



EXTRAORDINARY  
PUBLISHED BY AUTHORITY

---

---

ISLAMABAD, FRIDAY, SEPTEMBER 22, 2023

---

---

PART II

Statutory Notifications (S.R.O.)

GOVERNMENT OF PAKISTAN  
PAKISTAN NUCLEAR REGULATORY AUTHORITY

NOTIFICATION

*Islamabad, the 8th March, 2023*

**S. R. O. 1347(I)/2023.**—In exercise of the powers conferred by Section 16(2)(a) read with Section 56 of the Pakistan Nuclear Regulatory Authority Ordinance, 2001, the Pakistan Nuclear Regulatory Authority is pleased to make and promulgate the following regulations:

1. **Short Title, Extent, Applicability and Commencement.**—(1) These regulations may be called the “Regulations for Authorization of Service Providers to Nuclear Installations and Radiation Facilities - (PAK/906)”.

(2) These regulations extend to the whole of Pakistan.

(3) These regulations shall be applicable to service providers of nuclear installations and radiation facilities.

(4) These regulations shall come into force at once. However, for the facilities and activities already licensed or authorized by PNRA, all the requirements of these regulations shall be fulfilled within two (02) years after the promulgation of these regulations.

(2991)

Price: Rs. 10.00

[1400(2023)/Ex. Gaz.]

2. **Definitions.**—In these regulations, unless there is anything repugnant in the subject or context,

- (a) “*applicant*” means a person who has applied to the Authority for an authorization;
- (b) “*Authority*” means the Pakistan Nuclear Regulatory Authority established under Section 3 of the Ordinance;
- (c) “*authorization*” means an authorization granted under Section 20 of the Ordinance;
- (d) “*calibration*” means a measurement of, or adjustment to, an instrument, component or system to ensure that its accuracy or response is acceptable;
- (e) “*inspection*” means an examination, observation, measurement or test undertaken to assess structures, systems, components and materials, as well as operation, processes, procedures and personnel competence;
- (f) “*Non Destructive Examination (NDE)*” means the process that involves inspection, testing or evaluation of materials, components, structures or systems for discontinuities or differences in characteristics without destroying the serviceability of the item or part;
- (g) “*nuclear installation*” means:
  - (i) any nuclear reactor used as a source of power or for any other purpose;
  - (ii) any factory using nuclear fuel for the production of nuclear material, or any factory for the processing of nuclear material including any factory for the reprocessing of irradiated nuclear fuel; and
  - (iii) any facility where nuclear material is stored, other than storage incidental to the carriage of such material:

Provided that several nuclear installations of one operator, which are located at the same site, may be considered as a single nuclear installation;
- (h) “*Ordinance*” means the Pakistan Nuclear Regulatory Authority Ordinance, 2001;
- (i) “*person*” means any individual, corporation, partnership, firm, association, trust, estate, public or private institution, group, Government agency, any state or any political subdivision or any political entity within a state, any foreign Government or nation, or other entity and includes any legal successor, representative, agent or agency of any of the aforesaid;



- (j) “*personal/radiation dosimetry*” means measurement, calculation or assessment of the ionizing radiation dose, absorbed by a person or object;
- (k) “*radiation apparatus*” means an equipment, which during operation can generate ionizing radiation or emit ionizing radiation from radioactive material;
- (l) “*radiation facility*” means any premises where radiation source (radioactive material or radiation generator) is acquired, produced, manufactured, processed, reprocessed, repaired, used, handled, extracted, imported, exported, stored, installed, operated, maintained and converted; and
- (m) “*service provider*” means a person providing services to nuclear installations and radiation facilities under the scope of these regulations.

3. **Scope.**—(1) These regulations shall be applicable to service providers involved in:

- (a) Non Destructive Examination (NDE) of Nuclear Safety Class Structures, Systems and Components;
- (b) repair and replacement, maintenance and testing of radiation apparatus;
- (c) personal and radiation dosimetry; and
- (d) calibration of radiation apparatus and monitors.

4. **Interpretation.**—The decision of Chairman PNRA regarding interpretation of any word or phrase of these regulations shall be final and binding.

5. **General Requirements.**—(1) No person shall provide services, as mentioned in Regulation 3 of these regulations, unless he is a holder of a valid authorization.

(2) The prime responsibility for safety and quality of provided services shall rest with the authorization holder. Accordingly, the authorization holder shall:

- (a) comply with applicable national laws, rules, regulations, authorization conditions and technical codes and standards to ensure the safety and quality, while providing services; and
- (b) be subject to regulatory supervision of the Authority and to reporting requirements as defined in Regulation 16 of these regulations, in case of occurrence of an event.

(3) The authorization holder shall retain his capabilities and competencies for activities for which the authorization is issued for the entire period of authorization validity and shall inform the Authority in case of any change.

6. **Authorization Process.**—(1) Any person intending to provide services to nuclear installations and radiation facilities shall apply in writing to Chairman PNRA for acquiring an authorization.

(2) The application shall accompany three (03) hard copies and one (01) soft copy of the documents and information as required in relevant schedules of these regulations. These documents shall be duly signed by the applicant or a person designated on his behalf.

(3) The application for acquiring the authorization shall also be accompanied by such fee as prescribed in the "Regulations on Licensing Fee by Pakistan Nuclear Regulatory Authority - (PAK/900)".

(4) The Authority may conduct review and assessment of the submitted documents and information and may perform subsequent inspections.

(5) The Authority may require the applicant to practically demonstrate his capabilities for which the authorization is to be sought.

7. **Issuance of Authorization.**—(1) The Authority may issue an authorization upon satisfactory completion of the following:

- (a) Review and assessment of the documents and information;
- (b) Inspections; and
- (c) Demonstration of the capabilities.

(2) The Authority may attach such terms and conditions to the authorization as deemed necessary.

8. **Rejection of Application.**—(1) The Authority has the right to reject any application. In case of rejection of the application, the Authority may refund the fee paid by the applicant, after deducting twenty percent (20%) of the fee as processing charges.

(2) The applicant shall have the right to submit an appeal against the regulatory decision in writing to Chairman PNRA or an officer duly authorized on his behalf.

9. **Withdrawal of Application.**—The applicant may withdraw his application at any time before grant of authorization. Upon withdrawal request, the Authority may refund the authorization fee paid by the applicant after deducting twenty percent (20%) of the fee as withdrawal charges.

10. **Validity of Authorization.**—(1) The authorization shall be valid for a period of up to five (05) years, subject to:



- (a) payment of annual renewal fee as prescribed in the "Regulations on Licensing Fee by Pakistan Nuclear Regulatory Authority - (PAK/900)"; and
- (b) compliance with the terms and conditions of the authorization.

**11. Revalidation of Authorization.**—(1) The authorization holder may apply for revalidation of the authorization, six (06) months before its expiry along with one (01) hard and one (01) soft copy of updated documents and information mentioned in relevant schedules of these regulations.

(2) Upon satisfaction, the authorization may be revalidated for another period up to five (05) years.

**12. Amendment in Authorization.**—(1) The authorization holder shall apply in writing to Chairman PNRA or an officer duly authorized on his behalf for amendment in authorization along with the details of proposed amendment, assessment of its impact on quality or safety, if any, and the applicable amendment fee as per "Regulations on Licensing Fee by Pakistan Nuclear Regulatory Authority - (PAK/900)".

(2) After review of the application and related information and documents, the Authority, upon its satisfaction, may amend the authorization.

**13. Transfer of Authorization.**—(1) The authorization shall only be transferred to a person who is already a holder of a valid license/authorization from the Authority, otherwise, the transferee shall have to seek authorization from the Authority upon fulfillment of all the requirements of these regulations.

(2) The authorization holder shall not transfer his authorization to any other person without obtaining prior approval, in writing, from the Authority.

(3) The authorization holder shall apply in writing at least one (01) month in advance to the Authority, for the transfer of authorization along with the credentials, consent of the proposed transferee and the applicable transfer fee as per "Regulations on Licensing Fee by Pakistan Nuclear Regulatory Authority - (PAK/900)".

(4) After review of the application and related information and documents, the Authority, upon its satisfaction, may transfer the authorization to proposed transferee, on such terms and conditions as may be specified in the Authorization.

**14. Surrender of Authorization.**—If the authorization holder intends to discontinue the authorized activity on permanent basis, he shall inform at least three (03) months in advance to the Chairman PNRA or an officer duly authorized on his behalf.

**15. Inspection.**—(1) The Authority may perform inspections to:

- (a) verify whether the information submitted to the Authority is in conformity with the actual conditions;
- (b) ensure and verify compliance with PNRA regulations, the terms and conditions of the authorization and applicable codes and standards; and
- (c) exercise provisions of Section 29 of the Ordinance.

**16. Report and Notification of an Event.**—(1) The Authorization holder shall notify to the Authority about any of the below mentioned events within twenty four (24) hours of its occurrence:

- (a) The occurrence of an event that has resulted or likely to result in the exposure of a person, organ or tissue to radiation in excess of the radiation dose limits as prescribed in the “Regulations on Radiation Protection - (PAK/904)”; and
- (b) Any natural phenomenon or other external condition that posed a potential or an actual threat to the safety of equipment or person while performing duties.

(2) The Authorization holder shall submit detailed event report to the Authority within sixty (60) days after the occurrence of an event. The report shall contain but not limited to the following contents:

- (a) Date and approximate time of occurrence of the event;
- (b) Description of the event;
- (c) Cause of the event;
- (d) Response actions taken to control and mitigate the consequences of the event; and
- (e) Actions taken or planned to avoid recurrence of the event.

(3) The Authority may require any additional information from the authorization holder relevant to the event.

**17. Enforcement in case of Non-Compliance.**—If a person contravenes any of the provisions of the Ordinance, the regulations made there under, any of the terms and conditions of an authorization, or any of the directives of the Authority, the Authority may take appropriate enforcement actions against such person, as prescribed in the “Pakistan Nuclear Regulatory Authority Enforcement Regulations - (PAK/950)”.



## **SCHEDULE-I**

### **Service Providers for NDE of Nuclear Safety Class Structures, Systems and Components**

(1) The applicant shall furnish the following documents and information along with the application:

- (a) Detailed scope of work for which authorization is required;
- (b) Detailed description of the organization's capability for the scope of work to be performed along with equipment used, calibration certificates, facilities available and relevant past experience;
- (c) Detail of the organization's technical manpower, their qualification and experience;
- (d) Management System or Quality Assurance Program (QAP);
- (e) List of applicable codes and standards to be followed by the organization;
- (f) Training and retraining program of the organization for the personnel engaged in activities under the scope of authorization;
- (g) Detail of relevant accreditation with accreditation body along with copy of certificates;
- (h) Internal and external assessment reports for last two (02) years; and
- (i) Any other information required by the Authority.

## **SCHEDULE II**

### **Service Providers for Repair and Replacement, Maintenance and Testing of Radiation Apparatus**

(1) The applicant shall furnish the following documents and information along with the application:

- (a) Detailed scope of work for which authorization is required;
- (b) Detailed description of the individual's/organization's capability for the scope of work to be performed along with equipment used, calibration certificates (where applicable), facilities available and relevant past experience;
- (c) Detail of the organization's technical manpower, their qualification and experience;

- (d) Management System or Quality Assurance Program (QAP);
- (e) Training and retraining specific to the equipment; and
- (f) Any other information required by the Authority.

### **SCHEDULE III**

#### **Service Providers for Personal/Radiation Dosimetry and Calibration of Radiation Apparatus and Monitors**

(1) The applicant shall furnish the following documents and information along with the application:

- (a) Detailed scope of work for which authorization is required;
- (b) Detailed description of the organization's capability for the scope of work to be performed along with equipment used, calibration certificates (where applicable), facilities available and relevant past experience;
- (c) Detail of the organization's technical manpower, their qualification and experience;
- (d) Management System or Quality Assurance Program (QAP);
- (e) List of applicable codes and standards to be followed by the organization;
- (f) Training and retraining program of the organization for the personnel engaged in activities under the scope of authorization;
- (g) Detail of relevant accreditation with accreditation body along with copy of certificates;
- (h) Internal and external assessment reports for last one (01) year; and
- (i) Any other information required by the Authority.

NAVEED MAQBUL,  
*Member (Corporate).*