

Basic Training on CBRN Emergency Management for Seaport Emergency Handlers (SpEH)

Venue: Kandla Seaport

(10-14 June 2019)

Sessions	I	II	T e a B r e a k	III	IV	L U N C H B r e a k	V	VI	T e a B r e a k	VII	VIII	
Day	1015- 1045	1045 – 1130		11:45-1230	1230- 1315		1400-1445	1445-1530		1545-1630	1630- 1700	
1. (10 June)	Inaugural Session (Registration of Participants will start at 09:30 am) IPA/Port	Invited Talk Dir INMAS		CBRN Overview. Case Studies with focus on port vulnerability , DRDO contributions Dir INMAS About the Course Rajeev Goel			Safe handling & transport of chemicals at Seaport Kandla Safety Expert, Regional & State experts (Jamnagar Refinery & GFSU)			Toxic industrial chemicals hazards mitigation strategies at Seaport Summing up Dr Rajeev Goel & Dr Dhruv Nishad		
2. (11 June)	(i) Radiation, types, properties, affects, units, department (ii) Measurements, limits, bio- effects, quantities, hazards, safety NDMA/ BARC	(iii) Monitoring, transport, packaging, contamination , control, decontaminati on rad waste.		(iv) Emergency, framework, roles and responsibilitie s, cordoning criteria, sizes BARC/NDMA.	Safety & Regulatory aspects of radiological emergency management in Seaport AERB		Radiation monitoring of Cargo load at Seaport Rajeev Goel Chemical warfare agents Detection technologies & body effects Dr Dhruv Nishad			Safe handling and transportation of Biological materials associated Hazards mitigation strategies and EM at Seaport Haffkine Institute & Dr Reena Wilfred		
3. (12 June)	Decontamination methodologies of CWAs/BWAs/RAs (Lecture & demo) Dr Dhruv K Nishad & Dr Rajeev Goel, Pradeep Goswami			Demo activities at Seaport cont Dr Dhruv K Nishad & Dr Rajeev Goel Psychosocial issues with CBRN emergencies Dr Reena Wilfred			Institutional framework For Disaster Management Pre-hospital: NDMA Hospital: INMAS	Medical- CBRN Safety framework in ports Doctor, Kandla Port		Medical Management of CBRN Emergency INMAS Dr Aseem Bhatnagar		
4. (13 June)	(i) NDRF Role and response mechanism in CBRN EM (ii) SDRF role & response in CBRN EM (iii) Coordination Conference with stakeholders involved in Seaport Safety NDMA, NDRF, SDRF, INMAS (Pradeep Goswami)			Table Top Exercise : Reviewing of Role of various Stakeholders / SpEH based on worst case scenario NDMA & NDRF & INMAS (Vinod Kaushik, A Bhatnagar)			Display of CBRN equipment and practical NDMA, NDRF & INMAS (Pradeep Goswami, Dhruv Nishad)			Quiz/ Written test & Feedbacks IPA/ NDRF	Debriefing session NDMA, INMAS, NDRF	
5. (14 June)	Mock exercise/ Sensitization NDMA, NDRF, Distt Admn, SDRF, INMAS (Pradeep Goswami/Vinod Kaushik)			Mock exercise/ Sensitization (Cont.) NDMA,NDRF, SDRF			Panel discussion NDMA/INMAS (Jamnagar Airforce stn, Jam Ngr petro refinery, GFSU) Vinod Kaushik	Group Photo, Valedictory and Closing IPA				

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