



ATOMIC ENERGY AUTHORITY ACT NO. 19 OF 1969



APPLICATION FOR LICENCING OF MOBILE / STATIONARY PARTICLE ACCELERATORS PRODUCING X-RAYS USED FOR CONTAINER INSPECTION

(This application should be used for Licencing of particle accelerator machines producing x-rays used for container inspection)

Frequency of Licence : Biennially till 31st December of the following year

TYPE OF LICENCE

New Application

Renewal of existing Licence

If renewal,

Existing license No

Date of expiry.....

PURPOSE OF APPLICATION

Possession / Use

(Please read the instructions & definitions given in page 7 & page 8 before filling the application form)

Part 1 - GENERAL INFORMATION

1.1 Name of the Applicant¹ :.....

1.2 (a) Name of the organization:.....

(b) Address :

Mailing address	Address of the place of work (if different from mailing address)
.....
.....
.....
.....
Tel:.....	Tel:.....
Fax:.....	Fax:.....

For office use only:

RAN

(c) Will the work be carried out any places (open sites) other than the given address above?
(Yes / No)

If yes, list all other known addresses below.

1	2	3
.....
.....
.....
.....
.....
.....

1.3 Responsible representative of the applicant ²:

Name:
Designation:

Telephone :
Facsimile :

1.4 Information of persons who are responsible for operation of the machines. (*Name of the all persons who are involved in use of Particle accelerator/X-ray generator should be mentioned.*)

No	Name	Designation	Qualifications & Experience	Details of Radiation Protection training received (title of training, organizer, year, training code etc.
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Use additional papers if necessary.

Part 2 : SOURCES

2.1 (a) Acceleration tubes

Name of the particles accelerated:(Electrons /Protons/neutrons, etc.)

Acceleration Voltage :.....MV

Final Energy of the particles:MeV

Maximum Current :μA

Details of the Accelerator

Make & Model :.....

Serial Number :.....

Maximum energy of X-rays :.....

Target Material :.....

Maximum X-ray dose per inspection:.....

Attach the copies of technical specifications of the accelerator.

Part 3: FACILITIES AND EQUIPMENT

3.1 Facility specifications:

- Attach the site map indicating area reserved for the machine, buffer zone (Security zone), inspection lane, control room and personal access points to the entire area.
- Maximum expected dose rate at the boundaries of security zone during the inspection of a container.

.....

3.2 Equipment specifications:

- Description of radiation monitoring equipment available. (Survey meters, area monitors, etc.)

Type of Equipment	Manufacturer	Model No.	Serial No.	Date of last calibration	Status of the equipment

Part 4 : RADIATION PROTECTION AND SAFETY PROGRAMME

4.1 Details of Radiation Protection Officer – Level 3

Name :

Qualifications:
.....

Experience

Tel :Fax:.....E-mail.....

4.2 Monitoring Programme

a) Workplace monitoring

Describe your program for monitoring the workplace including the frequency of measurements and types of measurements are to be made, measurement methods and procedures, reference levels and the actions to be taken if they are exceeded.

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.....
.....
.....
.....

b) Individual monitoring

Describe the personal monitoring services provided for radiation workers

Type of dosimeter	No. of workers monitored
Thermoluminescent Dosimeters(TLD)	
Direct Reading Dosimeter (DRD)	
Other (specify)	

In an attachment to this application, please provide following information.

4.3 Local Rules and Supervision

- a) Describe your local rules and procedures for safe operation of the inspection system.
- b) Describe your personnel training programme to ensure that, all appropriate personnel are adequately trained in radiation safety.

4.4 Quality Assurance

Describe your program of periodically review procedures, assessment of the quality of major and safety equipment.

Part 5 :DECLARATION

I hereby declare that the information provided on this form and in support of this application is to the best of my knowledge complete and true.

.....
Date

.....
Signature of the applicant or
responsible representative of the
applicant and seal.

Instructions for the filling application form

1. Sections 1 to 4 should be filled for all categories of applications (new and renewal)
2. If new particle accelerators are added during the validity period of the licence, or location of the machine is changed an amendment to the existing licence is required. (Application form for amendment of Inspection systems containing particle accelerators should be filled. This form can be obtained from the AEA on request)
3. The application should be submitted 2 months prior to expiry of the existing licence for renewal.
4. Licence Fee

Fee for both renewal and new facilities

Type of the Facility	Fee for one unit (Including 12 % VAT and 3 % NBT)
Particle accelerators producing x-rays used for container inspection	6790.09

5. Please note that, inspection charge will be levied in addition to the licence fee as per rates determined by the authority.
6. Duly filled application forms (new or renewal) should be submitted to the AEA **without the licence fee.**
7. All payments should be made by cheque / MO / PO or by cash drawn in favor of the Chairman, Atomic Energy Authority only **after an invoice is received.**
8. Please forward your application to

Head,
Division of Radiation Protection,
Atomic Energy Authority,
60/460, Baseline Road,
Orugodawatta,
Wellampitiya.

Tel. : 0112 533427-8, 0112 534209
Fax : 0112 533448
E-mail : officialmail@aea.ac.lk
Web : <http://www.aea.ac.lk/>

Definitions

1 Applicant : Any legal person who applies to the Atomic Energy Authority for authorization to undertake any of the actions described in the Atomic Energy Safety Regulations No 1 of 1999.

Any organization, corporation, partnership, firm, association, trust, state, public or private institution, group, political or administrative entity or other persons designated in accordance with national legislation, who or which has responsibility and authority for any action taken under the Atomic Energy Authority Safety Regulations No. 1 of 1999.

2 Responsible representative of the applicant : The legal person shall bear the responsibility for setting up of and implementing the technical and organizational measures that are needed for ensuring protection and safety for the x-ray irradiator machines for which they are seeking authorization. The applicant may appoint a representative to carry out actions and tasks related to the application, but retain the responsibility for the actions and tasks himself. In this case, the representative can make commitments on behalf of the applicant on all tasks and actions relating to the application.