

The Gazette of Pakistan



EXTRAORDINARY
PUBLISHED BY AUTHORITY

ISLAMABAD, SATURDAY, DECEMEBR 30, 2023

PART II

Statutory Notifications (S.R.O.)

GOVERNMENT OF PAKISTAN
PAKISTAN NUCLEAR REGULATORY AUTHORITY

NOTIFICATION

Islamabad, the 30th December, 2023

S.R.O. 1922(I)23.—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 promulgate the following regulations:

1. **Short Title, Extent and Commencement.**—(1) These regulations may be called “Regulations on Licensing Fee by Pakistan Nuclear Regulatory Authority - (PAK/900) (Rev.4)”.

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

(3) These regulations shall come into force at once.

(1—11)

Price: Rs. 20.00

2. **Definitions.**—(1) In these regulations, unless there is anything repugnant in the subject or context,

- (a) “*applicant*” means a person as defined in the Ordinance who applies to the Authority for a license or an authorization;
- (b) “*facilities and activities*” means a general term encompassing nuclear facilities, uses of all sources of ionizing radiation, all radioactive waste management activities, transport of radioactive material and any other practice or circumstances in which people may be subject to exposure to radiation from naturally occurring or artificial sources;
 - (i) “*facilities*” include nuclear facilities; irradiation installations; some mining and raw material processing facilities such as uranium mines; radioactive waste management facilities; and any other places where radioactive material is produced, processed, used, handled, stored or disposed of — or where radiation generators are installed — on such a scale that consideration of protection and safety is required.
 - (ii) “*activities*” include the production, use, import and export of radiation sources for industrial, research and medical purposes; the transport of radioactive material; the decommissioning of facilities; radioactive waste management activities such as the discharge of effluents; and some aspects of the remediation of sites affected by residues from past activities.
- (c) “*licensee*” means the holder of valid license issued by the Authority; and
- (d) “*special form radioactive material*” means either an indispersible solid radioactive material or a sealed capsule containing radioactive material.

(2) All other words and expressions used in these Regulations but not defined shall have the same meanings as defined in the Ordinance.

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

4. **General.**—(1) Under the provisions of Section 56(2) of the Ordinance in connection with licensing and regulatory functions, the fee charged by the Authority is commensurate with the nature of the facility or activity applying graded approach and the regulatory efforts involved.

- (2) **Fee and Charges.**— The fee and charges are described below:
- (a) **License and Authorization Fee.**—The applicant or licensee requiring license or authorization for a facility or activity shall submit an application as required by relevant PNRA regulations along with fee prescribed in Schedule I and Schedule II of these regulations.
- (b) **Annual Renewal Fee.**—The licensee shall pay annual renewal fee as prescribed in Schedule I of these regulations.
- (c) **Acquisition License Fee.**—The applicant or licensee requiring acquisition license for radiation sources for a facility or activity shall submit an application as required by relevant PNRA regulations along with acquisition license fee. The acquisition license fee shall be similar to the applicable license and authorization fee category as per Schedule I of these regulations. Similarly, if the acquisition license deems to be renewed as per relevant PNRA regulations then the acquisition license renewal fee shall be equal to the applicable annual renewal fee category as per Schedule I of these regulations.
- (d) **Revalidation Fee.**—Under the provision of other relevant Regulations issued by the Authority, the licensee shall apply for revalidation of certain types of License and Authorizations along with the revalidation fee as prescribed in Schedule I of these regulations.
- (e) **Surcharge on Late Payment of Fee.**— If licensee fails to pay annual renewal fee prior to the expiry date of license, the fee payments shall be made as follows:

i.	Annual Renewal Fee credited to PNRA account within three (03) months after the expiry of license	Annual renewal fee + 10% of the renewal fee as surcharge
ii.	Annual Renewal Fee credited to PNRA account between three (03) to six (06) months after the expiry of license	Annual renewal fee + 15% of the renewal fee as surcharge
iii.	Annual Renewal Fee credited to PNRA account later than six (06) months after the expiry of license	Annual renewal fee + 25% of the renewal fee as surcharge

- (f) **License or Authorization's Transfer and Amendment Fee.**—A licensee requiring transfer, amendment or changes in the license or authorization shall deposit a fee prescribed in Schedule III of these regulations.
- (g) **Service Charges.**—Under the provision of Section 56(2)(b) of the Ordinance, the Authority may provide services if requested by the applicant or licensee. The types of services and their corresponding fee are addressed in Schedule IV of these regulations. In case of any service not enlisted in Schedule IV of these regulations, the applicant or licensee shall pay all cost as mutually agreed by the applicant or licensee with the Authority.
- (h) **Expert Consultation Expenses.**—In performing its licensing and regulatory functions by the Authority where consultation of an external expert is necessary, the applicant or licensee shall pay all cost as mutually agreed by the applicant or licensee with the Authority.

(3) **Payment of Fee.**—Each application for which fee and charges are prescribed shall be accompanied by a remittance for the full amount of fee or as agreed with the Authority in favor of "Director (Finance), PNRA, Islamabad".

(4) **Non-Payment of Fee.**—The cases of non-payment of fee shall be dealt as per Section 44 of the Ordinance and PNRA Enforcement Regulations - (PAK/950).

(5) **Increase in Fee.**—An annual increase of 10% shall be applicable in the annual renewal fee for nuclear power plant operating license fee as tabulated at Sr No. A(1)(b) of Schedule I of these regulations.

5. **Repeal.**—The "Regulations on Licensing Fee by Pakistan Nuclear Regulatory Authority - (PAK/900) (Rev.3)" notified vide S.R.O. 544(I)/2020 dated 15th June, 2020 is hereby repealed.

Schedule I

Table 1
License, Authorization and Renewal Fee

Sr. No.	Installation, Facility and Activity	License and Authorization Fee (Rupees)	Annual Renewal Fee (Rupees)
A	Nuclear Installations (per unit)		
(1)	Nuclear Power Plant		
	(a) Construction License	297 million	Not Applicable
	(b) Operating License	352 million	36.3 million
	(c) Decommissioning License	36 million	1.2 million
(2)	Nuclear Research Reactor $\leq 1 \text{ MW}_{th}$ Installed Capacity		
	(a) Construction License	360,000/-	Not Applicable
	(b) Operating License	480,000/-	48,000/-
	(c) Decommissioning License	100,000/-	20,000/-
(3)	Nuclear Research Reactor $> 1 \text{ MW}_{th}$ Installed Capacity		
	(a) Construction License	10.8 million	Not Applicable
	(b) Operating License	12 million	1.2 million
	(c) Decommissioning License	1.2 million	120,000/-
(4)	Mining and Milling Facility		
	(a) Operating License	23 million	2 million
(5)	Conversion Facility		
	(a) Construction License	26 million	Not Applicable
	(b) Operating License	31 million	3.696 million
	(c) Decommissioning License	3.36 million	336,000/-
(6)	Uranium Enrichment or Nuclear Fuel Fabrication Facility		
	(a) Construction License	118.8 million	Not Applicable
	(b) Operating License	158.4 million	15.84 million
	(c) Decommissioning License	14.4 million	1.44 million
(7)	Spent Fuel Storage Facility		
	(a) Construction License	16.5 million	Not Applicable
	(b) Operating License	7.92 million	792,000/-
	(c) Decommissioning License	720,000/-	72,000/-
(8)	Radioactive Waste Predisposal Facility		

Sr. No.	Installation, Facility and Activity	License and Authorization Fee (Rupees)	Annual Renewal Fee (Rupees)
	(a) Construction License	5.28 million	Not Applicable
	(b) Operating License	6.6 million	660,000/-
	(c) Decommissioning License	600,000/-	60,000/-
(9)	Radioactive Waste Disposal Facility		
	(a) Construction License	39.6 million	Not Applicable
	(b) Operating License	52.8 million	5.28 million
(10)	Molybdenum Production Facility		
	(a) Construction License	1.32 million	Not Applicable
	(b) Operating License	1.98 million	198,000/-
	(c) Decommissioning License	1 million	100,000/-
B	Design Organizations		
(1)	Design of Nuclear Safety related Equipment, Components and Structures	2.75 million	275,000/-
C	Manufacturers		
(1)	Equipment and Components		
	(a) Nuclear Safety Class - 1	15 million	1.728 million
	(b) Nuclear Safety Class - 2	10 million	1.152 million
	(c) Nuclear Safety Class - 3	5 million	576,000/-
	(d) Class - 1E	5 million	576,000/-
(2)	Radiation Sources and Generators etc.	1.2 million	144,000/-
(3)	Consumer Products having Radioactive Material as an Integral Part	120,000/-	14,400/-
D	Service Providers		
(1)	Non-Destructive Examination of Nuclear Safety Class Structures, System and Components		
	(a) Pakistani National	6 million	720,000/-
	(b) Foreign National	18 million	4 million
(2)	Repair and Maintenance of Radiation Apparatus other than Importers	14,400/-	7,200/-
(3)	Dosimetry and Calibration	72,000/-	36,000/-
E	Medical Applications		
(1)	Full Fledge Medical Centre including:	1.2 million	600,000/-
	(a) Radiotherapy Centre where		

Sr. No.	Installation, Facility and Activity	License and Authorization Fee (Rupees)	Annual Renewal Fee (Rupees)
	Linear Accelerator, Betatron, Cobalt-60, Cesium-137, etc. are installed; (b) Nuclear Medicine or Nuclear Cardiology Centre where Gamma Camera, Linear Scanner, PET, RIA Equipment, etc. are installed; (c) Radiology Department where Conventional X-ray, Dental X-ray, Fluoroscopy, Mammography, CT-Scan, etc. are installed; (d) Blood Irradiator.		
(2)	Any one of the following: (a) Radiotherapy Centre; (b) Nuclear Medicine or Nuclear Cardiology Centre.	600,000/-	300,000/-
(3)	Radio-Immuno-Assay (RIA)	60,000/-	30,000/-
(4)	Dental X-ray, OPG etc. (per Machine)	4,800/-	2,400/-
(5)	Dental CT (per Machine)	15,000/-	7,500/-
(6)	Medical Diagnostic X-ray, Mammography, Bone Densitometer/ DEXA Scan etc. (per Machine)	9,600/-	4,800/-
(7)	Fluoroscopy (per Machine)		
	(a) Angiography, Fluoroscopy	24,000/-	12,000/-
	(b) C-Arm, Lithotripsy, etc.	9,600/-	4,800/-
(8)	CT Scan (per Scanner)	36,000/-	18,000/-
F	Irradiators (per Premises)		
(1)	Blood Irradiator	48,000/-	24,000/-
(2)	Industrial Irradiator	960,000/-	480,000/-
(3)	(a) Agricultural Irradiator (b) Any other	600,000/-	300,000/-
G	Scanners and Detectors (per Unit)		
(1)	Cargo and Vehicle Scanner (using Radioactive Source)	360,000/-	180,000/-
(2)	Cargo and Vehicle Scanner (using X-ray)	180,000/-	90,000/-

Sr. No.	Installation, Facility and Activity	License and Authorization Fee (Rupees)	Annual Renewal Fee (Rupees)
(3)	Baggage Scanner	48,000/- per Scanner upto a maximum of 480,000/-	24,000/- per Scanner upto a maximum of 240,000/-
(4)	Any other Scanner (e.g., foreign material detection in food or non food items etc.)	90,000/- per Scanner upto a maximum of 900,000/-	45,000/- per Scanner upto a maximum of 450,000/-
(5)	Non-Medical Imaging of Human	24,000/-	12,000/-
(6)	(a) Explosive Detection using Radioactive Source and X-ray (b) Any other detector/instrument with built-in radioactive source	12,000/-	6,000/-
H	Industrial Applications		
(1)	Industrial Radiography	600,000/-	300,000/-
(2)	Well Logging		
	(a) Oil Well Logging	720,000/-	360,000/-
	(b) Any other well Logging	300,000/-	150,000/-
(3)	Nuclear Gauges and X-ray Gauges	72,000/- per Gauge	36,000/- per Gauge
(4)	X-ray Diffraction (XRD), X-ray Fluorescence (XRF), Gas Chromatography	240,000/-	120,000/-
I	Importers, Exporters and Traders of Radioactive Sources or Material and Radiation Generators etc.	360,000/-	180,000/-
J	Teaching and Research Institutes using Radioactive Sources and Radiation Generators including Cyclotron, XRD, XRF, Gas Chromatography etc.	12,000/-	6,000/-

Table 2
Fee for Design Certifications

Sr. No	Design Certification	Fee (Rupees)
(1)	Spent Fuel Storage Cask	1.44 million
(2)	Spent Fuel Transport Package Type B(M)	6 million
(3)	Spent Fuel Dual Purpose Cask	9 million
(4)	Type AF Package	720,000/-

(5)	Type B(U) Package	2.16 million
(6)	Type B(M) Package	2.16 million
(7)	Type C Package	2.88 million
(8)	Special form Radioactive Material	1.44 million
(9)	Validation of Foreign Approved Package	1.2 million
(10)	Revalidation of Design Certificate at (Sr. 1 to 8)	50 % of Respective Design Certification Fee

Table 3

Authorizations Fee for Permits, No Objection Certificate (NOC) etc.

Sr. No.	Issuance of Authorization*	Fee (Rupees)
(1)	Issuance of Import Permit	6,000/-
(2)	Issuance of Import or Export NOC	
	(a) Sealed Radioactive Sources (SRS)	12,000/-
	(b) Un-Sealed Radioactive Sources (USRS)	6,000/-
(3)	Issuance of Import or Export NOC for Radiation Generators	6,000/-
(4)	Issuance of Authorization for Local Purchase of SRS or USRS	12,000/-
(5)	Issuance of Multi-Purpose NOC for Import of USRS	24,000/-

*Fee will be charged per Authorization

Schedule II

Authorization Fee for Entry and Transit into Pakistan

Sr. No.	Name of the Activity	Authorization Fee (US Dollar (\$))
(1)	Nuclear Powered Vehicle or Vessel to enter into Pakistan	60,000/-
(2)	Entry of any Vehicle, Vessel or Aircraft carrying Nuclear Material except Fuel for Licensed Nuclear Installation	12,000/-
(3)	Transit and Transport of Radioactive Material through Pakistan	12,000/-
(4)	Transit of Contaminated Items (in extreme cases) through Pakistan	12,000/-

Schedule III

Fee for Transfer, Amendment, Change in License or Authorization

Sr. No.	Condition of Transfer, Amendment, Change in License or Authorization	Fee (Rupees)
(1)	Transfer to Next of Kin	Not Applicable
(2)	Change in Location of the Facility	50% of License and

Sr. No.	Condition of Transfer, Amendment, Change in License or Authorization	Fee (Rupees)
		Authorization Fee
(3)	Transfer and sell out to any other Person on Current Location	20% of License and Authorization Fee
(4)	Change in Scope of License or Authorization	50% of Renewal or Authorization Fee

Schedule IV**Fee for Providing Services****(A) Radiation Analysis Services**

Sr. No.	Type of Analysis for Edible/Non-edible Items	Analysis Fee per sample (Rupees)
(1)	Gross Gamma Analysis	9,000/-
(2)	Gross Alpha Counting	12,000/-
(3)	Gross Beta Counting	12,000/-
(4)	Gamma Spectrometric Analysis	22,500/-
(5)	Tritium (H-3) Measurements	12,000/-
(6)	Strontium (Sr-90) Measurements	22,500/-

(B) Dosimetry Services

Sr. No.	Description of Dosimetry Method	Registration Fee per Person (Rupees)	Annual Measurement Charges (Rupees)
(1)	Film Badge Dosimetry Services	4,000/-	9,600/-
(2)	Whole Body Thermoluminescent Dosimeter (TLD) Services	8,650/-	3,500/-
(3)	Extremity TLD Services (Ring Dosimeter)	4,500/-	3,500/-

(C) Calibration Services

Sr. No.	Name/Type of Equipment	Calibration Charges per Equipment (Rupees)
(1)	Survey Meter	15,000/-

Sr. No.	Name/Type of Equipment	Calibration Charges per Equipment (Rupees)
(2)	Additional Probe	7,500/-
(3)	Active Dosimeter (e.g. Electronic Pocket Dosimeter)	6,000/-
(4)	Passive Dosimeter	3,750/-

(D) Whole Body Counting Charges

Sr. No.	Name/Type of Equipment	Measurement Charges Per Person Per counting (Rupees)
(1)	Whole Body Counting (Fast Scanning)	1,000/-
(2)	Whole Body, Counting (Detailed Organ Wise Scanning)	10,000/-

NAVEED MAQBUL,
Member (Corporate).