

# Training Course on Basic Radiation Protection

## Training Prospectus

### Title:

Training Course on Basic Radiation Protection with hands-on experience on protection components.

### Objective:

Every person working with Ionization Radiation in Medical, Agricultural, Industrial, and Research facilities should have a basic knowledge of Radiation Protection to avoid/minimize unwarranted exposure to ionizing radiation.

The objective of this Training Program is to provide Basic Radiation Protection knowledge with hands-on experience to the persons who are working or expect to work with ionization radiation.

### Target Group:

- Medical & supportive staff working at Ionization Radiation facilities such as Diagnostic (X-Ray, CT, Fluoroscopy, Angiography, Gamma Camera, PET, etc.), Therapeutic (Radiotherapy, Brachytherapy, Linear Accelerator, etc.), Nuclear medicine, or any other facilities that use ionizing radiation.
- Engineers, Technical staff, Radiographs, Operators, and the supporting staff working in industrial Radiography or industrial gauges.
- Engineers, Technicians, Operators, and supporting staff who are working with industrial or research irradiators.
- Security officers, border control and monitoring personnel.
- Trainers and institutional safety officers.
- Anyone interested.

### Course Content:

Lecture Topic		Duration (Hours)
L1	Introduction to Radiation	1.5
L2	Radiation Measurements	1.5
L3	Health Effects of Radiation	1.0
L4	Radiation Protection	2.0
L5	Selecting & Handling Radiation Protection Instruments	1.5

Practical Topic		Duration (Hours)
P1	Measuring Instruments	1.5
P2	Radiation Protection	1.5
P3	Personal Monitoring	1.5
P4	Secondary Standard Dosimetry calibration	1.5
P5	Workplace Monitoring	1.5

**Course duration/dates:** Three days, 08<sup>th</sup> - 10<sup>th</sup> December 2020.

<b>Time</b>	<b>8<sup>th</sup> Dec (Tuesday)</b>	<b>9<sup>th</sup> Dec (Wednesday)</b>	<b>10<sup>th</sup> Dec (Thursday)</b>
8:45 – 9:00	Inauguration	-	-
9:00 - 10:30	L1 - Introduction to Radiation	L3 - Health Effects of Radiation	L5 - Selecting & Handling Radiation Protection Instruments
10:30 - 10:45	Morning Tea		
10:45 – 12:15	L2 - Radiation Measurements	L4 - Radiation Protection	Evaluation test
12:15 – 13:00	Lunch		
13:00 – 14:30	P1 - Measuring Instruments	P3 - Personal Monitoring	P5 - Workplace Monitoring
14:30 -14:45	Evening Tea		
14:45- 16:15	P2 - Radiation Protection	P4 - Secondary Standard Dosimetry calibration	Closing Ceremony

**Course Fee:**

Rs: 8,000/= per participant. The course fee should be paid at the time of registration for the course by Cheque drawn in favour of the Sri Lanka Atomic Energy Board , by Bank deposit (Bank: People’s Bank- Dematogoda, Account No. 071-1-001-1-3320739) or by Cash.

Lunch and refreshments will be provided.

**Medium of Instruction:** Sinhala (If you prefer English, please mention it on the upper-right corner of your application)

**Venue:**

Sri Lanka Atomic Energy Board, 60/460, Baseline Road, Orugodawatta, Wellampitiya.

**Application procedure:**

Interested individuals in the target groups can be applied for the course using the specimen of the application form. The duly filled application form should be sent to,

Director-General,  
Sri Lanka Atomic Energy Board,  
60/460, Baseline Road,  
Orugodawatta,  
Wellampitiya.

through official channels confirming the payment of the course fee on or before the deadline for submission of application.

**\*Note:**

***If the payment is personally paid, the applicant shall deposit a non-refundable minimum of Rs. 2000.00 to the Bank Account mentioned in the prospectus and attach a clear copy of the payment slip with duly filled application.***

***If the payment is paid by the employer/institute, an official letter shall accompany the application confirming the consent of the employer on payment.***

***All the payments shall be paid on or before the 08<sup>th</sup> December, 2020.***

**Deadline for the Submission of Applications:** 05<sup>th</sup> of November 2020.

**Inquiries:**

Personal Monitoring Services Laboratory.

Sri Lanka Atomic Energy Board.

**Telephone:** 011-2533427, 011-2533428 (Extension: 260, 261,124.251)  
077-0626337(Nirasha), 071-8913727(Nirodha)

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