

Import/ Procurement of GIC

For procurement of an indigenously manufactured GIC unit, applicant should submit the application in the prescribed format to the Competent Authority for obtaining the consent after ensuring that the manufacturer/supplier of the GIC unit is in possession of valid Type Approval certificate issued by the Competent Authority.

For first time import of any GIC model, the supplier should obtain 'No Objection Certificate (NOC)' from the Competent Authority by submitting the application in prescribed format. Upon import and installation of the equipment in the country, the supplier shall demonstrate Type Approval testing of the equipment to AERB. Based on the satisfactory demonstration of Type Approval testing, Type Approval certificate for such equipment shall be issued by the Competent Authority. Only Type Approved GIC equipment shall be used in the country.

The applicant should comply with the requirements for availability of manpower and safety infrastructure as stated below:

- (a) Radiological safety officer (RSO)
- (b) Personnel monitoring devices (e.g. TLD)
- (c) Radiation monitoring devices (e.g. radiation survey meter)
- (d) Emergency response plans and procedures (EPP)
- (e) Security plan for the facility
- (f) Provision /commitment for safe disposal of spent/disused sources.

The applicant shall not operate the GIC unit without obtaining the Licence for Operation from the Competent Authority.

Intimation of Receipt of the Gamma Irradiation Chamber

The receipt of GIC unit with source should be submitted with full details of radioactive source pencil nos. as soon as the GIC received by the institute.

Procurement 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.

- i) Two copies of duly signed and stamped document on layout plan(scale 1:100) of GIC installation room indicating the following :
- ii) Size of the room
- iii) Thickness of the walls and shielding material details
- iv) Location of entrance door, position of windows (if any) along with height from ground level
- v) Pit size (as applicable)
- vi) Occupancy in the immediate vicinity of the installation room
- vii) Floor loading capacity as prescribed by GIC supplier.
- viii) Copy of certificate of approval of sealed source (including Serial No.), classification and leak test certificates as per applicable national/international

standard

- ix) Copy of the AERB Type Approval certificate for the GIC
- x) Copy of the document of the institution registration with the local/state/central Government authorities.
- xi) Security plan for the facility as per AERB Safety Guide on 'Security of Radioactive Sources in Radiation Facilities' (AERB/RF-RS/ SG-1) and AERB Safety Guide on 'Security of Radioactive Material during Transport' (AERB/NRF-TS/SG-10).
- xii) A copy of the undertaking furnished by the supplier of the source to take back the disused/decayed source
- xiii) Nomination of personnel in the standard format of application form for training in radiation safety aspects of GIC (in case the personnel trained in radiation safety are not available)