

**ANNEXURE-5**  
**(Refer sections 3.2.2.2 and 3.2.2.3)**

Form ID. AERB/RSD/IARPF/SLCA

**Government of India**  
**Atomic Energy Regulatory Board**

Niyamak Bhavan  
Anushaktinagar,  
Mumbai-400 094.

**APPLICATION FOR SITING, LAYOUT AND CONSTRUCTION**  
**APPROVAL OF INDUSTRIAL ACCELERATOR**  
**RADIATION PROCESSING FACILITY (IARPF)/PARF<10 MeV**

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- (a) *This application would be considered by the competent authority for issuance of relevant consents, under the Atomic Energy (Radiation Protection) Rules, 2004 [AE(RP)R, 2004].*
  - (b) *The duly filled-in form should be sent to Director/Head, Radiological Safety Division (RSD), AERB, Niyamak Bhavan, Anushaktinagar, Mumbai-400094 with the necessary documents. For DAE Particle Accelerator Facilities < 10MeV, the duly filled-in form should be sent to Director/Head, Industrial Plants Safety Division (IPSD), AERB, Niyamak Bhavan, Anushaktinagar, Mumbai-400094 with the necessary documents.*
  - (c) *Incomplete applications and those without all relevant documents are liable to be rejected*
  - (d) *All the forms pertaining to this facility can be downloaded from the website [www.aerb.gov.in](http://www.aerb.gov.in)*
  - (e) *Attach extra sheets wherever required*
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**PART A**

**GENERAL PARTICULARS**

- A.1 Name and address of the institution:
- Telephone No. (O):  
Fax No.  
E-mail
- A.2 Name and address of the Head of the institution<sup>s</sup>:
- Telephone No. (O): (R)  
Fax No.

- Mobile No.  
E-mail
- A.3 Name and designation of the applicant<sup>#</sup>:  
Telephone No. (O): (R)  
Fax No.  
E-mail
- A.4 Address for correspondence with PIN code:
- A.5 Name of the Facility In-charge:  
Telephone No. (O): (R)  
Fax No.  
Mobile No.  
E-mail
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- \$ *The head of the institution is the person who would have the responsibilities of ‘**employer**’ prescribed in AE(RP)R, 2004.*
- # *Applicant is the person in whose name the authorisation (licence) to handle the source may be issued, under AE(RP)R, 2004, would have the responsibilities of ‘**licensee**’ prescribed in AE(RP)R, 2004 and should be a full time employee of the institution.*
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## PART B

### PARTICULARS OF THE FACILITY

- B.1 Proposed location of the radiation facility
- B.2 Site specific information:
- B.2.1 Seismic zone as per IS-1893 (current version) (Documentary evidence from relevant state/central govt. authority)
- B.2.2 Maximum level of ground water and maximum flood level for past hundred years as per the central /state govt. records along with documentary evidence.
- B.2.3 Distance of site of installation of facility from
- (a) Ammunition storage and explosive dumps
  - (b) Storage of inflammable materials
  - (c) Direction of runway of civilian/military airfield
  - (d) Residential and public place
  - (e) Rivers/dams/lake/water reservoir

- B.2.4 Distance of proposed site from capable fault, if any  
(Documentary evidence from relevant state /central govt. authority)
- B.2.5 Distance and location of the nearest railway station and airport from the site
- B.3 Brief description of the Facility:
- (a) Type of accelerator to be installed:
  - (b) Particles to be accelerated:
  - (c) Purpose of the facility:
  - (d) Purpose of operation (commercial/research):
  - (e) Beam specifications : (current, energy, power)
  - (f) Products(s)/material(s) to be irradiated:
- B.4 Layout and civil engineering drawings attached: Yes/No
- B.5 Product movement system (Specify no. of product boxes and product carriers):
- B.6 Documents to be available with the facility:
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|---------------------------------------------------------------|-------------------------|
| Diagrams for electrical circuit diagrams and other interlocks | Available/Not available |
| Quality assurance manual for construction                     | Available/Not available |
- B.7 Documents to be attached with the Application:
- (i) Installation layout indicating location of the plot with peripheral occupancy
  - (ii) Layout and civil engineering drawings
  - (iii) Map of the site region up to 2 km radius covering details given in Items B.2.3 and B.2.5.
  - (iv) Proof from local state govt. authorities that the land/plot for installation of IARPF is in the name of the applicant and falls in industrial zone.
  - (v) Preliminary safety analysis report (PSAR) (as per **Appendix-3B-I**)
  - (vi) Any other supporting document

### **PART C**

#### **UNDERTAKING**

I/we hereby certify that

- (i) all the statements made above are correct to the best of my knowledge and belief.

- (ii) no activity shall be carried out for purposes other than those specified in this form.
- (iii) siting and construction activities shall be taken up only after receipt of approval from AERB.
- (iv) all provisions of the Atomic Energy (Radiation Protection) Rules, 2004 shall be strictly complied with.
- (v) the facility shall not be transferred/sold/ rented by me/us to any other party without the prior permission of the competent authority.
- (vi) full facilities will be accorded by me/us to any authorised representatives of the competent authority to inspect this installation at any time.
- (vii) radiation surveillance of the installation and health surveillance of all persons engaged in radiation work as required by the competent authority will be duly carried out at my/our expense.
- (viii) all recommendations made from time to time by the competent authority in respect of radiation safety measures will be duly implemented.
- (ix) duly qualified/experienced radiological safety officer(s)/operator(s) will be appointed before the commencement of operation of the facility.
- (x) the procedures approved by AERB regarding decommissioning/dismantling and reuse of the site of the decommissioned facility will be strictly complied with.
- (xi) I/we will keep AERB informed about any changes in the information furnished above.

In case, it is found, at any stage, that the information provided by me/us is false and/ or not authentic, then I/ we hereby undertake to comply with the regulatory action(s) enforced against me/us and our institution, in accordance with the applicable Rules.

Place:

Signature:

Date:

Name of the applicant:

Designation:

Signature:

Name of Head of the institution:

Designation:

(Seal of the Head of the institution)