

8.5 Sealed /Unsealed Radio- isotope based Medical applications:

Type of Devices	Radio-isotope	Physical form	Chemical form	Activity procured		Activity in stock		Quantity handled at a time (Ci or GBq)	AERB approval ref. no. for procurement/ import/ handling
				Curie or GBq	On date	Ci or GBq	On date		
i) Sealed sources (²²⁶ Ra, ⁶⁰ Co, ¹⁸² Ta, ⁹⁰ Sr, ¹⁹⁸ Au, ¹³⁷ Cs, ¹⁹² Ir etc.)									
ii) Unsealed Sources in liquid and powder form (^{99m} Tc, ²⁴ Na, ³² P, ⁴² K, ⁵¹ Cr, ⁵⁹ Fe, ⁹⁰ Y, ¹³¹ I, ¹⁹⁸ Au etc.)									

8.6 Neutron Generating Devices:

Type of Device	Maximum Beam Energy	Reactor Power/Beam Current/Isotope	Maximum Energy of Neutrons	Any other relevant information
Reactor				
Neutron Generator				
Accelerator				

Note: please give detail of device/source not covered above on separate sheet in the similar format.

DECLARATION

I HAVE READ THE PM BADGE USER'S INSTRUCTION MANUAL AND THE ATTACHED TERMS AND CONDITIONS AND I UNDERTAKE TO,

1. Comply with all instructions stated in the manual and any other future instructions given by the Competent Authority.
2. Comply with the regulatory requirements for handling of radiation sources (i.e. radioactive material and radiation generating machines) stipulated by the Atomic Energy Regulatory Board (AERB).
3. Investigate the cases of over-exposures or contamination of TLD cards and send the reports promptly whenever called for, to Head, RSD, AERB.
4. Return the TLD/neutron badges promptly after the end of the stipulated monitoring period.
5. Ensure that TLD/neutron badges are stored in normal radiation background.
6. Ensure that Personal monitoring badges shall be used exclusively by the worker who has been issued the badge. It shall not be issued to any other person.
7. Intimate any change in the data regarding radiation sources to the Service Provider.

Date:

Signature of the Head of the Institution with Stamp and Seal

Place:

Name of the Signatory:

Designation:

The duly filled form should be sent to:

RENENTECH LABORATORIES PVT LTD
C-106, Synthofine Industrial Estate,
Off Aarey Road, Goregaon (East),
Mumbai-400063. Maharashtra. India

Telephone. No : **022-40037474**Fax : **022-40037474**Email : **prms@renentech.com**

Approval Granted/ not Granted:

(For office use only)

***General regulatory requirements for handling of radiation sources (radioactive material and radiation generating machines such as x-rays, accelerators):**

- a) Get license for handling of radiation sources from Atomic Energy Regulatory Board. b) Procure and install AERB Type Approved radiation generating machines / devices.
- c) Get the plan of the radiation installation approved from Atomic Energy Regulatory Board (AERB).
- d) Employ qualified staff approved by AERB for operation and handling of radiation generating machines/ devices.
- e) Provide Personnel Monitoring Badges to the radiation workers engaged in handling of radiation sources.
- f) Comply with regulatory requirements for handling of radiation sources stipulated by AERB from time to time.
- g) Use calibrated radiation survey meter.
- h) Inform promptly (within 24 hrs) to Head, RSD, AERB any unusual incident involving radiation source.

Regulatory documents for compliance for ensuring safe handling of radiation sources.

- a) Atomic Energy Act, 1962
- b) Atomic Energy (Radiation Protection) Rules, 2004.
- c) AERB Safety Codes and Standards applicable to different practices using ionizing radiation.

Regulatory documents and the application form for obtaining license for handling radiation sources can be obtained from AERB or from the **Website “<http://www.aerb.gov.in>”**