

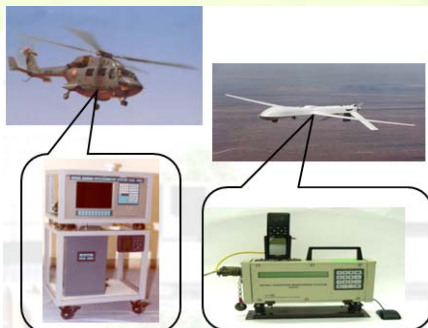
SRSS: AN OVERVIEW

The School of Radiological Safety Studies (SRSS) is aimed at carrying out studies on radiological safety, dosimetry techniques, impact of nuclear and radiological emergencies, prevention, preparedness and response to nuclear and radiological emergencies, environmental radiation protection etc for enhancement of nuclear safety & security and radiation detection systems.

The following state of art departments would be setup to realize the goals of SRSS:

Department of Radiation Detection Systems: To focus on indigenization of systems for detection of smuggling/inadvertent movement of radioactive sources/ nuclear materials; scrap/ cargo/ vehicle monitoring.

Department of Impact Assessment Systems: To focus on studies related to atmospheric dispersion, assessment & prediction of the impact of releases from nuclear facilities during normal and accidental conditions.



Department of Radioactivity Measurement Laboratories: To focus on setting up of laboratories/ installed monitoring systems for

measurement of radioactivity & radiation levels in environment.

Department of Dosimetric Techniques and Systems: To focus on Biological, Retrospective External and Internal Dosimetry.

Department of Medical Management: To focus on medical management during nuclear and radiological emergencies.

Department of Human Resource and Development: To focus on training related to basics of radiation safety & safe handling of radioisotopes; safety in the application of radioisotopes in research, medicine, industry & agriculture.

Ideal Emergency Response Centre: It would be equipped with state of the art monitoring systems, prediction software.

GIS Laboratory: It would facilitate information on facilities available with each Emergency Response Centre, using digital maps with updated radiological status.

Department of Radiation Protection for Accelerators: It would focus on radiation

SRSS is committed to facilitate studies on various facets of radiation detection systems, radiological impact assessment, dosimetry techniques, medical management during nuclear / radiological emergency. Training is being imparted to various security agencies and defense personnel.

Dr. PRADEEPKUMAR KS
HEAD SRSS, GCNEP

protection studies related to accelerator systems.

Department of Risk Studies: It would facilitate studies related to safety hazard assessment, security threat potential assessment, and proliferation potential assessment.

Radiation Standards and Calibration Facility: It would cater for calibration of radiation monitors / systems.

Decontamination Facility: It would cater for demonstrating personnel decontamination procedures.

Interactive Distance Teaching: It would provide interactive distance learning through on-line classrooms in the key areas of radiation protection.

PROGRAMS CONDUCTED

1. Training Program on Detection and Response to Radiological Emergencies / Threats (For Haryana Police). 21-24 April 2014, Bahadurgarh, Haryana.



2. Training Program on Detection, Prevention and Response to Radiological Threats (For Madhya Pradesh Police). 08-11 July 2014, Bhopal, Madhya Pradesh.

PHYSICAL PROGRESS

100% column raising, 50% slab concreting for the second roof level achieved for Block-A of Guest House, Column raising in progress for first roof level of SNSS building

Column raising for second/ terrace roof level of Block-A of Guest House has been completed, at the residential site.



A view atop the terrace slab of Guest House

At Institutional Site, for SNSS building, nearly 80% of pile cap & tie beam works have been completed.



Column raising in progress for SNSS building

The slab concreting for this roof level has also been initiated, and approximately 50% slab casting has been done. The ground floor soling works for the Guest House Block are also in progress.

Approximately 40% of the column works from ground floor to first floor level of SNSS building have done.

GCNEP PROGRAMS - JULY 2015

Indo-US Technical Exchange on Simulation Technologies in the areas of Physical Protection, Protective Force and Material Control & Accounting, 13th – 17th July 2015 (Albuquerque, New Mexico, USA)

A four member Indian delegation, headed by Dr. Pradeep Kumar K. S. (Head SRSS GCNEP and AD, HS&EG, BARC) visited Sandia National Laboratories, Albuquerque, New Mexico, USA to attend Indo-US Technical Exchange on Simulation Technologies. During this period, experts from India Department of Atomic Energy (DAE) and U.S. National Nuclear Security Administration (NNSA) exchanged their views on Modelling and Simulation Tools & Methodologies.

Both sides expressed a willingness to carry forward the cooperation on the subject matter,

and participate in realizing the Modelling & Simulation facilities proposed at GCNEP Campus.



Delegates at Simulation Technologies Exchange Workshop

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