. and rules and regulations made there under.

Signature of the applicant
(If not the Head)

Date:_____

Signature of Head of the institution and seal

Date:_____

Instructions for applicants

1. The duly filled application form should be submitted to the Council along with the application processing fee of Rs 2400.00.
2. Processing fees should be made by cheque /MO/PO in favor of the Sri Lanka Atomic Energy Regulatory Council or by cash.
3. Application/s should be submitted to the Council before 30th September of each year along with the **application processing fee of Rs. 2400/=**. If application is not be submitted for renewal before 30th September, the applicant/institute **liable to pay Rs.100.00 as a surcharge for each day** until the date of submission of the renewal application, as per the Rule No. 1924/27 gazetted on 21-07-2015 on this behalf.
4. For any inquiries: Contact : Director, (Authorization) of the Council
General line : **011 2987857,59,60** E-mail : **officialmail@aerc.gov.lk**
Direct line : **011 2984098** E-mail : **prageeth@aerc.gov.lk**
Fax No : **011 2984099**
5. For details of information and to down load the licence application, visit: www.aerc.gov.lk
6. Please forward your applications to:
Director General,
Sri Lanka Atomic Energy Regulatory Council,
No. 977/18,
Kandy Road,
Bulugaha Junction,
Kelaniya.
Fax: 011 2984099
7. The licence renewal fee shall be paid upon receipt of an invoice/ proforma invoice.

Important: Incomplete applications and/or applications with insufficient information are liable to be returned to the applicant or rejected