

DRAFT QR & TRIAL DIRECTIVE OF DOOR BREACHING MUNITION

Ser No	Specification	QRS of door breaching munitions	Trail Directives
1.	Mission requirement	<ul style="list-style-type: none"> ➤ Close distance engagement ➤ Fast Operation ➤ No casualties to civilians ➤ No collateral structural damage 	OEM/ Firm to conduct field trail of above munitions to prove its efficiency in the presence of BOO
2.	Target that the weapon system should effectively penetrate	<ul style="list-style-type: none"> (a) Brick walls Min (36 cm) (b) Reinforced concrete walls Min (36 cm) (c) Sandbagged walls Min (130 cm) (d) Light armour plates (> 110 mm) (e) Min 5mm steel and 40 mm massive wooden plates door. 	OEM/ Firm to conduct field trail of above munitions to prove its efficiency in the presence of BOO.
3.	Breaching capability	At least 95% probability of breaching with two rds shot at target	To be physically checked by B.O.O
4.	Penetration	Minimum 5mm steel and minimum 40 mm wooden door at a range of min 25 mtrs from the tgt.	To be physically checked by B.O.O
5.	Sound level	Especially in enclosed space should be less than 25 DB in a distance at 50m	To be physically checked by B.O.O
6.	Ricochet risk	There should be no ricochet risk.	To be physically checked by B.O.O
7.	Shelf life	Munitions should have minimum 10 years shelf life.	Guarantee Certificate to be provided by OEM/Firm (Export credit Gurantee)
8.	Guarantee of munitions	Stored in unbroken original packing should be minimum 05 years	Guarantee Certificate to be provided by OEM/Firm(Export credit Guarantee)
9.	Operating and storage temperature range	Should be -30°- to +70 C° operating, 40 to +70C° storage and transportation	<ul style="list-style-type: none"> a) OEM/firm to provide a certificate from a laboratory accredited in terms of ISO/IEC/17025:2005 for the relevant service by an accreditation body which is either certificate by a National authority under Govt of India or a member international Laboratory accreditation cooperation. b) Certificate to be checked and verified by the BOO during TECT.
10.	Minimum effective range	Wall & door Minimum - 5 m	To be physically checked by B.O.O
11.	Firing Mechanism	<ul style="list-style-type: none"> a. Change lever position b. Position locking mechanism to ensure safety. c. Trigger operation d. Mechanism and applied safety mechanisms. 	To be physically checked by B.O.O

13	Splinter Effect	Munition should not have any Splinter effect to the firer as well as the pers inside the target room	BOO to fire the munition at range of 30 mtrs. Figure 11 target to be placed at a range of 10 mtrs from the target door /wall (Both inside and outside the room). Splinter effect on the targets should be zero
14.	Water Test	Munition should be able to fire effectively. Resulting in the desired effect getting drenched in water /rain	System / All munition to be dipped in water (depth 1 M for 10 mins Take out the munition shall off excess water.
15.	Safety	Should have inbuilt safety in terms of arming range	OEM to demonstrate and the same to be physically checked by the BOO.
16	Ergonomic features	Shoulder-fired, or riffle fired with service amn one-man-portable, recoilless, can be fired from confined space, rapid deployment, disposable	To be physically checked by B.O.O
17	Sighting System	(a) Munitions should have an integrated open/ iron sight. (b) Day and night sight should be provided with the subject munition. (c) Sight disposable like the primary munition. (d) Night sight should be provided for demonstration.	To be physically checked by B.O.O
18	Training aids	(a) Specification for the type of reusable equipment should be made available for training purpose, if applicable. (b) subcalibre equipment should be made available for training purpose, if applicable. (c) The physical and operational characteristics of sub calibre equipment should be made available, if applicable.	To be physically checked by B.O.O
19.	Carriage and Storage	(a) Details of storage boxes, packing provided along with the munition for prolonged storage be specified. Boxes to be provided should be waterproof (b) Details of carriage case/ packing provided for transportation should be specified and carriage case/ packing should be water proof. (c) The provision for individual carriage of the subject munition by a soldier in combat condition to be provided by the OEM/ Firm	To be physically checked by B.O.O
20.	Repair & Maintenance	Repair and maintenance should be provided by the OEM / Firm	Warranty / Guarantee should be given by the firm in written.