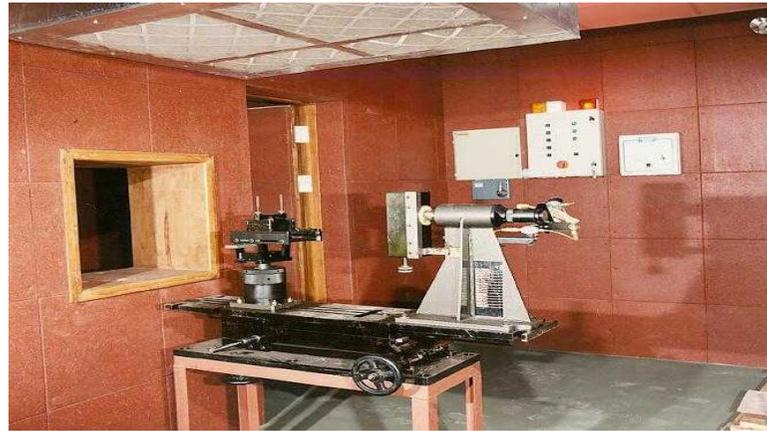


## TEST RANGES

### 1. GENERAL DESCRIPTION.

Test ranges exist in many forms, indoor, tube, external. Some are restricted to bench firing others use both bench and firing point practices. The main difference with test ranges is that generally those that use them are long term employees and not transiting trainees. Emission levels in the test range will require more stringent controls than that required in training ranges where exposure is only intermittent.



### 2. WORKS INSPECTION GUIDE.

Ser	Element	Remarks	Inspectors Comments	x
1.	Firing room	a. Check effective sound absorption measures have been implemented. (Avoiding any dust collecting material)		
		b. Ranges have a variety of warning system in the firing room to warn the firers should a down range doors or access points be opened		

		during firing. Ensure these are effective.		
		c. To minimise noise the firer is separated from the muzzle blast by an acoustic partition. Toughened glass windows are provided to view the target. Check that the noise reduction is effective and meets current legislation.		
		d. Check bench fixing to floor to ensure stability.		
		e. Ensure there are measures on fixed mount rigs to protect operatives from backblast hazards or breach explosions.		
2.	Range floor	a. Generally the range floor is separated from the firer beyond a viewing port or window. There is the possibility of lead and unburnt propellant building up in front of the firing point.		
		b. Check all down range equipment, fittings are protected from both direct fire and ricochet.		
3.	Range envelope	a. The walls and ceiling should prevent penetration of rounds and be constructed in such a way that there is no possibility of dust building up out of sight.		

		b. Where there is no isolated firing room there should be noise reduction measures and surfaces used in the range.		
		c. Ensure the use of the range is not causing structural damage to the envelope.		
4.	Ventilation	a. Check ventilation system is working at optimum level against performance specification for the unit.		
		b. Ensure all intakes and extracts are clear of obstructions and any ducting is not collecting dust within the duct.		
		c. Check extract filter is functioning correctly and is maintained for optimum performance in accordance with manufacturers recommendations.		
		d. Ensure extract filter emissions do not exceed local limits.		
5.	Bullet catcher.	a. Ensure manufactures maintenance and servicing instructions are being followed.		
		b. Check that lead disposal procedures are followed.		
6.	Associated	Normal works check.		

	buildings.			
7.	Safety signs	Check for compliance.		
8.	Generally	a. Confirm dust control measures including deep cleaning are effective.		
		b. Check any vacuums in the range are of the approved type.		
		c. Check all electrical power points / lights are safe.		
9	Other elements not listed.	Describe:		
10	General Comments by the works inspector.			

**Certification:**

**Range Name Location.....**

**Works inspection carried out on this range and MOD Form 906 completed**

**on:.....**

**Name of Inspector:.....**

**Contact Tel.....**

**Organisation:.....**

**Copy:**

**RAU for Range File**