Training Course on Basic Radiation Protection

Training Prospectus

Title:

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

Introduction:

Every person working with Ionization Radiation in Medical, Agricultural, Industrial, and Research facilities should have a basic knowledge of Radiation Protection to ensure the workers' protection as indicated in national regulations and international radiation safety standards. This is also mandetary to avoid/minimize unwarranted exposure to ionizing radiation.

The training course is designed according to the national regulations and relevant international standards. The course content is updated to follow the latest international basic safety standards such as International Atomic Energy Agency's "General Safety Requirements (GSR Part 3)", "General Safety Guidelines (GSG 7)".

The course is also in compliance with the requirements indicated by "The National Guideline on Radiation Safety for Health Sector" issued by the National Cancer Control Program in 2021.

Objective:

The program is formulated for the persons who are working or expect to work with ionization radiation to,

- Provide Basic Radiation Protection knowledge with hands-on experience.
- Provide a guidance to implement radiation protection measures at workplaces, according to the national regulatrory requirements and international guidelines.
- Provide knowledge and experience on the appropriate use of radiation protection equipment (TLD, Electronic Dosimeters, Survey Meters).
- Provide hands-on experience on Quality Assurance (QA) and Quality Control (QC) of radiation protection equipment and tools (Calibration, Performance Testing).
- Provide awareness and guidance to implement a workplace monitoring program.

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	0.45
L2	Radiation Measurements	0.45
L3	Health Effects of Radiation	0.45
L4	Principles of Radiation Protection	0.45
L5	National Regulations and International Safety Standards	0.45
L6	Selecting & Handling Radiation Protection Instruments	0.45
L7	Personal Monitoring for Radiation Protection	0.45
L8	Workplace Monitoring	0.45

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, 14th - 16th March 2023.

<table>
<tr><th>Time</th><th>14th March (Tuesday)</th><th>15th March (Wednesday)</th><th>16th March (Thursday)</th></tr>
<tr><td>8:45 - 9:00</td><td>Inauguration</td><td>-</td><td>-</td></tr>
<tr><td>9:00 - 9:45</td><td>L1 - Introduction to Radiation</td><td>L5 - National Regulations and International Safety Standards</td><td rowspan="2">P5 - Workplace Monitoring</td></tr>
<tr><td>9:45 - 10:30</td><td>L2 - Radiation Measurements</td><td>L6 - Selecting & Handling Radiation Protection Instruments</td></tr>
<tr><td>10:30 - 10:45</td><td colspan="3">Morning Tea</td></tr>
<tr><td>10:45 - 11:30</td><td>L3 - Health Effects of Radiation</td><td>L7 - Personal Monitoring for Radiation Protection</td><td rowspan="2">Evaluation test</td></tr>
<tr><td>11:30 - 12:15</td><td>L4 - Radiation Protection</td><td>L8 - Workplace Monitoring</td></tr>
<tr><td>12:15 - 13:00</td><td colspan="3">Lunch</td></tr>
<tr><td>13:00 - 13:45</td><td rowspan="2">P1 - Measuring Instruments</td><td rowspan="2">P3 - Personal Monitoring</td><td rowspan="2">Discussion</td></tr>
<tr><td>13:45 - 14:30</td></tr>
<tr><td>14:30 - 14:45</td><td colspan="3">Evening Tea</td></tr>
<tr><td>14:45 - 15.30</td><td rowspan="2">P2 - Radiation Protection</td><td rowspan="2">P4 - Secondary Standard Dosimetry calibration</td><td rowspan="2">Closing Ceremony</td></tr>
<tr><td>15:30 - 16.15</td></tr>
</table>

Course Fee:

Rs: 10,000/= 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 information sheet given in google forum)

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.

If interested, fill out the following form.

https://forms.gle/CUWCR67aBgNvPP2DA

Kindly note that your information is kept confidential and only used for administrative requirements of the course.

Note:
If the payment is personally paid, the applicant shall deposit a non-refundable minimum of Rs. 3000.00 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 10th March, 2023.

Deadline for the Submission of Applications: 25th of February 2023.

Inquiries:

Radiation Protection & Technical Services Division,
Sri Lanka Atomic Energy Board,
No. 60/460, Baseline Road, Orugodawatta, Wellampitiya.

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077-0626337 (Nirasha), 071-8913727 (Nirodha)
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