

INPUTS ON TECH SPECIFICATION: 40 mm LV HE AR-406 AMMUNITION

Sr. No.	Parameters	Details
(a)	Caliber.	40 mm
(b)	Max Range	Mean Range 400m.(Average of group of rounds)
(c)	Functioning Temp	The Temp ranges be stipulated as per IHQ M o D DG MO (MO 9) letter No A/90220/MO 9 dated 11 Sep 2012.
(d)	Radius of Defeat	Not less than 7 m.
(e)	Muzzle Velocity	(a) Average Velocity should be 76 ± 3 m/s and Velocity Std Deviation should not be more than 1.4m/s. (b) The values of Average Muzzle Velocity are based on past procurement. The same may vary from vendor to vendor and considered acceptable if end use parameters / safety parameters are met.
	Fuze Type	SQ Action Nose Fuze with SD Mechanism
(g)	Arming Distance	10 to 40 m
(h)	SD Time	14 to 19 sec
(j)	Dispersion/ Accuracy	To be specified by the User
(k)	Reliability	To be specified by the User
(l)	Compatibility	The amn should be capable of being fired from 40mm UBGL (GP-25) in Service Weapon. The Compatibility of amn with other 40mm Grenade Launcher if any should also be confirmed by OEM.
(m)	Shelf Life.	(i) The supplier shall stipulate that Shelf Life of the amn is not less than 10 years from the date of manufacture under the storage condition as mentioned below :- (aa) Min .Temp. of Storage : - 50°C. (ab) Max. Temp. of Storage : +70°C. (ac) Max. Relative Humidity : 95 %. (ad) Avg. Relative Humidity : 65 %. (ae) Mean value of year's Temperature: Not > 32°C (ii) The supplier should provide details of Shelf life assessment done at their end/basis for shelf life assessment including details of chemical composition. The OEM should give the methodology alongwith the procedure for extension of shelf life, once the shelf life has expired. <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: 20px;"> Final Decision should be of User/Procurement agency </div>
(n)	Packing and Marking	(a) Suitable packing arrangements should be provided for transportation & storage w/o causing damage to amn. The amn should be packed in hermetically sealed container. These containers should be further packed in outer boxes/containers for ease of transportation. The pkg marking should be legible giving all relevant details of amn (b) The details of marking may be specified by the User. (c) The User may specify the weight of each packing box. (d) Requirement of Para Drop if required may be specified by the User.
(p)	Other Points	User may consider adding following / any other operational parameter:- (a) Operational Temperature Range of amn. (b) No of Fragments & Fragment Mass (c) To ensure safety of own troops during operation, minimum and maximum Range of individual round needs to be specified.