

QUESTIONNAIRE ON MAKE PROJECT NO. IAF/05/16-17
AIR COMBAT MANOEUVRING INSTRUMENTATION (ACMI)

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-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. Whether the vendor has any past experience in the field of ACMI manufacturing? If yes, provide details.
10. Whether the vendor has any past association with R&D/ Aviation industry (Pvt/PSUs) for manufacturing of aviation components? If yes, provide details.
11. Please mention Rough Order of Magnitude (ROM) cost, for the procurement of:–
 - (a) Up to 165 Pods/Systems
 - (b) Greater than 165 pods

Technical Details

12. The equipment intended for development is as under :-

Qty 165 ACMI pods with backward compatibility with the existing ACMI Pods and capable of being providing the same/ better functionality than the existing pods.
13. Please mention estimated Total Technical Life (TTL), for ACMI Systems, in terms of Calendar Period and Operating Hours.

14. The visibility of the source of components should be possible from the vendor as and when sought. This is to safeguard against embedded malware, if any.
15. The design of the pod/housing container that can operate within full flight envelope of the aircraft without significant drag penalty may be specified in brief.
16. It may be specified whether the pod may be adaptable without any restrictions on flight Envelope/external carriage to all fighter aircraft of the IAF with or without the avionics bus (Mil-1553/Digibus class).
17. The design of the pod needs to be compatible with both Western and Russian origin aircraft.
18. The means of the fixing the aircraft position (GPS, INS, etc.) may be specified.
19. The design and protocols of data link between platforms and the tracking stations to be specified.
20. The means of debriefing stations for specific number of pods may be enumerated.
21. The weapon delivery features need to be presented.
22. The system design should cater for simulation of Surface to Air engagements. The design should take into account the environment of threat location and terrain, manoeuvring of the aircraft in real time.

Details of Project Officer

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Vendors' Response expected by: 31 July 2017
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