

# 3<sup>RD</sup> GENERATION MISSILE FOR 125MM GUN BARRELS OF T-72 AND T-90 TANKS

1. **Name of Project.** 3<sup>rd</sup> Generation Missile for 125mm Barrel in T-72 & T-90 Tanks.

2. **Brief.** As the design of the existing INVAR missile has been optimized both in terms of range & Depth of Penetration (DoP), it is imperative to upgrade to a next generation missile with enhanced capability. The envisaged 3<sup>rd</sup> Generation gun launched missile should achieve a Depth of Penetration (DoP) of 800-850mm and be capability of Beyond Line of Sight (BLOS) and Non-Line of Sight (NLOS) engagement of upto 8 Km by day & night with the ability to carry out pre-flight programmed mvre towards a BLOS/NLOS tgts. The msl should comprise of two parts; a missile alongwith booster & sustainer charge and the second part should only be a pusher/propelling device which can be loaded in the carousel auto loader of T-90 S/T-72 Tank.

3. **QRs.**

<b><u>Ser No</u></b>	<b><u>Parameter</u></b>	<b><u>Capability</u></b>
(a)	Capability of being fired from existing gun barrel	125mm Smooth Bore (SB)
(b)	Capable of engaging static and mobile tank target (moving with speeds upto 20Kmph)	By both day and night.
(c)	Maximum effective range	5 Km.
(d)	Minimum range	≤ 500m.
(e)	HEAT Tandem Warhead with Penetration	≥600mm of RHA beyond ERA.
(f)	Shelf Life under controlled conditions	10 yrs
(g)	Shelf Life under field conditions	5 yrs
(h)	Hit probability on a standard NATO tank target (2.5 x 2.3 m)	≥90% or above

4. **Timelines.** Tentative time lines for indn 2020-21.

5. **Cost.** Rough Indicative Cost - Rs 40 Lacs.

6. **Qty.** Tentative quantity to be procure after successful prototype devp - 3000 missiles annually.

7. **Categorisation.** The recommended categorisation – Make -I.