BRIEF

SUO MOTO PROPOSAL BY ELCOMPONICS AEROB TECHNOLOGIES INDIA

PVT LTD : DRONE KILL SYSTEM

1. **Name of Proposal**. Drone Kill System by M/s Elcomponics Aerob Technologies India Pvt Ltd.

2. **User Directorate**. Army Air Defence Directorate (AAD-9).

3. **Estimated Quantity**. 56.

4. **Estimated Cost**. Rs 10.4 Cr (Rs 40.00 Lakhs per System).

5. **Proposal**

(a) The aerial threat has evolved over a period of time with multifaceted threat being faced from drones / Unmanned Aerial Systems(UAS) which are not only small sized but can also be effectively employed individually or in swarm to destroy the intended target/asset. Threat manifests increasing these days and therefore there is a requirement to develop hardkill systems which will be employed to effectively neutralize this dimension of emerging aerial threat.

(b) Drone Kill System proposed by the vendor comprises of radar for detecting the drones / UAS, fully autonomous quadcopter (Drone Bullet) to physically defeat the aerial threat by impact and a Ground Control System (GCS) to control the drone bullet.

(c) The Drone Kill System will utilize the latest advancement in counter UAS technology with regards to flight control which can effectively neutralize the hostile drone / UAS. The hardkill system will have to be user friendly and should have the capability to be rapidly deployed.

6. **Technical Parameters**. Technical parameters informed by the vendor is as given:-

(a) Range. 3 km.

(b) Max Altitude. 3 km.

(c) Takeoff Weight. 910 gm.

(d) Max Flight Time. 10 min.

(e) Camera Sensor. Day/Night capability.

(f) Dimensions (LxWxH). 160mm x 160mm x 269mm.

(g) Max Speed. (i) Direct / Ascent attacks 150K/h- 200K/h.

 (ii) Dive attack upto 350K/h.

7. **Indigenous Content**. > 40%.