



# ATOMIC ENERGY AUTHORITY ACT NO 19 OF 1969



## APPLICATION FOR LICENCING OF PORTABLE / *FIXED GAUGES* CONTAINING IONIZING RADIATION SOURCES

*(This application should be used only for licencing of Portable / Fixed gauges Containing Ionizing Radiation Sources)*

**Frequency of Licence :** Biennially till 31<sup>st</sup> December of the following year

### TYPE OF LICENCE

New Application

☐

Renewal of existing licence

☐

*If renewal)*

*Existing licence No. ....*

*Date of expiry.....*

### PURPOSE OF APPLICATION

Possession / Use / Storage

*(Please read the instructions and definitions given in page 09 and page 10 before filling the application form)*

### PART 1 - GENERAL INFORMATION

1-1. Name of the Applicant<sup>1</sup> : .....

1-2. (a) Name of the Organization:.....

(b) Address:

Mailing Address	Address of the place where sources used/kept (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 address given above?.....(Yes/ No)**

**If yes, list all other known addresses below.**

<p><b>1</b></p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p><b>2</b></p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
<p><b>3</b></p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p><b>4</b></p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>

**1-3. Name of responsible representative of the applicant<sup>2</sup> :**

Name : .....

Tel No:.....

Designation:.....

Fax No: .....

**(For 1,2 Please ref. Definitions on page 10)**

**1-4. Information of other responsible persons and authorized users.** (*Name of the all persons who are involved in use of radiation sources 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- Source & Equipment.

### 2-1 (a) Fixed Gauges - Details of sealed sources and radiation devices involved in the work:

Name, Make & Model of the device	Serial No	Radio nuclide	Activity With date	Source Serial No	Purpose of use	Status of source & device
<i>Ex: Radiation Check mat</i>	<i>7526</i>	<i><sup>241</sup>Am -</i>	<i>5 mCi 12.05. 98</i>	<i>7525 LQ</i>	<i>Level measurement</i>	<i>Working or not working</i>

*Use additional papers if necessary*

**Attach the copies of certificates issued by the manufacturer for each of the device and source including leak test certificates of the sources.**

### 2-1 (b) Mobile Gauges - Details of sealed sources and radiation devices involved in the work :

Name, Make & Model of the device	Serial No	Radio nuclide	Activity with date	Source Serial No	Purpose of use	Status of source & device
<i>Ex: CPN 503DR</i>	<i>H 359621</i>	<i>Am / Be</i>	<i>50 Ci on 10.02.. 90</i>	<i>653526</i>	<i>Soil moisture measurements</i>	<i>Working or not working</i>

*Use additional papers if necessary*

**Attach the copies of certificates issued by the manufacturer for each of the device and source including leak test certificates of the sources.**

**(c) Details of Radiation sources stored in connection with use of gauges**

<b>Radio Nuclide</b>	<b>Activity with date</b>	<b>S / No.</b>	<b>Status of the source (Active in storage/decayed sources)</b>
<i>Ex. <sup>137</sup> Cs</i>	<i>25 mCi on 17.10.1987</i>	<i>52468</i>	<i>Active in storage</i>

*Use additional papers if necessary*

**Attach the copies of certificates issued by the manufacturer for each of the device and source including leak test certificates of the sources.**

**Part 3- FACILITIES**

**3-1 Facility specifications:**

- a) Attach the site map indicating access route to the facilities mentioned under I-2 (a) and (b).
- b) Attach detailed plan of the facility indicating ,
  - i **Source storage**, including adjacent rooms, security precautions etc.
  - ii **For fixed gauging facilities**, include adjacent rooms, building materials, wall thickness, interlock systems and warning devices, penetrations or openings in the shielding material etc.
  - iii. **Open sites** include immediate surroundings.

**3-2. Equipment specifications:**

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

<b>Type of Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Date of last calibration</b>	<b>Status of the equipment</b>

*Use additional papers if necessary.*

- b) Description of personnel protective equipment/emergency equipment available (lead bricks, lead pots, remote handling tools, cordoning off ropes, radiation warning labels, transport containers etc)

Equipment / Tool	Type / Model	No. of units available	Purpose of use

*Use additional papers if necessary.*

## Part 4 - RADIATION PROTECTION AND SAFETY PROGRAMME

### 4-1 Details of Radiation Protection Officer –Level 3

Name : .....

Qualifications: .....

.....

Experience:.....

.....

.....

Radiation Protection training attended (title of the training, organizer, year, training code, etc.)

.....

.....

.....

Tel : .....

Fax:.....

E-mail.....

## 4-2. Monitoring Programme

### a) Workplace monitoring

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

.....

.....

.....

.....

.....

### b) Individual monitoring

Describe the personal monitoring services provided for radiation workers

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

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

## 4-3 Local Rules and Supervision

- Describe your local rules and procedures regarding investigation or authorized levels for individual monitoring, area monitoring, leak testing, employing female workers of pregnancy, classification of areas.
- Describe your personnel training programme to ensure all relevant personnel are adequately trained in radiation safety.
- Describe your programme of health surveillance (occupational health and initial & continuing fitness of workers for their intended tasks.)

#### **4-4 Quality Assurance**

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

#### **4-5 Transportation of Radioactive Material**

If you will be transporting or shipping new or used sources describe your arrangements for preparation and transport of packages containing radioactive sources

#### **4-6 Emergency Procedures**

Describe your emergency preparedness programme to address potential emergencies such as loss of radioactive sources, potential damage to the sources, loss of source shielding, stuck sources or substantial accidental exposure of an individual etc.

#### **4-7 Transfer or Disposal of Radioactive Sources**

Describe arrangements for storage & disposal of spent radioactive sources.

### **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 representative of  
applicant and official seal



### Instructions for filling Application

1. For all categories of applications (new and renewal), Part I to 4 should be filled.
2. If new sources are added or activities increased, during the validity period of the licence, an amendment to the existing licence is required. (Application form for amendment to Portable/Fixed Gauging should be filled. This form can be obtained from the AEA on request. )
3. For renewal, application should be submitted 2 months prior to expiry of the existing licence.
4. Licence Fee

Fee for both renewal and new facilities

Type of Facility	Fee for One Unit (Including 12%Vat and 3%NBT)
Portable / <i>Fixed Gauges</i>	5532.67
storage of radiation sources	5532.67

5. Please note that the inspection charge will be levied in addition to the licence fee as per rates determined by the authority.
6. Duly filled application forms (new, 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 Atomic Energy Authority **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: Official [mail@aea.ac.lk](mailto:mail@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 Safety Regulations No 1 of 1999.

**2. Responsible representative of the Applicant:**

The applicant shall bear the responsibility for setting up and implementing the technical and organizational measures that are needed for ensuring protection and safety for the sources 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 themselves. In this case, the representative can make commitments on behalf of the legal person on all tasks and actions relating to the application.