



**Regional Training Course on the Physical Protection
of Nuclear Material and Facilities
Mumbai, India, 16-27 April 2007
PROVISIONAL SESSION DETAILS**

Sunday, 15 April

19:00 Registration and Welcoming Reception

Monday, 16 April.

09:30- 10:30. Inaugural Session

10:30- 11:00 -----TEA-----

11:00- 12:15 Introduction of Participants and Instructors

12:15- 13:00 L1- IAEA Guidelines on Implementation of International PP Regime (IAEA)

13:00- 14:00 -----LUNCH-----

14:00- 14:45. L2- Nuclear Fuel Cycle Activities (India)

4:45- 15:30 L3- Radiation Fundamentals (India)

15:30- 16:00 -----TEA-----

16:00- 16:45 L4-IAEA Assistance to Member States in Nuclear Security Area (IAEA)

16:45- 17:30 Summary and Discussion

Tuesday, 17 April.

9:30-10:15. L5-Design and Evaluation of PP System: the Process Outline (Sandia, USA)

10:15- 11:00 L6 -Development and Evaluation of PP of Nuclear Installations (Eleron, Russia)

11:00- 11:30 -----TEA-----

11:30- 12:15. L7.1-DBT- Design Basis Threat (Sandia))

12:15- 13:00 L7.2-Design Basis Threat (Eleron, Russia)

13:00- 14:00 -----LUNCH-----

14:00- 14:45 WG1. Working Groups on DBT
14:45- 15:30 L8-Facility Characterization (India)

15:30- 16:00 -----TEA-----

16:00- 16:30 L9-Introduction to Hypothetical Facility (India)

16:30- 17:15 L10-Target Identification (Sandia)

17:15-17:30 Summary and discussion

Wednesday, 18 April.

9:30- 10:15. L11.1-Intrusion Detection/ Exterior Sensors (India)

10:15- 10:45. L11.2- Intrusion Detection/ Interior Sensors (India)

10:45- 11:00 Discussion

11:00- 11:30 -----TEA-----

11:30- 12:15. L12-CCTV Surveillance (India)

12:15- 12:45 L13-Alarm Assessment (India)

12:45 - 13:00 Discussion

13:00- 14:00 -----LUNCH-----.

14:00- 15:30. WG2. Working Groups on Target Identification

15:30- 16:00 -----TEA-----

16:00- 17:30 WG3. Working Groups on Intrusion Detection and Alarm Assessment

Thursday, 19 April.

9:30 - 10:15. L14-Access Control Systems (India)

10:15-11:00 L15-Contraband Detection (India)

11:00- 11:30 -----TEA-----

11:30- 13:00 WG4 on ACS & Contraband

13:00- 14:00 -----LUNCH-----.

After 14:30. Departure for Field Visit

Friday, 20 April.

Field Visit to Nuclear Power Plant (India)

Saturday, 21 April.

Return from Field Visit

Sunday, 22 April.

Local Sight Seeing

Monday, 23 April.

9:30- 10:15. L16-Access Delay Elements (India)

10:15- 11:00 L17-Regulatory Infrastructure for Physical Protection (Finland)

11:00- 11:30 -----TEA-----

11:30-13:00 WG5. Working Groups on Access Delay

13:00- 14:00 -----LUNCH-----.

14:00- 14:45 L18-Synergy between Safety and Security (India)

14:45-15:30 L19-Synergy between Material Accounting/ Control and PPS (India)

15:30- 16:00 -----TEA-----

16:00- 16:45 L20-Response (Sandia)

16:00- 17:30 WG6. Working Groups on Response

Tuesday, 24 April.

9:30- 10:15. L21-Introduction to PPS Evaluation (Sandia)

10:15- 11:00 L22-Adversary Sequence Diagram (Sandia)

11:00- 11:30 -----TEA-----

11:30- 12:15 L23-Path Analysis (Sandia)

12:15- 13:00 L24-Scenario Analysis (Sandia)

13:00- 14:00 -----LUNCH-----.

14:00- 14:45 L25-Insider Analysis (Sandia)

14:45- 15:30 L26-Neutralization Analysis (Sandia)

15:30- 16:00 -----TEA-----

16:00- 16:45 WG7. Working Groups on Path Analysis

16:45- 17:30 WG8. Working Groups on Insider Analysis

Wednesday, 25 April.

9:30- 10:15. L27.1-State System of PP in India (India)

10:15- 11:00 L27.2-Example State System of PP (Finland)

11:00- 11:30 -----TEA-----
11:30-12:15 L28-Security Culture (India)
12:15- 13:00 WG9. Working Groups on Neutralization Analysis
13:00- 14:00 -----LUNCH-----
14:00- 17:30 WG10. Final Exercise

Thursday, 26 April.

9:30- 10:15. L29-Radioactive Sources and their Application (India)
10:15- 11:00 L30-IAEA Guidance on Security of Radioactive Sources (IAEA)
11:00- 11:30 -----TEA-----
11:30- 12:15 L31-Security and Control of Radioactive Sources (India)
12:15- 13:00. L32-Prevention of Illicit Trafficking of Radioactive Sources (IAEA)
13:00- 14:00 -----LUNCH-----
14:00-14:45. L33-Regulatory Infrastructure for Security of Radioactive Sources (India)
14:45- 15:30 L34-Experience of other States. Discussion on Security of Radioactive Sources
15:30- 16:00 -----TEA-----
16:00- 16:45 L35-IAEA Nuclear Security Plan for 2006-2009 (IAEA)
16:45 -17:30 Summary and discussion – Presentation preparation

Friday, 27 April.

9:30- 11:00 Presentation and Discussion of Final Exercise
11:00- 11:30 -----TEA-----
11:30 - 13:00 Round Table on PPS (India, IAEA, Sandia)
13:00. 14:00 -----LUNCH-----
14:00- 15:30. Concluding Session
15:30- 16:00 -----TEA-----