

DECOMMISSIONING AND DISPOSAL

Introduction

In case GIC is of no use to the institution for its intended purpose and the institution desires its safe disposal, the employer/licensee should initiate suitable procedures for decommissioning of the disused GIC unit and safe disposal of the radioactive sources by returning the GIC to the manufacturer/ supplier.

Procedure for Disposal

Licensee shall obtain prior approval from the Competent Authority for decommissioning, transport and safe disposal of radioactive material by submitting the application in the prescribed format.

Upon obtaining the approval for decommissioning, licensee should approach the manufacturer/supplier for its decommissioning and transportation of disused sources in GIC unit.

The room housing GIC can be released for any other use by the institution only after decommissioning of the GIC installation.

Transport of GIC for Disposal

The packaging and transport of GIC unit should be in compliance with requirements for safe transport of radioactive material as prescribed by the Competent Authority.

The transportation of GIC units from manufacturer/supplier institution to the user institution and vice-versa should be carried out by adhering to the security guidance specified in AERB Safety Guide on 'Security of Radioactive Material during Transport' [AERB/NRF-TS/SG-10, (2008)].

Decommissioning permission shall be obtained through the on-line portal, www.aerb.gov.in/e-LORA

In general, the following minimum documents have to be submitted along with the application form.

Copy of the acceptance from the supplier/authorized agency to carryout decommissioning operation, without this permission will not be granted

Copy of the concurrence letter, from the disposal agency for accepting the disused radioactive source

DOCUMENTS TO BE SUBMITTED FOR OBTAINING AUTHORISATION TO TRANSFER RADIOACTIVE MATERIAL TO THE SUPPLIER/AUTHORISED WASTE MANAGEMENT AGENCY

- (i) Details of source housing/container showing the position of the source with diagram/sketch along with procedure for retrieval of the source.
- (ii) Details of the package in which radioactive material is proposed to be transported along with blue print or sketch showing all the dimensions including shielding details
- (iii) Security plan for the facility as per AERB safety guide on 'Security of Radioactive Material during Transport' (AERB/NRF-TS/SG-10)