

DRAFT QRs OF 38 MM GAS GUN FOR NSG

1. **General.** Barrier penetrating Tear Gas Munitions are used in Hostile situations by NSG Task Forces. These munitions dispense tear gas within building/ room. The tear gas is contained in a projectile that is launched using Gas guns.

2. **User Requirement.**

- (a) The Gas gun launcher is used in intervention ops and must be capable of firing min NIJ Standard 0111.00 Type II munitions.
- (b) The Gas gun must have an aiming Aid to assist firer in accurately firing the munitions inside the target through windows/openings (capable of hitting inside a circle of diameter 0.5 m at 150 meter).
- (c) The Gas gun butt stock should be adequately cushioned to protect the user against impact from firing of munitions.
- (d) The gas Gun Must have a minimum achieved rate of fire of 6 rounds/minute and weapon must not exhibit heating to render it useless before firing of 6 munitions.
- (e) The rate of mechanical failure be very low and shear pin of the gun (to hit ignition mechanism for initiation of low explosive charge) must be fail safe.
- (f) Refer NIJ 0111.00 att as Annexure.

3. **Technical specifications.**

Ser No	Qualitative Requirements
(a)	General. Barrier penetrating Tear Gas Munitions are used in Hostile situations by NSG Task Forces. These munitions dispense tear gas within building/ room. The tear gas is contained in a projectile that is launched using Gas guns.
(b)	Caliber - 38 mm
(c)	Length - ≤ 750 mm
(d)	Height - ≤ 180 mm
(e)	Make - Suitable composite alloy
(f)	Loading of munitions - Top break
(g)	Capacity - Single round/ 6 Round Revolving chambers
(h)	Rifle - No (Smooth bore)
(j)	Butt - Foldable and cushioned
(k)	Fire type - Explosive
(l)	Firing system - Manuel/ Semi automatic
(m)	Accuracy - Be capable of hitting inside a circle of diameter 0.5 m at 150 meter using iron sight at least 12 of 24 rounds fired
(n)	Rate of Fire - 6 Rounds/ minute
(o)	Safety - Trigger Safety for preventing accidental discharge
(p)	Barrier Penetration - Minimum NIJ Standard 0111.00 Type II

DRAFT TRIAL DIRECTIVES FOR 38 MM GAS GUN FOR NSG

Ser No	Qualitative Requirements	Trial Directive	Compliance (Mention YES or NO)
1.	General. Barrier penetrating Tear Gas Munitions are used in Hostile situations by NSG Task Forces. These munitions dispense tear gas within building/ room. The tear gas is contained in a projectile that is launched using Gas guns.		
2.	Caliber : 38 mm	To be certified by Firm and Checked during field trials	
3.	Length: \leq 750 mm	To be certified by Firm and Checked during field trials	
4.	Height : \leq 180 mm	To be certified by Firm and Checked during field trials	
5.	Make: Suitable composite alloy	To be certified by Firm and Checked during field trials	
6.	Loading of munitions : Top break	To be checked by BOO	
7.	Capacity : single round/ 6 Round Revolving chambers	To be checked by BOO	
8.	Rifle : No (Smooth bore)	To be checked by BOO	
9.	Butt : Foldable and cushioned	To be checked by BOO	
10.	Fire type: Explosive	To be checked by BOO	
11.	Firing system : Manuel/ Semi automatic	To be checked by BOO	
12.	Accuracy : Be capable of hitting inside a circle of diameter 0.5 m at 150 meter using iron sight at least 12 of 24 rounds fired	To be checked by BOO	
13.	Rate of Fire : 6 Rounds/ minute	To be checked by BOO	
14.	Safety : Trigger Safety for preventing accidental discharge	To be checked by BOO	
15.	Barrier Penetration : Minimum NIJ Standard 0111.00 Type II	To be checked by BOO	