



Multi Mode Hand Grenade

System Description

Economic Explosives Limited, a subsidiary of Solar Industries India Ltd., Nagpur, has successfully established production of Multi Mode Hand Grenade as per TOT obtained from TBRL (DRDO).

Multi Mode Hand Grenade as a replacement of the vintage Hand Grenade M 36, offers numerous advantages to the Soldier in terms of Safety, Dual Mode capability and Lethality.

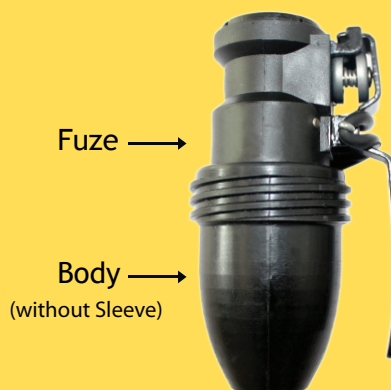
Multi Mode Hand Grenade offers the following advantages :

- Twin Delay Tubes provided to ensure High Reliability.
- Additional safety to the soldier through minimum 0.5 Sec Arming Delay.
- Battle field supremacy to the soldier with dual mode capability : 'Defensive Mode' & 'Offensive Mode' through quick change.
- 3800 numbers of fragments with uniform fragmentation pattern for higher Lethality.

Multi Mode Hand Grenade



Defensive Mode



Offensive Mode

Defensive Mode

In Defensive Mode, the Grenade is complete as it is assembled with its Fragmenting Sleeve. This mode is used while the soldier is in a shelter and the enemy is in the open. Lethal radius is achieved up to 8 m from the point of burst.

Offensive Mode

In Offensive Mode, the Grenade is without its Fragmenting Sleeve and is used for 'Low Intensity Conflict' as it offers stunning effect only. This mode is used while the soldier is in attacking mode. Lethal radius is achieved up to 5m from the point of burst.

Shelf Life

Minimum Fifteen (15) years from date of manufacturing under normal storage and packed condition.

Salient Features

- Modular Design
- Multi Mode concept :
 - Defensive Mode
 - Offensive Mode
- High Splinter Density
- Additional Safety to soldier through Arming delay
- Easy to prime and un-prime
- Light Weight
- Grenade can be primed & unprimed any number of times without affecting the functional efficiency

Operational Characteristics

- Delay Time 4 ± 0.5 Seconds
- Operational Temperatures -20°C to $+55^{\circ}\text{C}$
- Storage Temperature range is -20°C to $+55^{\circ}\text{C}$
- Uniform Fragmentation pattern
- High Lethality
- High Reliability ($> 95\%$)
- Safe for para dropping in primed condition
- Maintenance Free

Packing

- Twelve (12) Nos of each Fuse & Main Body in one H2A Box separately.
- Four (4) H2A Boxes in one carrier 6A

Technical Parameters	Mode of Operation	
	Defensive	Offensive
Weight	490 gm	260 gm
Length	139 mm	129 mm
Diameter	63 mm	46 mm
Maximum Range	35 metre	40 metre
Delay time	3.5 to 4.5 s	3.5 to 4.5 s
Charge	Comp. B	Comp. B
No. of Fragments	Approx 3800 Nos.	NIL
Lethal Radius	up to 8 metre	upto 5 metre



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