BRIEF

 ‘HORNBILL’ FIXED WING TGT SYS

1. **Name of Proposal**. Hornbill Fixed Wing Tgt Sys by M/s Elcomponics Aerob Technologies India Pvt Ltd.

2. **User Directorate**. Army Air Defence Directorate (AAD-12).

3. **Estimated Quantity**. 100.

4. **Estimated Cost**. Rs 15.00 Crores (Rs 15.00 Lakhs per unit).

5. **Op Justification of Proposal (Including Quantity being Sought)**.

(a) Target systems ranging from simple ‘aero models’ to Advanced Pilotless Target System (APTA) have been exploited towards trg of AD pers on various weapon platforms (gun/msl/rdr). There is a continuous reqmt at the unit level to impart basic trg to rdr, msl and gun oprs/firers. This reqmt is met presently by exploiting aeromodels 7.5 cc onwards (combustion engine based).

(b) Common factors while exploiting aero models are firstly the reqmt of substantial effort towards trg of oprs flying these tgt sys (aero models) and secondly the inescapable need of Take off/ Landing strips during fd firing or unit level trg of crew/det.

(c) The proposed sys utilizes electric motors with Li-Po batteries and has VTOL capb. This is likely to reduce the reqmt of Take off/Landing area. Further, the system may be user friendly in terms of its op thus reducing the trg man-hours and overall cost incurred for trg of oprs on these tgt sys/drones.

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

(a) Material. Fiberglass Reinforced Plastic(FRP).

(b) Wing Span. 3 m.

(c) Length. 1.8 m.

(d) Weight. 8.2 kg.

(e) Battery Pack. 22000 mAh.

(f) Sys Life. 500 landings.

(g) Speed. 70 km/hr.

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

8. **Additional Information (If any)**. Presently the Army AD is auth 161 Aeromodels however, these are outdated tgt sys. Further this corps does not hold aeromodel tgt drone Sys with VTOL/Catapult launch capb.