

**STATEMENT OF CASE FOR RPAS FULL MISSION SIMULATOR FOR
HERON AND SEARCHER MK II**

1. **Name of Proposal.** RPAS Full Mission Simulator for Heron & Searcher Mk II.
2. **Brief.** Indian Army has been using HALE UAVs (HERON & SEARCHER MK II) for over two decades. However, no smls for trg are held and op equipment is being utilized for trg. With limited op resources available and with numerous constraints it is not possible to plan and conduct sustained and quality training to train the UAV crews. A UAV simulator is, therefore, an inescapable requirement.
3. Revised MAKE II Procedure, recently promulgated by MoD enables Suo Moto proposals by pvt industry. One such proposal recd from M/s Zen Technologies Ltd has been examined and found prime facie acceptable. It is proposed that the proposals be considered for a UAV simulator under Revised MAKE II Procedure of DPP-2016.
4. **Broad Specifications as given by M/s Zen Technologies Ltd.**
 - (a) Simulator would enable a full task oriented training of external pilots, Internal pilots, Mission Commanders, Observers/ Special payload Operators and image interpreters.
 - (b) Simulator should operate on a common visual database so that all operators in the chain are simultaneously working to execute an UAV mission as one team. Modular design of the simulator should also allow all the individuals to get trained independently.
 - (c) Comprehensive, high fidelity instructor station from where the instructor can plan and control missions that fulfill operational tasks and handle emergencies.
 - (d) Simulator should employ State-of-the-art hardware systems, display systems and simulation techniques.
 - (e) Simulator should have exact replica of Flight Control Box, Ground Control Station (GCS) and Ground Exploitation Station (GES) along with their applications to provide realistic and holistic training to all operators of UAV mission.
 - (f) Training of every individual operator on a completely independent mission.
 - (g) Integrated crew level training with a single mission.
 - (h) Multiple group level training on different missions.
5. **Quantity.** Cost of one simulator is quoted as Rs 35,00,00,000 (Thirty Five Crores), with the condition that cost would come down, if simulators are procured in large numbers.
6. **Time Lines.** To be finalized in accordance with provisions of DPP 2016 (Chapter-III and Chapter IIIA).