

APPENDIX-3D-I & II

(Refer section 3.2.2.5)

FORMAT OF THE FINAL SAFETY ANALYSIS REPORT FOR IARPF (This format can also be used for PARF with beam energy <10 MeV)

[FSAR should be submitted to AERB in this format, duly signed by
Head of the organisation (employer)]

A. ORGANISATION AND ADMINISTRATION :

- (i) Name and Address of Institution :
- (ii) Telephone No. :
- (iii) Fax No. :
- (iv) Purpose of the Plant
(Industrial Application) :
- (v) Design Approval of the Device obtained from AERB
 - Model :
 - Technical Specification : Maximum energy _____
Maximum current _____
 - Particles Accelerated : _____
 - Ref. No. :
 - Date of issue :
 - Valid up to :
- (vi) Site, Layout and Construction Approval of the facility
obtained from AERB
 - Ref. No. :
 - Date of issue :
 - Valid up to :

B. SAFETY PERSONNEL

- (i) Head of Institution :
- (ii) Facility-in-charge :
- (iii) Radiological Safety Officer :
AERB Approval ref. :
Date of issue :
Valid up to :

DETAILS OF DOCUMENTS TO BE SUBMITTED

Required documents
Technical description of accelerator design and working procedure with drawings
Precommissioning test reports with results
Shielding design and of installation survey (along with drawings and layout)
Electrical circuit diagram and other interlocks of the accelerating device (inbuilt safety features)
Electrical circuit diagram and other interlocks of the accelerator vault
Provisions and procedures for particle beam energy and beam current calibration and periodic checks
Quality assurance manual (operation)
Arrangements for personal and environmental monitoring system
Periodic surveys of radioactive contamination if applicable
Radiation safety manual
Availability of local safety committee and their safety evaluation report
Details deviations from approved beam line components, accelerator vessel, layout, etc.
Decommissioning procedures of the accelerator facility (if applicable)

We certify that all the information provided by us is true and correct to the best of our knowledge and belief.

Place:

Signature:

Date:

Name:

Designation:

Documents to be attached : as mentioned above