



## INDIAN AIR FORCE

### BRIEF AND QUESTIONNAIRE ON MAKE PROJECT

1. **Proposal** It is proposed to design, develop and manufacture a “Full Motion Simulator for Apache Helicopters” through indigenous private industry in India following the Make II provision of Chapter III of DAP 2020.

2. **Operational Necessity.** Training and currency of crew is an important aspect for operational flying. A simulator provides realistic training on scenarios which may not be feasible under actual flying helicopters. It also helps in saving of actual flying hours.

3. **Guidance on Broad Requirements.**

*(The below mentioned are only broad guidance elements. Precise product requirements will be finalised based on interaction with industry during feasibility study)*

(a) A Full Motion Level D Simulator for realistic training of crew on Apache Helicopter.

(b) The simulator should make it possible to practice a plethora of scenarios which are not possible to be practiced on the actual aircraft. These include handling the helicopters in varied op scenarios, using weapons, terrain, weather and emergency conditions etc.

4. **Broad Timelines.** The simulator development is expected to be completed within one year after issue of Project Sanction Order (PSO). Other estimated timelines are as follow:-

(a)	Time period for response from industry	<b>Six weeks</b> (may extend)
(b)	Interaction with vendors and feasibility study	Eight weeks
(c)	If project found feasible, internal approvals and issue of EoI	Eight weeks (may extend)

5. **Quantity.** It is proposed to procure one full motion simulator for the apache helicopters on Build, Operate and Maintain basis.

6. **Sponsor Dte.** The contact details of sponsor dte is as follows. The sponsor dte may be contacted between 0930h to 1700h on all working days (Mon to Fri) for any additional information.

D Ops T&H  
Room No. 551, Air HQ (Vayu Bhawan)  
New Delhi - 110106  
Tele No. (011) 23014845



7. **Format of Response.** Indian vendors (term to include, public limited company, private limited company, partnership firms, limited liability partnership, one person company, sole proprietorship registered as per applicable Indian laws) desirous of participating in the case may submit their proposal along with duly completed questionnaire (as per format placed at **Appendix A**) through letter, fax or email to:-

Make PMU (IAF)  
Room No 490 (E),  
Air HQ (Vayu Bhavan)  
New Delhi – 110106  
Telefax: (011) 23013225  
Email: [makeind.iaf@gov.in](mailto:makeind.iaf@gov.in)

CF No. Air HQ/S 59101/24/ACQT(MAKE) BM-I dated 11 March 2022



### **GENERAL ASPECTS**

1. Whether the company/Association of Persons (AoP) is eligible as per provisions of DAP 2020 (Eligibility of Participation: Indian vendors only).
2. Vendor to provide an assessment of its capability (Financial and Technical)? Provide necessary documentation for verification.
3. Vendor is to propose feasibility & requirements for Build, Operate & Maintain (BOM) model for simulator usage.
4. Indicate how much Indigenous Content (IC) can be ensured? (Minimum requirement of MoD is 50%).
5. Does the vendor envisage feasibility of achieving future exports?
6. Please indicate if the proposal would be eligible for Make-II subcategory of Chapter III of DAP 2020?
7. Whether R&D or ToT through foreign collaboration is proposed by the vendor? (Provide indicative information)
8. Estimated cost of development.
9. Estimated tentative time period for completion of development.
10. Rough Order of Magnitude (ROM) Cost of equipment for manufacture in India. Indicate Minimum Order Quantities (MOQ), if applicable.
11. Please indicate plan/status for certification of the equipment.
12. Please provide other relevant and applicable technical details. Indicative of information on weight, parts etc.