Form T	Revision 1

ATOMIC ENERGY AUTHORITY ACT NO. 19 OF 1969

APPLICATION FOR LICENCING OF SELF-SHIELDED GAMMA IRRADIATOR FACILITIES FOR MEDICAL PURPOSES

(This application should be used for Licencing of self-shielded gamma irradiator machines used for medical purposes)

Frequency of Licence : Annually till 31st December of the respective 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 & definitions given in page 8 & page 9 before filling the application form)

Part 1: GENERAL INFORMATION

1.1 Name of the Applicant[1] …….

1.2 (a) Name of the organization:……

(b) Address:

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

1.3 Responsible representative of the applicant [2] :

Name: …….. Telephone : …….……..….

Designation: ……. Facsimile : ……

For office use only :	RAN

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: SOURCES & EQUIPMENT

2.1 Model/Type and identification number of the irradiator
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……
……

2.2 Name and address of the manufacturer of the irradiator
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2.3 Maximum radiation levels on the surface & one meter away of the irradiator, both source "ON" & "OFF" positions.
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……

2.4 Details of radioactive sources

Radio nuclide:……

Model No of the source…….

No. of sources installed ……

Total Activity with date:……

Use additional papers if necessary

Attach the copies of certificates issued by the manufacturer of the source including leak test certificates of the sources.

2.5 Details of other sources involved in the work

Radio nuclide	**Activity with date**	**Source S/No.**	**Purpose of use and status of the source**
Ex. Cs-137	50Ci	65267	Test source / useable

Use additional papers if necessary

2.6 Details of radiation sources stored

Radio nuclide	Activity with date	Source S/No.	Status of the source (Active in storage / decay storage)
Ex. Cs-137	25 mCi on 17.12.1987	52467	Active in storage

Use additional papers if necessary

Part 3: FACILITIES AND EQUIPMENT

3.1 Facility specifications:

a) Attach the site map indicating access route to the facilities mentioned under I-2
b) Attach the detailed plan of the facility indicating ,
   - i Irradiation room, adjacent rooms, safety precautions etc.
   - ii building materials, wall thickness, and warning devices, penetrations or openings in the shielding material etc.
   - iii. immediate surroundings .
   - iv. Maximum radiation level on the surface of the outside wall of the facility and in front of the doors and openings.

3.2 Equipment specifications:

a) 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

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 2

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.

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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 regarding investigation or authorized levels for individual monitoring, area monitoring, leak testing, employing female workers of pregnancy, classifications of areas.

b) Describe your personnel training programme to ensure all appropriate personnel are adequately trained in radiation safety.

c) Describe your programme of health surveillance (occupational health & initial and continuing fitness of workers for their intended tasks.)

4.4 Quality Assurance

Describe your program 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 /radioactive material

4.8 Security of Radioactive Sources

Describe your arrangements made;

a) to prevent unauthorized access or damage to, and loss; theft or unauthorized transfer of, radioactive sources.

b) to mitigate or minimize the radiological consequences of any malicious act involving a 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 responsible representative of the applicant and seal.

Instructions

1. Section 1 to 4 should be filled for all categories of applications (new and renewal.)

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 of Self Shielded Gamma Irradiator facilities 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

4.1 Renewal Fee

Type of the Facility	Fee for one unit (Including 12 % VAT and 3 % NBT)
Self Shielded Gamma Irradiator	7418.80

4.2 Fee for New Facilities

Type of Facility	Licence starting from	Fee for one unit (Including 12 % VAT and 3 % NBT)
Self Shielded Gamma Irradiator	1st Quarter to end of the year	7418.80
	2nd Quarter to end of the year	5564.10
	3rd Quarter to end of the year	3709.40
	4th Quarter to end of the year	1854.70

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 gamma 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 himself. In this case, the representative can make commitments on behalf of the applicant on all tasks and actions relating to the application.