

**Technical Specification of Smoke Grenade**

S.N.	Technical Specifications of Smoke Grenade		Remarks
1	Use	<ul style="list-style-type: none"> <li>• Typically used for marking drop zones</li> <li>• Ground to air signalling</li> <li>• Land based emergency search and rescue operations</li> </ul>	
2	Applied Weapon	None	
3	Caliber	Max 48 mm	
4	length	≤ 110 mm	
5	Overall weight	Min 120 gm , max 135 gm	
6	Delay ignition time	1.5 to 3 sec	
7	Smoke Emission Duration	30 ± 10 sec	
8	Emission port	1 port	
9	Application Temperature	-30 <sup>0</sup> C to +45 <sup>0</sup> C	
10	Shelf Life	Min 5 years from the date of manufacture	
11	Structure	It should be composed of standard material case, colour smoke integrant column, delay ignition device and end seal cover	
12	Body material	Plastic or equivalent	
13	Way of Use	Throw by hand	
14	Package	plastic-aluminium bag and wooden box or equivalent	
15	Conditions for Storage	Temperature: 5 <sup>0</sup> C ~ 20 <sup>0</sup> C Humidity: 55% ~ 65%	
16	Date of Manufacture	The manufactured date should not be more than 6 months at the time of delivery	
17	Colour	Min. two colours (Green and Yellow)	
18	Units of measure	Set (2 Pcs per set- Green & Yellow)	

**Additional Requirements**

1. Test certificate of Grenade should be submitted with bid documents and at the time of delivery.
2. Packaging should be inside hermetically sealed containers capable to withstand extreme weather conditions.
3. Complete User's Instruction Manual should be submitted by the contractor.
4. The supplier must submit ISO or equivalent certificate of the manufacturer.
5. Catalogue/Brochures including 'UN Hazard Division' and 'Compatibility Group' should be submitted with bid documents.
6. Manufacturer Certificate should be provided at the time of delivery, the assurance to provide manufacturer's certificate should be submitted with the bid documents.