

## **MULTI MODE HAND GRENADE (MMHG)**

The Multi Mode Hand Grenade (MMHG) developed by TBRL has been designed with positive safeties and to get reliable performance. MMHG can be used in two modes - Offensive mode & Defensive mode. The two modes can be changed easily before throwing from one to another by removing/applying fragmenting sleeve. MMHG consists of two modules i.e. Fuze & Main Body. With the help of two modules it is very easy to prime & un-prime the Fuze & Main Body without sacrificing the efficiency.

### ***APPLICATION OF TWO MODES GRENADE:***

***Defensive Mode:*** This mode is used for defence when thrower is in shelter and enemy is in open field. This mode of MMHG is complete grenade with fragments. The lethality area is more in this mode as compared to offensive mode.

***Offensive Mode:*** This mode is used when thrower in attacking mode. This mode does not have fragments as fragmenting sleeve is removed in this mode. This is having only stunning effects.

### ***SALIENT FEATURE***

- Modular design
- Multi-Mode & Light weight
- Uniform fragmentation pattern with higher density
- Additional thrower safety (Safety Release Delay Mechanism)
- High Reliability and Shelf Life
- Maintenance free

### ***OPERATIONAL CHARACTERSTICS:***

- Convenient to handle and use.
- Safe for Para-dropping in primed condition.
- Additional Thrower safety through arming delay of minimum 0.5 second. The Fuze has functional delay of 3.5 to 4.5 seconds for detonation after release. (The ToT seeking industry has to develop pyro compositions and it's filling methodologies to meet the string requirements of Indian Army for Arming & Functioning of grenade).
- Operational & Storage Temperature Range is -20 to +55°C.
- Not affected by rain or humidity when exposed for short duration.

