

## TRAINING ROLLOUT

### Agenda- DFA

### PBSM for Pakistani LEAs – 5 days

### Karachi, Quetta

08:30 - 09:00	Registration of Participants	Brief Descriptor	Trainers
<b>Day 1</b>			
<b>OPENING SESSION</b>			
09:00 10:00	Formal Opening of the session <ul style="list-style-type: none"><li>• Formal Opening</li><li>• Pretest</li></ul>		UNODC, Manzar Zaidi & Shahzada Sultan
10:00 10:35	Introduction to Explosives	This session provides trainees with a basic knowledge of explosives science and introduces them to examples of the practical use of explosives technologies in both military and industrial applications. <a href="#">Annexure 39</a> <a href="#">39- PAKISTAN INTRO TO EXPLOSIVES.ppt</a>	Manzar Zaidi & Shahzada Sultan
10:35 11:00	The History of explosives – Video based exercise	All explosions require three elements: Fuel, oxygen and a means of ignition. Trainees are given an orientation about these elements through a video, and then trainer leads a discussion in class regarding how these three elements are used to cause explosives. This session will give them conceptual grounding into the elements of explosives through video based exercise and discussion.	Manzar Zaidi & Shahzada Sultan
11:00 11:25	<b>TEA BREAK</b>		

11:25 12:00	SWAT- Suicide Bomber – NACTA documentary	The trainees are shown a NACTA documentary made regarding the catastrophic effects of suicide bombings and use of explosive on the lives and livelihoods of the citizens of Pakistan, and ramifications for the society.	Manzar Zaidi & Shahzada Sultan
12:00 13:00	The application of Explosive Substances Acts & Anti-Terrorism Act 1997 to terrorist bombings- The post blast terrorism incident cordon & PBSM zoning	Underutilization of the regulatory legal regime leads to flawed prosecution of explosive cases in Pakistan, while allowing terrorists to escape the full scope of penal provisions. Despite extensive powers granted to LEAs to contain, cordon and demand cooperation from public and other entities, such powers are not utilized to their fullest in blast cases. In this session, trainees are led to comprehend the full extent of powers granted to LEAs as well as being provided knowledge toolkits to operationalize regulatory authority provided by law to fully investigate blast cases.  <b>Annexure 40</b> <a href="#">40- Explosives legal regime.pptx</a>	Manzar Zaidi & Shahzada Sultan
13:00 14:00	<b>LUNCH AND PRAYERS BREAK</b>		
14:00 15:10	PBSM- Search equipment , Work Flow and Responsibilities, phases of PBSM	This session provides trainees with basic knowledge required for the planning and procedural requirements for the investigation of crime scenes involving explosives and related components. This session will elaborate upon the following concepts and trainer will augment this by practical demonstration insofar as possible in a class room learning environment: -  <ul style="list-style-type: none"> <li>● Health &amp; Safety at the Explosive Scene</li> <li>● Explosive Scene Management</li> <li>● Search Team Organisation</li> <li>● Post Blast Scene Search Equipment</li> <li>● Scene Search Planning</li> <li>● Briefing &amp; Debriefing</li> <li>● Threat and Risk Assessments</li> </ul> <b>Annexures 1</b> <a href="#">01.PBSM Pakistan Explosive Scene Managment.pptx</a>	Manzar Zaidi & Shahzada Sultan
15:10 16:00	PBSM Workflow Practical Exercise	A scenario based exercise is given to the Trainees in four groups and they are asked to jot down and present their findings according to job definitions assigned by trainers as first responders, BDUs, civil Defence and PBSM investigators.	Manzar Zaidi & Shahzada Sultan
<b>Day 2</b>			

09:00 09:50	Characteristics and Properties of Explosives	<p>This session will elaborate upon the following concepts and trainer will augment this by practical demonstration insofar as possible in a class room learning environment: -</p> <ul style="list-style-type: none"> <li>• Describe the generic properties of explosive substances</li> <li>• List manufacturing, design, safety criteria and properties of the ideal explosive substance</li> <li>• Describe the process involved in the deflagration of low explosive substances, list the conditions which affect its use and the types of munitions and explosive articles in which these properties are employed.</li> <li>• Explain the meaning of the terms detonation, velocity of detonation, propagation of detonation and the properties required to achieve a successful detonation.</li> <li>• Describe the properties of Primary and Secondary Explosive substances and list the types of munition and explosive articles in which each is used.</li> </ul> <p><a href="#">Annexures 2</a> <a href="#">02-Pakistan - Characteristics &amp; Properties of Explosives.pptx</a></p>	Akhtar Naseer
09:50 10:15	Video based Exercise- 'Why digging up bombs is one of the most difficult jobs'	Trainees are shown a health and safety awareness video about the hazards of EOD and IEDD jobs to sensitize them to the issues regarding these extremely sensitive procedures. Trainer then leads a class discussion about the health and safety issues of EOD and IEDD jobs.	Manzar Zaidi & Shahzada Sultan
10:15 11:00	Explosives ' Show and tell'	Different types of mock explosive devices will be displayed in class on four 'show and tell' display tables, such as black powder, detonators, different types of IEDs, mock suicide jackets and booby traps. Class will be divided into four groups which will circulate between all the tables and witness first-hand the different types of explosive devices (mock devices but made as according to real life scenarios). Each table will have a trainer who will instruct them about the properties of different explosive devices so the trainees will know what they might look like. They will jot down these characteristics , and will be asked to present in groups about different materials in next session.	Manzar Zaidi, Shahzada Sultan, Abdul Wahid, Akhtar Naseer
11:00 11:15	<b>TEA BREAK</b>		
11:15 11:45	'Show and Tell' Debrief	Trainees present upon the characteristics of different explosive materials in four groups .	Manzar Zaidi, Shahzada Sultan,

			Abdul Wahid, Akhtar Naseer
11:45 12:15	Demolition Procedures	This session will elaborate upon the following concepts and trainer will augment this by practical demonstration insofar as possible in a class room learning environment.  <b>Annexures 8</b> <a href="#">08-Pakistan - Demolition Procedures.pptx</a>	Akhtar Naseer
12:15 12: 45	Hazard Divisions Compatibility Groups Hazard Types	Trainer explains the purpose of Hazard Divisions and Compatibility Groups in the storage, transportation and use of explosives and explosive articles.  <b>Annexures 9</b> <a href="#">09-Pakistan Hazard Divisions &amp; Compatibility Groups.pptx</a>	Manzar Zaidi & Shahzada Sultan
12:45 13:00	The explosives in CNG cylinder; real life case study – utility of analytics in explosive cases	An actual case is discussed in which a large quantity of explosive was being transported for carrying out terrorist attacks in Islamabad. The suspects were apprehended and a large cache of weapons and evidence regarding the attacks was recovered- however the case study shows that conventional investigation failed to uncover the networks, and the value of modern investigative tools in such cases is underlined.  <b>Annexure 10</b> <a href="#">10- CNG Case Study.pptx</a>	Manzar Zaidi & Shahzada Sultan
13:00 14:00	<b>LUNCH AND PRAYERS BREAK</b>		
14:00 15:00	Explosive Trains	This session will elaborate upon the following concepts and trainer will augment this by practical demonstration insofar as possible in a class room learning environment: -  <ul style="list-style-type: none"> <li>• Explain the term Explosive train, list its individual components and show how these are arranged within a typical munition or explosive article, setting up a dummy train.</li> <li>• List the products and effects of an explosion and describe the measures used to mitigate these in practice.</li> </ul>	Akhtar Naseer

		<p>Explain how explosive effects can be utilised in munitions and explosive articles and list the types of munition in which these effects are utilised.</p> <p><b>Annexures 11</b>  <a href="#">11-Pakistan Explosive Trains.pptx</a></p>	
15:00 16:00	Visual and video Identifier Exercise	<p>Trainees are undertaken through a visual quiz of munitions, hazard markings, explosive train components, rockets, mines, booby traps and other explosive substances. Following this they are shown videos about these materials and then this is followed by an exercise in which they will be visual place cards in four groups to:-</p> <p>Identify from the visual place cards the types of materials and hazard divisions. Dummy Materials will then be given to them to make dummy explosive trains.</p>	Manzar Zaidi & Shahzada Sultan
<b>Day 3</b>			
09:00 10:00	Introduction to IEDs	<p>This session is orientation level training and is suitable for those with a basic knowledge of explosives and explosives handling. This session provides trainees with a revision of basic explosives theory and explosive effects together with an overview of the explosives available to the terrorist. Generic types of IED are mentioned together with the philosophy which governs the methodologies used in their render safe and subsequent disposal.</p> <p><b>Annexures 13</b>  <a href="#">13-Sources &amp; Types of Explosives.pptx</a></p>	Akhtar Naseer
10:00 10:20	Video Based Exercise- 'Fangs of Terror- Saving Lives by jointly defeating IEDS-' An ISPR Documentary	<p>Trainees watch a short documentary about the issue of IEDs in Pakistan and then trainer leads a class discussion about the phenomenon in Pakistan and what has been done to mitigate the effects of these in Pakistan.</p>	Manzar Zaidi & Shahzada Sultan
10:20 11:00	Group Practical Exercise- The elements of IEDs	<p>Class is divided into seven groups. Each groups are given a (mock, but functioning) IED with a power source, and they are asked to breakout in pairs or threes and describe the elements of each type of IED and how they perceive they work. The following IEDs will be given, one to each group: -</p> <ul style="list-style-type: none"> <li>• Victim operated IED- pressure activated</li> <li>• Victim operated IED- pressure release activated</li> <li>• Victim operated IED- pull activated</li> </ul>	Manzar Zaidi & Shahzada Sultan

		<ul style="list-style-type: none"> <li>• Remote command operated IED</li> <li>• Mechanical Timer operated</li> <li>• Victim operated – Battery cut circuit</li> <li>• Suicide Jacket/Vest</li> </ul>	
11:00 11:15	<b>TEA BREAK</b>		
11:15 12:35	IED Sites	<p>This session introduces trainees to the standard drills and procedures used by the IEDD Team in an operational tasking situation. It covers the actions from arrival on site thorough to the conclusion of the operation and includes threat assessment, techniques in witness interview, planning/execution of the render safe process and end of task requirements. A wide variety of realistic scenarios are demonstrated providing guidelines for all the main categories of IED.</p> <p><b>Annexures 14</b>  <a href="#">14 - IEDD Task Conduct (2).pptx</a></p>	Manzar Zaidi & Shahzada Sultan
12:35 13:00	Video based Exercise- 'INTERPOL Chemical Awareness Video for First Responders'	<p>Trainees first watch a video on chemicals that can be used to produce homemade IEDs, and then trainer leads a discussion how seemingly harmless chemicals like nail varnish can be used to prepare explosives. Trainer then shares a list of common chemicals and how they can be utilized to make explosives, and what precautions first responder to post blast sites need to take to mitigate these effects.</p>	Manzar Zaidi & Shahzada Sultan
13:00 14:00	<b>LUNCH AND PRAYERS BREAK</b>		
14:00 15:00	IEDD	<p>This course is designed to introduce trainees to improvised Explosive Device Disposal (IEDD) and explosives handling. This session provides the introduction to practical training in the render safe of IEDs and aims to demonstrate real time operational scenarios.</p> <p><b>Annexures 15</b>  <a href="#">15- IEDD Task Conduct (3).pptx</a></p>	Akhtar Naseer
15:00 15:30	IEDD- Advances in technology	<p>Trainer leads the session through an introduction to the latest EOD gear and protective equipment through an interactive hands-on session about these technologies. This is important</p>	Manzar Zaidi & Shahzada Sultan

		<p>for anyone interested in EOD to be conversant with these technologies regardless of whether they currently have them or not as these are health and safety issues, and government officers in the BDUs need to be sensitized to the common usage of these equipment. Without this sensitization, IEDD proceeds in an unsafe environment. The technologies introduced will be:</p> <ul style="list-style-type: none"> <li>• State of the Art Jammers and Protective Jamming domes</li> <li>• Water Disruptors</li> <li>• Window Breaker, Bottler &amp; BootBanger against Vehicle IED's</li> <li>• RCVs</li> <li>• Demining Equipment</li> </ul>	
15:30 16:00	Practical- Wearing a Bomb Suit	The class will use an actual bomb suit and go through the modalities of wearing this optimally.	Manzar Zaidi & Shahzada Sultan
<b>Day 4</b>			
09:00 09:45	Introduction to Munition disposal	<p>This session provides trainees with basic knowledge and understanding of the Explosive Ordnance Disposal techniques and procedures for the safe disposal of munitions and mines. It provides training on the procedures and philosophy of disposals of both fired and unfired munitions using both high explosive and low explosive techniques. Particular emphasis is placed on safety both of the operator and the avoidance collateral casualties using protective works and other mitigation measures.</p> <p><b>Annexure 17</b>  <a href="#">17-Pakistan Introduction to EOD.pptx</a></p>	M. Umar
09:45 10:30	Introduction to EOD level 1	<p>This session provides trainees with basic knowledge and understanding of the Explosive Ordnance Disposal techniques and procedures for the safe detection and location of munitions and mines. It covers the use of both electronic and physical detection equipment for the clearance of landmines and more general explosive remnants of war in the post conflict situation.</p> <p><b>Annexures 18</b>  <a href="#">18-Pakistan Booby Traps.pptx</a></p>	Manzar Zaidi & Shahzada Sultan

10:30 11:00	Snap- Quiz EOD Level 1	<p>Trainees will be led through a (tutored) Snap Quiz about concepts of EOD Level 1. The following topics will be covered: -</p> <ul style="list-style-type: none"> <li>• Land Service Ammunition.</li> <li>• Marking ammunition.</li> <li>• Fuzes on LSA</li> <li>• Projectiles</li> <li>• Mortar Bombs, rockets, hand grenades, HE Hand grenades</li> <li>• Landmines, components, trip wires</li> <li>• Ways sub munitions can be delivered.</li> </ul> <p><a href="#">Annexure 41</a> <a href="#">41-EOD Level SNAPQUIZ.pdf</a></p>	Manzar Zaidi & Shahzada Sultan
11:00 11:15	<b>TEA BREAK</b>		
11:15 12:30	Introduction to EOD level 2	<p>This session introduces the practices of moving and transporting munitions and to conduct the simultaneous disposal of multiple items of ordnance using line mains or ring mains.</p> <p><a href="#">Annexures 23</a> <a href="#">23-Explosive Ordnance Recognition Intro.pptx</a></p>	Manzar Zaidi & Shahzada Sultan
12:30 13:00	Lessons from the Kabal Blast- Experiential learning exercise – online video conferencing	<p>On 24<sup>th</sup> April, 2023, the CTD office in Kabal in Swat collapsed to the ground after a massive explosion killed at least 17 people and injured 53 others, mostly policemen. Investigations revealed that the incident was not a terrorist attack but was caused by explosives inside the police station caused by poor ESM of explosives stored inside as case property. A classic case of poor ESM, trainer leads session by getting on a conference call to CTD and other senior police officers conversant with the tragedy, and will lead the class through the issue that might have caused the blast, including the fact that many explosives are routinely stored unsafely in police stations around the country. This sensitization is critical to the personnel involved in BDU duties.</p>	Manzar Zaidi & Shahzada Sultan
13:00 14:00	<b>LUNCH AND PRAYERS BREAK</b>		
14:00 15:00	Introduction to Explosive Storage Management	<p>This session provides trainees with a basic knowledge of explosives science and a foundation in the management of explosives storage. Trainees will be divided into four groups and given roles for the exercise to follow.</p>	Manzar Zaidi & Shahzada Sultan



		<a href="#">Annexures 31</a> <a href="#">31-Pakistan Principles Of Storage.pptx</a>	
15:00 16:00	Class Exercise- 'Operation Render Safe'	A mock scenario based exercise will be conducted in which an explosive storage facility is being stripped of the explosives stored within. One set of explosive is going to be dispatched to a Police station storage area, the other group is being transported for demolition, the third group is being moved to another storage facility, while the fourth group will be transported in vehicles to an open area where they will be lying in wait for decision on their disposal. Class would have been assigned roles, and they will brainstorm and present on various modalities of the above, keeping in mind the preceding lessons. <a href="#">Annexures 42</a>	Manzar Zaidi & Shahzada Sultan
<b>Day 5</b>			
08:30 - 09:00	Travel to FSL Karachi		
09:00 10:00	Practical Exercise / Demonstration : Forensic awareness of PBS	The trainees are given basic and intermediate level knowledge toolkits in the procedures used in the recovery of explosives and related components from scenes of crime and their preservation for use as evidence in subsequent criminal proceedings. <a href="#">Annexures 36</a> <a href="#">36-PBSM Pakistan Forensic Awareness.pptx</a>	Professor Dr.A. Basheer/ Forensic Tech/FSL Karachi
10:00 11:00	Practical Exercise / Demonstration : Explosive residue examination	-do-	Professor Dr.A. Basheer/ Forensic Tech/FSL Karachi
11:00 11:15	<b>TEA BREAK</b>		
11:15 12:30	Explosive residue- practical demonstration- SOPS for dispatch to forensic lab	-do-	Professor Dr.A. Basheer/ Forensic Tech/FSL Karachi

	PBSM- Exercise- Body recovery		
12:30 13:00	PBSM- Exercise- Vehicle recovery	-do-	Professor Dr.A. Basheer/ Forensic Tech/FSL Karachi
13:00 14:00	<b>LUNCH AND PRAYERS BREAK</b>		
14:00 14:00	PSSM management – Recap Exercise		UNODC, Manzar Zaidi, Shahzada Sultan, FSL
15:00 16:00	Post Test Assessment – Closing ceremony		UNODC