QUESTIONNAIRE ON MAKE PROJECT NO. IAF/07/16-17
MEDIUM ALTITUDE LONG ENDURANCE (MALE)
UNMANNED AERIAL VEHICLES (UAVS)

General Aspects

1. Whether the company/Association of Persons (AoP) is eligible as per provisions of DPP 2016? (Eligibility of Participation: Indian vendors only).

2. Whether the vendor can provide an assessment of its capability (Financial and Technical)? If so provide the necessary documentation for verification.

3. Whether 40% Indigenous Composition (IC) can be ensured?

4. Does the vendor envisage the feasibility of achieving future exports?

5. Whether the vendor's proposal would be eligible for Make-I or Make-II subcategory of Chapter III of DPP 2016?

6. Whether R&D or ToT through foreign collaboration is proposed by the vendor?

7. Estimated cost of development in case indigenous R&D is proposed.

8. Estimated tentative time period of completion of R&D or ToT.

9. Rough Order of Magnitude (ROM) Cost of MALE UAVs manufactured in India as follows:-
   a. Cost of 100UAVs / 50 GCS / 100 Payloads
   b. Cost of 125 UAVs / 60 GCS / 125 Payloads
   c. Cost of 150 UAVs / 75 GCS / 150 Payloads

Technical Aspects

10. What is the maximum elevation at which the UAV can be started-up?

11. In case of engine failure in flight, is a mid-air relight of the engine possible? If yes, then what is the maximum altitude in flight at which a relight can be attempted?

12. Does the UAV have 'Return Home' (RH) mode of operation in case of loss of link and can it land back in RH mode even without an uplink?

13. What is the turnaround time between two flights?

14. Is the Navigation and co-ordinate fixing based on the WGS-84 geoid system?

15. Does the flight control system of the UAV enable the following functions to meet mission requirements: -

(a) Manual mode of flight/Knob Mode.

(b) Way point navigation (autonomous).

(c) Programmed flights.

(d) Point to target.

16. What is the minimum runway length required for Take-off and landing at maximum All Up Weight?

17. What is the average fuel consumption, endurance and type of fuel for the UAV?

18. What is the expected noise level (in Decibels) at ground level when the UAV is flying at 1000 ft above the ground?

19. Does the payload have foliage penetration capability? If yes, please furnish details.

20. What is the maximum duration of operation on battery in case of Gene failure?

21. What are the weather limitation for the UAV and the ground station?

22. Is the datalink secure and be resistant to jamming?

23. Does the UAV have a de-icing system? If yes, please furnish details.

24. Does the UAV have a lightning protection system? If yes, please furnish details.

Details of Project Officer
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