**TERMINALLY GUIDED MUNITION (TGM)**

1. **Op Necessity**. Indian Arty is reorganizing for the future with 155mm Med Gun Sys as the mainstay with enhanced rgs. To match this there is a need felt to optimize the use of amn with precision strikes and greater lethality with min collateral damage. Hence, the TGM is an appropriate smart amn of the future which will meet reqmts of the Indian Arty in terms of accuracy, FSE, improved kill probability and reduced lgs.

2. **Broad Tech Specification**.

 (a) **Calibre**. Compatible with all 155mm guns.

 (b) **Max Rg**. >20 Km

 (c) **MinRg**. <8km

 (d) **Guidance Control**. The projectile should have a seeker to enable it to be linked onto the reflected / emitted energy of the target which has been illuminated by an external laser designator.

 (e) **Hit Probability**.

 (i) In Plains - > 80%.

 (ii) In Mountains (2000 meter above sea level) - > 60%.

 (f) **Duration of Illumination**. The TGM should be capable of homing onto the target within 10 seconds of anticipated fall of shot.

 (g) **ECCM**. It should have inbuilt ECCM capabilities (to be certified by vendor).

 (h) **Safety**. Projectile be able to withstand firing stresses both inside the bore and during the flight.

(j) **Ease of Handling**. Able to be fitted by gun crew under fd conditions on 155mm projectiles.

(k) **Environmental Reqmt**. Should be able to perform in all trn, climatic conditions and temp ranging from -150 C to +450C.

3. **Quantity**.

(a) Initial Quantity required is 33372rds to incl first and second line of all Med Arty units.

(b) Addlqty will be reqd annually as per trgnorms and other reqmts.

4. **Broad Time Lines**. To be determined post interaction with vendors.