Workshop on "Detection, Prevention & Response to Radiological Threats"

Conducted by School of Radiological Safety Studies (SRSS), GCNEP

Course Director: ***Dr. Pradeepkumar K.S., Head SRSS-GCNEP & Radiation Safety Systems Division, BARC, Mumbai-85***
Faculty : Radiation Safety Systems Division, BARC, Mumbai-85

Day/Date	09:30-10:15		10:45-13:00	12:00-13:00		14:00-15:00	15:00-16:00		16:15-17:15
08.07.14	**Inauguration**	T E A	**Special Talk:** 'Prevention and Response to Radiological Threats' Dr.Pradeepkumar KS		L U N C H	Radioactivity, Ionizing Radiation, Radiation Units and Dose Limits, Exposure Pathways Dr. S. Murali	Radiation Detection Instruments Shri. Ashok Kumar	T E A	**Hands-on Equipment Training** S/ Shri. Shashank, Ashok kumar, Murali, Sankala, Meena, Narsaiah, Vikas
09.07.14	Radiation Hazard Control and Personal Protective Equipment Shri. Rajesh Sankhla		RDD/IND/RED*: Possible Sources and Radiological Impact Dr. S Murali	Detection, Interdiction And Response To Nuclear Security Threats Shri. Ashok kumar		Guidelines for preparation of Standard Operating Procedures for Detection, Interception&Response Dr. S Murali	Threat of a Radiological Terrorism Response to Radiological emergency (Movie) Shri. Shashank Saindane		Threat Scenarios and Search Procedures; Prevent, Detect & Interdict Nuclear Security Threats at MPEs Shri. Shashank Saindane
10.07.14	**Action during a Radiological Emergency:** Exercise Shashank / Sankhla / Narsaiah / Vikas/Meena / Ashok kumar			Safety and Security of sources: Nuclear Security Events: *Case study:* (Mayapuri) Shri. Shashank Saindane		Role of First Responders Shri. Rajesh Sankhla	Radioactive Material Breakthrough in a Venue Checkpoint Shashank / Sankhla / Vikas / Meena		Suspicious Malicious Act in a Public Area Shri. Shashank, Ashok kumar, Sankhla, Meena, Narsaiah, Vikas
11.07.14	*Radiological Incident Case study(Goiania)* *Shri. Shashank Saindane*		*Response to Nuclear/Radiological Emergencies* *Role of Various Agencies* *Shri Rajvir Singh*	*Table top exercise* Shri. Shashank, Ashok kumar, Sankhla, Meena, Narsaiah, Vikas		*Table top exercise* Shri. Shashank, Ashok kumar, Sankhla, Meena, Narsaiah, Vikas	***Examination*** Meena, Narsaiah, Vikas, Vajpayee		*Feedback And Valedictory Session*

****RED- Radiological Exposure Device, IND – Improvised Nuclear Device, RDD – Radiological Dispersal Device(Dirty Bomb), MPE- Major Public Event***