## <u>Training Program on Nuclear Security</u> <u>at Hyderabad, India, during 2<sup>nd</sup> July - 6<sup>th</sup> July, 2018</u>

(For Armed Force Personnel of Bangladesh)

9:00- 09:30 1:00 1:30 1:30 1:30- 12:15 2:15- 13:00 4:00 - 14:45 4:45	Registration of participants  Welcome, Inauguration and Introduction  Tea/Coffee break  GCNEP- An Overview by Sh Ranajit Ku Radiation Fundamentals  Nuclear Fuel Cycle Activities-Nuclear Power Plant  Lunch break  Process of PPS Design and Evaluation  Facility Characterization& Target Identification  Tea/Coffee break  Legal & Regulatory Framework for PP  Threat definition	Sh S Seth, NCPW,DAE Smt Sheila, NFC  Sh Ansul Kumar, GCNEP Sh A Laddha, BARC  Dr Garima Sharma, NCPW, DAE
1:00 1:30 1:30- 12:15 2:15- 13:00 4:00 - 14:45 4:45	Introduction  Tea/Coffee break  GCNEP- An Overview by Sh Ranajit Ku Radiation Fundamentals  Nuclear Fuel Cycle Activities- Nuclear Power Plant  Lunch break  Process of PPS Design and Evaluation  Facility Characterization& Target Identification  Tea/Coffee break  Legal & Regulatory Framework for PP	Sh S Seth, NCPW,DAE Smt Sheila, NFC  Sh Ansul Kumar, GCNEP Sh A Laddha, BARC  Dr Garima Sharma, NCPW, DAE
1:30 1:30- 12:15 2:15- 13:00 1:00 1:00 1:00 - 14:45 1:4:45	GCNEP- An Overview by Sh Ranajit Ku Radiation Fundamentals  Nuclear Fuel Cycle Activities- Nuclear Power Plant Lunch break Process of PPS Design and Evaluation Facility Characterization& Target Identification Tea/Coffee break Legal & Regulatory Framework for PP	Sh S Seth, NCPW,DAE Smt Sheila, NFC  Sh Ansul Kumar, GCNEP Sh A Laddha, BARC  Dr Garima Sharma, NCPW, DAE
1:30- 12:15 2:15- 13:00 1:00 4:00 - 14:45 4:45	Radiation Fundamentals  Nuclear Fuel Cycle Activities- Nuclear Power Plant Lunch break  Process of PPS Design and Evaluation  Facility Characterization& Target Identification  Tea/Coffee break  Legal & Regulatory Framework for PP	Sh S Seth, NCPW,DAE Smt Sheila, NFC  Sh Ansul Kumar, GCNEP Sh A Laddha, BARC  Dr Garima Sharma, NCPW, DAE
2:15- 13:00 4:00 4:00 - 14:45 4:45 - 5:30 6:00 6:00- 16:30	Nuclear Fuel Cycle Activities- Nuclear Power Plant Lunch break Process of PPS Design and Evaluation Facility Characterization& Target Identification Tea/Coffee break Legal & Regulatory Framework for PP	NCPW,DAE Smt Sheila, NFC Sh Ansul Kumar, GCNEP Sh A Laddha, BARC Dr Garima Sharma, NCPW, DAE
1:00 .4:00 - 14:45 .4:455:30 .6:00 - 16:30	Nuclear Power Plant  Lunch break  Process of PPS Design and  Evaluation  Facility Characterization& Target Identification  Tea/Coffee break  Legal & Regulatory Framework for PP	Smt Sheila, NFC  Sh Ansul Kumar, GCNEP  Sh A Laddha, BARC  Dr Garima Sharma, NCPW, DAE
1:00 .4:00 - 14:45 .4:455:30 .6:00 - 16:30	Nuclear Power Plant  Lunch break  Process of PPS Design and  Evaluation  Facility Characterization& Target Identification  Tea/Coffee break  Legal & Regulatory Framework for PP	Sh Ansul Kumar, GCNEP Sh A Laddha, BARC Dr Garima Sharma, NCPW, DAE
.4:00 - 14:45 .4:45 - .5:30 5:00 .6:00- 16:30	Process of PPS Design and Evaluation Facility Characterization& Target Identification Tea/Coffee break Legal & Regulatory Framework for PP	GCNEP Sh A Laddha, BARC  Dr Garima Sharma, NCPW, DAE
.4:45 – .5:30 5:00 .6:00- 16:30	Evaluation  Facility Characterization& Target Identification  Tea/Coffee break  Legal & Regulatory Framework for PP	GCNEP Sh A Laddha, BARC  Dr Garima Sharma, NCPW, DAE
.5:30 5:00 .6:00- 16:30 .6:30-17:00	Facility Characterization& Target Identification Tea/Coffee break Legal & Regulatory Framework for PP	Sh A Laddha, BARC  Dr Garima Sharma,  NCPW, DAE
.5:30 5:00 .6:00- 16:30 .6:30-17:00	Identification Tea/Coffee break Legal & Regulatory Framework for PP	Dr Garima Sharma, NCPW, DAE
6:00 6:00- 16:30 6:30-17:00	Tea/Coffee break  Legal & Regulatory Framework for PP	NCPW, DAE
.6:30-17:00	Legal & Regulatory Framework for PP	NCPW, DAE
6:30-17:00	PP	NCPW, DAE
	Threat definition	Ch A Laddha DADC
	Timeat action	Sh A Laddha, BARC
.7:00-17:30	IAEA Guidelines on Nuclear Security	Dr Garima Sharma, NCPW,DAE
	End of Day-1	-
9:00- 09:30	Review of Previous day	Ansul Kumar
):30 – 10:15	Intrusion detection	Sh Ansul Kumar, GCNEP
.0:15 - 11:00	Access control	Sh Sheshagiri Rao, ECIL
1:30	Tea/Coffee break	
.1:30 –	Alarm Assessment, Communication	Sh VK Sinha,
.2:15	& Display	GCNEP
2:15-13:00	Delay	Sh VK Sinha, GCNEP
1:00	Lunch break	
4:00 - 17:30	PPS Site Demonstration at ECIL	At ECIL
.7:30	Back to Course venue	
	End of Day-2	
. 1 . 2 . 2	0:15 - 11:00 :30 1:30 - 2:15 2:15-13:00 :00 1:00 - 17:30	2:15 - 11:00 Access control  2:30 Tea/Coffee break  2:30 Alarm Assessment, Communication  3:2:15 & Display  2:15-13:00 Delay  2:00 Lunch break  1:00 - 17:30 PPS Site Demonstration at ECIL  7:30 Back to Course venue

Day-3 04/07/2018  L11 9:15 - 10:00 Response Shri M R Naik, DIG Sector, CISF  L12 10:00 - 10:30 Analysis  L13 10:30 - 11:00 Insider Analysis Shri R Keshwani, BA  11:00-11:30 Tea/Coffee break  SL2 11:30- 12:15 RAM Shail Kumar, GCI Shri R Keshwani, BA  Shri R Keshwani, BA  Transport Security for Nuclear& DAE  SL3 12:15- Response Force Tactics & Table Top Exercise Shri M R Naik, DIG Sector, CISF + Shri	G BARC CNEP ARC CPW,
L12	CPW,
L13	ARC CPW,
11:00  11:00-11:30  Tea/Coffee break  SL2  11:30- Transport Security for Nuclear& Sh SK Agrawal, NC DAE  SL3  12:15- Response Force Tactics & Table  Shri M R Naik, DIG	CPW,
SL2 11:30- Transport Security for Nuclear& Sh SK Agrawal, NC 12:15 RAM DAE  SL3 12:15- Response Force Tactics & Table Shri M R Naik, DIG	G BARC
12:15 RAM DAE  SL3 12:15- Response Force Tactics & Table Shri M R Naik, DIG	G BARC
Kumar	
13:00 - 14:00 Lunch break	
SL4 14:00 – Information & Computer Security Shri Phoolchand, I 14:45	DAE
SL5 14:45-15:30 Nuclear Security Culture Sh VK Sinha, GCNEP	,
15:30- 16:00 Tea/Coffee break	
16:00- City Tour 21:00	
End of Day-3	
Day-4 09:00-09:15 Review of Previous day Sh Ansul Kumar Forenoon	
SL6 09:15-10:00 Integrated PPS for Nuclear Power Sh Anurag Kumar, Plant	, ECIL
10:00-10:45 Closing Ceremony & Certificate distribution	
10:45-11:15 High Tea	
11:30 Checkout from Hotel and Airport Transfer for KKN	IPP Visit
Day-4 &-5 05/07/2018 Afternoon to 06/07/2018 Late Evening	
End of Program	